



AMITY INSTITUTE OF APPLIED SCIENCE

Research Publications					
#	Name of the Department	Name of Author/s	Title of paper	Name of Journal	Year
1	Chemistry	Dr. Kumar Rakesh Ranjan	Theoretical insight to explore Ti ₃ C ₂ @ZnO composites towards sensing of isoprene for diagnosis of lung cancer	Next Research	2026
2	Chemistry	Dr. Kumar Rakesh Ranjan	Revolutionizing nitrogen and carbon dioxide fixation through advanced electrocatalytic strategies	Sustainable Materials and Technologies	2026
3	Chemistry	Suman Majumder	Domain Growth and Aging in a Phase Separating Binary Fluid Confined Inside a Nanopore	Soft Matter	2026
4	Chemistry	Dr Christine Jeyaseelan	Harnessing Wheat Germplasm Diversity for Enhanced Nutritional Quality: A Multivariate Exploration	Cereal Chemistry	2026
5	Chemistry	Prof. Sunita Rattan	Low energy ion beam induced grafting and crosslinking of IRMOF-3 into guar gum–chitosan hydrogel films for transdermal drug delivery systems	Journal of Radioanalytical and Nuclear Chemistry	2026
6	Chemistry	Onkar S. Nayal	Incorporation of CO ₂ into C(sp ³) Centres: Base-Driven Carboxylation of Benzylic Boronic Esters	ChemistrySelect	2026
7	Chemistry	Tanuja Kistwal	Light-induced quantum friction of carbon nanotubes in water	Nature	2026
8	Chemistry	Dr. Pravin Kumari Dwivedi	Electrochemical technologies for critical raw materials recovery and circular integration	Current Opinion in Chemical Engineering	2026
9	Chemistry	Dr. Sheenam Thatai	Biosynthesis of Copper-Embedded Silica Nanocomposites for Enhanced	Recent Advancements in Semiconductor Technologies Conference Proceedings	2026
10	Chemistry	Okar S. Nayal	CO ₂ -Derived Urethane Toughened Epoxy Networks from Amino Acids and Amines under Catalyst-Free Aqueous Conditions	SSRN	2026
11	Chemistry	Sheenam Thatai	Photocatalytic degradation of methylene red dye using biosynthesized silica coated semiconductor photocatalyst	Next Research	2026

12	Chemistry	Dr. Kumar Rakesh Ranjan	Photocatalytic degradation of methylene red dye using biosynthesized silica coated semiconductor photocatalyst	Next Research	2026
13	Chemistry	Dr. Kumar Rakesh Ranjan	Photocatalytic degradation of methylene red dye using biosynthesized silica coated semiconductor photocatalyst	Next Research	2026
14	Mathematics	Dr. Pratibha Joshi	An efficient meshless technique for 2-D hyperbolic convection-diffusion problem	Applied Numerical Mathematics	2026
15	Mathematics	Dr.Kuldeep Chaudhary	Integrating adoption efficiency and repeat purchase in innovation diffusion modeling	Communications in Statistics: Case Studies, Data Analysis and Applications	2026
16	Mathematics	Dr.Kuldeep Chaudhary	A generalized Vidale–Wolfe model on existing and new customers advertising strategy in a segmented market	Results in Control and Optimization	2026
17	Mathematics	Dr.Rupakshi Mishra Pandey	A mathematical analysis of a non-linear smoking model via fractional operators	Computational Methods for Differential Equations	2026
18	Mathematics	Dr. Surbhi Gupta	A generalized Vidale–Wolfe model on existing and new customers advertising strategy in a segmented market	Results in Control and Optimization	2026
19	Mathematics	Dr. Surbhi Gupta	A New Approximate Analytical Method and its Convergence for Fuzzy Time-Fractional Advection-Diffusion Equations	International Journal of Mathematical, Engineering and Management Sciences	2026
20	Mathematics	Riju Chaudhary	AI-driven demand forecasting for sustainable inventory model in fuzzy environment	Sustainable features	2026
21	Mathematics	Dr. Vanita Garg	Comparative study of JAYA algorithm with efficient mutation strategies for solving continuous optimization problems	Journal of Computational and Applied Mathematics	2026
22	Mathematics	Dr Rashmi Singh	Integrating Fuzzy Graph Theory into Cryptography: A Survey of Techniques and Security Applications	New Mathematics and Natural Computation	2026
23	Mathematics	Dr Rashmi Singh	Quantum Computing in Healthcare: Exploring Mathematical Aspects, Algorithms and Applications	Archives of Computational Methods in Engineering	2026
24	Mathematics	Dr. Divya Agarwal	A three-echelon sustainable supply chain model for growing items with climate effects, carbon emissions, and delayed payments	Operational Research	2026
25	Mathematics	Dr. Sunil Hans	Some compact generalizations of Bernstein-type inequalities preserved by modified Smirnov operator	Complex Analysis and its Synergies	2026

26	Mathematics	Dr. Kuldeep Chaudhary	Dynamic Analysis and Optimal Control of a Multi-stage Innovation Diffusion Model Incorporating Time Delay in Awareness and Adoption Process	International Journal of Mathematical, Engineering and Management Sciences	2026
27	Mathematics	Dr. Kuldeep Chaudhary	Modeling Innovation Diffusion Under Multiplicative Noise Using Stochastic Differential Equations	Applied Stochastic Models in Business and Industry	2026
28	Mathematics	Dr Surbhi Gupta	Predictive Reliability Assessment and Profit Optimization of an Ice Cream Plant Using an Artificial Neural Network Technique	Baghdad Science Journal	2026
29	Physics	Dr. Ravi Kant choubey	UV photodetector characteristics of drop-cast Ni-doped ZnO/p-Si heterojunctions	Journal of Alloys and Compounds	2026
30	Physics	Dr. Ravi Kant choubey	Metal oxide semiconductors for gas sensors: A comprehensive review of materials, mechanisms, and performance	Materials Science in Semiconductor Processing	2026
31	Physics	Dr. Gautam Singh	Tunable apparent memory effect in CdS QDs doped nematic liquid crystal composites	Journal of Molecular Liquids	2026
32	Physics	Dr. Gautam Singh	Impact of cell thickness on the induced vertical alignment, dielectric and electrical conductivity of carbon dots doped nematic liquid crystal composite	Colloids and Surfaces A: Physicochemical and Engineering Aspects	2026
33	Physics	Dr. Gautam Singh	Tunable optical, dielectric, electrical and electro-optical features of green ZnO nanoparticles doped nematic liquid crystal composites	Applied Physics A	2026
34	Physics	Dr Jyoti Katyal	Silver Dominance, gold Balance, and TiN robustness: engineering nano cube monomers and dimers for tunable LSPR and field enhancement	Applied Physics A	2026
35	Physics	Dr Jyoti Katyal	Bi-metallic transition metal nitrides-based gainassisted nanomaterials for lasing and switching	Journal of Modern Optics	2026
36	Physics	Dr Shivani	Near Perfect Teleportation of Bipartite Entangled Coherent States	Nonlinear Optics quantum Optics	2026
37	Physics	Dr. Rohit Verma	A comparative study of vaginal doses in intracavitary and template-based interstitial brachytherapy in cancer of cervix patients	Journal of Radiotherapy in Practice	2026
38	Physics	Dr. Rohit Verma	Dosimetric comparison of sequential boost versus simultaneous integrated boost intensity-modulated delivery techniques in left-sided breast cancer radiotherapy: A planning study	Journal of Medical Physics	2026

39	Physics	Dr. Rama Shankar Pandey	Electrostatic ion-cyclotron higher harmonic instability with latitudinal variation of magnetic field & inhomogeneous electric field in Jupiter's magnetosphere	Icarus	2026
40	Physics	Dr. Rama Shankar Pandey	Parallel flow velocity shear Kelvin-Helmholtz instability with latitude variation of magnetic field and inhomogeneous DC electric field in Jovian magnetosphere	Advances in Space Research	2026
41	Physics	Dr. Ravi Kant choubey	Fabrication and performance analysis of Ag/Cu:ZnS/p-Si/Ag heterojunction UV photodetector	Materials Chemistry and Physics	2026
42	Physics	Dr. Pramila Shukla	First-principles-based investigation of half-metallicity in new half-Heusler alloys HfYAs (Y = Fe, Mn)	Philosophical Magazine, Part A: Structural and Mechanical Properties of Materials	2026
43	Physics	Dr Satyendra Pratap Singh	Green fabrication of Cr-doped CeO ₂ nanoparticles and their structural, optical and photocatalytic performance toward methylene blue degradation	Polyhedron	2026
44	Physics	Dr. Gautam Singh	Methanol-detection by acrylate-based composite polymer film actuation	Optical Materials	2026
45	Physics	Dr. Gautam Singh	Tunable dielectric and electrical conductivity of all-inorganic CsPbBr ₃ perovskite quantum dots doped nematic liquid crystal composites	The European Physical Journal Special Topics	2026
46	Physics	Dr. Gautam Singh	Core/shell nanocrystals tailored optical, dielectric, and electrical properties of a nematic liquid crystal	Journal of Molecular Liquids	2026
47	Physics	Dr. Harsh Vardhan	CoFeB below crystallization temperature: Pivotal role of thickness and annealing temperature on the evolution of magnetic properties	Vacuum	2026
48	Physics	Dr Bibhuti Parida	Measurements of the inclusive W and Z boson production cross sections and their ratios in proton-proton collisions at 13.6 TeV	JHEP	2026
49	Physics	Dr Bibhuti Parida	Search for nonresonant new physics signals in high-mass dilepton events produced in association with b-tagged jets in proton-proton collisions at 13 TeV	JHEP	2026
50	Physics	Dr Bibhuti Parida	Measurement of D ⁰ Meson Photoproduction in Ultraperipheral Heavy Ion Collisions	Phys.Rev.Lett.	2026

51	Physics	Dr Bibhuti Parida	Combined effective field theory interpretation of Higgs boson, electroweak vector boson, top quark, and multijet measurements	Eur.Phys.J.C	2026
52	Physics	Dr Bibhuti Parida	High-precision measurement of the W boson mass with the CMS experiment	Nature	2026
53	Physics	Dr Bibhuti Parida	Combination and interpretation of differential Higgs boson production cross sections in proton-proton collisions at 13 TeV	JHEP	2026
54	Physics	Dr Bibhuti Parida	Search for light pseudoscalar boson pairs produced from Higgs boson decays using the 4τ and $2\mu 2\tau$ final states in proton-proton collisions at 13 TeV	JHEP	2026
55	Physics	Dr Bibhuti Parida	Jet fragmentation function and groomed substructure of bottom quark jets in proton-proton collisions at 5.02 TeV	JHEP	2026
56	Physics	Dr. Rama Shankar Pandey	Whistler-mode waves with latitudinal variation drive by loss-cone beams and a parallel DC electric field in Jupiter's magnetosphere	Astrophysics and Space Science	2026
57	Physics	Dr Surbhi	Mn-doped ZnS thin film heterojunctions for fast and broad range visible-UV photodetection	Physica B: Condensed Matter	2026
58	Physics	Dr. C. Konar	RAD@home discovery of a bow-and-arrow radio galaxy tracing a ~ 560 kpc bow-shock structure in a multihalo environment.	Monthly Notices of the Royal Astronomical Society	2026
59	Physics	Dr Sanjeev K Srivastava	High-Q and Low-Detection-Limit One-Dimensional Photonic Crystal Sensor for Edible Oil Adulteration	Journal of Computational Electronics	2026
60	Physics	Dr Shivani	Linear-optical teleportation of bipartite entangled coherent states via maximally entangled coherent channels	Modern Physics Letters A	2026
61	Physics	Dr Bibhuti Parida	First evidence for mixing-induced CP violation in $B^0 \rightarrow J/\psi \phi(1020)$ decays in pp collisions at $\sqrt{s} = 13$ TeV	Phys.Rev.Lett.	2026
62	Physics	Dr Bibhuti Parida	Search for the nonresonant and resonant production of a Higgs boson in association with an additional scalar boson in the $\gamma\gamma\tau\tau$ final state in proton-proton collisions at $\sqrt{s} = 13$ TeV	JHEP	2026

63	Physics	Dr Bibhuti Parida	Measurement of the dineutrino system kinematic variables in dileptonic top quark pair production in proton-proton collisions at $\sqrt{s} = 13$ TeV	JHEP	2026
64	Physics	Dr Bibhuti Parida	Exploring small-angle emissions in charm quark jets in proton-proton collisions at $\sqrt{s} = 5.02$ TeV	JHEP	2026
65	Physics	Dr Bibhuti Parida	Search for dark matter production in association with bottom quarks and a lepton pair in proton-proton collisions at $\sqrt{s} = 13$ TeV	JHEP	2026
66	Physics	Dr Bibhuti Parida	Measurement of the ratio of the $B_c^+ \rightarrow J/\psi \tau^+ \nu_\tau$ and $B_c^+ \rightarrow J/\psi \mu^+ \nu_\mu$ branching fractions using three-prong τ lepton decays	Phys.Rev.D	2026
67	Statistics	Dr. Bavita Singh	A Ranked Set Generalized Procedure for Computing Mean Using Searls Technique: Applications to Real Data	Proceedings of the National Academy of Sciences, India Section A: Physical Science	2026
68	Chemistry	Atanu Panda	Diatom derived hollow 3D Frame as a synergetic support for millerite nanoparticles: A unique hydrogen evolution electrocatalyst and its mechanistic insights	Chemical Engineering Journal	2025
69	Chemistry	Dr. Mousumi Sen	A Sustainable Green Approach towards the Production of High Purity Alumina from Waste Aluminium Dross	Res. J. Chem. Environ.	2025
70	Chemistry	Nirmal Kumar Katiyar	Air plasma sprayed multi-material composite coatings for enhanced light absorption and thermal emission	Surface and Coating technology	2025
71	Chemistry	Dr. Aditi Sangal	Anti-Inflammatory Activity of Some Characteristic Constituents of Spatholobus littoralis Root Wood Extract: In Vitro and In Silico Studies	Tropical Journal of Natural Product Research	2025
72	Chemistry	Dr. Maumita Das Mukherjee	Aptasensors: Cutting-edge Technologies for Bisphenol A Detection as an Endocrine Disruptor	Journal of The Electrochemical Society	2025
73	Chemistry	Nirmal Kumar Katiyar	Bendable Substrates of Cellulose Nanocrystals for Triboelectric Nanogenerators	ACS Applied Nano Mater	2025
74	Chemistry	Kiran Bajaj	Cationic lipid-polymer hybrid carrier for delivery of miRNA and peptides	Biomaterials Advances	2025

75	Chemistry	Dr. Charles Beromeo Bheeter	CuO/rGO Catalyzed Direct Oxidation of Benzylic sp ³ C-H bonds with Molecular Oxygen	ACS Sustainable Chemistry and Engineering	2025
76	Chemistry	Dr. Aditi Sangal	Cytotoxic effect of Spatholobus littoralis extract on breast cancer cells by in vitro and prediction of the mechanism of activity against estrogen receptors (ER- α and ER- β) by in silico	Journal of HerbMed Pharmacology	2025
77	Chemistry	Sangeeta Tiwari	Design of mixed metal oxide nanostructured superhydrophilic surfaces with self-cleaning properties	Journal of Coatings Technology and Research	2025
78	Chemistry	Dr. Aditi Sangal	Design, Synthesis, and Anticandidiasis Assessment of New Fluorine Containing Pyrimidines	ChemistrySelect	2025
79	Chemistry	Kumar Rakesh Ranjan	Development and characterization of novel Schiff base-thiazole derivatives: Exploring antimicrobial activity through spectroscopic analysis, DFT calculations, and molecular docking studies	Journal of Molecular Structure	2025
80	Chemistry	Prof.Sunita Rattan	Development of EPDM-based polymer nanocomposite barrier coating for radioactive waste storage containers	Journal of Coatings Technology and Research	2025
81	Chemistry	Dr. Manoj Raula	Effect of Ni Metals on the [PTiW11O40]5- POM-Stabilized Self-Doped TiO ₂ NPs toward Visible Light-Induced Hydrogen Evolution Reactions	ACS Applied Energy Materials	2025
82	Chemistry	Dr. Manoj Raula	Effect of NVP, HEMA, and Bis-GMA Grafting on Thermal and Physical Properties of Poly (AA-co-IA)	Macromolecular Symposia	2025
83	Chemistry	Prof.Sunita Rattan	Effect of Radiation on Polymeric Binder for Development of Radiation Resistant Coating	Macromolecular Symposia	2025
84	Chemistry	Seema Garg	Efficient visible light driven photocatalysis using BiOBr/BiOI heterojunction modified by Quercetin and defect engineering via simple mechanical grinding: Experiments & first-principles analysis	Materials Research Bulletin	2025
85	Chemistry	Dr. Seema Garg	Efficient visible light driven photocatalysis using BiOBr/BiOI heterojunction modified by Quercetin and defect engineering via simple mechanical grinding: Experiments & first-principles analysis.	Materials Research Bulletin.	2025
86	Chemistry	Nirmal Kumar Katiyar	Enhanced mechanical, tribological, and thermal properties of copper-graphene composites using additive manufacturing	Journal of Manufacturing processes	2025

87	Chemistry	Kiran Bajaj	Enhancing Temozolomide In Vivo Stability and Efficacy Through Hybrid Nanoconjugate Approach for Improved Glioblastoma Multiforme Treatment	Asian Journal of Pharmaceutical Sciences	2025
88	Chemistry	Dr. Seema Garg	Exploring algal diversity for enhanced nutrition: Implications for human	Algal Research	2025
89	Chemistry	Dr. Anita Gupta	Fabrication of post-synthetic modified Fe (III)-based metal organic framework for the electrochemical detection of 4-amino phenol	Environmental Nanotechnology, Monitoring & Management	2025
90	Chemistry	Dr Tejendra Kumar Gupta	Highly flexible flyash/multiwalled carbon nanotubes composite paper: A sustainable electrode for new generation Li-ion batteries	Next Energy	2025
91	Chemistry	Dr. Atanu Panda	Holistic Nanoarchitectonic Design of Hierarchically Structured	Chemical Engineering Journal	2025
92	Chemistry	Dr. Arindam Modak	Hypercrosslinked polymer derived carbon coated Fe-Ni alloy/CNT as bifunctional electrocatalyst for rechargeable zinc-air battery	J of physical chemistry letters	2025
93	Chemistry	Dr. Atanu Panda	Influence of Structural Diversity in Co(II)-oxamide Complexes Towards Single Molecule Magnets and Electrochemical Oxygen Evolution Reaction	New Journal of Chemistry	2025
94	Chemistry	Dr. Onkar singh Nayal	Inhibition of acrylic acid and acrylate autoxidation	Organic & biomolecular Chemistry	2025
95	Chemistry	Nirmal Kumar Katiyar	Laser melted wear resistance and conducting property of Copper-Graphene composite,	Progress in Additive Manufacturing	2025
96	Chemistry	Dr. Manoj Raula	Ligand-Mediated Proton-Coupled Electron Injection into Reactive Cores of Soluble Macroanion-Like Complexes of Titanium Dioxide	ACS	2025
97	Chemistry	Dr. Charles Beromeo Bheeter	Ni-doped Carbon nanomaterial as Catalyst for Transfer Hydrogenation of Unsymmetrical Urea using Methanol	ChemCatChem	2025
98	Chemistry	Suman Majumder	Nonequilibrium Dynamics of the Helix-Coil Transition in Polyalanine	The Journal of Chemical Physics	2025
99	Chemistry	Dr. Aditi Sangal*, Dr. Prachi Singhal, Prof.Sunita Rattan	Optimizing Acrylonitrile Grafting onto Rayon Fibers to Enhance Its Application Characteristics	Macromolecular Symposia	2025
100	Chemistry	Prof.Sunita Rattan*, Arindama Modak, Prachi Singhal	Polyethylene Functionalized with Imidazolium and Pyridinium Moieties through Radiation-Induced Grafting for Alkaline Solid Polymer Electrolyte Membranes	Chemical Engineering and Technology	2025

101	Chemistry	Dr.Maumita Das Mukherjee	Recent advancements of paper-Based electrochemical biosensors using conductive ink - A brief overview	Materials Science in Semiconductor Processing	2025
102	Chemistry	Kumar Rakesh Ranjan	Recent challenges and scope in tandem cells for unassisted overall water splitting	Next Materials	2025
103	Chemistry	Dr Nirmal Kumar	Resolving Lonsdaleite's Decade-Long Controversy: Atomistic Insights into a Metastable Diamond Polymorph	Diamnod and Related materials	2025
104	Chemistry	Dr Kiran Bajaj	Rh(III)-Catalyzed Fabrication of [4,3,1]-Bridged Azaheterocycles using Quinone Monoacetals	Journal of Organic Chemistry	2025
105	Chemistry	Dr, Arindam Modak	State-of-the-Art Achievements and Challenges in Photochemical Conversion of Plastics to Chemicals and Composites	ACS	2025
106	Chemistry	Dr Tejendra Kumar Gupta	Strain Detection Using Long-Length MWCNT Buckypaper-Based Flexible Strain Sensor for Large Strain Range	Carbon Trends	2025
107	Chemistry	Dr Tejendra Kumar Gupta	Study and development of efficient and sustainable soil/compost-based earth batteries	Applied Physics A	2025
108	Chemistry	Dr, Arindam Modak	Sustainable Strategies for Fixation of CO ₂ into Valuable Chemicals Catalyzed by Functionalized Porous Materials	Willey	2025
109	Chemistry	Dr.Maumita Das Mukherjee	Trends in Aptasensing and the Enhancement of Diagnostic Efficiency and Accuracy	ACS Synthetic Biology,	2025
110	Chemistry	Dr. Seema Garg	Visible-Light-Active 'Bismuth Tungstate/Curcuma longa' Z-Scheme Hetero-structured Photocatalyst for the Degradation of Methyl Orange and Phenol.	Reaction Kinetics, Mechanisms and Catalysis,	2025
111	Chemistry	Dr.Maumita Das Mukherjee	Wearable Biosensors in Modern Healthcare: Emerging Trends and Practical Applications	Talanta Open	2025
112	Chemistry	Prof. Sunita Rattan	Anti-microbial rayon fibres through radiation-induced grafting of 4-vinyl pyridine and acrylonitrile: a potential material for wound dressing	Polymer Bulletin	2025
113	Chemistry	Prof. Sunita Rattan	Gamma radiation grafted linear low density polyethylene based proton exchange membrane for fuel cell applications	International Journal of Materials Research	2025
114	Chemistry	Prof. Sangeeta Tiwari	Morphology influence on charge carrier dynamics in photocatalytic CO ₂ conversion: Comparative analysis between TiO ₂ nanopowder and nanofibers	Sustainable Chemistry for the Environment	2025

115	Chemistry	Dr. Manoj Raula	Recent advances on catalytic potentials of copper oxides (I & II): fundamentals to applications	Critical Reviews in Solid State and Materials Sciences	2025
116	Chemistry	Dr. Seema Garg	Biosynthesized carbon quantum dots/g-C ₃ N ₄ /Co ₃ O ₄ composites for effective methylene blue dye degradation and DFT study	Diamond and Related Materials	2025
117	Chemistry	Dr. Seema Garg	Metabolomic characterization of algal nutraceuticals to elucidate their biological activities	Metabolomics	2025
118	Chemistry	Dr. Maumita Das Mukherjee	Engineered 2D Smart Nanomaterials and Nanocomposites: Advanced Frontiers in Heavy Metal Ion Detection for Water Purification	Journal of Environmental Chemical Engineering	2025
119	Chemistry	Deepshikha Gupta	Fully Sustainable Starch-Based Food Packaging Incorporated With Tannic Acid—A Natural Polyphenol	Packaging Technology and Science	2025
120	Chemistry	Dr. Kumar Rakesh Ranjan	Recent challenges and scope in tandem cells for unassisted overall water splitting	Next Materials	2025
121	Chemistry	Dr. Manoj Raula	Effect of Ni Metals on the [PTiW ₁₁ O ₄₀] ₅ – POM-Stabilized Self-Doped TiO ₂ NPs toward Visible Light-Induced Hydrogen Evolution Reactions	ACS Applied Energy Materials	2025
122	Chemistry	Kiran Bajaj	Cationic lipid-polymer hybrid carrier for delivery of miRNA and peptides	Biomaterials Advances	2025
123	Chemistry	Suman Majumder	Unusual swelling and anomalous block diffusion of di- and tri-block copolymers made of active and passive monomers	The Journal of Chemical Physics	2025
124	Chemistry	Atanu Panda	Influence of Structural Diversity in Co(II)-oxamide Complexes Towards Single Molecule Magnets and Electrochemical Oxygen Evolution Reaction	New Journal of Chemistry	2025
125	Chemistry	Deepshikha Gupta	Highly Efficient Multicomponent One-Pot Synthesis of Benzoxazin-2-one Using Yb-triflate and Their Potential as AChE Inhibitor	ChemistrySelect	2025
126	Chemistry	Deepshikha Gupta	Morpholino Pyrimidine/Pyrimidino-Oxazines: An Integrated Study as DGAT1 Inhibitors Through QSAR, Molecular Docking, ADMET, and Computational Simulation	ChemistrySelect	2025
127	Chemistry	Suman Majumder	Scale-Free Cluster–Cluster Aggregation during Polymer Collapse	Macromolecules	2025

128	Chemistry	Pratibha Sharma	Harnessing precision in hydrogel architectures through reversible-deactivation radical polymerisation techniques	Materials Horizons	2025
129	Chemistry	Kiran Bajaj	Recent Advancement on Peptide-Based Fluorescent/Colorimetric Sensors for Metal Ion Detection	Chemistry an Asian Journal	2025
130	Chemistry	Kiran Bajaj	A rhodium-catalyzed [4 + 2] annulation strategy to synthesize pyranone-mounted tyrosines with anti-neuroinflammatory activity	Org. Biomol. Chem.	2025
131	Chemistry	Dr. Aditi Sangal	Anti-microbial rayon fibres through radiation-induced grafting of 4-vinyl pyridine and acrylonitrile: a potential material for wound dressing	Polymer Bulletin	2025
132	Chemistry	Dr. Aditi Sangal	Potential of the <i>Spatholobus littoralis</i> as an antibacterial and prediction of the mechanism of activity against PBP3 receptor model of <i>Staphylococcus aureus</i>	Rasayan Journal of Chemistry	2025
133	Chemistry	Dr. Souvik Chatterjee	Anisotropy-induced absorption in a large Zeeman manifold	Applied Physics B	2025
134	Chemistry	Dr Kiran Bajaj	Rhodium-Catalyzed Regioselective C7Ar-(Acyl)alkylation of Tryptophan With Allyl Alcohols and Its Late-Stage Peptide Exemplification	Chemistry an asian Journal	2025
135	Chemistry	Dr. Christine Jeyaseelan	Microbial Alchemy: Waste valorization for yeast oil production for a circular future	Current Trends in Biotechnology and Pharmacy	2025
136	Chemistry	Dr. Seema Garg	Facile synthesis of novel ternary g-C ₃ N ₄ /MnO ₂ /CQDs nanocomposite for efficient photocatalytic degradation of methylene blue and DFT study	Surfaces and Interfaces	2025
137	Chemistry	Dr. Manoj Raula	Ligand-mediated proton-coupled electron injection into reactive cores of soluble macroanion-like complexes of titanium dioxide	Journal of the American Chemical Society	2025
138	Chemistry	Dr. Atanu Panda	Borophene and Its Transition Metal Doped Heterostructures: Recent Advancements Toward High-Performance Electrochemical Applications	ChemistrySelect	2025
139	Chemistry	Dr. Atanu Panda	Holistic nanoarchitectonic design of hierarchically structured oxygen reduction reaction catalyst	Chemical Engineering Journal	2025

140	Chemistry	Dr. Maumita Das Mukherjee	Recent advancements of paper-Based electrochemical biosensors using conductive ink - A brief overview	Materials Science in Semiconductor Processing	2025
141	Chemistry	Dr. Maumita Das Mukherjee	Wearable biosensors in modern healthcare: Emerging trends and practical applications	Talanta Open	2025
142	Chemistry	Dr. Kumar Rakesh Ranjan	Breaking the 'forever' bond: photocatalytic degradation of per- and polyfluoroalkyl substances using ternary photocatalysts	Reviews in Environmental Science and Bio/Technology	2025
143	Chemistry	Dr. Kumar Rakesh Ranjan	Advances in Carbon-Based Flexible Thermoelectric Materials: Challenges, Prospects, and Applications for Wearable Power Solutions	Current Nanomaterials	2025
144	Chemistry	Dr. Kumar Rakesh Ranjan	Coordination and organometallic compounds of graphyne and graphdiyne: Synthesis, properties and applications	Coordination Chemistry Reviews	2025
145	Chemistry	Dr. Kumar Rakesh Ranjan	Experimental, spectroscopic analysis, DFT and molecular docking studies of pyridine based biologically active anti-fungal drug derivative of para-benzoquinone and benzimidazole	Journal of Molecular Structure	2025
146	Chemistry	Dr. Kumar Rakesh Ranjan	MXenes and their composites for high-performance detection of pharmaceuticals and pesticides: A comprehensive review	Composites Part B: Engineering	2025
147	Chemistry	Dr Manoj Raula	Effect of NVP, HEMA, and Bis-GMA Grafting on Thermal and Physical Properties of Poly (AA-co-IA)	Macromolecular Symposia	2025
148	Chemistry	Pratibha Sharma	Fully Sustainable Starch-Based Food Packaging Incorporated With Tannic Acid—A Natural Polyphenol	Packaging Technology and Science	2025
149	Chemistry	Dr. Aditi Sangal	Two N-Phenyl-Carbamic Acid Methyl Esters from Spatholobus littoralis and their Cytotoxic Effect Against Breast Cancer Using In Vitro and In Silico Methods	Tropical Journal of Natural Product	2025
150	Chemistry	Dr. Mousumi Sen	Simultaneous biosorption of Cr (VI) and Ni (II) from aqueous solution using waste corn cob: a study of isotherm, kinetics and thermodynamics	Environmental Sustainability	2025

151	Chemistry	Dr. Manoj Raula	Cu2O NPs as Visible-Light Photosensitizer Impregnated on Self-Doped TiO ₂ -PTiW11O40 p-n Heterojunctions for Photo-, Electro-, and Photoelectrochemical Hydrogen Production	ACS Applied Nano Materials	2025
152	Chemistry	Tejendra K Gupta	Highly flexible flyash/multiwalled carbon nanotubes composite paper: A sustainable electrode for new generation Li-ion batteries	Next Energy	2025
153	Chemistry	Tejendra K Gupta	Strain detection using long-length MWCNT buckypaper-based flexible strain sensor for large strain range	Carbon Trends	2025
154	Chemistry	Tejendra K Gupta	Enhanced Mechanical Properties of Solar Waste Recycled EVA/MWCNT Nanocomposite Films	Journal of Electronic Materials	2025
155	Chemistry	Tejendra K Gupta	Electrodeposition of SnO ₂ and SnO ₂ /PPy coating on Cu electrode for enhanced performance of microbial fuel cell	Applied Physics A	2025
156	Chemistry	Tejendra K Gupta	A Review on Hydrogels for Smart Drug Delivery Systems and their Mathematical Modelling	Current Materials Science	2025
157	Mathematics	Dr. Vanita Garg	A hybrid Mountain Gazelle particle swarm-based algorithm for constrained optimization problems	Evolving Systems	2025
158	Mathematics	Dr Sacheendra Shukla	Compact Star Modelling of Durgapal Solution in f(Q) gravity	Gravitation and Cosmology	2025
159	Mathematics	Dr. H.D Arora	Detection and Classification of Pneumonia from Chest X-rays Using Image Based Deep Learning Methods	Springer Proceedings in Mathematics and Statistics	2025
160	Mathematics	Dr Divya Agarwal	Duality for robust multi-dimensional vector variational control problem under invexity	An International Journal of Optimization and Control: Theories & Applications	2025
161	Mathematics	Dr. Sumit Kaur Bhatia	Dynamic analysis of a communicable disease fractional order model incorporating vaccination and multiple time delays	Alexandria Engineering Journal	2025
162	Mathematics	Dr. Sumit Kaur Bhatia	Epidemic and unemployment interplay through bi-level multi delayed mathematical model	Mathematics and Computers in Simulation	2025
163	Mathematics	Dr. Vanita Garg	Laplacian biogeography-based algorithm using a gaining-sharing knowledge-based strategy for global optimization problems and the Lennard-Jones problem	Engineering Optimization	2025

164	Mathematics	Vijay Kumar	Modeling Reliability-Driven Software Release Strategy Considering Testing Effort with Fault Detection and Correction Processes: A Control Theoretic Approach	World Scientific	2025
165	Mathematics	Dr Divya Agarwal	Optimal Inventory and Pricing Strategies for Integrated Supply Chains of Growing Items Under Carbon Emission Policies	Mathematics	2025
166	Mathematics	Dr Shweta Upadhyaya, Dr Divya Agarwal	Performance forecasting of Discrete-time Priority Retrial Queue with its application in Cognitive Radio Networks	International Journal of Communication Systems	2025
167	Mathematics	Dr. Rishu Arora	Selection of the Optimal Health Care Waste Treatment Technology Using Yager Prioritized Arithmetic Operator-Based p, q-Quasirung Orthopair Fuzzy Group Decision-Making Method	Process Integration and Optimization for Sustainability	2025
168	Mathematics	Dr. H.D Arora	SIMILARITY MEASURES FOR Q-RUNG ORTHOPAIR FUZZY SETS AND APPLICATIONS TO DECISION MAKING	Mathematical Foundations of Computing	2025
169	Mathematics	Dr.Rupakshi Mishra Pandey	Some Integral Inequalities Involving a Fractional Integral Operator with Extended Hypergeometric Function	Dolomite Research Notes on approximation	2025
170	Mathematics	Dr. Sumit Kaur Bhatia	Stability Analysis of SVIRC Epidemic model with the Impact of Vaccination and Cross-Immunity	Mathematics in Engineering, Science and Aerospace	2025
171	Mathematics	Dr. Sumit Kaur Bhatia	Understanding the impact of media and latency in information response on the disease propagation: a mathematical model and analysis	Epidemiol. Methods	2025
172	Mathematics	Vijay Kumar	Unveiling the Evolution: Multi-Patch Multi-Release Software Reliability Growth Model with Testing Effort	River Publication	2025
173	Mathematics	Dr. Divya Agarwal	Optimality and duality for robust semi-infinite nonsmooth multiobjective fractional programming under Uniqueness	Journal of Applied Mathematics And Computing	2025
174	Mathematics	Dr. Jayanti Tripathi Pandey	Pregnancy Risk Assessment: A Study on Oversampling Techniques and Their Impact on XGBoost Performance	IEEE	2025
175	Mathematics	Dr.Kuldeep Chaudhary	Optimal Testing Effort Allocation for a Software Reliability Growth Model in Fuzzy Environment via Optimal Control Theoretic Approach.	Journal of Reliability and Statistical Studies	2025

176	Mathematics	Dr.Kuldeep Chaudhary	A Multi-Criteria Decision-Making Framework for Blockchain Technology Adoption in Smart Healthcare	International Journal of Mathematical, Engineering and Management Sciences	2025
177	Mathematics	Dr.Kuldeep Chaudhary	Diffusion modeling with evolving adoption rates and repeat purchase influence	International Journal of System Assurance Engineering and Management	2025
178	Mathematics	Pawan Kumar Sharma	Influence of magnetohydrodynamics and chemical reactions on oscillatory free convective flow through a vertical channel in a rotating system with variable permeability	Modern Physics Letters B Open source preview,	2025
179	Mathematics	Dr Rashmi Singh	Optimizing Healthcare in the Digital Era: Fusion of IoT with other Techniques	EAI Endorsed Transactions on Internet of Things	2025
180	Mathematics	Dr.Vijay Kumar	Multi release software reliability modelling incorporating fault generation in detection process and fault dependency with change point in correction process	Scientific Reports	2025
181	Mathematics	Dr.Vijay Kumar	Software belief reliability growth model incorporating change point and imperfect debugging based on uncertain differential equation approach	Scientific Reports	2025
182	Mathematics	Dr.Vijay Kumar	Optimal Testing Effort Allocation for a Software Reliability Growth Model in Fuzzy Environment via Optimal Control Theoretic Approach.	Journal of Reliability and Statistical Studies	2025
183	Mathematics	Dr. Sunil Hans	AN OPERATOR PRESERVING INEQUALITIES BETWEEN A POLYNOMIAL AND ITS MODIFIED SMIRNOV OPERATOR	Journal of Mathematical Sciences	2025
184	Mathematics	Dr. Pratibha Joshi	Investigating the Laplace Variational Iteration Method for Solving Nonlinear Differential Equations Arising in Digital Systems	Mathematics and Statistics	2025
185	Mathematics	Dr. Divya Agarwal	Convexity Conditions for Optimizing a Single Server Discrete-time Queueing System under a Randomized Cutoff Policy	Methodology and Computing in Applied Probability	2025
186	Mathematics	Dr. H.D. Arora	SIMILARITY MEASURES FOR Q-RUNG ORTHOPAIR FUZZY SETS AND APPLICATIONS TO DECISION MAKING	Mathematical Foundations of Computing	2025
187	Mathematics	Riju Chaudhary	Sentiment-driven forecasting: enhancing cryptocurrency price prediction with biLSTM and DistilBERT	International Journal of System Assurance Engineering and Management	2025

188	Mathematics	Dr. Divya Agarwal	Effect of Climate on the Supply Chain for Growing Items with Imperfect Quality	Process Integration and Optimization for Sustainability	2025
189	Mathematics	Dr.Vijay Kumar	Multi-release software belief reliability growth model based on uncertain differential equation	International Journal of System Assurance Engineering and Management	2025
190	Mathematics	Dr.Vijay Kumar	Revisiting software reliability growth model under general setup	International Journal of System Assurance Engineering and Management	2025
191	Mathematics	Dr Lovely Jain	Flow Analysis of a Trihybrid Nanofluid using Local Linearization Method	Discontinuity, Nonlinearity, and Complexity	2025
192	Physics	Dr Bibhuti Parida	Angular analysis of the $B^0 \rightarrow K^*(892)0\mu^+\mu^-$ decay in proton-proton collisions at $\sqrt{s}=13\text{TeV}$	Physics Letter B	2025
193	Physics	Dr Bibhuti Parida	Constraints on standard model effective field theory for a Higgs boson produced in association with W or Z bosons in the $H \rightarrow b\bar{b}$ decay channel in proton-proton collisions at $\sqrt{s} = 13 \text{ TeV}$	Journal Of High Energy Physics	2025
194	Physics	Dr Adarsh Kumar	Digisonde based inter-analysis of ionospheric TEC during the major solar eclipse of 8 April 2024 over North/South American sites	Advances in Space Research	2025
195	Physics	Dr.Gaurav Sharma, Dr Tejendra Kumar Gupta, Dr. Ravi Kant Choubey	Effect of electrolytes on electrical charge storage performance in a compost-based symmetric device	Applied Physics A: Materials Science & Processing	2025
196	Physics	Dr. A K Shukla	Effects of Bi ₂ O ₃ as sintering aid on the microstructure and electrical properties of La ₂ Ti ₂ O ₇ ceramics	Applied Physics A: Materials Science & Processing	2025
197	Physics	Dr. A K Shukla	Ferroelectric phase transition in polymorphic Cd-doped barium calcium zirconate titanate (BCZT) ceramics	Ceramics International	2025
198	Physics	Dr Shivani A Kumar	Generation of Superposed Coherent States	Nonlinear Optics quantum optics	2025
199	Physics	Dr Bibhuti Parida	Identification of low-momentum muons in the CMS detector using multivariate techniques in proton-proton collisions at $\sqrt{s} = 13.6 \text{ TeV}$	JINST	2025
200	Physics	Dr. Gautam Singh	Impact of Carbon Dots on Ionic Conductivity of Isothiocyanate-Based Nematic Liquid Crystal	Macromolecular Symposia	2025
201	Physics	Dr Sanjeev K Srivastava	Implementation of QKD-based system using Nano PCF for healthcare applications	Sensing and Biosensing Research	2025

202	Physics	Dr Bibhuti Parida	Measurement of the inclusive WZ production cross section in pp collisions at 13.6 TeV.	Journal Of High Energy Physics	2025
203	Physics	Dr Bibhuti Parida	Measurements of the Higgs boson production cross section in the four-lepton final state in proton-proton collisions at 13.6 TeV	Journal Of High Energy Physics	2025
204	Physics	Dr. Gautam Singh	Nanocomposites tuned protracted electro-optical responsive memory in smectogenic cyanobiphenyl-based liquid crystal material	Journal of Molecular Liquids	2025
205	Physics	Dr Bibhuti Parida	Observation of nuclear modification of energy-energy correlators inside jets in heavy ion collisions	Phys.Lett.B	2025
206	Physics	Dr Surbhi	Photo Sensing Properties of Heterojunction WO ₃ /p-Si and WS ₂ /p-Si Thin Films Synthesized by CBD	ECS journal of Solid State Science and Technology	2025
207	Physics	Dr Bibhuti Parida	Proton reconstruction with the TOTEM Roman pot detectors for high- β^* LHC data	JINST	2025
208	Physics	Dr. Ravi Kant Choubey	Raman Spectroscopy and Structural Analysis of Polyphenylene Sulfide (PPS)	Macromolecular Symposia	2025
209	Physics	Dr Bibhuti Parida	Reweighting simulated events using machine-learning techniques in the CMS experiment	Eur. Phys. J. C	2025
210	Physics	Dr Bibhuti Parida	Search for heavy long-lived charged particles with large ionization energy loss in proton-proton collisions at 13 TeV	Journal Of High Energy Physics	2025
211	Physics	Dr Bibhuti Parida	Search for heavy neutral Higgs bosons A and H in the ttZ channel in proton-proton collisions at 13 TeV	Phys.Lett.B	2025
212	Physics	Dr Bibhuti Parida	Search for high-mass resonances in a final state comprising a gluon and two hadronically decaying W bosons in proton-proton collisions at 13 TeV.	Journal Of High Energy Physics	2025
213	Physics	Dr Bibhuti Parida	Search for pair production of heavy particles decaying to a top quark and a gluon in the lepton+jets final state in proton-proton collisions at 13 TeV.	European Physical Journal C	2025
214	Physics	Dr Jyoti Katyal	Simulation of TiN Nanospheres, Nanoellipsoids, and Nanorings for Enhanced Localized Surface Plasmon Resonance and Field Amplification	Chemistry Select	2025
215	Physics	Dr Rohit Verma	Spectroscopic Analysis of Severe Acute Respiratory Syndrome Coronavirus 2 (SARS-CoV-2)	Coronaviruses	2025
216	Physics	Dr. Ravi Kant Choubey	Structural, Optical, and Dielectric Property Analysis of Co _{0.7} Zn _{0.3} Cr ₂ O ₄ Chromite System	Macromolecular Symposia	2025

217	Physics	Dr. Ravi Kant Choubey	Study of faradic and non-faradic behaviour in a compost-based symmetric energy storage device	Journal of the Indian Chemical Society	2025
218	Physics	Dr Surbhi	Synthesis of Copper-Coated CuS Core–Shell Nanoparticles by CBD for Rhodamine Blue Dye Degradation	Journal of Electronic Materials	2025
219	Physics	Satyendra Pratap Singh*, Dr.Gaurav Sharma	Thermoelectric Properties of Al–ZnO Oxide Thin Film	Macromolecular Symposia	2025
220	Physics	Dr U C Srivastava	Thermophysical Study of Lithium Fluoride Crystal by use of (VTBFS) Model	Studies in Science of Science	2025
221	Physics	Dr Jyoti Katyal	Transition Metal Nitride–Based Plasmonic Nanomatryoshka for Cholesterol and Triglyceride Sensing	Plasmonics	2025
222	Physics	Dr. Gautam Singh	Tunable dielectric and electrical properties of InP/ZnS quantum dots doped nematic liquid crystal composites	Next Research	2025
223	Physics	Dr U C Srivastava	Tuning the Structural, Electronic, Magnetic, and Optical Properties of EuS via Nd ²⁺ Doping: A Comprehensive Study	Iranian Journal of Physics Research (IJPR)	2025
224	Physics	Dr U C Srivastava	Vibrational Study of Debye Temperature and Elastic Constants of Lithium Bromide (LiBr)	Studies in Science of Science	2025
225	Physics	Dr. Suresh Chandra	Rate Coefficients for Collisional Transitions Between a Large Number of Rotational Levels of Disilicon Carbide (SiCSi) Colliding with Para-H ₂ (j = 0)	Astrophysics	2025
226	Physics	Dr Jyoti Katyal	Self Healing Material: An Introduction	Journal of Polymer & Composites	2025
227	Physics	Dr Bibhuti Parida	Model -agnostic search for dijet resonances with anomalous jet substructure in proton–proton collisions at 13 TeV	Rept.Prog.Phys.	2025
228	Physics	Dr. Gautam Singh	Recent advances on morphological, dielectric, electrical, electro-optical, and optical features of quantum dots-liquid crystals nanocomposites	Liquid Crystals Reviews	2025
229	Physics	Dr Bibhuti Parida	Determination of the strong coupling and its running from measurements of inclusive jet production	Phys.Lett.B	2025
230	Physics	Dr Bibhuti Parida	Search for medium effects using jet axis decorrelation in inclusive jets from PbPb collisions at $\sqrt{s}=5.02$ TeV	JHEP	2025

231	Physics	Dr Bibhuti Parida	Search for bosons of an extended Higgs sector in b quark final states in proton-proton collisions at 13 TeV	JHEP	2025
232	Physics	Dr Surbhi	Effect of Cu doping on ZnO/ZnS composite thin film for visible light photodetection	Journal of Materials Science: Materials in Electronics	2025
233	Physics	Dr Gaurav Sharma	Evaluation of Ion Diffusion Mechanism and Magnetic Properties of Ecofriendly Strontium-Copper Ferrite Composite for Hydroelectric Cells	Journal of Electronic Materials	2025
234	Physics	Dr. Gautam Singh	Effect of SeO ₂ /Mo ₁₅ Se ₁₉ nanocomposite on the dielectric properties of a liquid crystal material	Applied Physics A	2025

235	Physics	Dr Bibhuti Parida	Observation of $WZ\gamma$ production and constraints on new physics scenarios in proton-proton collisions at $\sqrt{s}=13$ TeV.	Phys.Rev.D	2025
236	Physics	Dr Bibhuti Parida	Search for jet quenching with dijets from high-multiplicity pPb collisions at $\sqrt{s_{NN}} = 8.16$ TeV.	JHEP	2025
237	Physics	Dr Bibhuti Parida	Search for a Neutral Gauge Boson with Nonuniversal Fermion Couplings in Vector Boson Fusion Processes in Proton-Proton Collisions at $\sqrt{s}=13$ TeV	Phys.Rev.Lett.	2025
238	Physics	Dr Bibhuti Parida	Search for dark matter produced in association with one or two top quarks in proton-proton collisions at $\sqrt{s}=13$ TeV	JHEP	2025
239	Physics	Dr Bibhuti Parida	Evidence for Similar Collectivity of High Transverse-Momentum Particles in p-Pb and Pb-Pb Collisions	Phys.Rev.Lett.	2025
240	Physics	Dr Bibhuti Parida	Search for vector-like leptons with long-lived particle decays in the CMS muon system in proton-proton collisions at $\sqrt{s}=13$ TeV	JHEP	2025
241	Physics	Dr Bibhuti Parida	Observation of the Charged-Particle Multiplicity Dependence of $\sigma\psi(2S)/\sigma J/\psi$ in p-Pb Collisions at 8.16 TeV	Phys.Rev.Lett.	2025
242	Physics	Dr Bibhuti Parida	Probing Gluon Fluctuations in Nuclei with the First Energy-Dependent Measurement of Incoherent J/ψ Photoproduction in Ultraperipheral PbPb Collisions	Phys.Rev.Lett.	2025
243	Physics	Dr Bibhuti Parida	Search for dark matter production in association with a single top quark in proton-proton collisions at $\sqrt{s}=13$ TeV	JHEP	2025
244	Physics	Dr Bibhuti Parida	Observation of Λ Hyperon Local Polarization in p-Pb Collisions at $\sqrt{s_{NN}}=8.16$ TeV	Phys.Rev.Lett.	2025
245	Physics	Dr. Harsh Vardhan	Thickness-driven structural and magnetic evolution in permalloy thin films	Journal of Physics D: Applied Physics	2025
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247	Physics	Dr Gaurav Sharma	Comparative Study of Thermoelectric Behavior in NiO Thin Films Deposited at Varying Pressure	Journal of Electronic Materials	2025

248	Physics	Dr. Harsh Vardhan	Structure & magnetic properties of Cr/SnCo5/Pt/CoFeB multilayer thin films	Physica B: Condensed Matter	2025
249	Physics	Dr. Harsh Vardhan	Depth selective magnetization investigation in thermally reduced Co/Pd multilayers revealed by MCD study	Applied Surface Science	2025
250	Physics	Dr. Gaurav Sharma	Multifunctional properties of Cobalt Ferrite-Lanthanum Calcium Manganite nanocomposites for Hydroelectric Cell applications	Ceramics International	2025
251	Physics	Dr. Surbhi	Light Sensing Properties of WS2/p-Si Heterojunction Petal-Like Morphology Thin Film Synthesized Using CBD	Journal of Electronic Materials	2025
252	Physics	Dr. Suresh Chandra	Quantitative study of habitability of various classes of exoplanets	Advances in Space Research	2025
253	Physics	Dr. Ravi Kant choubey	Enhanced Mechanical Properties of Solar Waste Recycled EVA/MWCNT Nanocomposite Films	Journal of Electronic Materials	2025
254	Physics	Dr. Ravi Kant choubey	Development of highly sensitive UV-visible photodetector based on drop-cast Li-ZnO/p-Si heterojunction	Sensors and Actuators A: Physical	2025
255	Physics	Dr. Ravi Kant choubey	Electrodeposition of SnO2 and SnO2/PPy coating on Cu electrode for enhanced performance of microbial fuel cell	Applied Physics A	2025
256	Physics	Dr. Ravi Kant choubey	Optimizing annealing temperature for dysprosium-doped zinc silicate nanophosphors: unveiling structural advancements and luminescent characteristics for high-performance LED technology	Discover Materials	2025
257	Physics	Dr. Gautam Singh	Polysaccharide- and phenolic-rich Pinus patula extract-mediated TiO ₂ nanoparticles for photocatalytic degradation of methylene blue and 4-nitrophenol	International Journal of Biological Macromolecules	2025
258	Physics	Dr. Ashok Kumar	Polarization-Independent Electromagnetically Induced Transparency in a Bound State in Continuum Assisted Terahertz Metamolecule	Journal of Infrared, Millimeter, and Terahertz Waves	2025
259	Physics	Dr. Gautam Singh	Perovskite quantum dots doped nematic liquid crystal composites: Influence on dielectric parameters and electrical conductivity	Journal of Molecular Liquids	2025
260	Physics	Dr. Gautam Singh	Tunable dielectric features of 5CB nematic liquid crystal by LaNiO ₃ perovskite nanoparticles	Journal of Molecular Liquids	2025

261	Physics	Surbhi	Radio Frequency Treatment of Sesame Oilseed for Quality Assessmeny	Agricultural Science Digest	2025
262	Physics	Dr Satyendra Pratap Singh	<u>Comparative Study of Thermoelectric Behavior in NiO Thin Films Deposited at Varying Pressures</u>	<u>Journal of Electronic Materials</u>	2025
263	Physics	Dr Satyendra Pratap Singh	Thermoelectric Properties of Al–ZnO Oxide Thin Film	Macromol. Symposia	2025
264	Physics	Dr U C Srivastava	Tuning the Structural, Electronic, Magnetic, and Optical Properties of EuS via Nd ²⁺ Doping: A Comprehensive Study	Iranian Journal of Physics Research (IJPR)	2025
265	Physics	Dr U C Srivastava	Hydroelectric Cell Fabrication Using Transition Metal - Doped SnO2 for Efficient Green Energy Generation	Journal of Electronic Materials.	2025
266	Physics	Dr. Anoop Kumar Shukla	Radial mode piezoelectric response of Cd-doped barium calcium zirconate titanate ceramics	https://ieeexplore.ieee.org/xpl/conhome/11234924/proceeding	2025
267	Physics	Dr. Anoop Kumar Shukla	Effects of La and O deficiencies on AC & DC electrical conduction inLa2Ti2O7 ceramics	Physica B: Condensed Matter	2025
268	Physics	Dr. Sonal Chauhan	Low energy ion beam induced grafting and crosslinking of IRMOF-3 into guar gum–chitosan hydrogel films for transdermal drug delivery systems	Journal of Radioanalytical and Nuclear Chemistry	2025
269	Physics	Dr. Sonal Chauhan	Fully Sustainable Starch-Based Food Packaging Incorporated With Tannic Acid—A Natural Polyphenol	Packaging Technology and Science	2025
270	Physics	Dr Adarsh Kumar	Long term (2003-2023) analysis of Black Carbon aerosols and its impact on cloud characteristics over a highly polluted Delhi mega city of India	Atmospheric Environment (Elsevier Publisher, Q1 Cat, IF 3.7, Cite Score 8.8)	2025
271	Physics	Dr Adarsh Kumar	Digisonde based inter-analysis of ionospheric TEC during the major solar eclipse of 8 April 2024 over North/South American sites	Advances in Space Research (Elsevier, Q1 Cat, IF2.8, Cite score: 5.5)Vol 76 (7), pp. 3893-3913, 2025	2025
272	Physics	Dr Adarsh Kumar	Spatio-temporal variations of Aerosol Optical Depth (AOD) utilizing ground-based observations over four mega cities of Asia	Springer Proceedings in Physics	2025

273	Physics	Dr Adarsh Kumar	Two decadal (2001-2022) variability of global cirrus clouds reflectance utilizing ISS retrievals based CALIPSO-CALIOP satellite data (Ms No: ICRTMD23_P7), Springer Proceedings in Physics, 320 SPPHY, pp. 57–68, 2025	Springer Proceedings in Physics	2025
274	Physics	Dr Bibhuti Parida	Search for the Rare Decay $D^0 \rightarrow \mu^+ \mu^-$ in Proton-Proton Collisions at $\sqrt{s} = 13.6$ TeV	Phys.Rev.Lett.	2025
275	Physics	Dr Bibhuti Parida	Search for a heavy pseudoscalar Higgs boson decaying to a 125 GeV Higgs boson and a Z boson in final states with two tau and two light leptons in proton-proton collisions at $\sqrt{s} = 13$ TeV	JHEP	2025
276	Physics	Dr Bibhuti Parida	Search for dark matter produced in association with a Higgs boson decaying to a τ lepton pair in proton-proton collisions at $\sqrt{s} = 13$ TeV	JHEP	2025
277	Physics	Dr Bibhuti Parida	Search for top squarks in final states with many light-flavor jets and 0, 1, or 2 charged leptons in proton-proton collisions at $\sqrt{s} = 13$ TeV	JHEP	2025
278	Physics	Dr Bibhuti Parida	Search for a cH signal in the associated production of at least one charm quark with a Higgs boson in the diphoton decay channel in pp collisions at $\sqrt{s} = 13$ TeV.	JHEP	2025
279	Physics	Dr Bibhuti Parida	Performance of heavy-flavour jet identification in Lorentz-boosted topologies in proton-proton collisions at $\sqrt{s} = 13$ TeV	JINST	2025
280	Physics	Dr Bibhuti Parida	Development of systematic uncertainty-aware neural network trainings for binned-likelihood analyses at the LHC.	EPJC	2025
281	Physics	Dr Bibhuti Parida	Search for γH production and constraints on the Yukawa couplings of light quarks to the Higgs boson.	PRD	2025
282	Physics	Dr Bibhuti Parida	Measurement of event shapes in minimum-bias events from proton-proton collisions at $s = 13$ TeV	PRD	2025
283	Physics	Dr Bibhuti Parida	Search for t-channel scalar and vector leptoquark exchange in the high-mass dimuon and dielectron spectra in proton-proton collisions at $S = 13$ TeV	JHEP	2025
284	Physics	Dr Bibhuti Parida	Observation of Coherent $\phi(1020)$ Meson Photoproduction in Ultraperipheral PbPb Collisions at $s_{NN} = 5.36$ TeV	PRL	2025

285	Physics	Dr Bibhuti Parida	Search for charged-lepton flavour violation in top quark interactions with an up-type quark, a muon, and a τ lepton in proton-proton collisions at $\sqrt{s} = 13$ TeV	JHEP	2025
286	Physics	Dr Bibhuti Parida	General search for supersymmetric particles in scenarios with compressed mass spectra using proton-proton collisions at $\sqrt{s} = 13$ TeV.	Phys.Rev.D	2025
287	Physics	Dr Bibhuti Parida	Evidence of medium response to hard probes using correlations of Z bosons with hadrons in heavy ion collisions	Phys. Lett. B	2025
288	Physics	Dr. Harsh Vardhan	UV Photodetector Characteristics of Drop-Cast Ni-Doped ZnO/p-Si Heterojunctions	Journal of Alloys and Compounds	2025
289	Physics	Dr. Rama Shankar Pandey	Analysis of whistler mode instability for relativistic magnetized plasmas using a subtracted bi-Maxwellian distribution in Jovian magnetosphere	Physica Scripta	2025
290	Physics	Dr Satyendra Pratap Singh	Enhanced Mechanical Properties of Solar Waste Recycled EVA/MWCNT Nanocomposite Films	Journal of Electronic Materials	2025
291	Physics	Dr Shivani	Near Perfect Teleportation of Bipartite Entangled Coherent States	Non Linear Optics Quantum Optics	2025
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301	Statistics	Dr Dheeraj Kumar	Analysis of a Reliability Model of an Off-Grid Solar System and a Generator Under Conditional Repair	Metallurgical and Materials Engineering	2025
302	Chemistry	Akanksha Taneja, Priyanshi Gupta, Sheenam Thatai, Parul Khurana, Kumar Rakesh Ranjan, Jay Singh, Maumita Das Mukherjee,	“Microwave-assisted bio-derived bismuth oxybromide (BiOBr) decorated polyaniline nanocomposite for highly sensitive electrochemical determination of endocrine disruptor bisphenol-A”,	Journal of Molecular Structure 1318 (2024) 139320	2024
303	Chemistry	Ansar Anjum, Mohd. Kashif, Javed Aalam, Sajid Iqbal, Jay Singh, Maumita Das Mukherjee	“Synthesis and characterization of sustainable polyurethane-amide (PUA)-organoclay bio-nanocomposites for enhanced protective coatings”,	Journal of Molecular Structure,	2024
304	Chemistry	Kumar Rakesh Ranjan	A review on the use of composites of a natural protein, silk fibroin with Mxene/carbonaceous materials in biomedical science	International Journal of Biological Macromolecules	2024
305	Chemistry	Dr. Kumar Rakesh Ranjan	Algal biomass based bio-refineries: Concurrent pre-treatment strategies and perspectives for sustainable feedstock	Biomass and Bioenergy	2024
306	Chemistry	Prof.Sunita Rattan	Analysis of graft copolymers via edge detection method of scanning electron micrographs	MRS Advances	2024
307	Chemistry	Prof.Sunita Rattan* , Prachi Singhal	Anion exchange membrane with enhanced alkaline stability through radiation grafting of ETFE for solid polymer electrolytes	Polymer Engineering and Science	2024
308	Chemistry	Dr. Sheenam Thatai	Antibacterial activity of biogenic and chemically synthesized silver nanoparticles and its application in wastewater treatment	Inorganic Chemistry Communications	2024
309	Chemistry	Dr. Aditi Sangal	Antioxidant Activity of Aloe vera and Prediction of Interaction Mechanisms on ROS1 Kinase and Collagenase Receptors	Molekul	2024

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311	Chemistry	Kumar Rakesh Ranjan	Atomically dispersed single-atom catalysts (SACs) and enzymes (SAzymes): synthesis and application in Alzheimer's disease detection	Journal of Materials Chemistry B	2024
312	Chemistry	Madhur Kant†, Mousumi Sen†*, and Fehmeeda Khatoon‡	Biological removal of Zinc by fungal sp.	Research Journal of Chemistry And Environment	2024
313	Chemistry	Dr. Sangeeta Tiwari	Catalytic properties of TiO2 nanofibers in CO2 conversion: a comparative analysis of polymer matrices	Journal of Nanoparticle Research	2024
314	Chemistry	Dr. Mousumi Sen	Chromium and nickel exclusion from contaminated water by biomass based carbon microsheet	Reaction Kinetics, Mechanisms and Catalysis	2024
315	Chemistry	Dr Christine Jeyaseelan	Composites of sodium-alginate based – Functional materials towards sustainable adsorption of benzene phenol derivatives -Bisphenol A/Triclosan	Environmental Research	2024
316	Chemistry	Suman Majumder	Computational and Analytical Approaches for DNA Methylation Pattern Modelling	Proceedings of 3rd International Workshop on Mathematical Modeling and Scientific Computing	2024
317	Chemistry	Kumar Rakesh Ranjan	Computational supported experimental insights in adsorption of Congo Red using ZnO/doped ZnO in aqueous solution	Scientific Reports	2024
318	Chemistry	Dr Christine Jeyaseelan	Concerns regarding patient's safety and oral health risks associated with counterfeit dental materials	Ethics medicine and public health	2024
319	Chemistry	Dr Tejendra Kumar Gupta*, Dr. Deepshikha Gupta	Contribution of women in green chemistry: Catalyst for a sustainable tomorrow	Sustainable Chemistry and Pharmacy	2024
320	Chemistry	Deepshikha Gupta, Eksha Guliani, · Kiran Bajaj	Coumarin—Synthetic Methodologies, Pharmacology,	Topics in Current Chemsitry	2024
321	Chemistry	Deepshikha Gupta, Eksha Guliani, · Kiran Bajaj	Coumarin—Synthetic Methodologies, Pharmacology, and application as natural fluorophore	Topics in Current Chemsitry	2024
322	Chemistry	Jaibir Kherb	Electrochemicaland computational insightsinto the utilization of an N-heteroaromatic containing compound2-(4-Methoxy-phenyl)-5-naphthalen-2-yl-[1,3,4]oxadiazole as a promising anticorrosive agent for mild steel in corrosive medium	Journal of Molecular structure	2024

323	Chemistry	Rakesh Das, Nirmal Kumar kAtiyar.....CS Tiwary	Engineering the Interface of Cu-hBN Immiscible System Using 3D Printing To Enhance Mechanical and Thermal Properties	<i>ACS Applied Engineering Materials</i>	2024
324	Chemistry	Suman Majumder	Enhanced diffusion and universal Rouse-like scaling of an active polymer in poor solvent	Physical Review Materials	2024
325	Chemistry	Dr. Seema Garg	Enhancing biocompatibility and functionality: Carbon nanotube-polymer	Journal of Drug Delivery Science and Technology	2024
326	Chemistry	Himanshu Singh a , Rushikesh S. Ambekar a , Deeptava Das a , V. Akhilesh Danam c , Nirmal Kumar Katiyar a,b,* , Bidus Kanti Das e , Chandra Sekhar Tiwary a,* , Jayanta Bhattacharya	Enhancing structural resilience by using 3D printed complex polymer reinforcement for high damage tolerant structures	Construction and Building Materials	2024
327	Chemistry	Dr Nirmal Kumar Katiyar	Experimental and theoretical study of size-dependent phase evolution in NaCl-KCl alloys	Next materials	2024
328	Chemistry	Madhur Kant†, Mousumi Sen†*, and Fehmeeda Khatoon‡	Exploring the Role of Carbon Nanosheets for Detoxification of Cr(VI) from Aqueous Solution	Research Journal of Chemistry And Environment	2024
329	Chemistry	Arindam Modak, D. Gill, V. Vasin, K.K.Pant, S.Bhattacharyya	Facile Hydrogenolysis of Sugars to 1,2-Glycols by Ru@PPh3/OPPh3 Confined Large-Pore Mesoporous Silica	J. of Physical Chemistry Letters	2024
330	Chemistry	Dr. Seema Garg	Facile low temperature synthesis of bismuth molybdate stabilized ferricyanide and ferrocyanide nanocomposites for the degradation of organic pollutants	Inorganic Chemistry Communications	2024
331	Chemistry	Dr Tejendra Kumar Gupta*, Dr. Ravi Kant Choubey	Flexible and efficient ultraviolet photodetectors based on one dimensional MWCNT filled thermoplastic polyurethane nanocomposite freestanding films	Journal of Inorganic and Organometallic Polymers and Materials	2024
332	Chemistry	Nirmal Kumar Katiyar	Forest hardening and Hirth lock during grinding of copper evidenced by MD simulations	Manufacturing Letters	2024
333	Chemistry	Nirmal Kumar Katiyar	Hierarchical Phase Separation of Equatomic CoCuFeNiTi High Entropy Alloy during Spark Plasma Sintering	Journal of Materials Science	2024

334	Chemistry	Sangeeta Tiwari	Innovative CO2 conversion: harnessing photocatalytic activity in polyvinylidene fluoride/TiO2 electrospun nanofibers for environmental sustainability	Reaction Kinetics, Mechanisms and Catalysis	2024
335	Chemistry	Dr Shashi Chawla	Innovative technologies for the fabrication of 3D/4D smart hydrogels and its biomedical applications - A comprehensive review	Advances in Colloid and Interface Science	2024
336	Chemistry	Dr. Seema Garg	Insights into photocatalytic CO2 reduction reaction pathway: Catalytic modification for enhanced solar fuel production	Journal of Industrial and Engineering Chemistry	2024
337	Chemistry	Dr. Suman Majumder	Interplay of phase segregation and chemical reaction: Crossover and effect on growth laws	Physical Rievew E	2024
338	Chemistry	Dr Kiran Bajaj	Iridium-catalyzed diacylmethylation of tyrosine and Application as Natural Fluorophore	Chem Comm	2024
339	Chemistry	Pratibha Sharma, Minna Hakkarainen	Light responsive chemistry – A design strategy for remodelling benzoxazine architectures towards room temperature processing	Materials Today Chemistry	2024
340	Chemistry	Kiran Bajaj	Luminescent triazolo-fused pyrido[3,4-b]pyrazines as novel fluorophores	Dyes and Pigments	2024
341	Chemistry	Kumar Rakesh Ranjan	Luminous Insights: Exploring Organic Fluorescent “Turn-On” Chemosensors for Metal-Ion (Cu+2, Al+3, Zn+2, Fe+3) Detection	Journal of Fluorescence	2024
342	Chemistry	Dr. Maumita Das Mukherjee*, Kumar Rakesh Ranjan*,	Microwave-assisted bio-derived bismuth oxybromide (BiOBr) decorated polyaniline nanocomposite for highly sensitive electrochemical determination of endocrine disruptor bisphenol-A	Journal of Molecular Structure 1318 (2024) 139320	2024
343	Chemistry	R Deokar, AG Banpurkar, AR Singh, J Mehta, A Gajengi, S Thatai, N Pahwa, S Nalawade	Morphological, Optical and Voronoi Polygon Analysis of Breath Figures Prepared on Polymeric Surface	INDIAN JOURNAL OF SCIENCE AND TECHNOLOGY	2024
344	Chemistry	Madhur Kant†, Mousumi Sen†*, and Fehmeeda Khatoon‡	Optimization by the full factorial method for the removal of Cr(VI) using maize cob husk	Reaction Kinetics, Mechanisms and Catalysis	2024
345	Chemistry	Dr. Mousumi Sen	Optimization by the full factorial method for the removal of Cr(VI) using maize cob husk	Reaction Kinetics, Mechanisms and Catalysis	2024
346	Chemistry	Deepshikha Gupta	Paper-based biosensors—from fabrication to applications: a review	Chemical papers	2024

347	Chemistry	Dr. Charles Beromeo Bheeter	Pd/C–Catalyzed Selective N-Monomethylation by Transfer Hydrogenation of Urea Derivatives using Methanol as H ₂ and C ₁ Sources	Chemistry A European Journal	2024
348	Chemistry	Dr. Manoj Raula	Photoactive metal chalcogenides towards CO ₂ reduction—a review	Colloid and Polymer Science	2024
349	Chemistry	Nishat Khan, Andras Sapi, Isha Arora, Suresh Sagadevan, Amrisha Chandra, Seema Garg	Photocatalytic CO ₂ reduction using metal and nonmetal doped TiO ₂ and its mechanism	Reaction Kinetics, Mechanisms and Catalysis	2024
350	Chemistry	Dr. Atanu Panda	Photoinduced Puffing with Large Volume Expansion and Photomechanical Motions induced by Topochemical [4+4] Reactions in Molecular Crystal Solvates	Chemistry-A European Journal	2024
351	Chemistry	Deepshikha Gupta	Phytochemical analysis of <i>Tinospora cordifolia</i> and <i>Withania somnifera</i> and their therapeutic activities with special reference to COVID-19	World Journal of Experimental Medicine	2024
352	Chemistry	Dr. Maumita Das Mukherjee	Polydopamine functionalized Ti ₃ AlC ₂ MAX based electrochemical biosensor for early and sensitive detection of <i>Mycobacterium tuberculosis</i>	Microchemical Journal	2024
353	Chemistry	Souvik Chatterjee	Ponderomotive potential effects on strong field two-photon double ionization in neon	Journal of Physics B	2024
354	Chemistry	Nirmal Kumar Katiyar	Positive changes in the mechanical and optical properties of the floor epoxy reinforced with green graphene	Polymer Composites	2024
355	Chemistry	Om narayan Agrawal, ^{†a} Hitesh Kumar Sharma, ^{‡b} Radhika Chaurasia, ^{‡a} Gaganjyoti Kaur Bakshi, ^c Aakanksha Agarwal, a Mousumi Sen, ^d Praveen Mamidala, e R. K. Dey, ^f Mukesh Chourasia* ^c and Monalisa Mukherjee	Propene-bridged cyanurate tetramers decorated on carbon nanosheets with antibacterial activity: insights from molecular modeling and in vitro studies	RSC Applied Interfaces	2024

356	Chemistry	Jyoti Gupta, Dhana Sai Shree Kandkuri, Sunita Rattan	Rapid chemiresistive detection of p-nitrophenol through Porphyrin-functionalized 2D materials: a step toward environmental monitoring	Journal of Materials Science	2024
357	Chemistry	Amrita Preetam, Arindam Modak, Satya Narayan Naik, Kamal Kishore Pant, Vivek Kumar	Realistic Approach for Recovering Gold from Waste Electronics by Thiourea Leaching and Adsorption Using a Covalent Porphyrin/Triphenylamine-Based Porous Polymer	ACS Applied Polymer Materials	2024
358	Chemistry	Deepshikha Gupta, Priyanka Roy, Rishabh Sharma, Richa Kasana, Pragati Rathore, Tejendra Kumar Gupta	Recent nanotheranostic approaches in cancer research	Clinical and Experimental Medicine	2024
359	Chemistry	Arindam Modak*	Recent Progress and Opportunity of Metal Single-Atom Catalysts for Biomass Conversion Reactions	Chemistry-An Asian Journal	2024
360	Chemistry	Deepshikha Gupta*, Dr Tejendra Kumar Gupta	Rethinking Nanoparticle Synthesis: A Sustainable Approach vs. Traditional Methods	Chemistry-An Asian Journal	2024
361	Chemistry	Kiran Bajaj	Rhodium-Catalyzed Functionalization and Annulation of N-Aryl Phthalazinediones with Allyl Alcohols	Chemistry - An Asian Journal	2024
362	Chemistry	Atanu Panda	Scalable nanoarchitectonics with microporous polymer composite for methanol-tolerant ORR electrocatalysts	Journal of Materials Chemistry A	2024

363	Chemistry	Shubham Thwal and Suman Majumder	Segregation disrupts the Arrhenius behavior of an isomerization reaction	Physical Rievew E	2024
364	Chemistry	Himanshu Singh a,1 , Aelton B Santos b,1 , Diptava Das a , Rushikesh S. Ambekar a , Prateek Saxena c , Cristiano F. Woellner b,* , Nirmal Kumar Katiyar a,d,**, Chandra Sekhar Tiwary a,**	Stress concentration targeted reinforcement using multi-material based 3D printing	Applied Materials Today	2024
365	Chemistry	Nancy Sharmaa, Yashneeti Mehtab, Parul Khuranac, Arvind Singhd, Sheenam Thataic*	SURFACE ENHANCED RAMAN SCATTERING SPECTROSCOPY: AN EFFECTIVE TOOL FOR DETECTION OF ENVIRONMENTAL POLLUTANTS	Plasmonics	2024
366	Chemistry	Deepshikha Gupta	Sustainable utilization of fruit and vegetable waste for the extraction of phenolics, antioxidants, and other valuables	Reaction Kinetics, Mechanisms and Catalysis	2024
367	Chemistry	Dr. Maumita Das Mukherjee	Synthesis and characterization of sustainable polyurethane-amide (PUA)-organoclay bio-nanocomposites for enhanced protective coatings	Journal of Molecular Structure,	2024
368	Chemistry	Dr. Aditi Sangal	Synthesis of Gold Nanoparticles and Their Applications in Cancer Therapy	Biointerface Research in Applied Chemistry	2024
369	Chemistry	Suman Majumder	Temperature and Viscosity Tune the Intermediates during the Collapse of a Polymer	Macromolecules	2024
370	Chemistry	Dr. Seema Garg	Unveiling sustainable, greener synthesis strategies and multifaceted applications of copper oxide nanoparticles	Journal of Molecular Structure	2024
371	Chemistry	Kumar Rakesh Ranjan	Unveiling the impact of dyes on aquatic ecosystems through zebrafish – A comprehensive review	Environmental Research	2024
372	Chemistry	Dr. Seema Garg	Visible light active bismuth chromate/curcuma longa heterostructure for enhancing photocatalytic activity.	Reaction Kinetics, Mechanisms and Catalysis,	2024
373	Chemsitry	Nirmal Kumar Katiyar, C S Tiwary	A Prospective on Energy and Environment Applications of High Entropy Alloys	<i>Transactions of the Indian National Academy of Engineering</i>	2024
374	Chemsitry	Pengfei Fan, Nirmal Kumar Katiyar, Muhammad Arshad, Mingwen Bai, Hui Mao, Saurav Goel,	Anisotropic plasticity mechanisms in a newly synthesised high entropy alloy investigated using atomic simulations and nanoindentation experiments,	Journal of Alloy and Compounds	2024

375	Chemistry	Damini Verma, Kumar Rakesh Ranjan, Pratima R. Solanki, Jay Singh, and Maumita Das Mukherjee	Review—Aptasensors: Cutting-Edge Technologies for Bisphenol A Detection as an Endocrine Disruptor	Journal of The Electrochemical Society	2024
376	Mathematics	Surbhi Gupta	A comprehensive review to find capabilities of 4D printing in implantable medical devices	Materialwissenschaft und Werkstofftechnik	2024
377	Mathematics	Ajay Sharma, Vishwakarma, P.N., Surbhi Gupta, Shubra Dixit, Kumar, S.R.	A comprehensive review to find capabilities of 4D printing in implantable medical devices Ein umfassender Überblick über die Möglichkeiten des 4D-Drucks bei implantierbaren medizinischen Geräten	Materialwissenschaft und Werkstofftechnik	2024
378	Mathematics	Amit Tripathi, Rachna Bhatia, Pratibha Joshi, Anand Kumar Tiwari	A Computational Study of Time Dependent Nonlinear Schrödinger Equation With Cubic Nonlinearity	Proceedings of the Tenth International Conference on Mathematics and Computing: ICMC 2024, Lecture Notes in Networks and Systems	2024
379	Mathematics	Dr. Pratibha Joshi	A Numerical Study of Newell-Whitehead-Segel Type Equations Using Fourth Order Cubic B-spline Collocation Method	Mathematics and Statistics	2024
380	Mathematics	Dr Rashmi Singh	A review of the application of fuzzy mathematical algorithm-based approach in autonomous vehicles and drones	International Journal of Intelligent Robotics and Applications	2024
381	Mathematics	Yadav, P., Singh, R., & Tiwari, S.	A STUDY ON NEAR RELATION IN SOFT EI-ALGEBRAS AND THE ES STRUCTURE FRAMEWORK OF SOFT SETS	Indian Journal of Mathematics	2024
382	Mathematics	Vijay Kumar	A sustainable ordering policies model with trade-credit for deteriorating items under the learning effect	T&F	2024
383	Mathematics	Yadav, P., Singh, R., & Tiwari, S.	An Extension of Soft Operations on Generalized Soft Subsets	Journal of Computational Analysis and Applications	2024
384	Mathematics	Dr Divya Agarwal*, Dr Shweta Upadhyaya	Analysis of Bulk Arrival Recurrent Queue with Active and Passive Breakdowns	Iranian Journal of Science	2024
385	Mathematics	Naina Arya, Sumit Kaur Bhatia, Deeksha Singhal, Rishika Chanian, Sudipa Chauhan	Analysis of infected single species population model with delay in polluted environment.	Nonlinear Studies	2024

386	Mathematics	Rachna Khurana, Shakuntla Singla, Vanita Garg, Diksha Mangla, Sushil Kumar, Maheshwar Pathak, Pratibha Joshi	Application of Laplacian Teaching Learning Algorithm for constrained and unconstrained optimization problems	IEEE	2024
387	Mathematics	Dr. Surbhi Gupta*, Dr. H.D Arora*, Dr. Anjali Naithani	Availability and cost analysis of a multistage, multi-evaporator type compressor	International journal of system assurance Engineering and Management	2024
388	Mathematics	Dr.Rupakshi Mishra Pandey	BOUNDARY VALUE PROBLEMS FOR CAPUTO-HADAMARD FRACTIONAL DIFFERENTIAL EQUATIONS ASSOCIATED WITH ATANGANA-BALEANU INTEGRAL	Bulletin of Mathematical Analysis and Applications	2024
389	Mathematics	S Kaur, S Maurya, S Shukla, B Dayanandan	Charged anisotropic fluid sphere in (Q) gravity satisfying Vaidya - Tikekar metric	New Astronomy	2024
390	Mathematics	Dr Shweta Upadhyaya	Cost Scrutiny of Discrete-time Priority Queue with Cluster Arrival and Bernoulli Feedback	OPSEARCH (Springer)	2024
391	Mathematics	Agarwal, D., Agarwal, R and Upadhyaya, S	Detection of optimal working vacation service rate for retrial priority G-queue with immediate Bernoulli feedback	Results in Control and Optimization (Elsevier)	2024
392	Mathematics	Dr. Sumit Kaur Bhatia	Dynamic analysis of a diabetes mathematical model including heredity parameter and multiple time delays	Nonlinear Dynamics	2024
393	Mathematics	Dr. Kuldeep Chaudhary	Economic evaluation of two-Strain covid-19 compartmental epidemic model with pharmaceutical and non-pharmaceutical interventions and spatio-temporal patterns	Results in Control and Optimization	2024
394	Mathematics	Dr. Sumit Kaur Bhatia	ECONOMIC IMPACT OF EPIDEMICS: MATHEMATICAL MODEL AND DYNAMICAL ANALYSIS	Commun. Math. Biol. Neurosci.	2024
395	Mathematics	Mittal, M., Chauhan, S.K., Rastogi, S.	Effect of Credit Financing on the Supply Chain for Imperfect Deteriorating Items with Carbon Emission	11th International Conference on Reliability, Infocom Technologies and Optimization (Trends and Future Directions), ICRITO 2024	2024
396	Mathematics	Dr. H.D Arora Dr. Anjali Naithani	Empirical evaluation of Pythagorean fuzzy entropy measures with application in decision making	International Journal of Information Technology	2024

397	Mathematics	Dr. PRAWAR Dr. ANJALI NAITHANI Dr. H. D. ARORA Dr. EKATA	Enhancing System Predictability and Profitability: The Importance of Reliability Modelling in Complex Systems and Aviation Industry	WSEAS TRANSACTIONS on MATHEMATICS	2024
398	Mathematics	Dr. H.D Arora Dr. Anjali Naithani	Evaluating performance of novel similarity measures of Pythagorean fuzzy sets and their applications in pattern recognition and medical diagnosis	International Journal of System Assurance Engineering and Management	2024
399	Mathematics	U Ujala, S Shukla, S. N. Pandey	Gravitational waves and electromagnetic field in a higher order theory of gravity	AIP Conf. Proc.	2024
400	Mathematics	Dr. H.D Arora	IMPACT OF TRIGONOMETRIC SIMILARITY MEASURES FOR PYTHAGOREAN FUZZY SETS AND THEIR APPLICATIONS	Yugoslav Journal of Operations Research	2024
401	Mathematics	Mittal, M., Pandey, J.T., Jain, M	Inventory Model for Imperfect Deteriorating Items Under Fuzzy Environment	11th International Conference on Reliability, Infocom Technologies and Optimization (Trends and Future Directions), ICRITO 2024	2024
402	Mathematics	Dr. Rishu Arora	Linguistic q-rung orthopair fuzzy Yager prioritized weighted geometric aggregation operator of Linguistic q-rung orthopair fuzzy numbers and its application to multiattribute group decision-making	Granular Computing	2024
403	Mathematics	Vijay Kumar	Machine learning technique for generation of human readable rules to detect software code smells in open-source software	Springer	2024
404	Mathematics	Dr. Pawan Kumar Sharma	Mathematical Analysis of Chemically Reacting Species and Radiation Effects on MHD Free Convective Flow Through a Rotating Porous Medium	Acta Mechanica et Automatica	2024
405	Mathematics	Dr. Sumit Kaur Bhatia	Mathematical modeling and dynamical analysis of an SPIR epidemic model with fuzzy parameters under environmental pollution	Modeling Earth Systems and Environment	2024
406	Mathematics	Nisha, Upadhyaya, S and ChandrShekhar.	Maximum entropy solution for MX/G/1 priority reiterate G-queue under working breakdown and working vacation	International Journal of Mathematical, Engineering and Management Sciences (IJMEMS)	2024

407	Mathematics	Dr.Vijay Kumar*, Dr. Kuldeep Chaudhary	Modeling Software Release Time and Software Patch Release Time Based on Testing Effort and Warranty	Journal of Reliability and Statistical Studies	2024
408	Mathematics	Dr. Rishu Arora	Multiattribute group decision-making based on weighted correlation coefficient of linguistic q-rung orthopair fuzzy sets and TOPSIS method	Granular Computing	2024
409	Mathematics	Dr.Vijay Kumar	Multi-release software: A decision making mathematical approach for analysing the impact of infected patch	Mathematics in Science, Engineering, and Aerospace (MESA)	2024
410	Mathematics	Dr. Surbhi Gupta	<u>On Existence of Prime K-Tuples Conjecture for Positive Proportion of Admissible K-Tuples</u>	Baghdad Science Journal	2024
411	Mathematics	Dr. H.D Arora	On some new fuzzy entropy measure of Pythagorean fuzzy sets for decision-making based on an extended TOPSIS approach	Journal of Management Analytics	2024
412	Mathematics	Dr Divya Agarwal	Optimisation of logistics operations in healthcare systems using predictive data analytics	International Journal of Logistics Systems and Management	2024
413	Mathematics	Dr Divya Agarwal	Optimizing Fresh Food Supply Chains: Leveraging 3PL for Carbon Reduction and Profit Maximization - A Game-Theoretic Analysis	IEEE International Conference on Electronics, Computing and Communication Technologies (CONECCT)	2024
414	Mathematics	Dr. Sumit Kaur Bhatia	Probing the effects of fiscal policy delays in macroeconomic IS–LMmodel	Computational and Applied Mathematics	2024
415	Mathematics	Ritu Bagri, Savin Treanta, Agarwal D. Sachdev Geeta	Robust duality in multi-dimensional vector fractional variational control problem	Opsearch	2024
416	Mathematics	Bhardwaj, N., Singh, R., Chaudhary, A., Sinha A, Kumar R	Statistical convergence of integral form of modified Szász–Mirakyan operators: an algorithm and an approach for possible applications	Journal of Inequalities and Applications	2024
417	Mathematics	Tandon, S., Kumar, V., & Singh, V. B.	Study of Code Smells: A Review and Research Agenda	International Journal of Mathematical, Engineering & Management Sciences	2024
418	Mathematics	Dr Divya Agarwal	Sufficiency and duality for complex multiobjective fractional programming involving cone constraints	Filomat	2024

419	Mathematics	Dr. Pratibha Joshi	Thermal Analysis of a FGM Coated Composite with Imperfect Contact under High-Temperature Exposure	Revue des Composites et des Matériaux Avancés	2024
420	Mathematics	Garg, M., Kumar, V., Chaudhary, K., Kapur P. K.	Uncertain differential equation based software belief reliability growth model (SBRGM) considering software patching	International Journal of System Assurance Engineering and Management	2024
421	Mathematics	Surbhi Gupta	Understanding the Limits and Regions of Exclusion in the Riemann Zeta Function: Application of Quantum Chaos	Evergreen	2024
422	Mathematics	S Kaur, S Mauya, S Shukla	Vaidya Tikekar type anisotropic fluid star in $f(\mathcal{R}, T)$ theory	AIP Conf. Proc.	2024
423	Physics	Dr. Pramila Shukla	A computational analysis of thermoelectric behaviour of d0 half-Heusler alloys GeKCa and GeKSr	The European Physical Journal Plus	2024
424	Physics	Chinnala Kalyani, Prashant Hitashi, Deepshikha Gupta, Rohit Verma, Manoj Raula, Gaurav Varshney and Tejendra K . Gupta	A Review on Hydrogels for Smart Drug Delivery Systems and their Mathematical Modelling	Current Materials Science	2024
425	Physics	Dr Bibhuti Parida	A simulation study of the GRAPES-3 sensitivity to primary cosmic ray composition with the expanded muon telescope	Proceedings of Science(POS)-SISSA	2024
426	Physics	Dr. Surbhi	A study on structural and electronic properties of WS ₂ /SnS ₂ composite thin films by CBD method	Chemical Physics Letters	2024
427	Physics	Shefali Kanwar	Analysis of Planning Risk Volume for Heart during Radiotherapy Delivery with Breath-Hold Technique for Carcinoma of Left Breast	Journal of Medical Physics	2024
428	Physics	Prof. Suresh Chandra	Aspects of non-topological soliton stars in a class of induced gravity theories	Journal of Physics A: Mathematical and Theoretical	2024
429	Physics	Dr. Gautam Singh	Carbon dots induced homeotropic alignment in a negative dielectric nematic liquid crystal material	Nano Express	2024
430	Physics	Satyendra Pratap Singh	Comparison of Refractive Indices of Binary Liquid Mixtures of Diethyl Carbonate and Some Alcohols Using Various Empirical and Semi-Empirical Rules	2024 2nd International Conference Computational and Characterization Techniques in Engineering and Sciences, IC3TES 2024	2024

431	Physics	Bibhuti Parida, Dharmender	Description of Z Boson Mass and pT Spectrum at LHC Using Leading-Order Event Generators at 13.6 TeV	Submitted to JHEP	2024
432	Physics	Dr R.S. Pandey	Design and Fabrication of Smart Drip Variable Hight Stand for Medical Application	Lecture Notes in Mechanical Engineering	2024
433	Physics	Dr Jyoti Katyal	Detailed Analysis of Size and Shape of TiN Nanostructure on Refractive Index-Based Sensor	Plasmonics	2024
434	Physics	Dr Satyendra Prata Singh	Detecting adulteration in mustard oil using low frequency dielectric spectroscopy	Research in Agricultural Engineering	2024
435	Physics	Satyendra Pratap Singh*, Dr. Sumit Kaur Bhatia	Detecting adulteration in mustard oil using low-frequency dielectric spectroscopy	Research in Agricultural Engineering	2024
436	Physics	Dr Rohit Verma	Development of a liquid crystal-based sensor utilizing EDTA-cyclodextrin polymer for real-time optical detection of methylene blue in natural water samples	Journal of Molecular Liquids	2024
437	Physics	Dr. Ravi Kant Choubey	Dielectric study of shellac composites through varying filler concentrations” 137, 3047–3057 (2024).	Reaction Ki-netics, Mechanisms and Catalysis	2024
438	Physics	Chitralekha, S. Gaurav,R. K. Kotnala, S. Shankar & A. P. Singh	Dielectric, Impedance, Magnetic and Magnetocapacitance Investigations in ferrite–manganite nanocomposites for Hydroelectric Cell applications	Emergent Materials	2024
439	Physics	Dr. Ravi Kant Choubey	Dr. Gaurav Sharma, Dr. Ravi Kant Choubey	Ceramics International	2024
440	Physics	Dr. Gautam Singh	Effect of alkyl chain length on the dielectric and electro-optical properties of graphene quantum dots doped cyanobiphenyl based nematic liquid crystals composites	Journal of Moelcular Liquids	2024
441	Physics	Dr. Gautam Singh	Effect of carbon dots on tuning molecular alignment, dielectric and electrical properties of a smectogenic cyanobiphenyl-based liquid crystal material	Journal of Physics D: Applied Physics	2024
442	Physics	Dr. Gautam Singh	Effect of CsPbBr3 perovskite quantum dots on molecular alignment, dielectric and memory effect of a cyanobiphenyl based liquid crystal	Journal of Molecular Liquids	2024

443	Physics	Priscilla P, Ashwani Kumar Singh, Praveen Malik, Sandeep Kumar, Supreet, Arvind K Gathania, Jai Prakash, Riccardo Castagna, Daniele Eugenio Lucchetta, Poonma Malik, Gautam Singh	Effect of doping of organo-soluble carbon dots on ionic relaxation and conductivity of planar anchored cyanobiphenyl based nematic liquid crystal	Journal of Molecular Structure	2024
444	Physics	Dr. Gautam Singh	Effect of doping with carbon dots on the alignment and dielectric properties of nematic liquid crystal 4-cyano-4'-pentylbiphenyl in ITO sample cells without conventional alignment layers for low-cost display applications	Journal of Molecular Structure	2024
445	Physics	Dr R.S. Pandey	Effect of electrostatic precipitator and turbulence creating devices on particulate matter	Reaction Kinetics, Mechanisms and Catalysis	2024
446	Physics	Asif Ali Ansari, Jai Prakash, Nidhi, Aafreen, Shikha Chauhan, Gautam Singh	Effect of Perovskite Quantum Dots on the Dielectric Properties of a Nematic Liquid Crystal Material	Indian Journal of Pure & Applied Physics	2024
447	Physics	Salma Shahni, Ajai K. Gupta and Renuka Bokoli	Effect of sintering temperature and time on the microstructure and ferroelectric properties of BCZT ceramics	Springer Proceedings in Physics	2024
448	Physics	Dr. Rohit Verma	Evaluation of the Treatment Planning and Delivery for Hip Implant Cases on Tomotherapy	Journal of Medical Physics	2024
449	Physics	Arun Kumar , Suhaas Gupta , Samrat Mukherjee , S. Gaurav , S. Shankar , Kamal Kumar Kushwah , Sujeet Kumar Mahobia , Abhineet Samadhiya , Stuti Tomar , Beer Pal Singh, Yogendra K. Gautam, Umesh Kumar Dwivedi, Sunil Kumar , Ravi Kant Choubey	Fabrication of enhanced performance Visible-light photodetector based on Ag/ZnS/p-Si/Ag heterojunction grown by chemical bath deposition	Materials Today Communications	2024
450	Physics	Dr. Surbhi	Facile Growth of Zinc Oxysulfide Nano Thin Film-based Visible Light Photosensor by Hydrothermal Method	ECS Journal of Solid State Science and Technology	2024
451	Physics	A Pathak, B. Parida, PK Mohanty et al	Geant-4 simulation study of cosmic ray muons with new muon telescope at Grapes-3 experiment	Springer Proceedings in Physics	2024

452	Physics	Dr Bibhuti Parida	Geant-4 Simulation Study of Cosmic Ray Muons with New Muon Telescope at GRAPES-3 Experiment	Springer Proc.Phys.	2024
453	Physics	Neha, Gautam Singh, Praveen Malik, Sanjeev Kumar, Ashwani Kumar, Rishi Pal, Bhavna Vidhani, Poonma Malik, Supreet	Greenly synthesized titanium dioxide nanoparticles for modulation of dielectric and electro-optical properties of nematic liquid crystal	Journal of Molecular Liquids	2024
454	Physics	Dr Ashok Kumar	Influence of Segment Shape Optimization Parameter in Radiotherapy Volumetric Modulated Arc Therapy Planning of Cervical Cancer	Iranian Journal of Medical Physics	2024
455	Physics	Dr. Gaurav Sharma	Investigating the multiferroic properties within triphasic systems to comprehend the mechanisms of water splitting	Ceramics International	2024
456	Physics	Dr. Gautam Singh	Investigation of deep relaxation mode in newly developed ferroelectric liquid crystal material	Chemical Engineering Journal	2024
457	Physics	Dr Bibhuti Parida	Measurements of polarization and spin correlation and observation of entanglement in top quark pairs using lepton+jets events from proton-proton collisions at 13 TeV	Physical Review D	2024
458	Physics	Chiranjib Konar, Shobha Kumari, Sabyasachi Pal, Ananda Hota	MODE OF ACCRETION AND JET POWER IN EPISODIC AGN JETS	Springer Nature	2024
459	Physics	N.Srivastava, B.Parida	Monte Carlo simulation study on Particle Production in proton-proton collisions at LHC energy	Springer Nature	2024
460	Physics	Dr. Gautam Singh	Morphology, dielectric, electro-optical and optical properties of diamond nanoparticle doped negative dielectric anisotropy liquid crystal	Journal of Molecular Liquids	2024
461	Physics	Dr Bibhuti Parida	Muon flux measurements and their angular distribution with the new muon telescope at GRAPES-3 experiment	PoS	2024
462	Physics	Dr Sanjeev K Srivastava	Optical Reflector and Selective Polarization Filter Based on 1D-Photonic Crystal Containing Si-YBCO Layer	Brazilian Journal of Physics	2024
463	Physics	V Kumar, Sanjeev K Srivastava and R Kumar	Optical Reflector and selective polarization filter based on 1d-photonic crystal containing Si-YBCO layer	Brazilian Journal of Physics	2024

464	Physics	Satyendra Pratap Singh	Optical, rheological, and dielectric properties of coconut oil between 100 kHz and 30 MHz	Heliyon	2024
465	Physics	Dr Bibhuti Parida	Performance of the CMS high-level trigger during LHC Run 2	Journal of Instrumentation	2024
466	Physics	Dr. Gautam Singh	Probing the impact of bent-core mesogen on the dielectric relaxations of ferroelectric liquid crystal	Journal of Molecular Structure	2024
467	Physics	Dr. Gautam Singh	Prolonged memory effect in smectic A phase of a thermotropic liquid crystal material	Optical Materials	2024
468	Physics	Satyendra Pratap Singh	Radio Frequency Treatment of Sesame Oilseed for Quality	Agricultural Science Digest	2024
469	Physics	Dr Satyendra Prata Singh	Radio Frequency Treatment of Sesame Oilseed for Quality Assessment	Agricultural Science Digest	2024
470	Physics	Dr Rohit Verma	Real-time optical detection of mercury contamination in drinking water using an amphiphilic recognition probe at liquid crystal/aqueous interfaces	Analytical Methods	2024
471	Physics	Dr Adarsh Kumar	Simulation Study of Some Characteristics of Single and Binary Stars Using MADSTAR, MESA, and NAAP Astronomical Tools	Springer Proceedings in Materials	2024
472	Physics	NIRUJ MOHANRAMANUJAM, PRASUNDUTTA, INDULEKHAKAVILA, MANONEETACHAKRABORTY, SAMIRDHURDE, ANANDAHOTA, CHIRANJIB KONAR, DIVYA OBEROI, MAMTA PANDEY-POMMIER and MAYURISATHYANARAYANARAO	Square Kilometre Array—India Consortium: Education and Public Outreach	Journal of Astrophysics and Astronomy	2024
473	Physics	Sharma Himanshu , Vinod Arun,Surbhi , Rathore, Mahendra Singh	Structural, Optical, and Electrical Properties of Tin-Doped CuS Nanoparticles for Photocatalytic Enhancement and Heterojunction Diode	Journal of Electronic Materials	2024
474	Physics	Dr. Ravi Kant Choubey	Study of derivatives of (E)-1-(3-aryl-1-phenyl-1H-pyrazol-4-yl)but-2-en-1-one for enhancing reduction efficiency of compost based microbial fuel cell	Applied Physics A: Materials Science & Processing	2024

475	Physics	Dr U C Srivastava	Study of Lattice Dynamical Properties of Lithium Bromide (LiBr)	High Technology Letters Journal	2024
476	Physics	Dr Bibhuti Parida	Study of the pT Spectrum of the Z Boson at LHC Using Leading-Order Event Generators	Springer Proc.Phys.	2024
477	Physics	Dharamender, B. Parida	Study of the pT Spectrum of the Z Boson at LHC Using Leading-Order Event Generators	Springer Proceedings in Physics	2024
478	Physics	Pratibha K , S. Shankar , S. Gaurav , Y. Dwivedi , Ravi Kant Choubey , Sunil Kumar	Synthesis and characterization of Dy-doped Zn ₂ SiAl ₂ O ₄ nanophosphor for color modulation in advanced lighting systems	Chemical Physics Impact	2024
479	Physics	Dr Satyendra Prata Singh	Synthesis, characterization, and study of photocatalytic degradation of aniline blue dye using copper oxide nanoparticles prepared by Santa Maria feverfew leaf extract	Nanotechnology for Environmental Engineering	2024
480	Physics	Dr. Gautam Singh	Tailoring the dielectric features of a cyanobiphenyl based liquid crystal using bismuth titanate (Bi ₂ Ti ₂ O ₇ /Bi ₄ Ti ₃ O ₁₂) nanocomposite	Indian Journal of Physics	2024
481	Physics	Rajesh Kumar, Rohith K. M., Shashank Pandey, Sanjeev K. Srivastava, and Gagan Kumar	Terahertz tunable band-stop filter using topological valley photonic crystals	Applied Optics	2024
482	Physics	Dr. Ravi Kant Choubey	Tin oxide nanoparticles-coated cathode for the detection of aqueous urea using compost based microbial fuel cell configuration	Journal of Materials Science: Materials in Electronics	2024
483	Physics	Lakshmi Dagar, Vijay Kumar Soni, and Adarsh Kumar	Two decadal (2003–2022) based trend analysis of aerosol optical depth (AOD) and its impact on cloud properties over a highly polluted region of India	Arabian Journal of Geo Sciences	2024
484	Physics	Dr. Gautam Singh	Unveiling molecular alignment, dielectric and electrical conductivity of an unaligned 4-octyl-4'-cyanobiphenyl liquid crystal doped with carbon dots	Colloids and Surfaces A: Physicochemical and Engineering Aspects	2024
485	Physics	Dr Adarsh Kumar	Variation of In-Situ Partial Pressures of Different Gases Over Southern Polar Region of Moon Utilizing Chandrayaan-2 Data.	Springer Proceedings in Materials	2024
486	Physics	Dr Adarsh Kumar	Variations of GNSS/GPS measured ionospheric TEC and solar wind plasma parameters during the total solar eclipse of 09 March 2016	Journal of the Indian Society of Remote Sensing	2024
487	Statistics	Dr. Niraj Kumar Singh	A Strategic Health Index for Maternal and Child Wellbeing in Uttar Pradesh using MCDM	International Journal of Agricultural and Statistical Sciences	2024

488	Statistics	Dr. Dheeraj Pawar	AI-Based Modeling of Leaf Miner Incidence in Tomato Crops at Rajahmundry, India	Library Progress International	2024
489	Statistics	Dr. Dheeraj Pawar	Cost-Effectiveness Analysis of a System of Distinguishable Subsystems with Repair Preference and Weather Conditions	Journal of Reliability and Statistical Studies	2024
490	Statistics	Dr. Dheeraj Pawar	Deep Learning and Statistical Models for Predicting Occurrence of YSB in Rice Based on Weather Parameters	African Journal of Biological Sciences	2024
491	Statistics	Dr. Niraj Kumar Singh	District-level Study of Uttar Pradesh Based on the MCDM Approach	Journal of Reliability and Statistical Studies	2024
492	Statistics	B Singh, I Alam, AA Rather, M Alam	Linear Combination of Order Statistics of Exponentiated Nadarajah–Haghighi Distribution and Their Applications	Lobachevskii Journal of Mathematics	2024
493	Statistics	Dr. Dheeraj Pawar	Optimizing Reliability of Parallel Systems: Prioritized Preventive Maintenance and Inspection	Communications on Applied Nonlinear Analysis	2024
494	Statistics	Dr. Dheeraj Pawar	Parameters and LSTM	Communications on Applied Nonlinear Analysis	2024
495	Statistics	Dr. Anu Sirohi	Penalized estimation in parametric frailty model	Helion	2024
496	Statistics	Anant P. Awasthi, Masood H Siddiqui	Performance Review of Major Packages in Light of Data Exchange Capabilities in R Ecosystem	Journal of Statistics Applications & Probability	2024
497	Statistics	Dr. Dheeraj Pawar	Predicting Yellow Stem Borer Occurrence in Rice Using Weather	Library Progress International	2024
498	Statistics	Dr. Dheeraj Pawar	Predicting Yellow Stem Borer Occurrence in Rice Using Weather Parameters and LSTM	Library Progress International	2024
499	Statistics	Dr. Niraj Kumar Singh	Spatial Clustering of Infant Mortality in Uttar Pradesh, India	International Journal of Agricultural and Statistical Sciences	2024
500	Statistics	Anant P. Awasthi, Niraj Kr Singh, Masood H Siddiqui, Aanchal A Awasthi	Memory Utilization in R: The Impact of Data Management Frameworks (Packages)	Journal of Statistics Applications and Probability	2024
501	Statistics	Satish Kumar Yadav, D. Pawar, Latika Yadav and Saurabh Tripathi	Modeling incidence of leaf miner in tomato in Rajendranagar (AP), India using machine learning techniques	African Journal of Biological Sciences	2024
502	Statistics	Satish Kumar Yadav, D. Pawar, Latika Yadav and Saurabh Tripathi	Predictive Analysis of Occurrence of Thrips in Tomato Subject to Weather Parameters Using Machine Learning Techniques	International Journal of Biosciences	2024

503	Chemistry	Jaibir Kherb	A novel and facile green synthesis of SiO ₂ nanoparticles for removal of toxic water pollutants	Applied Nanoscience (Switzerland)	2023
504	Chemistry	Manoj Raula	A review on chemical bath deposition of metal chalcogenide thin films for heterojunction solar cells	Journal of Materials Research	2023
505	Chemistry	Dr. Arindam Modak	A State-of-the-Art Review on the Technological Advancements for the Sustainable Management of Plastic Waste in Consort with the Generation of Energy and Value-Added Chemicals	Catalysis, MDPI	2023
506	Chemistry	Dr. Seema Garg	A sustainable approach for the removal of toxic 4-nitrophenol in the presence of H ₂ O ₂ using visible light active Bi ₂ MoO ₆ nanomaterial synthesized via continuous flow method	Reaction Kinetics, Mechanisms and Catalysis	2023
507	Chemistry	Dr. Arindam Modak	A trifunctional N-doped activated carbon–ceria shell, derived from covalent porphyrin polymers for promoting Pt activity in fuel cell cathode performance	Catalysis Science and Technology	2023
508	Chemistry	Prof. Christine Jeyaseelan	Activated carbon modified chitosan beads: An effective method for removal of Congo Red dye	<i>Materials Today: Proceedings</i>	2023
509	Chemistry	Dr. Sunita Rattan, Dr. Prachi Singhal	Advanced functional rGO@MoS ₂ @PEDOT: PSS multicomponent-based nanocomposite films for rapid and ultra-sensitive TNT detection	Materials Today Communications	2023
510	Chemistry	Dr. Souvik Chatterjee	Anti-relaxation coating-induced velocity-dependent population re-distribution in electromagnetically induced transparency	Applied Physics B	2023
511	Chemistry	Tejendra Gupta	Assessing thermo-mechanical and wetting properties of epoxy/SBA-15 nanocomposite	Journal of Materials Science	2023
512	Chemistry	M. Sen	Bioinspired and Green Synthesis of Nanostructures: A Sustainable Approach	Bioinspired and Green Synthesis of Nanostructures: a Sustainable Approach	2023
513	Chemistry	Dr. Seema Garg	Bismuth-Based nanophotocatalysts for environmental reintegration	Inorganic Chemistry Communications	2023
514	Chemistry	Tejendra Gupta	Chemical vapor deposition of ferrite thin films	Ferrite Nanostructured Magnetic Materials: Technologies and Applications	2023

515	Chemistry	Seema Garg	Demonstration of effectiveness: Plant extracts in the tuning of BiOX photocatalysts' activity	Catalysis Today	2023
516	Chemistry	Prof. Sunita Rattan, Dr. Prachi Singhal	Durable PP/EPDM/GF/SiO ₂ nanocomposites with improved strength and toughness for orthotic applications	Journal of the Mechanical Behavior of Biomedical Materials	2023
517	Chemistry	Sunita Rattan, Prachi Singhal	Effect of Nanoalumina on Physical and Thermal Properties of Polypropylene-Glass Fiber Reinforced Nanocomposites	Asian Journal of Chemistry	2023
518	Chemistry	Dr. Pratibha Sharma	Epoxy-based reflective adhesive for lamination of single-sided metallized film over glass fabric destined for its use as reflective layer in fire proximity clothing	Polymer Degradation and Stability (elsevier)	2023
519	Chemistry	Sangeeta Tiwari	Experimental investigation and optimization of morphological characteristics in mechanically agitated aluminium 6061-fly ash cenosphere composite	Materialwissenschaft und Werkstofftechnik	2023
520	Chemistry	Dr. Mousumi Sen	Exploring Carbon Nanosheets for Detoxification of Cr(VI)	Indian journal of Env. Protection	2023
521	Chemistry	Deepshikha Gupta, Tejendra Gupta	Functional nanoparticles as novel emerging antiviral therapeutic agents	Smart Nanomaterials to Combat the Spread of Viral Infections: Advanced Strategies for the Prevention of Viral Infections	2023
522	Chemistry	Jaibir Kherb	General preventive measures to control the transmission and COVID-19 pandemic management: a public outreach	Smart Nanomaterials to Combat the Spread of Viral Infections: Advanced Strategies for the Prevention of Viral Infections	2023
523	Chemistry	Dr Tejendra Kumar Gupta, Deepshikha Gupta	Green and sustainable synthesis of nanomaterials: Recent advancements and limitations	Environmental Research	2023
524	Chemistry	M. Sen	Green Synthesis: Introduction, Mechanism, and Effective Parameters	Bioinspired and Green Synthesis of Nanostructures: a Sustainable Approach	2023
525	Chemistry	Dr. Arindam Modak	High Yield Synthesis of Green Pyrolytic Oil via Thermal Cracking of Ricinoleic Acid Methyl Ester	ChemistrySelect	2023
526	Chemistry	Dr. Sangeeta Tiwari	Highly stable functionalized PAN/Zr nanofibrous mats for removal of ultralow concentrations of Hg (II)	<i>Functional Composites and Structure</i>	2023

527	Chemistry	Dr. Souvik Chatterjee	Light shift induced modification of electromagnetically induced resonances in atomic vapor	Optics Communication	2023
528	Chemistry	Dr Tejendra Kumar Gupta	Long length MWCNT/TPU composite materials for stretchable and wearable strain sensors	Sensors and Actuators A: Physical	2023
529	Chemistry	Dr. Seema Garg	Methodological Investigation of the Band Gap Determination of Solid Semiconductors via UV/Vis Spectroscopy	ChemPhotoChem	2023
530	Chemistry	Prof. Sunita Rattan, Dr. Prachi Singhal	Microwave Assisted Grafting of Polyethylene Membrane through Imidazolium and Pyridinium Moieties as Alkaline Anion Exchanger for Fuel Cell Applications	Chemical Data Collections	2023
531	Chemistry	Prof. Christine Jeyaseelan	Mining nutri-dense accessions from rice landraces of Assam, India	<i>Heliyon</i>	2023
532	Chemistry	Dr Shashi Chawla	Nanoceramics: Fabrication, properties and its applications towards the energy sector	Fuel	2023
533	Chemistry	Dr. Arindam Modak	Ni(II) and Cu(II) grafted porphyrin-pyrene based conjugated microporous polymers as bifunctional electrocatalysts for overall water splitting	Electrochimica Acta	2023
534	Chemistry	Deepshikha Gupta	Nitrogen Mustard: a Promising Class of Anti-Cancer Chemotherapeutics – a Review	Biointerface Research in Applied Chemistry	2023
535	Chemistry	Prof. Christine Jeyaseelan	Nitrogen Mustard: a Promising Class of Anti-Cancer Chemotherapeutics	<i>Biointerface Research in Applied Chemistry</i> ,	2023
536	Chemistry	Christine Jaysaleen, Deepshikha Gupta, Tejendra Gupta	Nonmetal oxide perovskite-based materials (carbon-based perovskites and halide-based perovskites)	Perovskite Metal Oxides: Synthesis, Properties, and Applications	2023
537	Chemistry	Prof. Sunita Rattan, Dr. Aditi sangal	Novel formulation for co-delivery of cinnamon- and cumin-loaded polymeric nanoparticles to enhance their oral bioavailability	3 Biotech	2023
538	Chemistry	Dr. Aditi Sangal	Novel formulation for co-delivery of cinnamon- and cumin-loaded polymeric nanoparticles to enhance their oral bioavailability	3 Biotech	2023
539	Chemistry	Dr. Arindam Modak	One-pot conversion of glucose to 5-hydroxymethylfurfural under aqueous conditions using acid/base bifunctional mesoporous silica catalyst	Renewable Energy	2023

540	Chemistry	Dr Kiran Bajaj	Palladium-Catalyzed Regioselective C-Arylation and C,N-Diarylation of N-Aryl-2,3-dihydrophthalazine-1,4-diones Using Diaryliodonium Salts	Synthesis	2023
541	Chemistry	Manoj Raula	Perovskite in catalysis and electrocatalysis	Perovskite Metal Oxides: Synthesis, Properties, and Applications	2023
542	Chemistry	Dr. Mousumi Sen	Recent Advances and Sustainable approaches	Nature Environment and Pollution Technology	2023
543	Chemistry	Dr. Maumita Das Mukherjee	Reduced Graphene Oxide-Polydopamine-Gold Nanoparticles: A Ternary Nanocomposite-Based Electrochemical Genosensor for Rapid and Early Mycobacterium tuberculosis Detection,	Biosensors,	2023
544	Chemistry	Dr Kiran Bajaj	Rhodium-Catalyzed Regioselective C3Ar Functionalization of Tyrosines with Maleimides and Its Late-Stage Peptide Exemplification	Organic Letters	2023
545	Chemistry	Dr Kiran Bajaj	Rhodium-Catalyzed Regioselective C7Ar-Functionalization of Tryptophan with Quinones and its Late Stage Peptide Exemplification	Asian Journal of Organic Chemistry	2023
546	Chemistry	Rakesh Ranjan, Maumita	Role of nanobiotechnology in maintaining a hygienic environment for the livestock	Nanobiotechnology for the Livestock Industry: Animal Health and Nutrition	2023
547	Chemistry	Dr Tejendra Kumar Gupta	Study of time-resolved photoluminescence decay curves in Al-doped ZnO and Eu-doped Cd _{1-x} Zn _x S nanophosphors	Applied Physics A	2023
548	Chemistry	Dr Pratibha Sharma	Sustainable Upcycling of Nitrogen-Enriched Polybenzoxazine Thermosets into Nitrogen-Doped Carbon Materials for Contriving High-Performance Supercapacitors.	Energy & Fuels (ACS)	2023
549	Chemistry	Anita Gupta	Synthesis and Applications of Magnetic Nanoparticles: A Review	Modern Magnetic Materials: Properties and Applications	2023
550	Chemistry	Dr Kiran Bajaj	Synthesis of modified bile acids via palladium-catalyzed C(sp ³)-H (hetero)arylation	Organic & Biomolecular Chemistry	2023
551	Chemistry	Dr. Sheenam Thatai	Synthesis of Silica Spherical to Y-Shape Nanoparticles: A Review with Surface Modifications and Its Characterization	Analytical Chemistry Letters	2023

552	Chemistry	Dr Kiran Bajaj	Tandem Transformation of Indazolones to Quinazolinones through Pd-Catalyzed Carbene Insertion into an N–N Bond	The Journal of Organic Chemistry	2023
553	Chemistry	Dr. Suman Majumder	The role of magnetization in phase-ordering kinetics of the short-range and long-range Ising model	The European Physical Journal Special Topics	2023
554	Chemistry	Shashi Chawla	Trajectory in biological metal-organic frameworks: Biosensing and sustainable strategies-perspectives and challenges	International Journal of Biological Macromolecules	2023
555	Chemistry	Nirmal Kumar Katiyar	Understanding the evolution of catalytically active multi-metal sites in a bifunctional high-entropy alloy electrocatalyst for zinc-air battery application	Energy Advances	2023
556	Chemistry	Dr Christine Jeyaseelan	Yeast-Mediated Biomass Valorization for biofuel production: A literature review.	Fermentation	2023
557	Chemistry, Physics	Deepshikha Gupta, Tejendra Gupta, Rohit Verma	Carbon Nanotubes and Graphene-Based Sensors for Human and Structural Health Monitoring	Emerging Applications of Carbon Nanotubes and Graphene	2023
558	Chemistry	Nirmal Kumar Katiyar	A resistance-driven H ₂ gas sensor: high-entropy alloy nanoparticles decorated 2D MoS ₂	Nano Scale	2023
559	Chemistry	Dr. Kumar Rakesh Ranjan	Luminous Insights: Exploring Organic Fluorescent “Turn-On” Chemosensors for Metal-Ion (Cu ²⁺ , Al ³⁺ , Zn ²⁺ , Fe ³⁺) Detection	Journal of Fluorescence	2023
560	Chemistry	Dr. Kumar Rakesh Ranjan, Dr. Maumita Das Mukherjee	Mxene-based nanocomposites for biosensing: Recent developments and future prospects	FlatChem	2023
561	Chemistry	Nirmal Kumar Katiyar	Unleashing Enhanced Compressive Strength: 3D Printed Octopus-Inspired Suction Cups using topological engineering	ACS Applied Polymer Materials	2023
562	Mathematics	Prof. Vijay Kumar	A hybrid novel fuzzy AHP-TOPSIS technique for selecting parameter-influencing testing in software development	Decision Analytics Journal	2023
563	Mathematics	H. D. Arora, Dr. Anjali Naithani	A Multi-Criteria Decision Approach using Divergence Measures for Selection of the Best COVID-19 Vaccine	Springer Proceedings in Mathematics and Statistics	2023
564	Mathematics	H. D. Arora, Dr. Anjali Naithani	A new definition for quartic fuzzy sets with hesitation grade applied to multi-criteria decision-making problems under uncertainty	Decision Analytics Journal	2023

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566	Mathematics	Dr. Abhinava Srivastav	A special phenomenon of wave interactions: An application of nonlinear evolution equation in (3+ 1)-dimension	Communications in Nonlinear Science and Numerical Simulation	2023
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569	Mathematics	Prof. (Dr.) Mandeep Mittal	A Sustainable Green Supply Chain Model with Carbon Emissions for Defective Items under Learning in a Fuzzy Environment	Journal of Mathematics	2023
570	Mathematics	Prof. (Dr.) Mandeep Mittal, Riju Chaudhary	A Sustainable Inventory Model for Defective Items under Fuzzy Environment	Decision Analytics Journal	2023
571	Mathematics	Jayanti Pandey	Advanced Statistical, Mathematical and Computational Techniques with Case Studies/Comparative Study of Rough Sets for Decision Making in $\mathbb{R}$ Approximation Space: A New Approach	Advances in Pure and Applied Algebra	2023
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573	Mathematics	Prof. Vijay Kumar	An optimal software enhancement and customer growth model	International Journal of Quality & Reliability Management	2023
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575	Mathematics	Dr Sacheendra Shukla	Anisotropic fluid solution in $f(R)$ gravity satisfying vanishing complexity factor	Physica Scripta	2023
576	Mathematics	Dr. Rupakshi Mishra Pandey	Applications of Elzaki decomposition method to fractional relaxation-oscillation and fractional biological population equations	Applied Mathematics in Science and Engineering	2023

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579	Mathematics	Dr Divya Agarwal, Dr Shweta Upadhyaya	Cost optimisation of a heterogeneous server queueing system with working breakdown using PSO	International Journal of Mathematics in Operational Research	2023
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581	Mathematics	Prof. (Dr.) Mandeep Mittal	Designing obstacle's map of an unknown place using autonomous drone navigation and web services	International Journal of Pervasive Computing and Communications	2023
582	Mathematics	Dr. Sumit Kaur Bhatia	Different Variants of Bernstein Kantorovich Operators and Their Applications in Sciences and Engineering Field	CHAOS Theory and Applications	2023
583	Mathematics	Riju Chaudhary	Diseased Predator–Prey Model Incorporating Herd Behaviour in Prey: A Study Under an Alternative Food Source Scenario.	In Mathematical and Computational Modelling of Covid-19 Transmission (pp. 197-214).	2023
584	Mathematics	Dr. Kuldeep Chaudhary	Dynamic Advertising-based Goodwill Incorporating Fuzzy Environment in Segment-Specific Market	International Journal of Mathematical, Engineering and Management Sciences	2023
585	Mathematics	Dr. Sumit Kaur Bhatia	Dynamics of delayed competition model under the influence of pollution and disease	Mathematics in Science, Engineering and Aerospace (MESA)-Non linear Studies	2023
586	Mathematics	Dr Lovely Jain	Effect of Blood Viscosity Variation on the Flow of Blood in an Artery Having Time Dependent Stenosis	Contemporary Mathematics	2023
587	Mathematics	Prof. Vijay Kumar, Dr. Sumit Kaur Bhatia	Effects of Incorporating Double Time Delays in an Investment Savings-Liquidity Preference Money Supply (IS-LM) Model	International Journal of Bifurcation and Chaos	2023
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592	Mathematics	Dr. Sumit Kaur Bhatia	Impact of fiscal policy delays on the system dynamics of IS-LM model: A mathematical model approach	Results in Control and Optimization	2023
593	Mathematics	Kuldeep Chaudhary	Impact of Goodwill on Consumer Buying through Advertising in a Segmented Market: An Optimal Control Theoretic Approach	Axioms	2023
594	Mathematics	Dr. Surbhi Gupta	Implementing the Algebra of Logic Approach to Analyse the Stochastic Behaviour of an Industrial Ice Cream Plant	Evergreen Journal	2023
595	Mathematics	Prof. (Dr.) Mandeep Mittal	Joint Decisions on Imperfect Production Process and Carbon Emission Reduction Under Carbon Regulations.	Springer Proceedings in Mathematics & Statistics book series (PROMS, Volume 410)	2023
596	Mathematics	Dr. Sumit Kaur Bhatia	King Type (p,q) -Bernstein Schurer Operators	Thai Journal of Mathematics	2023
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598	Mathematics	Prof. Vijay Kumar	Impact of Goodwill on Consumer Buying through Advertising in a Segmented Market: An Optimal Control Theoretic Approach		2023
599	Mathematics	Dr Ritu Gupta	Multi-Release Software Reliability Assessment: Testing Coverage Based Approach	International Journal of Mathematics & Operation Research (IJMOR)	2023
600	Mathematics	H. D. Arora, Dr. Anjali Naithani	Novel pythagorean fuzzy entropy-distance measures using MCDM in the selection of face masks	Advances in Soft Computing Applications	2023
601	Mathematics	Dr. Rupakshi Mishra Pandey	On Bessel-Maitland Function and m-Parameter Mittag-Leffler Function Associated with Fractional Calculus Operators and its Applications	Applied Mathematics & Information Sciences An International Journal	2023

602	Mathematics	Dr. Surbhi Gupta	On Existence of Prime K-Tuples Conjecture for Positive Proportion of Admissible K-Tuples	Baghdad Science Journal	2023
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604	Mathematics	Rupakshi Mishra Pandey	On some new inequalities and fractional kinetic equations associated with extended Gauss hypergeometric and confluent hypergeometric function	International Journal of Mathematics for Industry	2023
605	Mathematics	Dr. H. D. Arora, Dr. Anjali Naithani, Dr. Surbhi Gupta	OPTIMAL SOFTWARE RELIABILITY PREDICTION USING CRITERIA WEIGHTS UNDER FUZZY DECISION-MAKING APPROACH	Reliability: Theory and Applications	2023
606	Mathematics	Dr Divya Agarwal, Dr Shweta Upadhyaya	Optimization of a stochastic model having erratic server with immediate or delayed repair	Annals of Operations Research	2023
607	Mathematics	Jayanti Tripathi Pandey	Optimizing Inventory Management: A Comprehensive Analysis of Models Integrating Diverse Fuzzy Demand Functions	Mathematics	2023
608	Mathematics	Dr. Surbhi Gupta	Performance assessment of metal sheet manufacturing plant using Boolean function technique	Material Today Proceedings	2023
609	Mathematics	Dr Divya Agarwal, Dr Shweta Upadhyaya	Queueing and Reliability Analysis of Unreliable Multi-server Retrial queue with Bernoulli feedback	Carpathian Journal of Mathematics	2023
610	Mathematics	Dr. Surbhi Gupta	Reliability Estimation of a degradable system using intuitionistic fuzzy Weibull life time Distribution	Evergreen Journal	2023
611	Mathematics	Amit Tomar	Similarity Solution for a System of Fractional-Order Coupled Nonlinear Hirota Equations with Conservation Laws	Mathematics	2023
612	Mathematics	Dr. Sumit Kaur Bhatia	SIRC epidemic model with cross-immunity and multiple time delays	Journal of Mathematical Biology	2023
613	Mathematics	Dr. H. D. Arora, Dr. Anjali Naithani	Some distance measures for triangular fuzzy numbers under technique for order of preference by similarity to ideal solution environment	OPSEARCH	2023
614	Mathematics	Dr. H. D. Arora, Dr. Anjali Naithani	Some New Correlation Coefficient Measures Based on Fermatean Fuzzy Sets using Decision Making Approach in Pattern Analysis and Supplier Selection	International Journal of Mathematical, Engineering and Management Sciences	2023
615	Mathematics	Rupakshi Mishra Pandey	Some Results of Extended τ -Gauss Hypergeometric Function and τ -Kummer Hypergeometric Function by Using Wiman's Function	Poincare Journal of Analysis and Applications	2023

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619	Mathematics	Dr Shweta Upadhyaya	Unwillingness for vaccination in India: Real-life data application with queueing analysis of Covid-19 mode	Mathematics in Science, Engineering and Aerospace (MESA)-Non linear Studies	2023
620	Physics	Dr G N Pandey	Structural confirmation and spectroscopic signature of N-Allyl-2-hydroxy-5-methyl-3-oxo-2, 3-dihydrobenzofuran-2-carboxamide and its monohydrate cluster.	Journal of Molecular Structure	2023
621	Physics	Pramila Shukla	A DFT+U Based Study of Full-Heusler Alloy Ru ₂ VSi	Macromolecular Symposia	2023
622	Physics	Ravi Kant Choubey	Antibacterial studies of ZnO and silica capped manganese doped zinc sulphide nanostructures	Applied Physics A: Materials Science and Processing,	2023
623	Physics	Pramila Shukla	Atomic Squeezing in a M Two-Level Atoms System	Nonlinear Optics Quantum Optics	2023
624	Physics	Dr Sanjeev K Srivstava	Bandgaps of microwave photonic crystals: Study of quasi-periodic metamaterial multilayers	Materials Science and Engineering: ADVANCED FUNCTIONAL SOLID-STATE MATERIALS	2023
625	Physics	Gagan Sharma	Boron migration during amorphous to crystalline transformation in CoFeB/MgO multilayers: A reflectivity study	Materials Research Bulletin	2023
626	Physics	Dr. Gaurav Sharma, Dr. Rohit Verma	Carbon Footprint Analysis of Green Composites	Sustainability of Green and Eco-friendly Composites	2023
627	Physics	Dr U C Srivastava	Characterization of Platinum (Pt) Based Nanocomposite Thin Films	Oriental Journal of Chemistry	2023
628	Physics	R S Pandey	Comment on “Interaction of Ion Cyclotron Electromagnetic Wave with Energetic Particles in the Existence of Alternating Electric Field Using Ring Distribution” by Shukla KN, Kumari J, Pandey RS	Journal of Astronomy and Space Sciences	2023

629	Physics	Gagan Sharma/KavitaSharma	Cu interfaced Fe/Pt multilayer with improved (001) texture, enhanced L10 transformation kinetics and high magnetic anisotropy	Journal of Magnetism and Magnetic Materials	2023
630	Physics	Venkatesh Mishra, Satyendra Pratap Singh, Mamta Singh, Vishal Singh Chandel, Rajiv Manohar,	Dielectric Study of Two Medicinal Oils: Castor Oil and Wheat Oil	Materials Today: Proceedings	2023
631	Physics	Jyoti Katyal	Effect of Monomers and mUltimers of Gold Nanostars on localised surface plasmon resonace and Field enhancement,	Plasmonic	2023
632	Physics	S.P. Singh	Effect of Zn Doping on Structural/Microstructural, Surface Topography, and Dielectric Properties of Bi2Fe4O9 Polycrystalline Nanomaterials	ACS Omega	2023
633	Physics	Dr. Ashok Kumar	Energetic neutral particle generation by laser using gold nanorod embedded CH foil	The European Physical Journal D	2023
634	Physics	Dr G N Pandey	Enhanced Dielectric and Electrical Properties of Polystyrene-2% divinyl benzene (PDB) embedded in SrTiO3-Poly (vinylidene fluoride) Three Phase Composite Films	<i>International Journal for Light and Electron Optics</i>	2023
635	Physics	Dr. Gautam Singh	Evidence of cholesterol crystallization along with smectic layers in ferroelectric liquid crystal	Journal of Molecular Liquids	2023
636	Physics	Ravi Kant Choubey	Faults Diagnosis Using AI and ML	Artificial Intelligence Techniques in Power Systems Operations and Analysis	2023
637	Physics	U. C. Srivastava	Green synthesis of nanostructures from rice straw food waste to improve the antimicrobial efficiency: New insight	International Journal of Food Microbiology	2023
638	Physics	Dr. Gautam Singh	Indium tin oxide nanoparticles induced molecular rearrangement in nematic liquid crystal material	Journal of Molecular Liquids	2023
639	Physics	Dr. Gautam Singh	Indium tin oxide nanoparticles induced tunable dual alignment in nematic liquid crystal	Journal of Molecular Liquids	2023
640	Physics	Dr. Ashok Kumar	Intense laser pulse interaction with a nanofoil and generation of energetic protons in underdense upstream plasma	European Physical Journal D	2023

641	Physics	Prof.R.S. Pandey	Interaction of Ion Cyclotron Electromagnetic Wave with Energetic Particles in the Existence of Alternating Electric Field Using Ring	Distribution. J. Astron. Space Sci.	2023
642	Physics	Dr. Ashok Kumar	Investigating the Influence of Minimum Segment Width in Volumetric-modulated Arc Planning of Prostate Cancer	Turkish Journal of Oncology	2023
643	Physics	Dr. Gaurav Sharma	Investigations on spectroscopic and optothermal ability of bright red-emitting Cr doped LiAlSi3O8 nanophosphor	Optix	2023
644	Physics	Dr U C Srivastava	Lattice dynamical study and ultrasonic properties of thorium carbide (ThC)	Scope Journal	2023
645	Physics	Dr. Gaurav Sharma, Rohit Verma	Life Cycle Assessment of Eco-Friendly Composites	Sustainability of Green and Eco-friendly Composites	2023
646	Physics	Dr. Gautam Singh	Light-Controlled Rotational Speed of an Acoustically Levitating Photomobile Polymer Film	Materials	2023
647	Physics	Dr. A K Shukla	Luminescence intensity ratio based wide range contactless temperature sensing properties of Er ³⁺ /Yb ³⁺ ions co-doped La ₂ Ti ₂ O ₇ ceramics	JOURNAL OF Alloys and Compounds	2023
648	Physics	Surbhi Malik	MOLECULAR GEOMETRY, HOMO-LUMO ANALYSIS AND MULLIKEN CHARGE DISTRIBUTION OF 2,6-DICHLORO-4-FLUORO PHENOL USING DFT AND HF METHOD	East European Journal of Physics	2023
649	Physics	Dr Shivani	Multi States Swapping and Entanglement Diversion	Nonlinear Optics Quantum Optics	2023
650	Physics	R. Kataria, B. Parida, PK Mohanty et al	Muon flux measurements and their angular distribution with the new muon telescope at GRAPES-3 experiment	Proceedings of Science(POS)-SISSA	2023
651	Physics	Dr. Pramila Shukla	Observation of Amplitude Squared Squeezing in a System of Multi Two-Level Atoms	Nonlinear Optics Quantum Optics	2023
652	Physics	Dr. Gaurav Sharma	Photophysical and temperature dependent analysis of Sm activated LiAlSi3O8 nanophosphor	Journal of Luminescence	2023
653	Physics	Dr.Jyoti Katyal	Plasmon Tunability and Field Enhancement of Gold Nanostar	Nanoscience and Nanotechnology - Asia	2023
654	Physics	Suresh Chandra	Potential spectral lines of ethanimine (CH ₃ CHNH) - an important possible precursor of amino acids	New Astronomy	2023

655	Physics	Suresh Chandra	Predictions of gas-phase methanimine (CH_2NH) abundance in cold cores	Monthly Notices of the Royal Astronomical Society	2023
656	Physics	Dr. Ashok Kumar	Rayleigh-Taylor instability of radiation pressure driven foils: 2D effects	Physica Scripta	2023
657	Physics	Dr. Gautam Singh	Recent advances and future perspectives of photoluminescent liquid crystals and their nanocomposites for emissive displays and other tunable photonic devices	Journal of Molecular Liquids	2023
658	Physics	Dr. Gautam Singh	Recent advances and future perspectives on nanoparticles-controlled alignment of liquid crystals for displays and other photonic devices	Critical Reviews in Solid State and Materials Sciences	2023
659	Physics	Jyoti Katyal	Responsive PNIPAM coated Au core-shell nanoparticle for optical sensing,	Bulgarian Chemical Communications,	2023
660	Physics	Dr Anoop Kumar Shukla	Rietveld refined structural, dielectric, and impedance properties of lead-free $1-x(\text{K}_{0.4}\text{Na}_{0.6}\text{Nb}_{0.96}\text{Sb}_{0.04}\text{O}_3)-x(\text{Bi}_{0.5}\text{K}_{0.5}\text{TiO}_3)$ ($0.00 \leq x \leq 0.07$) composites	JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS	2023
661	Physics	Dr Shivani	Simulating LiH on IBM Qiskit	Nonlinear Optics Quantum Optics	2023
662	Physics	Suresh Chandra	Sobolev analysis of methanimine with large number of levels: requirement of collisional rate coefficients	Indian Journal of Physics	2023
663	Physics	Surbhi	Stirring effect of CuS deposition over cotton thread for photocatalysis and electrical application	Chemical Physics Impact	2023
664	Physics	Dr. Ravi Kant Choubey	Study of time-resolved photoluminescence decay curves in Al-doped ZnO and Eu-doped $\text{Cd}_{1-x}\text{Zn}_x\text{S}$ nanophosphors	Applied Physics A: Materials Science & Processing	2023
665	Physics	Dr Shivani A Kumar	Subdivision of Measurement Results of Entanglement Swapping	Nonlinear Optics Quantum Optics-CONCEPTS IN MODERN OPTICS	2023
666	Physics	Dr. Gaurav Sharma, Dr. Rohit Verma	Sustainable Green Composites for Packaging Applications	Sustainability of Green and Eco-friendly Composites	2023
667	Physics	Gagan Sharma/Kavita Sharma	Ta interfaced CoFeB: Role of CoFeB thickness and thermal annealing in modification of structural and magnetic properties	Surfaces and Interfaces	2023
668	Physics	Dr U C Srivastava	Thermophysical and lattice vibrational study of thorium telluride (ThTe) by use of three-body force shell model	International Journal of Modern Physics B	2023

669	Physics	Dr Rohit Verma	To study the Multimodality End-to-end Testing for Bilateral Metallic Implant in Pelvis	TURKISH JOURNAL of ONCOLOGY	2023
670	Physics	Dr. Gautam Singh	Tunable dielectric and memory features of ferroelectric layered perovskite Bi ₄ Ti ₃ O ₁₂ nanoparticles doped nematic liquid crystal composite	Journal of Molecular Liquids	2023
671	Physics	Dr. Gautam Singh	Tunable optical, electro-optical and dielectric properties of eco-friendly graphene quantum dots-nematic liquid crystal composites	Liquid Crystals	2023
672	Physics	Dr U C Srivastava	Ultrasonic and Thermophysical Properties of Potassium Halides Crystals	Journal of Physical Science	2023
673	Statistics	Dr. Anu Sirohi	Biased proportional hazard regression estimator in the existence of collinearity	Helion	2023
674	Statistics	Dr. Niraj Kumar Singh	Development of ionic liquid-capped carbon dots derived from Tecoma stans (L.) Juss. ex Kunth: Combatting bacterial pathogens in diabetic foot ulcer pus swabs, targeting both standard and multi-drug resistant strains	South African Journal of Botany	2023
675	Statistics	Karthick S; B. Anjane Kumar; Puneet Sethi; Niraj Kr Singh; Supriya Srivastava; P Vishnu Prasanth	Optimization Models and Educational Teaching Research in Agricultural Logistics System		2023
676	Statistics	Dr. Bavita Singh	Relations For Moments Of Log-Kumaraswamy Distribution Based On Generalized Order Statistics And Associated Inferences	Applied Mathematics E-Notes	2023
677	Chemistry	A. AGARWAL ¹ , M. SEN ² , and M. KANT	Effective Bioremediation of Zinc(II) with Fusarium sp. in Batch and Continuous Studies	Asian Journal of Chemistry	2022
678	Mathematics	Payal Rana, Dinkar Jha, Sudipa Chauhan	Dynamical Analysis on Two Dose Vaccines in the Presence of Media	JORNAL OF COMPUTATIONAL ANALYSIS AND APPLICATIONS	2022

679	Mathematics	Olcay Akman, Sudipa Chauhan , Aditi Ghosh , Sara Liesman, Edwin Michael, Anuj Mubayi , Rebecca Perlin , Padmanabhan Seshaiyer, Jai Prakash Tripathi	The Hard Lessons and Shifting Modeling Trends of COVID-19 Dynamics: Multiresolution Modeling Approach	Bulletin of Mathematical Biology	2022
680	Physics	Depanshu Varshney, Anu, Jai Prakash, Vinay Pratap Singh, Kamlesh Yadav and Gautam Singh	Probing the impact of bismuth-titanate based nanocomposite on the dielectric and electro-optical features of a nematic liquid crystal material	Journal of Molecular Liquids	2022
681	Physics	Ajay Kumar, Priyam, Harikesh Meena, Jai Prakash, Ling Wang and Gautam Singh	Recent advances on semiconducting nanomaterials–ferroelectric liquid crystals nanocomposites	Journal of Physics: Condensed Matter	2022
682	Physics	Ajay Kumar, Dharmendra Pratap Singh and Gautam Singh	Recent progress and future perspectives on carbon- nanomaterial-dispersed liquid crystal composites	Journal of Physics D: Applied Physics	2022
683	Chemistry	Manoj Kumar, Sushil K Pandey and Deepshikha Gupta	A convenient cascade strategy towards the synthesis of novel substituted morpholinopyrimidines and pyrimidooxazapines	Letters in Organic Chemistry	2021
684	Chemistry	Mehra, S., Nisar, S., Chauhan, S., ...Singh, V., Rattan, S	A dual stimuli responsive natural polymer based superabsorbent hydrogel engineered through a novel cross-linker	Polymer Chemistry	2021
685	Chemistry	Christine Jeyaseelan, Antil Jain, Ravin Jugade	A GREEN METHOD FOR THE REMOVAL OF ZINC(II) IONS FROM WASTEWATER USING MODIFIED BIOPOLYMERS	Progress on Chemistry and Application of Chitin and its Derivatives	2021
686	Chemistry	Sharma, V.K., Barde, A., Rattan, S.	A short review on synthetic strategies toward glitazone drugs	Synthetic Communications	2021
687	Chemistry	Hema Bhandari, Seema Garg, Ritu Gaba	Advanced Nanocomposites for Removal of Heavy Metals from Wastewater	Macromolecular Symposia	2021
688	Chemistry	Sachchidanand Soaham Gupta, Vivek Mishra, Maumita Das Mukherjee, Parveen Saini, Kumar Rakesh Ranjan	Amino acid derived biopolymers: Recent advances and biomedical applications	International Journal of Biological Macromolecules	2021
689	Chemistry	Gupta, S.S., Mishra, V., Mukherjee, M.D., Saini, P., Ranjan, K.R.	Amino acid derived biopolymers: Recent advances and biomedical applications	International Journal of Biological Macromolecules	2021

690	Chemistry	Nikita Sharma, abZsolt Papac, István Székely, Monica Focsan, Gábor Karacs, Zoltan Nemeth, bSeema Garg, gKlara Hernadi	Combination of iodine-deficient BiOI phases in the presence of CNT to enhance photocatalytic activity towards phenol decomposition under visible light	Applied Surface Science	2021
691	Chemistry	Shubhangi Madan, Urvashi Thapa, Sangeeta Tiwari, Sandeep Kumar Tiwari, Suresh Kumar Jakka, Manuel Jorge Soares	Designing of a nanoscale zerovalent iron@ fly ash composite as efficient and sustainable adsorbents for hexavalent chromium (Cr (VI)) from water	Environmental Science and Pollution Research	2021
692	Chemistry	Damini Verma, Deepika Chauhan, Maumita Das Mukherjee, Kumar Rakesh Ranjan, Amit K. Yadav, Pratima R. Solanki	Development of MWCNT decorated with green synthesized AgNps-based electrochemical sensor for highly sensitive detection of BPA	Journal of Applied Electrochemistry	2021
693	Chemistry	Harshita Chawla, Meghna Saha, Sumant Upadhyay, Jyoti Rohillac, Pravin Popinand Ingole, Andras Sapi, Imre Szent, Mohit Yadav, Vasily T. Lebedev, Amrisha Chandra, Seema Garga*	Enhanced photocatalytic activity and easy recovery of visible light active MoSe ₂ /BiVO ₄ heterojunction immobilized on Luffa Cylindrica- Experimental and DFT study	Environmental Science: Nano	2021
694	Chemistry	Suresh Sagadevan, Jayasingh Anita Lett, Getu Kassegn Weldegebrical, Seema Garg, Won-Chun Oh, Nor Aliya Hamizi and Mohd Rafie Johan	Enhanced Photocatalytic Activity of rGO-CuO Nanocomposites for the Degradation of Organic Pollutants	Catalysts	2021
695	Chemistry	Damini Verma, Amit K. Yadav, Maumita Das Mukherjee, Pratima R. Solanki	Fabrication of a sensitive electrochemical sensor platform using reduced graphene oxide-molybdenum trioxide nanocomposite for BPA detection: An endocrine disruptor	Journal of Environmental Chemical Engineering	2021
696	Chemistry	Monika Mishra, Avinash Pratap Singh, Manish Kumar, Tejendra Kumar Gupta, Hema Bhandari, Mahesh Chand	Investigation of the microwave absorbing properties on polymer sheets	Journal of Materials Science: Materials in Electronics	2021

697	Chemistry	Kumari V., Aditi Sangal and Mehta, R.	Kinetic Release Study of Arjuna Terminalia filled Poly Lactic-co-Glycolic Acid (PLGA) Nanoparticles	Trends in Biomaterials & Artificial Organs	2021
698	Chemistry	Prateek Rai, Deepshikha Gupta	Magnetic nanoparticles as green catalysts in organic synthesis-a review	Synthetic communications	2021
699	Chemistry	S.B.DhanalekshmiR.Priya K.Tamizh SelviK.Alamelu MangaibGetu KassegnWeldegebriealS eemaGargdSureshSagade vane	Microwave-assisted synthesis, characterization and photocatalytic activity of mercury vanadate nanoparticles	Inorganic Chemistry Communications	2021
700	Chemistry	Ankita Thakuria, Bharti Kataria & Deepshikha Gupta	Nanoparticle-based methodologies for targeted drug delivery—an insight Journal of Nanoparticle Research	Journal of Nanoparticle Research	2021
701	Chemistry	Brijesh Kumar Shukla, Himanshi Tyagi, Hema Bhandari, Seema Garg	Nanotechnology-Based Approach to Combat Pandemic COVID 19: A Review	Macromolecular Symposia	2021
702	Chemistry	HarshitaChawla, AmrishChandra, Pravin Popinand Ingole, SeemaGarg	Recent advancements in enhancement of photocatalytic activity using bismuth- based metal oxides Bi ₂ MO ₆ (M= W, Mo, Cr) for environmental remediation and clean energy production	Journal of Industrial and Engineering Chemistry	2021
703	Chemistry	Himanshi Tyagi, Harshita Chawla, Hema Bhandari, Seema Garg	Recent-enhancements in visible-light photocatalytic degradation of organochlorines pesticides: A review	Material today Proceedings	2021
704	Chemistry	M.S.Goyat, Amrita Hooda, Tejendra K.Gupta, Kaushal Kumar, Sudipta Halder, P.K.Ghosh, Brijnandan S.Dehiya	Role of non-functionalized oxide nanoparticles on mechanical properties and toughening mechanisms of epoxy nanocomposites	Ceramics International	2021
705	Chemistry	András Sápi, Suresh Mutyala, Seema Garg, Mohit Yadav, Juan F. Gómez-Pérez, Fanni Czirok, Zita Sándor, Klara Hernadi, Ferenc Farkas, Sebastijan Kovačič, Ákos Kukovecz & Zoltán Kónya	Size controlled Pt over mesoporous NiO nanocomposite catalysts: thermal catalysis vs. photocatalysis	Journal of Porous Material	2021

706	Chemistry	Manpreet Kaur , Prashant Kumar , Anita Gupta , Veeranna Yempally , Harminder Kaur	Sn coated Fe ₃ O ₄ nanoparticles for selective and efficient oxidation of anthracene to anthraquinone	Materials Letters	2021
707	Chemistry	Zsejke-Réka Tóth, Saurav Kumar Maity, Tamás Gyulavári, Eniko” Bárdos, Lucian Baia, Gábor Kovács, Seema Garg, Zsolt Pap ,* and Klara Hernadi	Solvothermal Crystallization of Ag/Ag ₂ O-AgCl Composites: Effect of Different Chloride Sources/Shape-Tailoring Agents	Catalysts	2021
708	Chemistry	Khurana, N., Arora, P., Pente, A.S., ...Kaushik, C.P., Rattan, S.	Surface modification of zinc oxide nanoparticles by vinyltriethoxy silane (VTES)	Inorganic Chemistry Communications	2021
709	Chemistry	Deepshikha Gupta, Vabhika Rishi, Tejendra K Gupta	Synthesis of MFe ₂ O ₄ (M: Cu, Mn, Co, Ni) magnetic nanoparticles and their efficient catalytic role in nitrophenol reduction	Materials Research Innovations	2021
710	Chemistry	Nisar, S., Pandit, A.H., Nadeem, M., ...Rizvi, M.M.A., Rattan, S	γ -Radiation induced L-glutamic acid grafted highly porous, pH-responsive chitosan hydrogel beads: A smart and biocompatible vehicle for controlled anti-cancer drug delivery	Journal of Biological Macromolecules	2021
711	Mathematics	Saniya Batra, Prakriti Rai	A Class of Laguerre-Based Generalized Humbert Polynomials	International Journal of Differential Equations	2021
712	Mathematics	Taruna,, Arora, H.D., Tiwari, P.	A new parametric generalized exponential entropy measure on intuitionistic vague sets	International Journal of Information Technology	2021
713	Mathematics	Divya Agarwal, Radhika Agarwal, Aditi Sharma	A Review on Queuing Systems with Working Breakdown	Global Journal of Modeling and Intelligent Computing (GJMIC)	2021
714	Mathematics	Rita Yadav Mandeep Mittal Navneet Kumar Lamba Mahesh Kumar Jayaswal	A Stackelberg Game Approach in Supply Chain for Imperfect Quality Items with Learning Effect in Fuzzy Environment	Soft Computing in Inventory Management: Book	2021
715	Mathematics	P.N. Agrawal, Neha Bhardwaj, Jitendra Kumar Singh	Approximation degree of bivariate Kantorovich Stancu operators	Journal of non linear science and applications	2021
716	Mathematics	Madhu Jain; Anuradha Jain;Ritu Gupta	Availability Analysis of Repairable Software and Hardware System with Spares	Global Journal of Modeling and Intelligent Computing (GJMIC)	2021

717	Mathematics	Chandola Ankita, Pandey R. M., and Agarwal Ritu	Bessel-maitland function of several variables and its properties related to integral transforms and fractional calculus.	Applications and Applied Mathematics: An International Journal, Volume 16, Issue 1, Article 23.	2021
718	Mathematics	P. N. Agrawal, Neha Bhardwaj, Praveen Bawa	Bezier variant of modified α -Bernstein operators	Rendiconti del Circolo Matematico di Palermo Series	2021
719	Mathematics	Preeti Gupta, Sunil Hans, and Abdullah Mir	Bounds for the derivative of a certain class of rational functions	Note di Matematica	2021
720	Mathematics	Hemant Gandhi, Amit Tomar, Dimple Singh	Conservation laws and exact series solution of fractional-order Hirota–Satsuma-coupled Korteweg–de Vries system by symmetry analysis	Mathematical Methods in Applied Sciences	2021
721	Mathematics	Ritu Gupta, Divya Agarwal	Cost analysis of N-policy vacation machine repair problem with optional repair	IJMOR	2021
722	Mathematics	Malik, G., Upadhyaya, S. and Sharma, R.	Cost Inspection of a Geo/G/1 retrial model using Particle Swarm Optimization and Genetic Algorithm	Ain Shams Engineering Journal (Elsevier)	2021
723	Mathematics	Payal Rana, Kuldeep Chaudhary, Sudipa Chauhan	DYNAMICAL ANALYSIS AND OPTIMAL CONTROL PROBLEM OF IMPACT OF VACCINE AWARENESS PROGRAMS ON EPIDEMIC SYSTEM	Communication in Mathematical Biology and neuroscience	2021
724	Mathematics	Mamta Barik, Chetan Swarup, Teekam Singh, Sonali Habbi, Sudipa Chauhan	Dynamical analysis, Optimal control and Spatial Pattern in an Influenza model with adaptive immunity in two stratified population	AIMS Mathematics	2021
725	Mathematics	Pankaj Gulati, Sudipa Chauhan(corresponding), Anuj Mubayi, Teekam Singh, Payal Rana	Dynamical Analysis, Optimum Control and Pattern formation in the biological pest (EFSB) control model	Chaos, Solitons and Fractals: the interdisciplinary journal of Nonlinear Science, and Non-equilibrium and Complex Phenomena	2021
726	Mathematics	Vandana Kumari, Sudipa Chauhan(corresponding), Joydip Dhar	Dynamics of Pest Population: Effect of diseased pest and pesticide	Nonlinear Studies,	2021
727	Mathematics	Mandeep Mittal*, Mehak Sharma	Economic Ordering Policies for Growing Items (Poultry) with Trade-Credit Financing	International Journal of Applied and Computational Mathematics, Springer	2021
728	Mathematics	Mahesh Kumar Jayaswal Mandeep Mittal Isha Sangal	Effect of Credit Financing on the Learning Model of Perishable Items in the Preserving Environment	Decision Making in Inventory Management: Book	2021

729	Mathematics	Gupta, Aakanshi, Bharti Suri, Vijay Kumar, and Pragyashree Jain	Extracting rules for vulnerabilities detection with static metrics using machine learning	International Journal of System Assurance Engineering and Management	2021
730	Mathematics	Leena Kathuria, Shashank Goel and Nikhil Khanna	Fourier–Boas-Like Wavelets and Their Vanishing Moments	Journal of Mathematics	2021
731	Mathematics	Kaur, Jasmine, Adarsh Anand, Ompal Singh, and Vijay Kumar.	Measuring Software Reliability under the Influence of an Infected Patch	Yugoslav Journal of Operations Research	2021
732	Mathematics	Agarwal Ritu, Chandola, Ankita, Pandey R.M. and Nisar K.S	m-parameter Mittag–Leffler function, its various properties, and relation with fractional calculus operators.	Mathematical Methods in the Applied Sciences, 44(7):5365–5384	2021
733	Mathematics	Dr. Shashank Goel & Tripti Mittal	On Near Exact G-Banach Frames	Poincare Journal of Analysis and Applications	2021
734	Mathematics	DINESH T., S. HANS, BABITA TYAGI	ON THE DERIVATIVE OF A RATIONAL POLYNOMIAL WITH PRESCRIBED POLES	Journal of Mathematical Inequalities	2021
735	Mathematics	Kuldeep Chaudhary (Corresponding and first author), Shivani Bali, Sunita Mehta (Sharma)	Optimal Promotional Effort Policy for Innovation Diffusion Model in a Fuzzy Environment	Journal of Information Technology Management, 2021, 13(1), pp. 142–161	2021
736	Mathematics	Kuldeep Chaudhary, Pradeep Kumar, Sudipa Chauhan, Vijay Kumar	Optimal promotional policy of an innovation diffusion model incorporating the brand image in a segment-specific market	Journal of Management Analytics	2021
737	Mathematics	Kuldeep Chaudhary, Pradeep Kumar, Sudipa Chauhan, Vijay Kumar	Optimal promotional policy of an innovation diffusion model incorporating the brand image in a segment-specific market	Journal of Management Analytics	2021
738	Mathematics	Malik, G., Upadhyaya, S. and Sharma, R.	Particle swarm optimization and maximum entropy results for MX/G/1 retrial G-queue with delayed repair	International Journal of Mathematical, Engineering and Management Sciences (IJMEMS)	2021
739	Mathematics	Surbhi Gupta , Neelam Sharma	Performance Evaluation of Fiber Optic communication using Boolean Function Approach	Turkish Journal of Computer and mathematical Education	2021
740	Mathematics	Ritu Gupta, Madhu Jain	Reliability of N-version programming software with testing effort	IJRS (International Journal of Reliability and Safety)	2021

741	Mathematics	Vijay Kumar, Palak Saxena, Harish Garg	Selection of optimal software reliability growth models using an integrated entropy–Technique for Order Preference by Similarity to an Ideal Solution (TOPSIS) approach	Mathematical Methods in the Applied Sciences	2021
742	Mathematics	Sunil Hans and Q. M. Tariq	Some L_p inequalities for entire functions of exponential type	Complex Variables and Elliptic Equations	2021
743	Mathematics	Taruna., Arora, H.D., Kumar, V.	Study of fuzzy distance measure and its application to medical diagnosis	Informatica (Slovenia)	2021
744	Mathematics	Mamta Barik, Sudipa Chauhan(corresponding), Sumit Kaur Bhatia, Om Prakash Misra	Understanding Role of CTL cells and antibodies on a delayed HIV mathematical model: A Dynamical Analysis	Nonlinear Studies,	2021
745	Physics	U.C. Srivastava	“Lattice Dynamical Study of Platinum by Use of van der Waals Three Body Force Shell	Johnson Matthey Technol. Rev.	2021
746	Physics	Suresh Chandra & Mohit K. Sharma	A comment on Whistler mode waves with electric field in magnetospheric plasma of an outer planet	Optik	2021
747	Physics	Jyoti Kapil, Pramila Shukla & Ashish Pathak	A first-principles study of Ru ₂ VGe full- Heusler alloy—pseudopotential approach	EPJP	2021
748	Physics	Anil Kumar Shukla and Girijesh Narayan Pandey	A Novel Design of All Optical Logical AND Gate Based on 2-D Photonic Crystal	Journal of Macromolecular Symposia	2021
749	Physics	Shefali Kanwar, Pramila Shukla, Shivani A Kumar	Bio-Medical Applications of different radionuclides	Annals of the Romanian Society for Cell Biology	2021
750	Physics	Sunil Kumar, Shalini Taneja, Shelza Banyal, Manju Singhal, Vijay Kumar, Sanjay Sahare, Shern-Long Lee and Ravi Kant Choubey	Bio-synthesised Silver nanoparticles conjugated L-Cysteine ceiled Mn:ZnS quantum dots for eco-friendly biosensor and antimicrobial applications	Journal of Electronic Materials	2021
751	Physics	Ch Kartikeswar Patro, Rohit Verma, Aakarti Garg, Ravindra Dhar and Roman Dabrowski	Boost in the thermal stability, ionic conductivity and director relaxation frequency in the composite of liquid crystal and functionalised multi-walled carbon nanotubes	Liquid Crystals	2021
752	Physics	Satendra Kumar, Rohit Verma, R. Dhar	Changes in the Thermodynamic Parameters of an Achiral Liquid Crystalline Material Due to Li Ion Beam Irradiation	Springer Proceeding in Physics	2021

753	Physics	Mohammad Shafi Khan , Vishal Singh Chandel and Satyendra Pratap Singh	Comparative Dielectric Study of Binary Mixtures of Coriandar oil and Radish oil	ORIENTAL JOURNAL OF CHEMISTRY	2021
754	Physics	T. Yadav, G. Brahmachari, I. Karmakar; P. Yadav; A. K. Prasad, A. Pathak, A. Agarwal, V. Mukherjee, G. N. Pandey, R.R.F. Bento, N. P. Yadav	Conformational and vibrational spectroscopic investigation of N-n-butyl, S-2-nitro-1-(p-tolyl)ethyl dithiocarbamate – a bio-relevant sulfur molecule	Journal of Molecular Structure	2021
755	Physics	Sunil Kumar , Kavita, HS Bhatti, Karamjit Singh, Saurabh Gupta , Swati Sharma, Vijay Kumar and Ravi Kant Choubey	Effect of glutathione capping on the antibacterial activity of tin doped ZnO nanoparticles	Physica Scripta	2021
756	Physics	Verjesh Kumar Magotra, T.W. Kang, Abu Talha Aqueel Ahmed, Akbar I. Inamdar, Hyunsik Im, Gajanan Ghodake, Ravi Kant Choubey, Vijay Kumar, Sunil Kumar	Effect of gold nanoparticles laced anode on the bio-electro-catalytic activity and power generation ability of compost based microbial fuel cell as a coin cell sized device	Biomass and Bioenergy	2021
757	Physics	Suresh Chandra & Mohit K. Sharma	Excitation of dust acoustic waves in a plasma having dust grains by an ion beam	Optik	2021
758	Physics	Suresh Chandra & Mohit K. Sharma	Excitation of Gould-Trivelpiece mode by streaming particles in dusty plasma- reinvestigated	Optik	2021
759	Physics	Suresh Chandra & Mohit K. Sharma	Excitation of surface plasma waves by an electron beam in a magnetized dusty plasma - Reinvestigated	Optik	2021
760	Physics	Suresh Chandra & Mohit K. Sharma	Excitation of Trivelpiece-Gould mode in a magnetized plasma having dust by relativistic electron beam?	Optik	2021
761	Physics	Arun Kumar, Manjeet Kumar, Vishwa Bhatt, Samrat Mukherjee, Sunil Kumar, Himanshu Sharma, M.K. Yadav, Stuti Tomar, Ju-Hyung Yun, Ravi Kant Choubey	Highly responsive and low-cost ultraviolet sensor based on ZnS/p-Si heterojunction grown by chemical bath deposition	Sensors and Actuators A: Physical	2021

762	Physics	Vinit Kakkar, Keshav Walia, Deepak Tripathi	Impact of self-focused high power beam on second harmonic generation in collisional plasmas	Optik- Int. Journal of light and Electron Optics	2021
763	Physics	Arun Kumar, Samrat Mukherjee, Sanjay Sahare, Ravi Kant Choubey	Influence of deposition time on the properties of ZnS/p-Si heterostructures	Materials Science in Semiconductor Processing	2021
764	Physics	Yasmeen Jafri, Surendra Singh, Surbhi Gupta, Yasuhiro Fukuma, Kavita Sharma, Mukul Gupta, V. R. Reddy, Gagan Sharma, Ajay Gupta	Investigation of structural, magnetic and electronic properties of FeTa films for varying Ta concentration at different annealing temperatures	Journal of Magnetism and Magnetic Materials	2021
765	Physics	Shyamendra Pratap Singh and U. C. Srivastava	Lattice Dynamical Study and Elastic Property of Europium Telluride (EuTe) Crystal	ORIENTAL JOURNAL OF CHEMISTRY	2021
766	Physics	U C Srivastava and Shyamendra Pratap Singh	LATTICE DYNAMICAL STUDY OF TITANIUM (Ti) BY USING CGW- VTBFS MODEL	International Journal of Advanced Research	2021
767	Physics	Lalit Kumar Sharma, Manoranjan Kar, Ravi Kant Choubey, Samrat Mukherjee	Low field magnetic interactions in the transition metals doped CuS quantum dots	Chemical Physics Letters	2021
768	Physics	Sunil Kumar, Rajni Seth, Sanjay Panwar, Kapil Kumar Goyal, Vijay Kumar and Ravi Kant Choubey	Morphological and optical studies of ZnO-Silica nanocomposite thin films synthesized by time dependent chemical bath deposition	Journal of Electronic Materials	2021
769	Physics	A Mehra, S Chauhan, VK Jain, S Nagpal	Nanoparticles of Punicalagin Synthesized from Pomegranate (Punica Granatum L.) with Enhanced Efficacy Against Human Hepatic Carcinoma Cells	Journal of Cluster Science	2021
770	Physics	G. N . Pandey	Omnidirectional Reflectance of Superconductor-Dielectric Photonic Crystal in THz Frequency Range	Journal of Superconductivity and Novel Magnetism	2021
771	Physics	Girijesh Narayan Pandey and Bhuvneshwer Suthar	Optical Properties of One Dimensional Ternary Metamaterial Photonic Crystals	Journal of Macromolecular Symposia	2021
772	Physics	Stuti Tomar, Suhaas Gupta, Samrat Mukherjee, Arun Singh, Sunil Kumar, Vijay Kumar and Ravi Kant Choubey	Optical properties of Silica capped Mn doped ZnS quantum dots	Physica Scripta	2021

773	Physics	Daniele Eugenio Lucchetta, Andrea Di Donato, Gautam Singh, Alessia Tombesi and Riccardo Castagna	Optical tunable diffraction efficiency by photo-mobile holographic composite polymer material	Optical Materials	2021
774	Physics	Shivani A. Kumar, Shefali Kanwar, Pramila Shukla	Quantum Swapping of Entangled Coherent States	Annals of the Romanian Society for Cell Biology	2021
775	Physics	Dr. Shivani A Kumar	Quantum teleportation of a tripartite entangled coherent state	Modern Physics Letters A	2021
776	Physics	Ajay Kumar, Priyam Kwatra, Harikesh Meena, Jai Prakash, Ling Wang and Gautam Singh	Recent advances on semiconducting nanomaterials-ferroelectric liquid crystals nanocomposites	Journal of Physics: Condensed Matter	2021
777	Physics	ABDULLAH ANWARa, VISHAL SINGH CHANDEL, SATYENDRA PRATAP SINGH, SATYA PRAKASH SINGH, NEDA ANWAR	RISE AND FALL IN SARS-COV-2 GLOBAL PANDEMIC STRAIN RATE–AN OVERVIEW	International Journal of Applied Pharmaceutics	2021
778	Physics	Adarsh Kumar	Significant characteristics of aerosol optical depth and cloud cover fraction over the South West region of India, Indian Journal of Physics, April 2021.	Indian Journal of Physics	2021
779	Physics	Girijesh Narayan Pandey, Anil Kumar Shukla, Khem B Thapa, Munendra Singh and Ram Chandra Singh	Simulation of 2D Interference Pattern Structure for Rectangular and Circular Slits Using Dual Beam Interference Technique	Journal of Macromolecular Symposia	2021
780	Physics	Mohit K. Sharma & Suresh Chandra	Sobolev LVG Analysis of Aminomethanol and N-Methylhydroxylamine: Potential spectral lines for their detection in a cosmic object	Astrophysics	2021
781	Physics	Mohit K. Sharma, Vishnu D. Mampatta, Monika Sharma & Suresh Chandra	Sobolev LVG Analysis of Prebiotic Molecule Formamide (NH ₂ CHO) Found in the ISM	Astrophysics	2021
782	Physics	Vijay Kumar, Dev Raj, S K Chakarvarti, Ravi Kant Choubey and Sunil Kumar	Solvothermal growth of ultrathin nonporous nickel oxide nanosheets for ethanol sensing	Journal of Materials Science: Materials in Electronics	2021
783	Physics	Daniele Eugenio Lucchetta, Riccardo Castagna, Gautam Singh, Cristiano Riminesi and Andrea Di Donato	Spectral, morphological and dynamical analysis of a holographic grating recorded in a photo-mobile composite polymer mixture	Nanomaterials	2021

784	Physics	Mamta Yadav, Ashok Kumar and Subhayan Mandal	Stimulated Raman scattering in a plasma embedded with CNTs	Physica Scripta	2021
785	Physics	T Yadav, G. Brahmachari, I. Karmakar, P. Yadav, A. Agarwal, V. Mukherjee, B. P. Bag, S. Srivastav, A. Vats, A. K. Prasad, G. N. Pandey, A. Pathak, N. K. Dubey	Structural confirmation of biorelevant molecule N-isobutyl, S-2-nitro-1-phenylethyl dithiocarbamate in gas phase and effect of fluorination	Chemical Physics Letters	2021
786	Physics	Neeraj Sharma, Stuti Tomar, Mohd. Shkir, Ravi Kant Choubey and Arun Singh	Study of Optical and Electrical properties of Graphene oxide	Materials Today Proceedings	2021
787	Physics	Dr. Shivani	Subdivision of Measurement Results of Entanglement Swapping	Nonlinear Optics Quantum Optics	2021
788	Physics	Mohit K. Sharma, Monika Sharma, Neeraj Kumar & Suresh Chandra	Transition 110 – 111 of methanimine in interstellar medium	Ind. J. Physics	2021
789	Physics	Jyoti Katyal, Shivani Gautam	Tuning the Localized Surface Plasmon Resonance of Al-Al ₂ O ₃ Nanosphere Towards NIR Region by Gold Coating	Micro and nanosystem	2021
790	Physics	Lalita Chauhan, Sudhanshu Kumar, K. Sreenivas, A. K. Shukla	Variable range hopping and modulus relaxation in NiFe ₂ O ₄ ceramics	Materials Chemistry and Physics	2021
791	Physics	Arun Kumar, Manjeet Kumar, Vishwa Bhatt, Deasung Kim, Samrat Mukherjee, Ju-Hyung Yun and Ravi Kant Choubey	ZnS microspheres-based photoconductor for UV light-sensing applications	Chemical Physics Letters	2021
792	Statistics	Yadav R	A generalized ratio-type estimator of finite population variance using quartiles and their functions	Journal of Statistics Applications and Probability	2021
793	Statistics	Farooqi, M.S., Kumar, D., Mishra, D.C., Rai, A., Singh, N.K.	A hybrid method for differentially expressed genes identification and ranking from RNA-Seq data	International Journal of Bioinformatics Research and Applications	2021
794	Statistics	Singh, D., Yadav R. and Chandra, H.	An improved ratio-product-ratio class of estimators for estimating finite population mean.	International Journal of Agricultural and Statistical Sciences	2021

795	Chemistry	Sharma V.K., Barde A., Rattan S.	An efficient and scalable approach for the synthesis of piperazine based glitazone and its derivatives	Synthetic Communications	2020
796	Chemistry	Sharma, V.K., Barde, A., Rattan, S.	An Efficient and Scalable Approach for the Synthesis of Piperazine Based Glitazone and its Derivatives.	Synthetic Communications	2020
797	Chemistry	Vinod Kumari* & Aditi Sangal	Antimicrobial study of Arjuna Terminalia loaded PLGA nanoparticle	Indian Journal of Biochemistry & Biophysics	2020
798	Chemistry	Shubham singh, Sheenam Thatai, Parul Khurana, Christine Jeyaseelan, Dinesh Kumar	Conducting polymer electrodes for sodium ion batteries	Sodium ion Batteries: Material and applications	2020
799	Chemistry	Ruchi Shaw, Shubhangi Madan, Sangeeta Tiwari, Sandeep Kumar Tiwari	Creating Synergy of Microporous Hydrophilic–Organophilic Surfaces in Zeolite@ Nano-Titania Particles for Rapid Removal of Diverse Pollutants in Water	Advanced Materials Interfaces	2020
800	Chemistry	Sharma V.K., Barde A., Rattan S.	Design, Synthesis and Characterization of Pyrimidine based Thiazolidinedione Derivatives	Asian Journal of Chemistry	2020
801	Chemistry	Monika Duhan, Naveen Kumar, Anita Gupta, Anupinder Singh, Harminder Kaur	Enhanced room temperature ferromagnetism in Cr and Fe co-doped SnO ₂ nanoparticles synthesized by sol- gel method	Vacuum	2020
802	Chemistry	Shubhangi Madan, Ruchi Shaw, Sangeeta Tiwari, S.K.Tiwari	Enhancing Corrosion Stability and Shelf Life of Nanoscale Zerovalent Iron via encapsulation in Porous Ze- TiO ₂ matrix: An Interface for Simultaneous Oxidation and Adsorption of As(III)	Colloids and Surfaces A: Physicochemical and Engineering Aspects	2020
803	Chemistry	Shubhangi Madan, Ruchi Shaw, Sangeeta Tiwari and Sandeep Kumar Tiwari	Enhancing corrosion stability and shelf life of nanoscale zero-valent iron via encapsulation in porous Ze-TiO ₂ matrix: An interface for simultaneous oxidation and adsorption of As(III)	Colloids and Surfaces A: Physicochemical and Engineering Aspects	2020
804	Chemistry	Prachi Kapoor, Parul Khurana, Christine Jeyseelan, Dinesh Kumar, Sheenam Thatai	Fabrication assembly techniques for K- ion batteries	Rechargeable Batteries: History, Progress and applications	2020

805	Chemistry	MohitYadav, SeemaGarg, AmrishChandra, RogerGläser, KlaraHernadi	Green BiOI impregnated 2- dimensional cylindrical carbon block: A promising solution for environmental remediation and easy recovery of the photocatalyst	Separation and Purification Technology Volume 240, 1 June 2020, 116628	2020
806	Chemistry	Enikő Bárdos, Viktória Márta, Lucian Baia, Milica Todea, Gábor Kovács, Kornélia Baán, Seema Garg, Zsolt Pap, Klara Hernadi	Hydrothermal crystallization of bismuth oxybromide (BiOBr) in the presence of different shape controlling agents	Applied Surface Science	2020
807	Chemistry	Zsolt Kása, Eszter Orbán, Zsolt Pap, Imre Ábrahám, Klára Magyari, Seema Garg and Klara Hernadi	Innovative and Cost-Efficient BiOI Immobilization Technique on Ceramic Paper—Total Coverage and High Photocatalytic Activity	Nanomaterials	2020
808	Chemistry	Safiya Nisar, Shubhi Sharma, Payal Mazumdar, Prachi Singhal, and Sunita Rattan	Modification of tungsten sulfide/ nanographene nanocomposite through ion beam irradiation on the polystyrene matrix for biosensing application	AIP Conference Proceedings	2020
809	Chemistry	Amreen Saifi, Prachi Singhal, and Sunita Rattan	MoS ₂ /NGP hierarchical hybrid composites synthesized via in-situ microwave method	AIP Conference Proceeding	2020
810	Chemistry	Sharma, V.K., Barde, A., Rattan, S.	One-Pot Sequential Synthesis of Quinazolin-8-ol derivatives employing Heterogeneous Catalyst for Suzuki-Miyaura coupling.	Synthetic Communications	2020
811	Chemistry	Sharma V.K., Barde A., Rattan S.	One-pot sequential synthesis of quinazolin-8-ol derivatives employing heterogeneous catalyst for Suzuki-Miyaura coupling	Synthetic Communications	2020
812	Chemistry	Mohit Yadav, Seema Garg, Amrish Chandra, Jyoti, Pravin P.Ingole, Eniko Bardos, Klara Hernadi	Quercetin-mediated 3-D hierarchical BiOI-Q and BiOI-Q-Ag nanostructures with enhanced photodegradation efficiency	Journal of Alloys and Compounds	2020
813	Chemistry	Deeya Soin, Deepshikha Gupta	Recent Advances in health Benefits of Moringa oleifera	” International Journal of Pharmaceutical Sciences and Nanotechnology”,	2020

814	Chemistry	Mehra, S., Nisar S., Chauhan, S., Singh, V. and Rattan, S	Soy Protein Based Hydrogel under Microwave Induced Grafting of Acrylic acid and 4-(4- ydroxyphenyl) butanoic acid: A Potential Vehicle for Controlled Drug Delivery in Oral Cavity Bacterial Infections	ACS Omega	2020
815	Chemistry	Saloni Mehra, Safiya Nisar, Sonal Chauhan, Virender Singh, Sunita Rattan	Soy Protein-Based Hydrogel under Microwave-Induced Grafting of Acrylic Acid and 4-(4-Hydroxyphenyl)butanoic Acid: A Potential Vehicle for Controlled Drug Delivery in Oral Cavity Bacterial Infections	ACS Omega	2020
816	Chemistry	Nisar S., Pandit A.H., Wang L.-F., Rattan S.	Strategy to design a smart photocleavable and pH sensitive chitosan based hydrogel through a novel crosslinker: A potential vehicle for controlled drug delivery	RSC Advances	2020
817	Chemistry	Deepshikha Gupta, Vabhika Rishi & Tejendra Kumar Gupta	Synthesis of MFe ₂ O ₄ (M: Cu, Mn, Co, Ni) magnetic nanoparticles and their efficient catalytic role in nitrophenol reduction	Materials Research Innovations	2020
818	Chemistry	Kumari V. and Sangal A.	Synthesis, Characterization, Antimicrobial activity and Release Study of Cinnamon loaded poly (DL-lactide-co-glycolide) Nanoparticles	Research J. Pharm. and Tech	2020
819	Chemistry	Prachi Yadav, Sunita Rattan, Ambuj Tripathi and Sandeep Yadav	Tailoring of complex permittivity, permeability, and microwave- absorbing properties of CoFe ₂ O ₄ /NG/ PMMA nanocomposites through swift heavy ions irradiation	Ceramics International	2020
820	Mathematics	Neha Bhardwaj	A Better Error Estimation on Generalized Positive Linear Operators Based on PED and IPED	Mathematical Analysis I: Approximation Theory, springer Proceedings in Mathematics & Statistics 306	2020
821	Mathematics	Saniya Batra and Prakriti Rai	A Further Extension of Generalized Hurwitz - Lerch Zeta Function of Two Variables-II	GANITA	2020
822	Mathematics	Saniya Batra and Prakriti Rai	A FURTHER GENERALIZATION OF EXTENDED HURWITZ-LERCH ZETA FUNCTION OF TWO VARIABLES	Advanced Studies in Contemporary Mathematics	2020

823	Mathematics	Rita Yadav, Mahesh Kumar Jayaswal, Mandeep Mittal*, Isha Sangal, Sarla Pareek	A Game Theoretic Approach: Impact of Learning on The Optimal Ordering Policies for Imperfect Quality Items	International Journal Revista Invetigacion Operacional (IJRIO)	2020
824	Mathematics	Surbhi Gupta, Anil Chandra, C.K.Jaggi	A multi-state model for reliability analysis of metal sheet manufacturing process using artificial neural network technique	Pertanika Journal of Science and Technology	2020
825	Mathematics	SUNIL HANS, AMIT TOMAR, AND JIANHENG CHEN	A NOTE ON COMPARISON OF ANNULI CONTAINING ALL THE ZEROS OF A POLYNOMIAL	Kragujevac Journal of Mathematics	2020
826	Mathematics	Pragya Mishra	A PROFICIENT IDENTITY BASED SIGNATURE SCHEME WITH DESIGNATED VERIFIER FOR E-VOTING	Journal of Critical Reviews	2020
827	Mathematics	Vandana Kumari, Sudipa Chauhan(corresponding), Nisha Sharma, Sumit Kaur Bhatia, Joydip Dhar	A Stage - Structured Prey - Predator Model with Maturation and Gestation Delay for Predator Using Holling Type- II functional response	Jordan Journal of Mathematics and Statistics,	2020
828	Mathematics	Diksha Bhatnagar and Rupakshi Mishra Pandey	A Study of some Integral Transforms of Q Function	South East Asian Journal of Mathematics and Mathematical Sciences(SEAJMS)	2020
829	Mathematics	Priyanka Vashisht, Vijay Kumar	AGENT BASED OPTIMIZED RÉPLICA MANAGEMENT IN DATA GRIDS	Revista de Investigacion Operacional	2020
830	Mathematics	Chandola Ankita, Pandey R.M, Agarwal Ritu and Purohit, S.D.	An Extension of Beta function, its Statistical Distribution and Associated Fractional Operator.	Advances in Difference Equations Vol.2020, Issue.1, Article No.684.	2020
831	Mathematics	Upadhyaya, S. and Malik, G.	An unreliable batch arrival G-queue with working vacation, vacation interruption and multi-optional services	National Journal UGC Approved Journal	2020
832	Mathematics	Hemlata, Dr H D Arora and Vijay Kumar	Constructing a Data Mining Model using Fuzzy Decision Tree	International Journal of Advanced Science and Technology	2020
833	Mathematics	Vandana Kumari, Sudipa Chauhan, Joydip Dhar	Controlling Pest by Integrated Pest Management : A Dynamical Approach	International Journal of Mathematical, Engineering and Management Sciences	2020

834	Mathematics	Antim Chauhan, Rajan Arora and Amit Tomar	Converging Shock Waves in a Van Der Waals Gas of Variable Density	Quarterly Journal of Mechanics and Applied Mathematics	2020
835	Mathematics	Antim Chauhan, Rajan Arora, Amit Tomar	Converging strong shock waves in magnetogasdynamics under isothermal condition	Ricerche di Matematica	2020
836	Mathematics	Upadhyaya, S.	Cost optimization of a discrete-time retrieval queue with Bernoulli feedback and starting failure	International Journal of Industrial and Systems Engineering (Inderscience) Scopus	2020
837	Mathematics	Vijay Kumar, Ramita Sahni	Dynamic testing resource allocation modeling for multi-release software using optimal control theory and genetic algorithm	International Journal of Quality & Reliability Management	2020
838	Mathematics	Sumit Kaur Bhatia, Sudipa Chauhan and Umama Nasir	Dynamics of Vaccination Model with Holling Type II Functional Response	Kyungpook Mathematical Journal	2020
839	Mathematics	Manavi Gilotra, Sarla Pareek, Mandeep Mittal*, Vinti Dhaka	Effect of Carbon Emission and Human Errors on a Two-Echelon Supply Chain under Permissible Delay in Payments	International Journal of Mathematical, Engineering and Management Sciences	2020
840	Mathematics	Namita Goel, Sudipa Chauhan, Sumit Kaur Bhatia	Effect of Habitat on Dynamic of Native and Exotic Prey–Predator Population	Mathematical Analysis II: Optimisation, Differential Equations and Graph Theory	2020
841	Mathematics	Mandeep Mittal*, Sarla Pareek, Aastha	Effect of human errors on an inventory model under two warehouse environments	Recent Advances in Computer Science	2020
842	Mathematics	Sumit Kaur Bhatia, Sudipa Chauhan, Priyanka Arora	Effect of Sterile Insect Technique on Dynamics of Stage-Structured Model Under Immigration	Mathematical Analysis II: Optimisation, Differential Equations and Graph Theory	2020
843	Mathematics	Mamta Barik, Sudipa Chauhan(corresponding), Sumit Kaur Bhatia	Efficacy of pulse Vaccination over constant vaccination in COVID-19: A Dynamical Analysis	Commun. Math. Biol. Neurosci. 2020,	2020
844	Mathematics	Aparna Chaturvedi, Prakriti Rai and S. Ahmad Ali	Generalized Hermite – based Apostol – Euler polynomials and their properties	Applications and Applied Mathematics: An International Journal (AAM)	2020
845	Mathematics	Aparna Chaturvedi ¹ , Prakriti Rai ² , S. Ahmad Ali ³	GENERALIZED HERMITE BASED APOSTOL BERNOULLI POLYNOMIALS AND THEIR PROPERTIES	NON LINEAR STUDIES	2020

846	Mathematics	APARNA CHATURVEDI AND PRAKRITI RAI	GENERALIZED HERMITE BASED APOSTOL BERNOULLI, EULER, GENOCCHI POLYNOMIALS AND THEIR RELATIONS	JOURNAL OF INDIAN MATHEMATICAL SOCIETY	2020
847	Mathematics	Aparna Chaturvedi, Prakriti Rai	Generalized Hermite- based Apostol- Bernoulli, Euler, Genocchi polynomials and their relations	Journal of Indian Mathematical Society	2020
848	Mathematics	Neha Bhardwaj	Global Estimates for Generalized Double Bernstein Operators	Azerbaijan Journal of Mathematics,	2020
849	Mathematics	Firdos Karim, Sudipa Chauhan, Sumit Kaur Bhatia, Joydip Dhar	Hopf bifurcation in an augmented IS-LM linear business cycle model with two time delays	International Journal of Mathematical, Engineering and Management Sciences	2020
850	Mathematics	PRAGYA MISHRA, RENUKA, VANDANI VERMA	Identity Based Broadcast Encryption Scheme with Shorter Decryption Keys for Open Networks	Wireless Personal Communications	2020
851	Mathematics	Astha, Sarla Pareek, Leopoldo Eduardo Cárdenas-Barrón, Mandeep Mittal*	Impact of Imperfect Quality Items on Inventory Management for Two Warehouses with Shortages	Impact of Imperfect Quality Items on Inventory Management for Two Warehouses with Shortages	2020
852	Mathematics	Talat Parveen, HD Arora, Mansaf Alam	Intuitionistic Fuzzy Shannon Entropy Weight Based Multi-criteria Decision Model with TOPSIS to Analyze Security Risks and Select Online Transaction Method	Advances in Computing and Intelligent Systems	2020
853	Mathematics	Shweta Upadhyaya	Investigating a general service retrial queue with damaging and licensed units: an application in local area networks	OPSEARCH	2020
854	Mathematics	Mahesh Kumar Jayaswal, Isha Sangal, Mandeep Mittal*	Learning Effect on Inventory Model in Fuzzy Environment with Trade Credit Financing	Revista de Invetigacion de Operacional	2020
855	Mathematics	Antim Chauhan, Rajan Arora and Amit Tomar	Lie symmetry analysis and traveling wave solutions of equal width wave equation	Proyecciones Journal of Mathematics	2020
856	Mathematics	Firdos Karim, Sudipa Chauhan, Joydip Dhar	On the comparative analysis of linear and nonlinear business cycle model: Effect on system dynamics, economy and policy making in general	Quantitative Finance and Economics	2020

857	Mathematics	Sunita Mehta (Sharma), Kuldeep Chaudhary (Corresponding author), Vijay Kumar	Optimal Promotional Effort Policy in Innovation Diffusion Model Incorporating Dynamic Market Size in Segment Specific Market	International Journal of Mathematical, Engineering and Management Sciences, 2020, 5(4), pp. 682–696, 055	2020
858	Mathematics	Upadhyaya, S. and Kushwaha, C.	Performance prediction and ANFIS computing for unreliable retrial queue with delayed repair under modified vacation policy	International Journal of Mathematics in Operational Research (Inderscience) Scopus	2020
859	Mathematics	Aparna Chaturvedi, Prakriti Rai	Relations between generalized Hermite- based Apostol-Bernoulli, Euler and Genocchi polynomials	Proceedings of the jangjeon mathematical society	2020
860	Mathematics	Anil Chandra, Anjali Naithani, Surbhi Gupta, Chandra K Jaggi	Reliability and cost analysis comparison between two-unit parallel systems with non-identical and identical consumable units	Journal of Critical Reviews	2020
861	Mathematics	Sunil JOSHI, Ekta MITTAL, Rupakshi M.PANDEY, Sunil D.PUROHIT,	Some Gruss Type Inequalities involving generalized Fractional Integral operator	-	2020
862	Physics	Suresh Chandra & M. K. Sharma	About electron cyclotron waves in magnetospheric plasma of outer planets having perpendicular inhomogeneous DC electric field	Optik	2020
863	Physics	Suresh Chandra & M. K. Sharma	About electron cyclotron waves in magnetospheric plasma of outer planets having parallel AC electric field	Optik	2020
864	Physics	Mohit K. Sharma and Suresh Chandra	Anomalous absorption of hydrogen peroxide (H ₂ O ₂) rotational transitions	Anomalous absorption of hydrogen peroxide (H ₂ O ₂) rotational transitions	2020
865	Physics	A Mehra, S Chauhan, VK Jain, S Nagpal	ANTI-INFLAMMATORY AND ANTI- MIGRATORY EFFECT OF HERBAL NANO-STATINS ON HEPG2 CANCER CELLS	Indian Drugs	2020
866	Physics	Suresh Chandra & M. K. Sharma	Application of generalised Lorentzian (Kappa) distribution function in propagation of electron cyclotron waves in magnetospheric plasma of an outer planet	Optik	2020

867	Physics	Ch Kartikeswar Patro, Rohit Verma, Aakarti Garg, Ravindra Dhar and Roman Dabrowski	Boost in the thermal stability, ionic conductivity and director relaxation frequency in the composite of liquid crystal and functionalised multi- walled carbon nanotubes	Liquid Crystals	2020
868	Physics	Pandey R.S., R.P. Pandey, K.M. singh and N.M. Mishra	Cold Plasma injection on VLF wave mode for relativistic magneto plasma with a.c. electric Field	Progress in Elect. Research C	2020
869	Physics	Vandana Kumari, Sudipa Chauhan(corresponding), Joydip Dhar	Controlling Pest by Integrated Pest Management: A Dynamical Approach	International journal of Mathematical, Engineering and Management Sciences,	2020
870	Physics	Girijesh Narayan Pandey, Devendra Singh and Khem B. Thapa	Detector and Switching Application at Microwave Region		2020
871	Physics	Arun Kumar, Dipti Pednekar, Samrat Mukherjee, and Ravi Kant Choubey	Effect of deposition time and complexing agents on hierarchical nanoflake- structured CdS thin films	Effect of deposition time and complexing agents on hierarchical nanoflake-structured CdS thin films	2020
872	Physics	Arun Kumar, Dipti Pednekar, Samrat Mukherjee and Ravi Kant Choubey	Effect of deposition time and complexing agents on Hierarchical nanoflakes CdS structured thin films	Journal of Materials Science: Materials in Electronics	2020
873	Physics	Suresh Chandra & M. K. Sharma	Electron cyclotron waves in plasma in magnetosphere of a planet having perpendicular AC electric field	Optik	2020
874	Physics	Suresh Chandra & M. K. Sharma	Electron cyclotron waves in plasma in magnetosphere of a planet having perpendicular DC electric field	Optik	2020
875	Physics	2) H. Ahmoum, M. S. Su'ait, G. Li, S. Chopra, M. Boughrara, Q. Wang, M. Kerouad and D. P. Rai	Electronic and thermoelectric properties of chalcopyrite compounds Cu ₂ (XY)S ₄ (X = Zn, Cd and Y = Sn, Pb): first-principles study	Indian J Phys	2020
876	Physics	Ajay Kumar, Gautam Singh, Tilak Joshi, A. M. Biradar	Electro-optical and dielectric characteristics of ferroelectric liquid crystal dispersed with palladium nanoparticles	Journal of Molecular Liquids	2020

877	Physics	Mritunjoy Prasad Ghosh, Shashank Kinra, Deepak Dagur, Ravi Kant Choubey and Samrat Mukherjee	Evidence of large exchange bias effect in single-phase spinel ferrite nanoparticles	Physica Scripta	2020
878	Physics	Shreenu Pattanaik, D. K. Mishra, M. K. Sharma, Ratnamala Chatterjee	Experimental evidences of ferromagnetism in undoped monoclinic zirconia	Inorganic chemistry communications	2020
879	Physics	Adarsh Kumar	Fast melting rate of Himalayan glaciers since 2000 posing threat to water deficiency in the Indian Himalayan region, Astronomy & Geophysics	Astronomy & Geophysics	2020
880	Physics	Mohit K. Sharma, Monika Sharma and Suresh Chandra	H ₂ SiO IRASERS in a warm region in interstellar medium	New Astronomy	2020
881	Physics	Ambika Bawa, Tarundeep Kaur Lamba, Amit Choudhary, Gautam Singh, Rajesh, Surinder P. Singh, and Ashok M. Biradar	Impact of twisted alignment on the smectic layer structure of ferroelectric liquid crystal	Journal of Molecular Liquids	2020
882	Physics	Suresh Chandra & Mohit K. Sharma	Interaction of an electron beam with whistler waves in magnetoplasmas- reinvestigated	Optik	2020
883	Physics	Y Tyagi, D Tripathi	Lower hybrid wave assisted laser third harmonic generation in magneto plasma	AIP Advances	2020
884	Physics	Stuti Tomar, Suhaas Gupta, Samrat Mukherjee, Arun Singh, Sunil Kumar and Ravi Kant Choubey	Manganese doped ZnS QDs: an investigation into the optimal amount of doping	Semiconductors	2020
885	Physics	Asish Kumar, Narendra Kumar,	Metamaterial - Plasma Based Hyperbolic material for Sensor,	Journal of Physics: Condensed Matter	2020
886	Physics	Jyoti Katyal	Multilayered nanostructure for inducing large and tunable optical field	Nanoscience and Nanotechnology-Asia	2020
887	Physics	M. Yadav, A. Kumar, and S. Mandal	Nonlinear laser absorption on metal surfaces embedded with metallic nanoparticles and nanotubes	Physics of Plasmas	2020

888	Physics	Siddheshwar Chopra	Performance study of the electronic and optical parameters of thermally activated delayed fluorescence nanosized emitters (CCX-I and CCX-II) via DFT, SCC-DFTB and B97-3c approaches	Journal of Nanostructure in Chemistry	2020
889	Physics	Supreet, Gautam Singh	Recent advances on cadmium free quantum dots-liquid crystal nanocomposites	Applied Materials Today	2020
890	Physics	Keshav Walia, Vinit Kakkar, Deepak Tripathi	Second harmonic generation of high power laser beam in cold quantum plasma	Optik - International Journal for Light and Electron Optics	2020
891	Physics	20. M.K. Sharma, R.N. Gayen, A.K. Pal, D. Kanjilal, Ratnamala Chatterjee	Single phase formation of Fe-doped directional ZnO nanorod films: study of cluster formation by complex impedance spectroscopy and removal of metal clustering by swift heavy ion irradiation	Nucl. Instr. and Meth. in Phys. Res. B	2020
892	Physics	Saloni Mehra, Safiya Nisar, Sonal Chauhan, Virender Singh, Sunita Rattan	Soy Protein-Based Hydrogel under Microwave-Induced Grafting of Acrylic Acid and 4-(4-Hydroxyphenyl)butanoic Acid: A Potential Vehicle for Controlled Drug Delivery in Oral Cavity Bacterial Infections	ACS omega	2020
893	Physics	Adarsh Kumar	Spatio-temporal variations in satellite based aerosol optical depths & aerosol index over Indian subcontinent: Impact of urbanization and climate change	Urban Climate	2020
894	Physics	Lalit Kumar Sharma, Ravi Kant Choubey and Samrat Mukherjee	Spin-flop in transition-metal-doped SnO ₂ quantum dots	Materials Chemistry and Physics	2020
895	Physics	Vignesh, Siddharth Kaushik, Umesh K. Tiwari, Ravi Kant Choubey, Kamaldeep Singh, Ravindra K Sinha	Study of Sonication Assisted Synthesis of Molybdenum Disulfide (MoS ₂) Nanosheets	Materials Today:Proceedings	2020
896	Physics	Mohit K. Sharma, Monika Sharma & Suresh Chandra	Suggestion for search of malononitrile (CH ₂ (CN) ₂) in a cosmic object: Potential spectral lines	Astronomy Reports	2020
897	Physics	Ch. Kartikeshwar Patro, Aakarti Garg, Rohit Verma, R. Dhar, R. Dabrowski	Thermal and Electrical Characteristics of Nematic Liquid Crystal and Gold Nanoparticle Composites	Springer Proceeding in Physics	2020

898	Physics	Ch. Kartikeshwar Patro, Aakarti Garg, Rohit Verma, R. Dhar, R. Dabrowski	Thermodynamic Characteristics of Liquid Crystal-Nanocomposites	Springer Proceeding in Physics	2020
899	Physics	H. Ahmoum, M. Boughrara, M. S. Su'ait, G. Li, S. Chopra, Q. Wang and M. Kerouad	Understanding the effect of the carbon on the photovoltaic properties of the Cu ₂ ZnSnS ₄	Materials Chemistry and Physics	2020
900	Physics	Shyamendra Pratap Singh , U C Srivastava, K S Upadhyaya	Vibrational And Elastic Properties Of Europium Selenide (EuSe) With Three Body Interactions Model	International Journal of Scientific & Technology Research	2020
901	Physics	Kaur D., Sharma S.C., Pandey R.S., Gupta R.	Weibel instability oscillation in a dusty plasma with counter-streaming electrons	Laser and Particle Beams	2020
902	Physics	Daljeet Kaur, Suresh C. Sharma, R.S. Pandey and Ruby Gupta	Weibel Instability Oscillation in Dusty Plasma with counter-streaming electrons	Laser and Particle Beams	2020
903	Statistics	Rohini Yadav and Rajesh Tailor	Estimation of finite population mean using two auxiliary variables under stratified random sampling	STATISTICS IN TRANSITION	2020
904	Statistics	Ashok Kumar, D. Pawar & S. C. Malik	Reliability analysis of a redundant system with 'FCFS' repair policy subject to weather conditions	International Journal of Advanced Science and Technology	2020
905	Statistics	Niraj Kumar Singh and Mritunjay Pal Singh	Rural out Migration at the Household level	Journal of Statistics Applications & Probability	2020
906	Statistics	Pragya Singh, Kaushalendra Kumar Singh, Anjali Singh and Anjali Pandey	The levels and trends of contraceptive use before first birth in India (2015–16): a crosssectional analysis	BMC Public health	2020
907	Chemistry	Mazumdar P., Rattan S., Singhal P., Sharma I., Gupta B.K.	A Green Route Strategy for the Synthesis of Multifunctional Polymer Nanocomposites for Environmental Sustainability	ChemistrySelect	2019
908	Chemistry	Seema Garg, Mohit Yadav, Amrisha Chandra, Klara Hernadi	A review on BiOX (X= Cl, Br and I) nano-/microstructures for their photocatalytic applications	Journal of Nanoscience and Nanotechnology	2019
909	Chemistry	Madan S., Shaw R., Tiwari S., Tiwari S.K.	Adsorption dynamics of Congo red dye removal using ZnO functionalized high silica zeolitic particles	Applied Surface Science	2019

910	Chemistry	Tejendra Kumar Gupta, Patabhi Ramaiah Budarapu, Sivakumar Reddy Chappidi, Sudhir Sastry Y.B., Marco Paggi and Stephane P. Bordas	Advances in Carbon Based Nanomaterials for Bio-Medical Applications	Current Medicinal Chemistry	2019
911	Chemistry	Rajpreet Kaur, Kultar Singh, Poonam Khullar, *Anita Gupta, Gurinder Kaur Ahluwalia, and Mandeep Singh Bakshi*	Applications of Molecular structural aspects of Gemini Surfactants	Langmuir	2019
912	Chemistry	Rajpreet Kaur, Poonam Khullar, Anita Gupta, Gurinder Kaur Ahluwalia & Mandeep Singh Bakshi	Biodiesel as a non- aqueous medium for the synthesis of nanomaterials: relevance to metallic particulate suspensions in biofuels and their removal	BIOFUELS	2019
913	Chemistry	Kaushik K Dhar Dubey, Christine Jeyaseelan, Kailash C Upadhyaya, Vivek Chimote, Ravi Veluchamy, Aruna Kumar.	Biodiesel Production from Hiptage benghalensis seed oil.	Industrial Crops and Products,	2019
914	Chemistry	Sadasivuni K.K., Rattan S., Deshmukh K., Muzaffar A., Basheer Ahamed M., Khadheer Pasha S.K., Mazumdar P., Waseem S., Grohens Y., Kumar B.	CHAPTER 12: Hybrid Nano-filler for Value Added Rubber Compounds for Recycling	RSC Green Chemistry	2019
915	Chemistry	Yadav P., Rattan S., Tripathi A., Kumar S.	Cost effective Fe/NG/PMMA nanocomposites for high-performance microwave absorbing applications	Materials Research Express	2019
916	Chemistry	Sole B.B., Seshadri G., Tyagi A.K., Rattan S.	Effect of Sulphur-chlorine bifunctional diol (SCBD) on antimicrobial, thermal and mechanical behavior of polyether block amide (PEBA) based breathable membranes	Journal of Polymer Research	2019
917	Chemistry	Shivani Agarwal, R S Pandey, Christine Jeyaseelan	Exploring the effect of various plasma parameters on the whistler mode growth rates in the Jovian magnetosphere.	Astrophysics and Space Science	2019

918	Chemistry	MohitYadav, SeemaGarg, AmrishChandra, KlaraHernadi	Fabrication of leaf extract mediated bismuth oxybromide/oxyiodide (BiOBr _{1-x} I _x) photocatalysts with tunable band gap and enhanced optical absorption for degradation of organic pollutants	Journal of Colloid and Interface Science	2019
919	Chemistry	Leiser, S.S., Polin, L., Gan-Or, G., Raula, M., Weinstock, I.A.	Hexaniobate Cluster Anion Monolayers on Gold Nanoparticles: A New Structural Role for Alkali Metal Counteranions	Inorganic Chemistry	2019
920	Chemistry	NikitaSharma, ZsoltPap, SeemaGarg, KláraHernádi	Hydrothermal synthesis of BiOBr and BiOBr/CNT composites, their photocatalytic activity and the importance of early Bi ₆ O ₆ (OH) ₃ (NO ₃) ₃ ·1.5H ₂ O formation	Applied Surface Science	2019
921	Chemistry	MohitYadav, SeemaGarg, AmrishChandra, KlaraHernadi	Immobilization of green BiOX (X= Cl, Br and I) photocatalysts on ceramic fibers for enhanced photocatalytic degradation of recalcitrant organic pollutants and efficient regeneration process	Ceramics International	2019
922	Chemistry	Anita Gupta ^{1*} , Rohit Babu Aniyery ² , Anjali Sharma ² , Nahar Singh ³ , Bharti Sharma ⁴	Iron Functionalized Zinc Peroxide nanomaterial for removal of Arsenic and Chromium from contaminated water	Journal of Chemical and Pharmaceutical Sciences	2019
923	Chemistry	Kumar, P., Bose, P.P.	Macrophage ghost entrapped amphotericin B: a novel delivery strategy towards experimental visceral leishmaniasis	Drug Delivery and Translational Research	2019
924	Chemistry	Bharti, A., Jeyaseelan, C.	Quantification of potential impurities present in testosterone undecanoate active pharmaceutical ingredient by stability indicating hplc method using uv detector	Jordan Journal of Pharmaceutical Sciences	2019
925	Chemistry	MohitYadava, SeemaGarg, AmrishChandra, KlaraHernadi	Quercetin-sensitized BiOF nanostructures: An investigation on photoinduced charge transfer and regeneration process for degradation of organic pollutants	Journal of Photochemistry and Photobiology A: Chemistry	2019

926	Chemistry	Sadasivuni K.K., Rattan S., Waseem S., Brahme S.K., Kondawar S.B., Ghosh S., Das A.P., Chakraborty P.K., Adhikari J., Saha P., Mazumdar P.	Silver Nanoparticles and Its Polymer Nanocompositesâ€™ Synthesis, Optimization, Biomedical Usage, and Its Various Applications	Lecture Notes in Bioengineering	2019
927	Chemistry	Kumari V. and Sangal A.	Study of Antimicrobial activity of Star Anise loaded poly (DL-lactide-co-glycolide) nanoparticles	Research J. Pharm. and Tech	2019
928	Chemistry	Yadav P., Rattan S., Tripathi A., Kumar S.	Swift heavy-ions irradiated nano- magnetite/exfoliated-nanographite/polymethylmethacrylate nanocomposites with excellent microwave-absorption performance	Materials Letters	2019
929	Chemistry	BÃ¡rdos, E., KirÃ¡ly, A.K., Pap, Z., Baia, L., Garg, S., HernÃ¡ndez, K.	The effect of the synthesis temperature and duration on the morphology and photocatalytic activity of BiOX (X=Cl, Br, I) materials	Applied Surface Science	2019
930	Chemistry	Chakraborty, B., Gan- Or, G., Duan, Y., Raula, M., Weinstock, I.A.	Visible-Light-Driven Water Oxidation with a Polyoxometalate-Complexed Hematite Core of 275 Iron Atoms	Angewandte Chemie - International Edition	2019
931	Mathematics	Vandani Verma, Aarushi Thakur	A Certificate-Based Proxy Signature Without Message Recovery With Bilinear Pairing	INTERNATIONAL JOURNAL OF SCIENTIFIC & TECHNOLOGY RESEARCH	2019
932	Mathematics	Hemlata Aggarwal, H.D. Arora, Vijay Kumar	A Decision Making Problem As An Application Of Fuzzy Sets	INTERNATIONAL JOURNAL OF SCIENTIFIC & TECHNOLOGY RESEARCH	2019
933	Mathematics	Hemlata Aggarwal, H.D. Arora, Vijay Kumar	A Decision-making Problem as an Applications of Intuitionistic Fuzzy Set	International Journal of Engineering and Advanced Technology	2019

934	Mathematics	Miglani, A., Gupta, H., Khatri, S.K.	A security model to enhance online transactions using blockchain technology	Proceedings of the International Conference on I- SMAC (IoT in Social, Mobile, Analytics and Cloud), I-SMAC 2018	2019
935	Mathematics	Kumar, V., Arora, H.D., Sahni, R.	An assessment of some entropy measures in predicting bugs of open-source software	Advances in Intelligent Systems and Computing	2019
936	Mathematics	Chandra, A., Gupta, S.	Assessment of reliability factors in chocolate manufacturing plant using boolean function technique and neural networking	International Journal of Innovative Technology and Exploring Engineering	2019
937	Mathematics	Singh, S., Singh, A., Gupta, R., Sinha, S.	Automatic segmentation of melanoma affected region for computer-aided diagnosis	2018 International Conference on Computing, Power and Communication Technologies, GUCON 2018	2019
938	Mathematics	Gupta, S, Sharma, Y.	Availability and cost analysis of a two unit cold standby repairable system subject to two types of critical errors	International Journal of Scientific and Technology Research	2019
939	Mathematics	Arora, H.D., Parveen, T.	Computation of various entropy measures for anticipating bugs in open-source software	Advances in Intelligent Systems and Computing	2019
940	Mathematics	Kiran Pal, Vijay Kumar	Diagnosis of vector-borne diseases using MCDM techniques Open Access	International Journal of Engineering and Advanced Technology (IJEAT)	2019
941	Mathematics	Sudipa Chauhan, Sumit Kaur Bhatia, Surbhi Gupta	Effect of Pollution on Dynamics of SIR Model with Treatment	International Journal of Biomathematics,	2019
942	Mathematics	Ramzan, M.B., Qureshi, S.M., Mari, S.I., Memon, M.S., Mittal, M., Imran, M., Iqbal, M.W.	Effect of time-varying factors on optimal combination of quality inspectors for offline inspection station	Mathematics	2019
943	Mathematics	Jayaswal, M.K., Sangal, I., Mittal, M., Malik, S.	Effects of learning on retailer ordering policy for imperfect quality items with trade credit financing	Uncertain Supply Chain Management	2019
944	Mathematics	Mahesh Kumar Jayaswal, Isha Sangal, Mandeep Mittal	Effects of Learning on The Economic Ordering Policies for Defective Items Under Fuzzy Environment with Permissible Delay in Payments	International Journal Revista Invetigacion Operacional (IJRIO)	2019

945	Mathematics	Sumit Kumar Sharma and Shashank Goel,	Frames in Quaternionic Hilbert Spaces	Journal of Mathematical Physics, Analysis, Geometry	2019
946	Mathematics	Vandani Verma , Shivani Rawat	ID- Based Multiuser Signature Schemes And Their Applications	INTERNATIONAL JOURNAL OF SCIENTIFIC & TECHNOLOGY RESEARCH	2019
947	Mathematics	Sunita Mehta, Kuldeep Chaudhary and Pradeep Kumar	Incorporating Dynamic Potential market in Innovation Diffusion Model Using Stochastic Differential Equation	Proceedings of IEOM2019	2019
948	Mathematics	Reshu Agarwal, G.L., Mittal, M.	Inventory classification using multilevel association rule mining	International Journal of Decision Support System Technology	2019
949	Mathematics	Vijay Kumar, Biswajit Sarkar, Alok Nath Sharma, Mandeep Mittal	New product launching with pricing, free replacement, rework, and warranty policies via genetic algorithmic approach	International Journal of Computational Intelligence Systems	2019
950	Mathematics	Pallavi Kharbanda, Divya Agarwal	Non-smooth multi-objective fractional programming problem involving higher order functions	Int. J. Computing Science and Mathematics	2019
951	Mathematics	Joshi S., Mittal E., Pandey R.M.	On euler type integrals involving extended mittag-leffler functions	Boletim da Sociedade Paranaense de Matematica	2019
952	Mathematics	Singh, R., Chauhan, R.	On soft hemineariness spaces	AIP Conference Proceedings	2019
953	Mathematics	Priyanka Vashisht, Vijay Kumar, Rajesh Kumar, Anju Sharma	Optimization of Replica Consistency and Conflict Resolution in Data Grid Environment	International Journal of Mathematical, Engineering and Management Sciences	2019
954	Mathematics	Tomar, A., Arora, R., Chauhan, A.	Propagation of strong shock waves in a non-ideal gas	Acta Astronautica	2019
955	Mathematics	Pandey, A.N., Gupta, H.	Regulatory Framework for Standardization of Online Transactions Using Cryptocurrencies	Advances in Intelligent Systems and Computing	2019

956	Mathematics	Anil Chandra, Surbhi Gupta, C.K.Jaggi	Reliability assessment of photoelectric smoke detector, ionization smoke detector and a fire alarm control panel with both detectors as notification device	IJEAT	2019
957	Mathematics	Pragya Mishra, Vandani Verma	Revocable Identity Based Signature Scheme with Outsourced Cloud Revocation Authority	International Journal of Advanced Trends in Computer Science and Engineering	2019
958	Mathematics	Sumit Kaur Bhatia and Sudipa chauhan	Role of Refuge on Dynamics of Prey- Predator Model With Infected Prey	Commun. Math. Biol. Neurosci	2019
959	Mathematics	Mishra, A., Gupta, R., Jain, S.	Secure and robust color image watermarking scheme using partial homomorphic cryptosystem in ASWDR compressed domain	Multimedia Tools and Applications	2019
960	Mathematics	Sunil JOSHI, Ekta MITTAL, Rupakshi M. PANDEY, Sunil D. PUROHIT	Somr Gruss Type Inequalities involving generalized Fractional Integral operator	Bulletin of the Transilvania University of Bra_Sov ,Series III: Mathematics, Informatics, Physics,	2019
961	Physics	Dr G N Pandey-third	. Temperature sensor and monochromatic filter based on one –dimensional photonic crystal containing Si and SiO ₂ with a defect layer of liquid crystal	OPTOELECTRONICS AND ADVANCED MATERIALS – RAPID COMMUNICATIONS (Romania	2019
962	Physics	Jyoti Katyal	Al-Au heterogeneous dimer-trimer nanostructure for SERS	Nanoscience and Nanotechnology- Asia	2019
963	Physics	Kumari J., Pandey R.S.	Analytical study of Whistler mode waves for relativistic plasma with AC electric field in inner magnetosphere of Saturn	Journal of Astrophysics and Astronomy	2019
964	Physics	Siddheshwar Chopra, Dipti Yadav and Anu Nagpal Chopra	Artificial Neural Networks Based Indian Stock Market Price Prediction: Before and After Demonetization	J Swarm Intel Evol Comput	2019
965	Physics	Prashant Hitashi, Rohit Verma, Parul Khurana, and Sheenam Thatai	Challenges and Influencing Factors of Nanoparticles for Photocatalysis: A Classical Approach in Their Synthesis	Photocatalysis: Perspective, Mechanism, and Applications	2019
966	Physics	Satendra Kumar, Rohit Verma, R. Dhar, and Ambuj Tripathi	Changes in the Thermodynamic Properties of 4-n(Hexyloxy) Benzoic Acid by Li ⁺ Ion Beam Irradiation	AIP Conference Proceedings	2019

967	Physics	Bisoyi, H.K., Singh, G., Fisch, M.R., Agra-Kooijman, D.M., Li, Q., Kumar, S.	Chiral and orientationally ordered fluid mesophases formed by oxadiazole bisaniline based achiral bent mesogens	Liquid Crystals	2019
968	Physics	Jyoti Katyal	Comparative study between different Plasmonic materials and nanostructures for sensor and SERS application	Reviews in Plasmonics 2017, Springer Book series	2019
969	Physics	Jyoti Katyal	Comparison of Localised Surface Plasmon Resonance and Refractive Index Sensitivity for metallic nanostructures	Material Today's: proceeding	2019
970	Physics	Kumar, S., Kang, T.W., Lee, S.J., Yuldashev, S., Taneja, S., Banyal, S., Singhal, M., Ghodake, G., Jeon, H.C., Kim, D.Y., Choubey, R.K.	Correlation of antibacterial and time resolved photoluminescence studies using bio-reduced silver nanoparticles conjugated with fluorescent quantum dots as a biomarker	Journal of Materials Science: Materials in Electronics	2019
971	Physics	K K Bajpai, K Sreenivas, Ajai K. Gupta, A K Shukla	Cr-doped lead lanthanum zirconate titanate (PLZT) ceramics for pyroelectric and energy harvesting device applications	Ceramics International	2019
972	Physics	Manindra Bhushan, Girigesh Yadav, Deepak Tripathi	Effect of Photon Energy on Conventional Intensity Modulated Radiotherapy and Rapid Arc Radiotherapy Planning for Deep- Seated Targets in Carcinoma Cervix	Asian Journal of Oncology	2019
973	Physics	Kumar, S., Jain, A., Panwar, S., Sharma, I., Jeon, H.C., Kang, T.W., Choubey, R.K.	Effect of silica on the ZnS nanoparticles for stable and sustainable antibacterial application	International Journal of Applied Ceramic Technology	2019
974	Physics	S. Pattanaik, S. Martha, M.K. Sharma, S.K. Pradhan, R. Sakthivel, Ratnamala Chatterjee, D.K. Mishra	Enhancement of room temperature ferromagnetism in nanocrystalline $Zr_{1-x}Mn_xO_2$ by the suppression of monoclinic structure of zirconia	Journal of Magnetism and Magnetic Materials	2019
975	Physics	Kaur D., Sharma S.C., Pandey R.S., Gupta R.	Excitation of Gould-Trivelpiece mode by streaming particles in dusty plasma	Laser and Particle Beams	2019

976	Physics	Rajendra Mohan, Mritunjoy Prasad Ghosh, Ravi Kant Choubey, Samrat Mukherjee	Existence of exchange bias and large coercivity in NiFe ₂ O ₄ /CoO core-shell structured nanoparticles	Journal of Materials Science: Materials in Electronics	2019
977	Physics	Ilyass Jellal, Hassan Ahmoum, Yassine Khaaissa, Khalid Nouneh, Mourad Boughrara, Mounir Fahoume, Siddheshwar Chopra, Jamal Naja	Experimental and ab-initio investigation of the microstructure and optoelectronic properties of FCM–CVD-prepared Al- doped ZnO thin films	Applied Physics A	2019
978	Physics	Agarwal S., Pandey R.S., Jeyaseelan C.	Exploring the effect of various plasma parameters on whistler mode growth rates in the Jovian magnetosphere	Astrophysics and Space Science	2019
979	Physics	Suhaas Gupta, Ravi Kant Choubey, Lalit Kumar Sharma, Mritunjoy Prasad Ghosh, Manoranjan Karand Samrat Mukherjee	Exploring the magnetic ground state of vanadium doped zinc sulphide	Semiconductor Science and Technology	2019
980	Physics	Annex E.H., Pandey R.S.	Generation of oblique electromagnetic wave by hot injection electron beam with parallel AC electric field in the magnetosphere of Saturn	Astrophysics and Space Science	2019
981	Physics	H. Ahmoum, M. Boughrara, M. S.Su'ait, S. Chopra and M. Kerouad	Impact of position and concentration of sodium on the photovoltaic properties of zinc oxide solar cells	Physica B: Condensed Matter	2019
982	Physics	u.C.Srivastava & M P Srivastava	Lattice dynamical study of RbF by use of (VTBFS) model potential	Journal of Science and Arts	2019
983	Physics	Kumar, S., Verma, R., Dhar, R., Tripathi, A.	Li +3 ion beam irradiation induced changes in the thermodynamic and electrical parameters of 4-n-(nonyloxy) benzoic acid	Liquid Crystals	2019
984	Physics	C. Konar, M. J. Hardcastle, J. H. Croston, M. Jamrozy, Ananda Hota, and Tapas K. Das	Mode of accretion in episodic radio galaxies and the dynamics of their outer relic lobes	Monthly Notices of Royal Astronomical Society	2019

985	Physics	Dusmanta Patra, Sabyasachi Pal, Chiranjib Konar, Sandip K. Chakrabarti	Multi-frequency Properties of an Interacting Narrow-Angle Tail Radio Galaxy J0037+18	Astrophysics and Space Science	2019
986	Physics	Sanjeev K Srivastava and Alireza Aghajamali	Narrow transmission mode in 1D symmetric defective Photonic Crystal Containing Metamaterial and High Tc Superconductor	Optica Applicata	2019
987	Physics	Mamta Yadav, Subhayan Mandal, and Ashok Kumar	Nonlinear absorption and harmonic generation of laser in an assembly of CNT's	Physics of Plasmas	2019
988	Physics	im, J., Shin, E.-H., Sharma, M.K., Ihm, K., Dugerjav, O., Hwang, C., Lee, H., Ko, K.-T., Park, J.-H., Kim, M., Kim, H., Jung, M.-H.	Observation of Restored Topological Surface States in Magnetically Doped Topological Insulator	Scientific Reports	2019
989	Physics	Siddheshwar Chopra	Optical properties of sub 2nm long (6,5) single-walled carbon nanotubes: first principles investigation	Molecular Physics	2019
990	Physics	Gangwar, L.K., Kumar, A., Singh, G., Choudhary, A., Rajesh, R., Singh, S.P., Biradar, A.M.	Probing the impact of carbon quantum dots on partially unwound helical mode in ferroelectric liquid crystals	Journal of Applied Physics	2019
991	Physics	Keshav Walia, Deepak Tripathi	Self- focusing of elliptical laser beam in cold quantum plasma	Optik - International Journal for Light and Electron Optics	2019
992	Physics	Keshav Walia, Deepak Tripathi	Self-focusing of elliptical laser beam in cold quantum plasma	Optik - International Journal for Light and Electron Optics	2019
993	Physics	Deepak Tripathi, Keshav Walia, and Yachna Tyagi	Stimulated Raman scattering of high power beam in thermal quantum plasma	Optik International Journal for light and electron optics	2019
994	Physics	Shukla K.N., Singh D., Pandey R.S.	Study of relativistic beam of electron on whistler mode waves for subtracted distribution in Saturnian magnetosphere	Astrophysics and Space Science	2019
995	Physics	Kumari J., Pandey R.S.	Study of VLF wave with relativistic effect in Saturn magnetosphere in the presence of parallel A.C. electric field	Advances in Space Research	2019

996	Physics	Asish Kumar, Khem B. Thapa and Girijesh N. Pandey	Temperature sensor and monochromatic filter based on one-dimensional photonic crystal containing Si and SiO ₂ with a defect layer of liquid crystal	OPTOELECTRONICS AND ADVANCED MATERIALS – RAPID COMMUNICATIONS (Romania)	2019
997	Physics	Shukla, A.K., Sharma, A., Sharma, M., Nandan, G.	Thermodynamic investigation of solar energy-based triple combined power cycle	Energy Sources, Part A: Recovery, Utilization and Environmental Effects	2019
998	Physics	U.C. Srivastava & S.P. Singh	Thermophysical and Ultrasonic Properties on Magnesium Oxide	International Journal of Recent Technology and Engineering (IJRTE)	2019
999	Physics	Dr G N Pandey-3	Tunable optical properties of hyperbolic meta-material	Published by AIP Publishing	2019
1000	Physics	3. Sunil Kumar, H.C. Jeon, T.W. Kang, Rajni Seth, Sanjay Panwar, Surendra K. Shinde, D.P. Waghmode, Rijuta Ganesh Saratale and Ravi Kant Choubey	Variation in chemical bath pH and the corresponding precursor concentration for optimizing the optical, structural and morphological properties of ZnO thin films	Journal of Materials Science: Materials in Electronics	2019
1001	Statistics	Ujjaval Srivastava, Kaushalendra Kumar Singh and Anjali Pandey	Estimation of Monthly Probability of Conception based on Lindley Conditional Risk of Intercourse	Journal of Statistics Applications & Probability Letters	2019
1002	Statistics	AJIT CHATURVEDI AND SHANTANU VYAS	Generalized Gamma - Maxwell distribution: Properties and estimation of reliability functions	Journal of Statistics and Management Systems	2019
1003	Statistics	B. B. Khare, Utkarsh, Supriya Khare	On the utilization of known coefficient of variation and preliminary test of significance in the estimation of population mean	International Journal of Agricultural and Statistical Sciences	2019
1004	Statistics	Supriya Khare, Akash Mishra, Utkarsh, R. N.Mishra, Neelima Alka Singh	Predictors of Neonatal and Infant Deaths in India	International Journal of Health Sciences and Research	2019
1005	Statistics	Ashok Kumar, Dheeraj Pawar & S. C. Malik	Profit analysis of a warm standby non- identical unit system with single server performing in normal/abnormal environment	Life Cycle Reliability and Safety Engineering	2019

1006	Statistics	Ashok Kumar, Dheeraj Pawar, S. C. Malik	Profit analysis of a warm standby non- identical units system with single server subject to preventive maintenance	International Journal of Agricultural and Statistical Sciences	2019
1007	Statistics	Mritunjay Pal Singh, Abhishek Bharti and Niraj Kumar Singh	Spatial Statistics Approach for Study of Infant Mortality in Uttar Pradesh, India	Journal of Statistics Applications & Probability	2019
1008	Statistics	Mritunjay Pal Singh, Abhishek Bharti Niraj Kumar Singh	Spatial Statistics for study of infant mortality in Uttar Pradesh	Journal of Statistics Application and Probability	2019
1009	Statistics	Verma, A.K., Singh, D., Singh, S., Yadav, R.R.	Surfactant-free synthesis and experimental analysis of Mn-doped ZnO@glycerol nanofluids: an ultrasonic and thermal study	Applied Physics A: Materials Science and Processing	2019
1010	Statistics	Ashok Kumar, D. Pawar, S. C. Malik	Weathering server system with non- identical units and priority to repair of main unit	Journal of Advanced Research in Dynamical and Control Systems	2019
1011	Chemistry	Dr. Sonal Chauhan- First	An in-vitro evaluation of Tribulus terrestris fruit extract for exploring therapeutic potential against certain gut ailments,	Ind J Exp Biol.	2018
1012	Chemistry	Deepshikha Gupta, AL Verma, Monika Tyagi	Application of ZnO Nanoparticles in enhancing shelf life of cut flowers with special reference to Gerbera jamesonii	Research Journal of Chemistry and Environment	2018
1013	Chemistry	Dr. Sonal Chauhan- First	Barrier strengthening and Anti- inflammantory Effects of Cucurbit Fruits on Intestinal Epithelial Cells In-vitro”,	Current Nutrition and Food Science	2018
1014	Chemistry	Garg, S., Yadav, M., Chandra, A., Sapra, S., Gahlawat, S., Ingole, P.P., Pap, Z., Hernadi, K.	Biofabricated BiOI with enhanced photocatalytic activity under visible light irradiation	RSC Advances	2018
1015	Chemistry	Singh, G., Jeyaseelan, C., Bandyopadhyay, K.K., Paul, D.	Comparative analysis of biodiesel produced by acidic transesterification of lipid extracted from oleaginous yeast Rhodosporidium toruloides	3 Biotech	2018
1016	Chemistry	Sharma R., Madan S., Tiwari S.	Degradation of toxic contaminants in water using nanotitania on flyash substrate	AIP Conference Proceedings	2018
1017	Chemistry	Chakraborty, B., Gan- Or, G., Raula, M., Gadot, E., Weinstock, I A	Design of an inherently-stable water oxidation catalyst	Nature communications	2018

1018	Chemistry	Shaw R., Mittal T., Tiwari S., Tiwari S.K.	Enhanced adsorption at ZnO nanoflakes@zeolite core shell interface: A study of changing adsorption dynamics	Journal of Environmental Chemical Engineering	2018
1019	Chemistry	Garg, S., Yadav, M., Chandra, A., Sapra, S., Gahlawat, S., Ingole, P.P., Todea, M., Bardos, E., Pap, Z., Hernadi, K.	Facile green synthesis of BiOBr nanostructures with superior visible- light-driven photocatalytic activity	Materials	2018
1020	Chemistry	Sharma R., Tiwari S., Tiwari S.K.	Highly Reflective Nanostructured Titania Shell: A Sustainable Pigment for Cool Coatings	ACS Sustainable Chemistry and Engineering	2018
1021	Chemistry	Kaur, R., Khullar, P., Mahal, A., Gupta, A., Singh, N., Ahluwalia, G.K., Bakshi, M.S.	Keto-Enol Tautomerism of Temperature and pH Sensitive Hydrated Curcumin Nanoparticles: Their Role as Nanoreactors and Compatibility with Blood Cells	Journal of Agricultural and Food Chemistry	2018
1022	Chemistry	Duhan, M., Kaur, H., Bhardwaj, R., Kumar, N., Kumar, S., Gupta, A., Gautam, S.	Magnetic metamorphosis of structurally enriched sol-gel derived SnO ₂ nanoparticles	Vacuum	2018
1023	Chemistry	Singhal P., Mazumdar P., Rattan S.	One pot synthesis of free standing highly conductive polymer nanocomposite films: Towards rapid BTX vapor sensor	Polymer Engineering and Science	2018
1024	Chemistry	Garg, S., Yadav, M., Chandra, A., Gahlawat, S., Ingole, P.P., Pap, Z., Hernadi, K.	Plant leaf extracts as photocatalytic activity tailoring agents for BiOCl towards environmental remediation	Ecotoxicology and Environmental Safety	2018
1025	Chemistry	Sole B.B., Seshadri G., Tyagi A.K., Rattan S.	Preparation of antibacterial and antifungal breathable polyether block amide/chloropropane diol membranes via solution casting	Journal of Applied Polymer Science	2018
1026	Chemistry	Saganovich, M., Gadot, E., Raula, M., Weinstock, I.A.	Proton-coupled electron transfer from photo-excited CdS nanoparticles	Journal of Coordination Chemistry	2018

1027	Chemistry	Ziach, K., Chollet, C., Parissi, V., Prabhakaran, P., Marchivie, M., Corvaglia, V., Bose, P.P., Laxmi-Reddy, K., Godde, F., Schmitter, J.- M., Chaignepain, S., Pourquier, P., Huc, I.	Single helically folded aromatic oligoamides that mimic the charge surface of double-stranded B-DNA	Nature Chemistry	2018
1028	Chemistry	Sehgal T., Rattan S.	Stimuli-responsive hydrogels through gamma radiation induced graft copolymerization of hydrophilic monomers onto polymeric films: For biomedical applications	Advances in Polymers for Biomedical Applications	2018
1029	Chemistry	Jeyaseelan, C., Chaudhary, N., Jugade, R.	Sulphate-Crosslinked Chitosan as an Adsorbent for the Removal of Congo Red Dye From Aqueous Solution	Air, Soil and Water Research	2018
1030	Chemistry	Sangam S., Gupta A., Shakeel A., Bhattacharya R., Sharma A.K., Suhag D., Chakrabarti S., Garg S.K., Chattopadhyay S., Basu B., Kumar V., Rajput S.K., Dutta M.K., Mukherjee M.	Sustainable synthesis of single crystalline sulphur-doped graphene quantum dots for bioimaging and beyond	Green Chemistry	2018
1031	Chemistry	Dr. Sonal Chauhan- First	Therapeutic Potential of Cucurbits Against Radiation Induced Inflammation And Damage In Mice Gut.	International Journal of Pharmaceutical Sciences and Research	2018
1032	Chemistry	Mazumdar P., Chockalingam S., Rattan S., Gupta B.K.	Tunable mechanical, electrical, and thermal properties of polymer nanocomposites through GMA bridging at interface	ACS Omega	2018
1033	Chemistry	Thatai, S., Verma, R., Khurana, P., Goel, P., Kumar, D.	Water quality standards, its pollution and treatment methods	A New Generation Material Graphene: Applications in Water Technology	2018
1034	Mathematics	Saniya Batra, Prakriti Rai	A Further Extension of Generalized Hurwitz – Lerch Zeta Function of Two Variables	International Journal of Pure and Applied Mathematics	2018
1035	Mathematics	Pooja, Chaturvedi, P., Kumar, P., Tomar, A.	A novel differential evolution approach for constraint optimisation	International Journal of Bio-Inspired Computation	2018

1036	Mathematics	Gupta, R., Mishra, A., Jain, S.	A semi-blind HVS based image watermarking scheme using elliptic curve cryptography	Multimedia Tools and Applications	2018
1037	Mathematics	Upadhyaya, S. and Shimpy Rani	Analysis of an unreliable retrial queue with J-optional vacations	International Journal of Computer & Mathematical Sciences (IJCMS)	2018
1038	Mathematics	Shweta Upadhyaya	Analysis of discrete-time retrial queue with preferred and impatient customers and starting failure	International Journal of Computer & Mathematical Sciences (IJCMS)	2018
1039	Mathematics	Parveen, T., Arora, H.D.	Applying information measure for predicting release time of open source software	Walailak Journal of Science and Technology	2018
1040	Mathematics	Neelam Sharma ,surbhi gupta	Boolean function approach for Reliability of dual channel logic communication system	Malaya Journal of Matematik	2018
1041	Mathematics	Vinay Gautam, S. P. Tiwari, Priyanka Pal and Jayanti Tripathi	Categories of Automata and Languages Based on a Complete Residuated Lattice	New Mathematics and Natural Computation	2018
1042	Mathematics	Talat Praveen	Congestion pricing, motorcycle, marginal-health cost, generalized cost, EMME-2.	Walailak Journal of Science & Technology	2018
1043	Mathematics	Chauhan, A., Arora, R., Tomar, A.	Convergence of strong shock waves in non-ideal magnetogas dynamics	Physics of Fluids	2018
1044	Mathematics	V Kumar, VB Singh, A Dhamija, S Srivastav	Cost-Reliability-Optimal Release Time of Software with Patching Considered	International Journal of Reliability, Quality and Safety Engineering	2018
1045	Mathematics	Sumit Kaur Bhatia, Sudipa Chauhan and Vaishali Tyagi	Dynamics of Influenza A(H1N1) Epidemic Model with Vaccination under the influence of Recruitment Rate	International Journal of Applied Mathematics and Statistics	2018
1046	Mathematics	Sudipa Chauhan, Sumit Kaur Bhatia, and Swati Sharma	Effect of Delay on Single Population with Infection in Polluted Environment	International Journal of Mathematics and Computation	2018
1047	Mathematics	Tvagi, V., Kaur Bhatia, S., Chauhan, S., Kumari, V.	Effect of Holling type II Function in Stage Structured Model with Maturation Delay	Proceedings of the 8th International Conference Confluence 2018 on Cloud Computing, Data Science and Engineering, Confluence 2018	2018

1048	Mathematics	Dongmin Shin, Mandeep Mittal and Biswajit Sarkar	Effects of human errors and trade- credit financing in a two-echelon supply chain model	European Journal of Industrial Engineering	2018
1049	Mathematics	Rita Yadav, Sarla Pareek, Mandeep Mittal*, Sumil Mehta	Effects of imperfect quality items in the asymmetric information structure in supply chain model	Uncertain Supply Chain Management	2018
1050	Mathematics	Gupta, P., Arora, H.D., Tiwari, P., Goyal, P.	Fuzzy directed divergence measure and its application to decision making	Songklanakarin Journal of Science and Technology	2018
1051	Mathematics	Mandeep Mittal*, Nagpal, C., Malhotra, N., Lambora, A., Agarwal, R. and Mehta	Genetic model for supply chain inventory optimization	International Journal Supply Chain and Operations Resilience	2018
1052	Mathematics	Sudipa Chauhan, Sumit Kaur Bhatia, and Swati Sharma	Harvesting of Stage Structured Fishery Model in the presence of Toxicity	Electronic Journal of Mathematical Analysis and Applications	2018
1053	Mathematics	Chaudhary, K., Kumar, K., Mehta, S.	Incorporating repeat purchasing in innovation diffusion model using stochastic differential equations	Proceedings of the International Conference on Industrial Engineering and Operations Management	2018
1054	Mathematics	S. Hans, D. Tripathi, A. A. Mogbademu, Babita Tyagi	Inequalities For rational functions with prescribed poles	Journal of Interdisciplinary Mathematics	2018
1055	Mathematics	N. K. GOVIL AND S. HANS	ON SHARPENING OF A THEOREM OF T. J. RIVLIN	Journal of Classical Analysis	2018
1056	Mathematics	Reshu Agarwal, Sarla Pareek, B Sarkar, Mandeep Mittal	Ordering policy using multi-level association rule mining	International Journal of Information Systems and Supply Chain Management	2018
1057	Mathematics	Shweta Upadhyaya	Performance analysis of a discrete- time Geo/G/1 retrial queue under J- vacation policy	International Journal of Industrial and Systems Engineering (Inderscience)	2018
1058	Mathematics	Gahlot, M., Singh, V.V., Ayagi, H.I., Goel, C.K.	Performance assessment of repairable system in series configuration under different types of failure and repair policies using copula linguistics	International Journal of Reliability and Safety	2018
1059	Mathematics	Vandana Kumari, Sudipa Chauhan, Sumit Kaur Bhatia, Joydip Dhar	Plant-pest-natural enemy model with impulsive biological and chemical control	Differential Equation and Application	2018

1060	Mathematics	Shandilya, A., Gupta, H., Khatri, S.K.	Role and Applications of Iot in Online Transactions using Blockchain Technology	Proceedings on 2018 International Conference on Advances in Computing and Communication Engineering, ICACCE 2018	2018
1061	Mathematics	Aakanshi Gupta, Bharti Suri, Vijay Kumar, Sanjay Misra, Tomas Blažauskas, Robertas Damaševičius	Software code smell prediction model using shannon, rényi and tsallis entropies	Entropy	2018
1062	Mathematics	Aparna Chaturvedi, Prakriti Rai	Some Applications of Generalized Extended Fractional Derivative Operator	Ganita	2018
1063	Mathematics	Chaturvedi, A., Rai, P.	Some properties of extended hypergeometric function and its transformations	Journal of the Indian Mathematical Society	2018
1064	Mathematics	Upadhyaya, S. and Vaishnawi	State dependent MX/G/1 G-queue with working vacation and vacation interruption	International Journal of Computer & Mathematical Sciences (IJCMS)	2018
1065	Mathematics	Rita Yadav, Sarla Pareek, Mandeep Mittal	Supply chain model for imperfect quality items with trade credit financing: Game theoretic approach	International Journal Revista Invetigacion Operacional (IJRIO)	2018
1066	Mathematics	Rita Yadav, Sarla Pareek, Mandeep Mittal	Supply chain models with imperfect quality items when end demand is sensitive to price and marketing expenditure	RAIRO-Operations Research	2018
1067	Mathematics	Majumder, R., Som, S., Gupta, R.	Vulnerability prediction through self- learning model	2017 International Conference on Infocom Technologies and Unmanned Systems: Trends and Future Directions, ICTUS 2017	2018
1068	Mathematics	Malik, G. and Upadhyaya, S.	Working avcation policy for bulk retrial G-queue with Bernoulli feedback and delayed repair	International Journal of Computer & Mathematical Sciences (IJCMS)	2018
1069	Physics	Sunil Kumar, H.C. Jeon, T.W. Kang, Rajesh Kalia, J.K. Sharma, Sanjay Panwar, Sapna Kalia, Vandana Sharma and R. K. Choubey	“Development of Humidity Sensor using Nanoporous Polycarbonate Membranes”	Russian Journal of Physical Chemistry A	2018

1070	Physics	SATYENDRA PRATAP SINGH	Analysis of dielectric parameters and penetration depth of tomato sauces	Journal of Food Processing & Technology	2018
1071	Physics	Siddheshwar Chopra	Boron fullerenes, B _n (n=20, 30, 38, 40, 50, 60): First principle calculations of electronic and optical properties	Journal of Molecular Graphics and Modelling	2018
1072	Physics	Singh, S.P., Chandel, V.S., Manohar, R.	Dielectric study of Clove oil	Journal of Ayurveda and Integrative Medicine	2018
1073	Physics	Bhushan, M., Yadav, G., Tripathi, D., Kumar, L., Kishore, V., Dewan, A., Kumar, G., Wahi, I.K., Gairola, M.	Dosimetric Analysis of Unflattened (FFFB) and Flattened (FB) Photon Beam Energy for Gastric Cancers Using IMRT and VMAT – a Comparative Study	Journal of Gastrointestinal Cancer	2018
1074	Physics	Kumari J., Kaur R., Pandey R.S.	Effect of hot injections on electromagnetic ion-cyclotron waves in inner magnetosphere of Saturn	Astrophysics and Space Science	2018
1075	Physics	Singh, G., Fisch, M.R., Kumar, S.	Electrically tunable photoluminescence of semiconducting quantum dots doped nematic liquid crystal nanocomposites	AIP Conference Proceedings	2018
1076	Physics	SATYENDRA PRATAP SINGH	Electro Optical Properties of Cholesteric Liquid Crystal	Archives of Physics Research	2018
1077	Physics	Tanbir, K., Sharma, L.K., Aakash, Singh, R.K., Choubey, R.K., Mukherjee, S.	Evidence of exchange-coupled behavior in chromium-cobalt ferrite nanoparticles	Evidence of exchange- coupled behavior in chromium-cobalt ferrite nanoparticles	2018
1078	Physics	Dwivedi, A., Verma, R., Dhar, R., Dabrowski, R.	Exploration of dielectric relaxations of a room temperature anti-ferroelectric liquid crystal mixture	AIP Conference Proceedings	2018
1079	Physics	G. N. Pandey and Khem B Thapa,	Extension of Photonic Band Gap in One- Dimensional Ternary Metal-Dielectric Photonic Crystal	AIP Conference Proceedings	2018
1080	Physics	Kandpal P., Pandey R.S.	Higher harmonics electrostatic ion cyclotron parallel flow velocity shear instability with inhomogeneous DC electric field in the magnetosphere of Saturn	Astrophysics and Space Science	2018

1081	Physics	Kumar, S., Verma, R., Dwivedi, A., Dhar, R., Tripathi, A.	Improving the thermal stability and electrical parameters of a liquid crystalline material 4-n-(nonyloxy) benzoic acid by using Li ion beam irradiation	AIP Conference Proceedings	2018
1082	Physics	Tyagi, Y., Tripathi, D., Walia, K., Garg, D.	Ion acoustic wave assisted laser beat wave terahertz generation in a plasma channel	Physics of Plasmas	2018
1083	Physics	Pandey R.S., Singh V., Rani A., Varughese G., Singh K.M.	Oblique propagating electromagnetic ion - Cyclotron instability with A.C. field in outer magnetosphere	AIP Conference Proceedings	2018
1084	Physics	Siddheshwar Chopra, Dipti Yadav and Anu Nagpal Chopra	Ozone Hole Area Prediction at Earth's North and South Poles by Marvel Interface	J Swarm Intel Evol Comput	2018
1085	Physics	Sharma, M., Shukla, A.K., Singh, A., Johri, S., Singh, H.P.	Parametric analysis of solar energy conversion system using parabolic concentrator and thermopile	International Journal of Ambient Energy	2018
1086	Physics	u c srivastava	Phonon Study of Mg ₂ SiO ₄ by using [VTBFS] Model	Der Pharma Chemica	2018
1087	Physics	Katyal, J.	Plasmonic coupling in Au, Ag and Al nanosphere homodimers for sensing and SERS	Advanced Electromagnetics	2018
1088	Physics	K K Bajpai, K Sreenivas, Ajai K. Gupta, A K Shukla,	Pyroelectric properties of (Ba _{1-x} Cd _x)(Zr _{0.13} Ti _{0.87})O ₃ ferroelectric ceramics in polymorphic state	Ceramics International	2018
1089	Physics	Rakshit, S., Stalin, C.S., Hota, A., Konar, C.	Rare Finding of a 100 Kpc Large, Double-lobed Radio Galaxy Hosted in the Narrow-line Seyfert 1 Galaxy SDSS J103024.95+551622.7	Astrophysical Journal	2018
1090	Physics	Dr Adarsh Kumar	Satellite derived spatio-temporal characteristics of aerosol optical depths and cloud parameters over tropical Indian region	Journal of Indian Geophysical Union	2018
1091	Physics	Pandeya G.N., Thapa K.B.	Some optical properties of one dimensional annular photonic crystal with plasma frequency	AIP Conference Proceedings	2018
1092	Physics	N Jeni Victor, T Dharmaraj, G R Chinthalu, & Devendraa Siingh	Spatial and temporal variability of atmospheric surface albedo over the central north region of India for the period of 2004-2016	Journal of Indian Geophysical Union	2018
1093	Physics	Sharma, M.K., Sharma, M., Chandra, S.	Strengths of rotational lines from H ₂ CC molecule: Addressing tentative detection	Molecular Astrophysics	2018

1094	Physics	Kandpal P., Pandey R.S.	Study of Electromagnetic Electron Cyclotron Waves for Kappa Distribution with AC Field in the Magnetosphere of Saturn	Plasma Physics Reports	2018
1095	Physics	Kandpal P., Pandey R.S.	Study of electrostatic electron cyclotron parallel flow velocity shear instability in the magnetosphere of Saturn	AIP Conference Proceedings	2018
1096	Physics	Sharma, M.K., Sharma, M., Chandra, S.	Suggestion for search of ethylene oxide (C_2H_4O) in a cosmic object	Astrophysics and Space Science	2018
1097	Physics	Sharma, M.K., Sharma, M., Chandra, S.	Suggestion for search of silanone (H_2SiO) in interstellar medium	Advances in Space Research	2018
1098	Physics	Sharma, M.K., Sharma, M., Chandra, S.	Suggestion for the search of 2- aminoethanol in a cosmic object	Astronomische Nachrichten	2018
1099	Physics	Uc srivastava	Unified study of ND4I by lattice dynamical approach	Journal of Science and Arts	2018
1100	Physics	Kandpal P., Kaur R., Pandey R.S.	Velocity shear Kelvin-Helmholtz instability with inhomogeneous DC electric field in the magnetosphere of Saturn	Advances in Space Research	2018
1101	Physics	Kumar, S., Surbhi, Yadav, M.K.	Vibrational Spectroscopic Investigation, First Hyper Polarizability and HOMO-LUMO Analysis of Tetrahydroxy- 1,4Quinone Hydrate Using Density Functional Theory and Hartree-Fock Method	Russian Journal of Physical Chemistry B	2018
1102	Physics	Kumari J., Pandey R.S.	Whistler mode waves for ring distribution with A.C. electric field in inner magnetosphere of Saturn	Astrophysics and Space Science	2018
1103	Statistics	B. B. Khare, Utkarsh, Supriya Khare	A Modified Generalized Chain Regression Cum Ratio Estimator for Population Mean in the presence of Non-response	Journal of Statistics Applications & Probability	2018
1104	Statistics	Ujjaval Srivastava, Kaushalendra K. Singh, Prashant Verma, Anjali Pandey, Anjali Singh, Ruchi Mishra	Adolescents' Insight into STDs, HIV/AIDS and Family Welfare Methods: Current Status and Myths from School Based Study in Varanasi, India	Demography India	2018

1105	Statistics	Sole Author	An Efficient Dual to Ratio-cum- Product Estimator for the Population Mean in Stratified Random Sampling	International Journal of Scientific Research in Mathematical and Statistical Sciences	2018
1106	Statistics	B. B. Khare, Utkarsh, Supriya Khare	An efficient generalized chain regression cum ratio estimator for population mean in the presence of non-response	Application of Statistical and Computational Softwares	2018
1107	Statistics	Ashok Kumar, Dheeraj Pawar, S. C. Malik	Economic analysis of a warm standby system with single server	International Journal of Mathematics and Statistics Invention	2018
1108	Statistics	B. B. Khare, Utkarsh, Supriya Khare	Generalized and transformed two phase sampling Ratio and Product Type Estimators for Population Mean Using Auxiliary Character in the presence of Unit non-response on study and auxiliary Character	Journal of Scientific Research, B.H.U	2018
1109	Statistics	B. B. Khare, Utkarsh, Supriya Khare	Improved Class Of Chain Type Estimators For Product Of Two Population Means Using Two Auxiliary Characters In The Presence Of Non-response	International Journal of Engineering and Future technology	2018
1110	Statistics	Dharma Raj ^{1,*} , Bhanu Pratap Singh ¹ , Brijesh Pratap Singh ¹ and Niraj Kumar Singh ²	Intergenerational Social Mobility among Construction labourers in Varanasi city	Journal of Statistics Application and Probability Letters	2018
1111	Statistics	Anjali Pandey, K. K. Singh & Anjali Singh	On Estimation of Fertility Measures: Visualizing the Future Courses through Stochastic Model	Demography India	2018
1112	Statistics	Ashok Kumar, S. C. Malik, Dheeraj Pawar	Profit analysis of a warm standby non- identical units system with single server subject to priority	International Journal on Future Revolution in Computer Science & Communication Engineering	2018
1113	Statistics	Reetu Rathee, D. Pawar, S. C. Malik	Reliability modeling and analysis of a parallel unit system with priority to repair over replacement subject to maximum operation and repair times	International Journal of Trend in Scientific Research and Development	2018
1114	Statistics	Reetu Rathee, D. Pawar, S.C. Malik	Reliability Modelling and Analysis of Parallel Unit System with Priority to Repair over Replacement Subject to Maximum Operation and Repair Times	International Journal of Trend in Scientific Research and Development	2018

1115	Statistics	M. P. Singh, Abhishek Bharti, Niraj Kr Singh, R D Singh	Spatial Scan Study for mortality Under Age 5 year in the EAG States and Assam	International Journal of Statistics and Economics	2018
1116	Chemistry	Mittal T., Tiwari S., Tiwari S.K.	A facile process for fabrication of environmentally safe superhydrophobic surfaces	Journal of Coatings Technology and Research	2017
1117	Chemistry	Mittal T., Tiwari S., Mehta A., Tiwari S.K., Sharma S.N.	Comparison of polymeric stabilization of organic/inorganic (MEH-PPV/TiO ₂) hybrid composites synthesized via different routes	Colloid and Polymer Science	2017
1118	Chemistry	Yadav P., Rattan S., Tripathi A., Kumar S.	Cost efficient PMMA/NG nanocomposites for electromagnetic interference shielding applications	Materials Research Express	2017
1119	Chemistry	Sharma R., Tiwari S.	Design of fly ash based core shell composites as heat reflective coatings for sustainable buildings	Springer Proceedings in Physics	2017
1120	Chemistry	Shaw R., Sharma R., Tiwari S.	Fly ash based zeolite as an anti- corrosive pigment in paints	Springer Proceedings in Physics	2017
1121	Chemistry	Mazumdar P., Rattan S.	Improved electrical and thermal properties of TETA functionalized NGPs/Epoxy nanocomposites	Springer Proceedings in Physics	2017
1122	Chemistry	Singhal P., Raghavan S., Rattan S., Diwan R.K.	Polypropylene/glass fiber composites for low cost orthotic aid	Springer Proceedings in Physics	2017
1123	Chemistry	Jain V.K., Rattan S., Verma A.	Preface	Springer Proceedings in Physics	2017
1124	Chemistry	Gupta, A., Kaur, H., Kumar, S.	Structural and morphological characterization of transition metal (Fe, Co) doped SnO ₂ nanoparticles	Springer Proceedings in Physics Volume 178, 2017	2017
1125	Chemistry	Mittal T., Tiwari S., Sharma S.N.	Unusual photocatalytic activity of Cr- doped TiO ₂ nanoparticles	Springer Proceedings in Physics	2017
1126	Mathematics	Sumit Kaur Bhatia, Sudipa Chauhan, Apurva Agarwal	A Stage-Structured Prey- Predator Fishery Model In The Presence Of Toxicity With Taxation As A Control Parameter of Harvesting Effort	Journal of Non- Linear Analysis and Application	2017
1127	Mathematics	Sumit Kaur Bhatia, Sudipa Chauhan , Apurva Agarwal	A Stage-Structured Prey Predator Fishery Model In The Presence Of Toxicity With Taxation As A Control Parameter of Harvesting Effort”	Journal Nonlinear Analysis and Application	2017
1128	Mathematics	Pramila Shukla and Ranjana Prakash	Birefringence of vacuum in the presence of a counterpropagating electromagnetic wave	International Journal of Modern Physics B	2017

1129	Mathematics	Abhishek Singh and P.K. Banerji	Cauchy representation for Fractional Fourier transform for Boehmians	.	2017
1130	Mathematics	Saniya Batra, Prakriti Rai, S.N.Singh	Certain Double Series Rogers- Ramanujan Type Identities	South East Asian Journal of Mathematics and Mathematical Science	2017
1131	Mathematics	SACHEENDRA SHUKLA, S N PANDEY	Conformally invariant gravitational waves in a zeldovich fluid distribution	International Journal of Pure and Applied Mathematics	2017
1132	Mathematics	Abhishek	Development of real-time immuno- PCR for the quantitative detection of mycobacterial PstS1 in tuberculosis patients	Journal of microbiological methods 132, 134-138	2017
1133	Mathematics	Sudipa Chauhan, Sumit Kaur Bhatia, Preeti Chaudhary	Effect of Pollution on Prey-Predator system with infected Predator	Materials Today: Proceedings	2017
1134	Mathematics	Talat Parveen	Estimating Release Time and Predicting Bugs with Shannon Entropy Measure and Their Impact on Software Quality	Thai Journal of Mathematics	2017
1135	Mathematics	E.Mittal,S,Joshi,R.M.Pandey,V.N.Mishra	Fractional Integral and Integral Transformation formulae using generalized Appell Hypergeometric functions	Nonlinear Science Letters A	2017
1136	Mathematics	Abhishek Singh and P.K. Banerji	Fractional integrals of fractional Fourier transform for integrable Boehmians	IJPAM	2017
1137	Mathematics	Anupam K. Singh	FUZZY PREORDERED SET, FUZZY TOPOLOGY AND FUZZY AUTOMATON BASED ON GENERALIZED RESIDUATED LATTICE	Annals of fuzzy Mathematics and Informatics (AFMI)	2017
1138	Mathematics	S. Hans, D. Tripathi; and Babita Tyagi	INEQUALITIES DESCRIBING THE GROWTH OF POLYNOMIALS	Nonlinear Science Letters A	2017
1139	Mathematics	N Bhatt, A Anand, VSS Yadavalli, V Kumar	Modeling and Characterizing Software Vulnerabilities	International Journal of Mathematical, Engineering and Management Sciences	2017
1140	Mathematics	V Kumar, PK Kapur, N Taneja, R Sahni	On allocation of resources during testing phase incorporating flexible software reliability growth model with testing effort under dynamic environment	International Journal of Operational Research	2017

1141	Mathematics	S Biswas	On an application of Geiger–Muller counter model (Type-II) for optimization relating to hospital administration	Acta Medica International	2017
1142	Mathematics	S. Biswas	On The Estimation of Double Decrement Life-Table of HIV Population	INTERNATIONAL JOURNAL OF ECOLOGICAL ECONOMICS & STATISTICS	2017
1143	Mathematics	Neelam sharma , Surbhi Gupta,Ekta gupta	Operational Readiness of Traffic Signal System with Human Error under Environmental Conditions	IOSR Journal of Mathematics	2017
1144	Mathematics	Anil chandra ,Surbhi Gupta	Performance Analysis of Gold Extraction Process system under different Failure using Boolean Algebra	International Journal of Computer Sciences and Engineering	2017
1145	Mathematics	Dr. Anjali Naithani, Dr. Bhupender Parashar, Prof. P. K. Bhatia, Prof. GulshanTaneja	Probabilistic Analysis of a 3-Unit Induced Draft Fan System with one warm Standby with Priority to repair of the Unit in Working State	International Journal of System Assurance Engineering and Management (Springer)	2017
1146	Mathematics	Mandeep Mittal, Aditi Khanna* and C K Jaggi	Retailer's ordering policy for deteriorating imperfect quality items when demand and price are time- dependent under inflationary conditions and permissible delay in payments	International Journal of Procurement Management	2017
1147	Mathematics	Aparna Chaturvedi, Prakriti Rai	Some Families of Generating Functions for A class of Extended Bivariate Polynomials	International Journal of Pure and Applied Mathematics	2017
1148	Mathematics	E.Mittal,S.Joshi,R.M.P andey	Study of Generating Function involving Generalized Lauricella function	International Journal of Mathematics trends and Technology (IJMTT)	2017
1149	Physics	Mohit K. Sharma, Monika Sharma & Suresh Chandra	. Rotational quenching of H ₂ CO by molecular hydrogen - suggestion on the work of Wiesen- feld & Faure	Pramana	2017
1150	Physics	Mohit K. Sharma, Pramod G. Musrif, Monika Sharma & Suresh Chandra	. Suggestion for search for TiH ₂ molecule in an interstellar molecular cloud	Astronomische Nachrichten	2017

1151	Physics	Bhavesh Kumar Dadhich, Indrajit Kumar, Ravi Kant Choubey, Bhavya Bhushan, and Amiya Priyam	“Shape and Size Dependent Nonlinear Refraction and Absorption in Citrate- stabilized, Near-IR Plasmonic Silver Nanopyramids”	Photochemical & Photobiological Sciences	2017
1152	Physics	Sidra Aijaz, Arham Shareef Ahmed, R. S. Pandey and Ravi Kant Choubey	“Synthesis, Structural and Optical Properties of Transition Metal Doped ZnO Nanoparticles”	Recent Trends in Materials and Devices, Volume 178 of the series Springer Proceedings in Physics	2017
1153	Physics	Gurunath Jadhav, Sanjay Sahare, Dipti Desai, Tejashree M Bhawe, S. N. Kale and Ravi Kant Choubey	Effect of Copper Doping on Physical Properties of Cadmium Oxide Thin Films	Recent Trends in Materials and Devices, Volume 178 of the series Springer Proceedings in Physics,	2017
1154	Physics	K K Bajpai, K Sreenivas, O P Thakur, A R James, A K Shukla	Influence of Cd doping on the electro- strain of barium zirconate titanate ceramics	Ceramics International	2017
1155	Physics	Deepak Tripathi, Keshav Walia and Yachna Tyagi	Investigation of weakly relativistic ponderomotive effects on selffocusing during interaction of high power elliptical laser beam with plasma	Communication of Theoretical Physics	2017
1156	Physics	Yachna Tyagi, Deepak Tripathi, and Keshav Walia	Laser second harmonic generation in a magnetoplasma assisted by an electrostatic wave	Physics of Plasmas (AIP)	2017
1157	Physics	u c srivastava	Medical Aspects and Role of Van der Waals forces	Der Pharma Chemica	2017
1158	Physics	L. Wang, H. K. Bisoyi, Z. Zheng, Karla G. Gutierrez-Cuevas, G. Singh, S. Kumar, T. J. Bunning, and Q. Li	Mesogen-Functionalized Graphene- Embedded Self-Organized Chiral Superstructures for Adaptive Window	Materials Today	2017
1159	Physics	J. P. Pandey and G. N. Pandey	Omni directional Reflection Behavior of Negative Index Materials	International Journal of Pure and Applied Physics	2017
1160	Physics	J.P. Pandey and G. N. Pandey	Omnidirectional Band Gap in Hetrostructure Materials Composed of Meta-Materials and Magnetic Materials	International Journal of Engineering Research and Application	2017
1161	Physics	Mohit K. Sharma, Monika Sharma, Arvind K. Sharma & Suresh Chandra	On partition function in Astronomy & Astrophysics	Astronomische Nachrichten	2017

1162	Physics	Jyoti Katyal	Oxide layered nanostructure for sensing application	International journal of Advanced Research in Science and Engg	2017
1163	Physics	u c srivastava	Phonon Dynamical Study of Copper by Using [VTBFS] Models	Journal of Science and Arts	2017
1164	Physics	G N Pandey	Photonic Band Gap in One- Dimensional Ternary Metal-Dielectric Photonic Crystal	International Journal of Engineering Research and Application	2017
1165	Physics	Jyoti Katyal	Plasmonic layered nanostructure for deep UV-UV biosensing	International journal of Advanced Research in Science and Engg.	2017
1166	Physics	D.K. Mishra, S. Pattanaik, S. Dash, M.K. Sharma, P. Kumar, S. Ray, Ratnamala Chatterjee, D. Kanjilal	Signature of magnetization in Xe ions implanted ZnO: Correlation with oxygen defects as probed by photoelectron spectroscopy	Journal of Nanoscience and Nanotechnology	2017
1167	Physics	Rohit Verma, Mukesh Mishra, R. Dhar, R. Dabrowski	Single Walled Carbon Nanotubes Persuaded Optimization of the Thermodynamic, Electrical and Electro- optical Characteristics of a Room Temperature Liquid Crystal Display Material "4-Pentyl-4'cyanobiphenyl	Springer Proc. in Phys.	2017
1168	Physics	Kaur R., Pandey R.S.	Study of electron beam on electron cyclotron waves with AC field in the magnetosphere of uranus	Advanced Electromagnetics	2017
1169	Physics	Kaur R., Pandey R.S.	Study of oblique propagating whistler mode waves in presence of parallel DC electric field in magnetosphere of saturn	Advanced Electromagnetics	2017
1170	Physics	Kaur R., Pandey R.S.	Study of whistler mode waves for ring distribution function in Saturn's magnetosphere	Advances in Space Research	2017
1171	Physics	Mohit K. Sharma, Monika Sharma & Suresh Chandra	Suggestion for search of cyclopropanone (c-C ₃ H ₂ O) in a cosmic object	Molecular Astrophysics	2017
1172	Physics	Mohit K. Sharma, Monika Sharma & Suresh Chandra	Suggestion for the detection of TiO ₂ in interstellar medium	Astrophysics and Space Science	2017

1173	Physics	Sidra Aijaz, Arham Shareef Ahmed, R. S. Pandey and Ravi Kant Choubey	Synthesis, Structural and Optical Properties of Transition Metal Doped ZnO Nanoparticles	Recent Trends in Materials and Devices, Volume 178 of the series Springer Proceedings in Physics	2017
1174	Physics	Mohit K. Sharma, Monika Sharma & Suresh Chandra	Temperature dependence of collisional rate coefficients for rotational transitions: a-type asymmetric top molecules	New Astronomy	2017
1175	Physics	D. M. Agra-Kooijman, G. Singh, M. R. Fisch, M. R. Vengatesan, J. - K. Song, and S. Kumar	The oblique chiral nematic phase in calamitic bimesogens	Liquid Crystals	2017
1176	Physics	I. Sarvendra Kumar, Surbhi, M. K. Yadav	Ultraviolet absorption spectra, solvent effect and Non-linear Optical properties of tetrahydroxy 1- 4 quinone hydrate by Hartee fock and Density functional theory	Asian Journal of Chemistry'	2017
1177	Physics	Siddheshwar Chopra and Felix Plasser	UV Absorption in metal decorated Boron nitride flakes: A theoretical analysis of excited states	Molecular Physics	2017
1178	Statistics	Mritunjay Pal Singh., Abhishek Bharti., Niraj Kumar Singh and Singh R. D	District Based Clustered Study for Child Mortality in EAG States and Assam	International Journal of Current Advanced Research	2017
1179	Statistics	Niraj Kr Singh, Ajay Singh	KAP of Self-Medication among Rural Residents of Western Uttar Pradesh	Demography India	2017
1180	Statistics	B. B. Khare and Utkarsh	Two General Classes of Chain Type Estimators for Product of Two Population Means Using Two Auxiliary Characters in the Presence of Non-response	International Journal of Statistics & Economics	2017
1181	Chemistry	Panda B.	A survey on the present status of sustainable technologies for water pollutant abatement	Desalination and Water TreatmentVolume 57, Issue 59, 19 December 2016	2016
1182	Chemistry	Mittal T., Tiwari S., Mehta A., Sharma S.N.	An insight into the mechanism of charge transfer properties of hybrid organic (MEH-PPV): Inorganic (TiO ₂) nanocomposites	AIP Conference Proceedings	2016
1183	Chemistry	Maan A., Singh A.K., Mehra D.S., Rattan S.	Development and characterization of fly ash/crumb rubber reinforced natural rubber composite	Asian Journal of Chemistry	2016

1184	Chemistry	Shaw R., Tiwari S.	Fly ash based zeolitic pigments for application in anticorrosive paints	AIP Conference Proceedings	2016
1185	Chemistry	Jeyaseelan, C., Gupta, A.	Green tea leaves as a natural adsorbent for the removal of Cr(VI) from aqueous solutions	Air, Soil and Water Research 9	2016
1186	Chemistry	Aniyery, R.B., Sharma, A., Gupta, A.	Molecular docking studies and in silico pharmacokinetic property study of synthesized organotin complex of (1r, 2s, 5r)-2-isopropyl-5- methylcyclohexanol	Journal of Chemical and Pharmaceutical Sciences	2016
1187	Chemistry	Singh D., Devi N., Kumar V., Malakar C.C., Mehra S., Rattan S., Rawal R.K., Singh V.	Natural product inspired design and synthesis of $\hat{I}^2$ -carboline and $\hat{I}^3$ - lactone based molecular hybrids	Organic and Biomolecular Chemistry	2016
1188	Chemistry	Gupta, D., Kaur, P.	Physiochemical evaluation and in vitro antioxidant activity of few wonder seeds	International Journal of Pharmacy and Pharmaceutical Sciences, 8 (7),	2016
1189	Chemistry	Payal Mazumdar, Prachi Singhal, R. K Diwan, Sunita Rattan	Poly(4-vinylpyridine) / Nanographite Nanocomposites as Organic Vapor Sensors	AIP Conf. Proc	2016
1190	Chemistry	Mazumdar P., Singhal P., Diwan R.K., Rattan S.	Poly(4-vinylpyridine)/Nanographite nanocomposites as organic vapor sensors	AIP Conference Proceedings	2016
1191	Chemistry	Dr. Sonal Chauhan-3	Radioprotective potential of Lagenaria siceraria extract against radiation induced gastrointestinal injury	Applied Physiology, Nutrition and Metabolism.	2016
1192	Chemistry	Mazumdar P., Chockalingam S., Rattan S.	Strategy to synthesise nano- engineered polymer nanocomposite with a mechanically strong interface: A highly flexible ammonia gas sensor	RSC Advances	2016
1193	Chemistry	Shaw, R., Sharma, R., Tiwari, S., Tiwari, S.K	Surface Engineered Zeolite: An Active Interface for Rapid Adsorption and Degradation of Toxic Contaminants in Water	2016) ACS Applied Materials and Interfaces, 8 (19)	2016
1194	Chemistry	Singhal P., Rattan S.	Swift Heavy Ion Irradiation as a Tool for Homogeneous Dispersion of Nanographite Platelets within the Polymer Matrices: Toward Tailoring the Properties of PEDOT:PSS/Nanographite Nanocomposites	Journal of Physical Chemistry B	2016

1195	Chemistry	Sharma R., Tiwari S.	Synthesis of fly ash based core-shell composites for use as functional pigment in paints	AIP Conference Proceedings	2016
1196	Mathematics	Kuldeep chaudhary, Gupta S., Gupta M., and Sethi P.K	A study on the profitability analysis of power grid corporation of India Ltd	Proceedings of IEOM, Kuala Lumpur, 8-10 March 2016	2016
1197	Mathematics	Dongmin Shin, Rekha Guchhait, Biswajit Sarkar* and Mandeep Mittal	Controllable lead time, service level constraint, and transportation discounts in a continuous review inventory model	RAIRO - Operations Research	2016
1198	Mathematics	Aditi Khanna, Mandeep Mittal, Prena Gautam and C K Jaggi	Credit financing for deteriorating imperfect quality items with allowable shortages	Decision Science Letters	2016
1199	Mathematics	Neha Bhardwaj and Naokant Deo	Direct and Inverse Theorems for Beta Durrmeyer Operators	Korean Journal of Mathematics	2016
1200	Mathematics	Sudipa Chauhan, Sumit Kaur Bhatia, Nidhi Purohit	Dynamics of SIRS Model with single time Delay	Industrial Mathematics and Complex System, Springer	2016
1201	Mathematics	Dr. H. D. Arora	Generalized entropy for intuitionistic fuzzy sets	Malays J Math Sci	2016
1202	Mathematics	Vijay Kumar, K Pal	Intuitionistic trapezoidal fuzzy prioritized weighted average operators: an algorithm for the suitable treatment for lung cancer	Journal of Applied Probability and Statistics	2016
1203	Mathematics	Mandeep Mittal*, Sarla Pareek and Juhi Singh	Modified Replenishment Policy for Multi- Item Inventory of Imperfect Quality Items using ABC Classification and Cross Selling Effect	International Journal of Data Science	2016
1204	Mathematics	E.Mittal,R.M.Pandey,S .Joshi	On Extension of Mittag Leffler Function	An International Journal of Application and Applied Mathematics(AAM)	2016
1205	Mathematics	Dr. H. D. Arora	On some generalised information measure of fuzzy directed divergence and decision making	International Journal of Computing Science and Mathematics	2016
1206	Mathematics	Abhishek Singh	On the Exchange Property for the Mehler-Fock Transform	Modern Mathematical Methods and High Performance computing in Science and Technology Korean Journal of Mathematics	2016
1207	Mathematics	Mandeep Mittal*, Sarla Pareek, Reshu Agarwal	Ordering Policy Using Temporal Association Rule Mining	International Journal of Data Science	2016

1208	Mathematics	Shweta Upadhyaya	Performance prediction of a discrete time batch arrival retrial queue with Bernoulli feedback	International Journal of Mathematics in Operational Research	2016
1209	Mathematics	Shweta Upadhyaya	Performance prediction of a discrete- time batch arrival retrial queue with Bernoulli feedback	Applied Mathematics and Computation (Elsevier)	2016
1210	Mathematics	Neha Bhardwaj and Naokant Deo	Quantitative Estimates for Generalized Two Dimensional Baskakov Operators	Korean Journal of Mathematics	2016
1211	Mathematics	Shweta Upadhyay	Queueing Systems with vacation: An Overview	AIP Conference Proc	2016
1212	Mathematics	Sudipa Chauhan, Sumit Kaur Bhatia, Surbhi Gupta	Role of delay and screening in controlling AIDS	Proceeding of IEOM 2016	2016
1213	Mathematics	Sumit Kaur Bhatia, Sudipa Chauhan and Parul Maheshwari	SIRS Model With Double Time Delay	Indian Journal of Industrial and Applied Mathematics	2016
1214	Mathematics	E.Mittal,S.Joshi,R.M.P andey	Some Fractional Integral Inequality involving Appell Hypergeometric Function	Journal of Science and Arts	2016
1215	Mathematics	Aparna Chaturvedi, Prakriti Rai	Some Properties of Extended Hypergeometric Function and its Applications	Ganit Sandesh	2016
1216	Mathematics	PK Kapur, V Kumar, AK Shrivastava	Strategic Price, Warranty and Profit Maximization Model of a Software Product Using Dynamic Optimization	International Journal of Reliability, Quality and Safety Engineering	2016
1217	Mathematics	Neha Choudhary, Prakriti Rai	Study of certain mock theta functions and some partial order relations	Journal of Ramanujan Society of Mathematics and Mathematical Sciences	2016
1218	Mathematics	Vijay Kumar, R Sahni, AK Shrivastava	Two-dimensional multi-release software modelling with testing effort, time and two types of imperfect debugging	International Journal of Reliability and Safety	2016
1219	Mathematics	V Kumar, P Mathur, R Sahni, M Anand	Two-dimensional multi-release software reliability modeling for fault detection and fault correction processes	International Journal of Reliability, Quality and Safety Engineering	2016
1220	Mathematics	Shweta Upadhyaya	Working vacation policy for a discrete- time GeoX/Geo/1 retrial queue	International Journal of Science and Research	2016

1221	Physics	Sanjay Sahare, Ravi Kant Choubey, Gurunath Jadhav, Tejashree M. Bhawe, Samrat Mukherjee and Sunil Kumar	"A Comparative Investigation of Optical and Structural Properties of Cu-Doped CdO-Derived Nanostructures"	Journal of Superconductivity & Novel Magnetism	2016
1222	Physics	Rohini Kitture, Dnyandeo Pawar, Ch.N. Rao, Ravi Kant Choubey and S. N. Kale	"Nanocomposite modified optical fiber: A room temperature, selective H ₂ S gas sensor: Studies using ZnO-PMMA"	Journal of Alloys and Compounds	2016
1223	Physics	Jayant Teotia, Sarvendra Kumar, Surbhi, Rajesh Kumar, M. K. Yadav	"Ultraviolet absorption spectra, solvent effect and Non-linear Optical properties of 2-amino-4, 6-dimethylpyridine by hartee-fock and density functional theory'	"Asian Journal Of Chemistry".	2016
1224	Physics	Rajeev Kumar, Sanjeev K Srivastava and Sanjay Srivastava	A comparative study of transmission mode tunability in linearly graded and without graded defect photonic crystal structure	Journal of Nano engineering and Nano manufacturing,	2016
1225	Physics	Sanjeev K Srivastava and Alireza Aghajamali	Analysis of reflectance properties in 1D photonic crystal containing metamaterial and high temperature superconductor.	Journal of Superconductivity and Novel Magnetism	2016
1226	Physics	Pandey R.S., Kaur R.	Analytical study of whistler mode waves in presence of parallel DC electric field for relativistic plasma in the magnetosphere of Uranus	Advances in Space Research	2016
1227	Physics	Deepak Tripathi, Yachna Tyagi and Ashok Kumar	Bernstein wave aided laser third harmonic generation in a plasmas	Physics of Plasmas	2016
1228	Physics	u c srivastava	Dynamical Study of Debye temperature and Combined density of states of (TiO ₂)	International Journal of Modern Physics B	2016
1229	Physics	Ravi Kant Choubey, Dipti Desai, S. N. Kale and Sunil Kumar	Effect of annealing treatment and deposition temperature on CdS thin films for CIGS solar cells applications.	Journal of Materials Science: Materials in Electronics 27, 7890, (2016).	2016
1230	Physics	U. B. Singh, M. B. Pandey, R. Dhar, Rohit Verma & S. Kumar	Effect of dispersion of CdSe quantum dots on phase transition, electrical and electro-optical properties of 4PP4OB	Liquid Crystals	2016
1231	Physics	Aakash, Ravi Kant Choubey, Dipankar Das and Samrat Mukherjee	Effect of doping of manganese ions on the structural and magnetic properties of nickel ferrite"	Journal of Alloys and Compounds 668, 33 (2016).	2016

1232	Physics	Sanjeev K Srivastava	Electrically controlled reflection band and tunable defect modes in one- dimensional Photonic Crystal by using potassium titanyl phosphate (KTP) crystal	Journal of nanoelectronics and optoelectronics,	2016
1233	Physics	S Chopra	Electronic properties and optical absorption of graphene-polyvinylidene fluoride nanocomposites: A theoretical study	Materials Chemistry and Physics	2016
1234	Physics	Rohit Verma, Mukesh Mishra, R. Dhar, R. Dabrowski	Enhancement of Electrical Conductivity, Director Relaxation Frequency and Slope of Electro- optical Characteristics in the Composites of Single Walled Carbon Nanotubes and a Strongly Polar Nematic Liquid Crystal	Liquid Crystals	2016
1235	Physics	Rohit Verma, R. Dabrowski, M. Zurowska and Ravindra Dhar	Enhancement of the properties and mesophases stability after the electron beam irradiation on a racemic antiferroelectric liquid crystalline mixture	Liquid Crystals	2016
1236	Physics	Robin George, Nupur Bahadur, Nahar Singh, Rajni Singh, Abhishek Verma, A.K. Shukla	Environmentally Benign TiO ₂ Nanomaterials for Removal of Heavy Metal Ions with Interfering Ions Present in Tap Water	Materials Today: Proceedings	2016
1237	Physics	M.S. Inpasalini, Ravi Kant Choubey and Samrat Mukherjee	Evidence of Bound Magnetic Polaron- Mediated Weak Ferromagnetism in co- doped SnO ₂ Nanocrystals: Microstructural, Optical, Hyperfine, and Magnetic Investigations.	Journal of Electronic Materials	2016
1238	Physics	S. Chopra	Excited state analysis of absorption process in metal decorated Graphene nanoribbons	RSC Advances	2016
1239	Physics	P. Kharb, D. V. Lal, V. Singh, J. Bagchi, C. H. Ishwara Chandra, A. Hota, C. Konar, Y. Wadadekar, P. Shastri, M. Das, K. Baliyan, B. B. Nath & M. Pandey- Pommier	From Nearby Low Luminosity AGN to High Redshift Radio Galaxies: Science Interests with Square Kilometre Array	Journal of Astrophysics and Astronomy	2016

1240	Physics	Pandey R.S., Rajbir Kaur, Vineeta Kumari and K.M. Singh	Generation of Whistler Mode Waves by Injection of Cold Electron Beam for Loss- Cone Distribution with AC Electric Field in Magneto-plasma	International Journal of Advanced Research	2016
1241	Physics	S Chopra	Graphyne and graphdiyne: theoretical insight into ground and excited state properties	RSC Advances	2016
1242	Physics	Sanjeev K Srivastava and Alireza Aghajamali	Investigation of reflectance properties in 1D ternary annular photonic crystal containing semiconductor and high- T_c superconductor	Journal of superconductivity and novel magnetism	2016
1243	Physics	Dnyandeo Pawar, Ch. N. Rao, Ravi Kant Choubey and S. N. Kale.	Mach-Zehnder interferometric photonic crystal fiber for low acoustic frequency detections	Applied Physics Letters 108, 041912 (2016).	2016
1244	Physics	U.C.Srivastava,M.P Srivastava & S.Gaurav	Phonon Study of Zirconium Oxide (ZrO_2) By Using [VTBFS] Model	International Journal of Current Research	2016
1245	Physics	Lalita Chauhan, A. K. Shukla and K. Sreenivas	Properties of $NiFe_2O_4$ ceramics from powders obtained by auto- combustion synthesis with different fuels	Ceramic International	2016
1246	Physics	Dr G N Pandey-1	Reflectance Properties of One- Dimensional Metal-Dielectric Ternary Photonic Crystal	AIP Conference Proceedings	2016
1247	Physics	Rohit Verma, Mukesh Mishra, R. Dhar, R. Dabrowski	Single Walled Carbon Nanotubes Persuaded Optimization of the Display Parameters of a Room Temperature Liquid Crystal 4-pentyl- 4'-cyanobiphenyl	Journal of Molecular Liquids	2016
1248	Physics	Adarsh kumar	Spatio-temporal synoptic variability of aerosol optical depth and cloud properties over the Central North region of India through MODIS collection V satellite sensors	Indian Journal of Physics	2016
1249	Physics	S Chopra	Study of electronic and optical properties of pure and metal decorated boron nitride nanoribbons ($B_{15}N_{14}H_{14}-X$): first principle calculations	Molecular Physics	2016
1250	Physics	Sanjeev K Srivastava and Alireza Aghajamali	Study of optical reflectance properties in 1D annular photonic crystal containing double negative (DNG) metamaterials	Physica B	2016

1251	Physics	R.S. Pandey, Rajbir Kaur, Shikha Bhadoria and B.S. Tomar	Study of whistler mode waves for loss cone distribution function with perpendicular ac electric field in magnetosphere	Astronomy and Space Science	2016
1252	Physics	Dr G N Pandey-1	Three Dimensional Reflectance Properties of Plasma Dielectric Photonic Crystal	AIP Conference Proceedings	2016
1253	Physics	Dr G N Pandey-1	Three Dimensional Reflectance Properties of Superconductor- Dielectric Photonic Crystal	AIP Conference Proceedings	2016
1254	Physics	Ananda Hota, C. Konar, C. S. Stalin, Sravani Vaddi, Pradeepta K. Mohanty, Pratik Dabhade, Sai Arun Dharmik Bhoga, Megha Rajoria & Sagar Sethi	Tracking Galaxy Evolution Through Low- Frequency Radio Continuum Observations using SKA and Citizen-Science Research using Multi- Wavelength Data	Journal of Astrophysics and Astronomy	2016
1255	Physics	Mohit K. Sharma, Monika Sharma & Suresh Chandra	Very low probability of detection of TiH ₂ molecule in a cosmic object	New Astronomy	2016
1256	Physics	G. Singh, J. Fu, D. M. Agra-Kooijman, J. -K. Song, M. R. Vengatesan, M. Srinivasarao, Michael R. Fisch, and S. Kumar	X-ray and Raman scattering study of orientational order in nematic and heliconical nematic liquid crystals	Phys. Rev. E (Rapid Communication)	2016
1257	Statistics	B. B. Khare and Utkarsh,	Improved Class of Chain Type Estimators For Ratio of Two Population Means Using Two Auxiliary Characters In The Presence of Non-response	Journal of Applied Mathematics and Statistics	2016
1258	Chemistry	Deepshikha Gupta, Prabhkeen Kaur, Debrati Paul	Analysis of Fixed oils of few wonder seeds	Journal of Agroecology and Natural Resource Management	2015
1259	Chemistry	Sharma R., Singh N., Tiwari S., Tiwari S.K., Dhakate S.R.	Cerium functionalized PVA-chitosan composite nanofibers for effective remediation of ultra-low concentrations of Hg(ii) in water	RSC Advances	2015
1260	Chemistry	Chandra, A., Garg, S.	Effect of varying concentration of herbal extract of nycanthes arbor- tristis leaf on synthesis of silver nanoparticles and its evaluation	2015) International Journal of Pharmacy and Pharmaceutical Sciences, 7 (7), art. no. A27, pp. .	2015

1261	Chemistry	Jain S., Bansiwale A., Biniwale R.B., Milmlle S., Das S., Tiwari S., Siluvai Antony P.	Enhancing adsorption of nitrate using metal impregnated alumina	Journal of Environmental Chemical Engineering	2015
1262	Chemistry	Gupta, D., Girija	Evaluation of in vitro antioxidant and antimicrobial activities of various spices of Indian origin	International Journal of Pharmacy and Pharmaceutical Sciences, 7 (8), pp. 137-141.	2015
1263	Chemistry	Mukherjee, M.D., Dhand, C., Dwivedi, N., (...), Tawale, J.S., Malhotra, B.D.	Facile synthesis of 2-dimensional transparent graphene flakes for nucleic acid detection	Sensors and Actuators, B: Chemical	2015
1264	Chemistry	Deepshikha Gupta	Methods for Determination of Antioxidant Capacity: A Review	International Journal of Pharmaceutical Sciences and Research	2015
1265	Chemistry	Sharma R., Shaw R., Tiwari S., Tiwari S.	Nano-Titania Decorated Fly Ash as Self- Cleaning Antibacterial Cool Pigment	ACS Sustainable Chemistry and Engineering	2015
1266	Chemistry	Mazumdar P., Rattan S., Mukherjee M.	Polymer nanocomposites using click chemistry: Novel materials for hydrogen peroxide vapor sensors	RSC Advances	2015
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1268	Chemistry	Puri P., Mehta R., Rattan S.	Synergistic effects of clay and GNPs on electrical and mechanical properties of PU/GNP/OMMT ternary composite	Journal of Optoelectronics and Advanced Materials	2015
1269	Chemistry	Panda B, Bansal P	Synthesis and Characterization of Low- Cost Electroactive Hybrid Composites Derived from Polyaniline and NiS	International Journal of Polymeric Materials and Polymeric Biomaterials Volume 64, Issue 7, 2 September 2015, Pages 378-384	2015
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1274	Mathematics	Shweta Upadhyaya	Admission Control of Bulk Retrial Feedback Queue with K-Optional Vacations	International Journal of Mathematics in Operational Research (Inderscience)	2015
1275	Mathematics	Vijay Kumar,Ramita Sahni	An effort allocation model considering different budgetary constraint on fault detection process and fault correction process	Decision Science Letters	2015
1276	Mathematics	Anjali Dhiman	Application Of Decision Making Using Generalized Measure Of Fuzzy Directed Divergence	Applied Mathematical Sciences	2015
1277	Mathematics	Renu Chugh, S.K. Sharma and Shashank Goel	Block Sequences and g-Frames	International Journal of Wavelets, Multiresolution and Information Processing	2015
1278	Mathematics	Renu Chugh, Prakriti Rai, Smita Sharma	Certain Multiple Series Identities	International Journal of Advanced Studies in Computer Science and Engineering	2015
1279	Mathematics	Anjali Dhiman	Comparative study of generalized quantitative-qualitative inaccuracy fuzzy measures for noiseless coding theorem and 1: 1 codes	International Journal of Mathematics and Mathematical Sciences	2015
1280	Mathematics	Sudipa Chauhan, Sumit Kaur Bhatia, Surbhi Gupta	Effect of Pollution on Dynamics of SIR Model with Treatment	International Journal of Biomathematics	2015
1281	Mathematics	Mandeep Mittal*, Sarla Pareek and Reshu Agarwal	EOQ Estimation for Imperfect quality items using Association rule mining with Clustering	Decision Science Letter	2015

1282	Mathematics	Devendra Kumar	Exact moments of generalized order statistics from type II exponentiated log-logistic distribution	Hacettepe Journal of Mathematics and Statistics	2015
1283	Mathematics	Devendra Kumar	Explicit expressions and statistical inference of generalized rayleigh distribution based on lower record values	Mathematical Methods of Statistics	2015
1284	Mathematics	Mandeep Mittal*, Sarla Pareek and Reshu Agarwal	Loss Profit Estimation Using Association Rule Mining with Clustering	Management Science Letters	2015
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1286	Mathematics	Darbari, J.D., Agarwal, V., Chaudhary, K., Jha, P.C.	Multi-criteria decision approach for a sustainable reverse logistics network under fuzzy environment	IEOM 2015 - 5th International Conference on Industrial Engineering and Operations Management, Proceeding	2015
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1288	Mathematics	Kuldeep Chaudhary ,SugandhaAggarwal, A. Kaul and P.C.Jha	Optimal Control Promotional Policy for Consumer Durable Product in a Segmented Market incorporating Goodwill	IEOM 2015 - 5th International Conference on Industrial Engineering and Operations Management, Proceeding	2015
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1291	Mathematics	O Singh, PK Kapur, AK Shrivastava, V Kumar	Release time problem with multiple constraints	International Journal of System Assurance Engineering and Management	2015
1292	Mathematics	Renu Chugh, Prakriti Rai, Smita Sharma	Some extensions of Multiple Gaussian Hypergeometric Series	South East Asian Journal of Mathematics and Mathematical Science	2015

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1294	Mathematics	Shilpi Agarwal	Thermal instability of a nanofluid layer under local thermal non-equilibrium	OPSEARCH	2015
1295	Mathematics	Shilpi Agarwal	Thermal stability analysis of rotating porous layer with thermal non equilibrium approach utilizing Al ₂ O ₃ -EG Oldroyd-B nanofluid	Nanoconvergence, Springer	2015
1296	Physics	Ch. N. Rao, S. B. Sagar, N. G. Harshita, Radha Manohar Aepuru, S. Premkumar, H. S. Panda, Ravi Kant Choubey, Premkumar, S. N. Kale	" Lithium niobate nanoparticle- coated Y- coupler optical fiber for enhanced electro-optic sensitivity"	Optics Letters	2015
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1298	Physics	Adarsh kumar	Aerosols-Cloud Properties in Dynamic Atmosphere over Kedarnath Sub-Himalayan Region of India: A Long Term Study from MODIS Satellite	Nature, Environment & Pollution Technology	2015
1299	Physics	Deepak Singh/Homdutt Sharma	Ambient Noise Levels after CNG Implementation in Transport Sector in Delhi.	-	2015
1300	Physics	Pandey R.S., Rajbir Kaur, K.M. Singh, B.N. Singh and Vijay Prasad	Cold Beam Injection in Relativistic EMEC wave for Kappa Distribution Function with AC Field for Magneto-Plasma	Journal of Advances in Physics	2015
1301	Physics	Lalita Chauhan, A. K. Shukla and K. Sreenivas	Dielectric and magnetic properties of Nickel ferrite ceramics using crystalline powders derived from DL alanine fuel in sol-gel auto-combustion, •,	Ceramic International	2015

1302	Physics	Pandey R.S., Rajbir Kaur, K.M. Singh, Vijay Prasad and B.N. Singh	Effect of Cold Beam on Oblique Propagating Relativistic EMEC waves for Kappa Distribution Function with AC Field for Relativistic Magneto-Plasma	Journal of Scientific Res	2015
1303	Physics	Sunil Kumar, H.C. Jeon, T.W. Kang, Devraj, Jaskanwal Sekhon, N.K. Verma, H.S. Bhatti and Ravi Kant Choubey	Effect of ferromagnetic dopants on laser induced optical parameters of Bismuth doped CaS phosphors.	Russian Journal of Physical Chemistry A 89, 2482 (2015).	2015
1304	Physics	Jyoti Katyal, R.K. Soni	Field enhancement around Al nanostructures in UV-NIR region	Plasmonic	2015
1305	Physics	Anita Khokhar, Praveen K Goyal, O P Thakur, A K Shukla, K Sreenivas	Influence of lanthanum distribution on dielectric and ferroelectric properties of BaBi ₄ -xLa _x Ti ₄ O ₁₅ ceramics	Materials Chemistry and Physics	2015
1306	Physics	D. Dahiya, A. Kumar and V. K. Tripathi	Influence of target curvature on ion acceleration in radiation pressure acceleration regime	Laser and Particle Beams	2015
1307	Physics	U. C. Srivastava & K. S. Upadhyaya	Lattice Dynamical Investigation of Different Parameters of RbBr	Archives of Applied Science Research	2015
1308	Physics	Pawan Kumar, V. K. Tripathi, Ashok Kumar, and X. Shao	Launching focused surface plasmon in circular metallic grating	Journal of Applied Physics	2015
1309	Physics	A. Panwar, C. M. Ryu, and A. Kumar	Modulational instability of a laser pulse in a non-uniform plasma channel	Laser and Particle Beams	2015
1310	Physics	Pandey R.S., Kaur R.	Oblique electromagnetic electron cyclotron waves for Kappa distribution with AC field in planetary magnetospheres	Advances in Space Research	2015
1311	Physics	Dr Adarsh Kumar	Optical particle sensor based measurement and analysis of atmospheric aerosol number concentration of various sizes over a tropical region of Northern India	Sri Lankan Journal of Physics	2015

1312	Physics	Girijesh Pandey	Panoscopically optimized thermoelectric performance of a half-Heusler / full- Heusler based in situ bulk composite Zr _{0.7} Hf _{0.3} Ni _{1+x} Sn: an energy and time efficient way.	Physical Chemistry Chemical Physics	2015
1313	Physics	Girijesh Pande	Probing on green long persistent Eu ²⁺ /Dy ³⁺ doped Sr ₃ SiAl ₄ O ₁₁ emerging phosphor for security applications	Journal of Applied Physics	2015
1314	Physics	Pramila Shukla and Ranjana	Radiation Squeezing for M Two- Level Atoms Interacting with a Single Mode Coherent Radiation	CHINESE JOURNAL OF PHYSICS	2015
1315	Physics	S. Chopra	Study of electronic, optical absorption and emission in pure and metal decorated Graphene nanoribbons (C ₂₉ H ₁₄ -X): First principles calculations	ChemPhysChem	2015
1316	Physics	M Upadhyay, S K Awasthi, L Shiveshwari, S N Shukla, and S P Ojha	Temperature dependent tuning of photon band gaps for wavelength selective switching applications	Indian Journal of Physics	2015
1317	Physics	Pandey R.S., Kaur R.	Theoretical study of electromagnetic electron cyclotron waves in the presence of AC field in Uranian magnetosphere	New Astronomy	2015
1318	Physics	4. Surbhi, D.P. Singh, Sarvindra Kumar,	Thermodynamic functions molecular polarizability of 2,6 dichloro-4-fluoro phenol	Journal of advances in physics	2015
1319	Physics	Rohit Verma, R. Dabrowski and R. Dhar	Thermodynamic, electrical and electrooptical features of the racemic mixture of an antiferroelectric liquid crystal suitable for displays	Liquid Crystals	2015
1320	Physics	Anandi Verma	TPP functionalized carbon nanotube composites for detection of nitrobenzene and chlorobenzene vapours	Source of the Document Bulletin of Materials Science	2015
1321	Physics	M Upadhyay, S K Awasthi, L Shiveshwari, S N Shukla and S P Ojha.	Two Channel Thermally tunable Band Stop filter for wavelength selective switching applications by using ID ternary superconductor Photonic Crystal.	Journal of Superconductivity and Novel Magnetism.	2015

1322	Statistics	B. B. Khare and Utkarsh	Some Improved Estimators for Ratio and Product of Two Population Means Using Auxiliary Character and Two Phase Sampling Scheme in the Presence of Non-Response	International Journal of Statistics & Economics	2015
1323	Chemistry	Seema Garg, Amrish Chandra, Avijit Mazumder and Rupa Mazumder	Analgesic potential of hydrogels of silver nanoparticles using aqueous extract of Saraca indica bark	International Journal of Pharmaceutical Sciences and Research	2014
1324	Chemistry	Sharma R., Singh N., Gupta A., Tiwari S., Tiwari S.K., Dhakate S.R.	Electrospun chitosan-polyvinyl alcohol composite nanofibers loaded with cerium for efficient removal of arsenic from contaminated water	Journal of Materials Chemistry A	2014
1325	Chemistry	Seema Garg, Amrish Chandra1, Avijit Mazumder2, Rupa Mazumder2	Green synthesis of silver nanoparticles using Arnebia nobilis root extract and wound healing potential of its hydrogel	Asian journal of Pharmaceutics	2014
1326	Chemistry	Rattan S., Singhal P., Avasthi D.K., Tripathi A.	Modification of poly(3,4- ethylenedioxy thiophene)/poly(4-styrene sulphonate) (PEDOT: PSS)/nanographite nanocomposite through ion beam technique	Advanced Materials Letters	2014
1327	Chemistry	Puri P., Mehta R., Rattan S.	Synthesis and mechanical properties of polyurethane/clay nanocomposites	Journal of Optoelectronics and Advanced Materials	2014
1328	Mathematics	Surbhi Gupta	A case study of efficiency analysis on Power Grid Corporation of India Ltd	International Journal of Science and Research (IJSR)	2014
1329	Mathematics	Priti Gupta, H D Arora, P Tiwari	A Measure of Divergence between Fuzzy Sets with Advancements in Information Theory	International Journal of Computer Applications	2014
1330	Mathematics	VIJAY KUMAR, SUNIL KUMAR KHATRI, HITESH DUA, MANISHA SHARMA, PARIDHI MATHUR	An assessment of testing cost with effort-dependent fdp and fcp under learning effect: a genetic algorithm approach	International Journal of Reliability, Quality and Safety Engineering	2014
1331	Mathematics	Anjali Dhiman	Application of Fuzzy Information measure to Coding Theory	International Journal of Advanced technology in Engineering and Science	2014

1332	Mathematics	Prakriti Rai	Basic Analogues of Certain Multiple Series of Transformations-II	Journal of Ramanujan Society of Mathematics and Mathematical Sciences	2014
1333	Mathematics	VB Singh, KK Chaturvedi, Sunil Kumar Khatri, Vijay Kumar	Bug prediction modeling using complexity of code changes	International Journal of System Assurance Engineering and Management	2014
1334	Mathematics	C.K. Jaggi, Mandeep Mittal*, Jyoti Gulia, Pankaj Singh and Ruchi Sharma	Credit financing in economic ordering policies for defective items with order overlapping	International Journal of Modeling and Optimization	2014
1335	Mathematics	Surbhi Gupta, Neelam Sharma	Evaluation of Some Reliability Parameters for Solar Panel By Boolean algebra Technique	International Journal of Education and Science Research Review	2014
1336	Mathematics	Renu Chugh and Shashank Goel	ON FINITE SUM OF G-FRAMES AND NEAR EXACT G-FRAMES	Electronic Journal of Mathematical Analysis and Applications	2014
1337	Mathematics	Mandeep Mittal*, Juhi Singh, Amit Aggarwal, Khushboo Kumari and Manan Yadav	Ordering Policy for Imperfect Quality Item sets using Cross selling effects	International Journal of Modeling and Optimization	2014
1338	Mathematics	Shweta Upadhyaya	Performance Analysis of a Batch Arrival Retrial Queue with Bernoulli Feedback	International Journal of Mathematics in Operational Research (Inderscience)	2014
1339	Mathematics	Anjali Naithani , Roosel Jain	PROBABILISTIC ANALYSIS OF 3-UNIT BIOMETRIC SYSTEM	AMO – Advanced Modeling and Optimization	2014
1340	Mathematics	Anjali Dhiman	Weighted Performance function for (r,s) entropy of Discrete Memoryless Communication Channel under Single constraint	International Journal of Modeling and Optimization	2014
1341	Physics	Jyoti Katyal	, Localized surface plasmon resonances and refractive index sensitivity of metal-dielectric-metal multilayered nanostructures,	Plasmonic	2014
1342	Physics	Anita Jain, Sanjay Panwar, T.W. Kang, H.C. Jeon, Sunil Kumar and R. K. Choubey	“Effect of Zinc Oxide concentration in fluorescent ZnS:Mn/ZnO cores/shell nanostructures	Journal of Materials Science: Materials in Electronics	2014

1343	Physics	H. S. Bhatti, Sunil Kumar, Karamjit Singh, Kavita and R. K. Choubey	“Photo-Physical Studies of Pyridine Capped ZnO Nanostructures”	Russian Journal of Physical Chemistry A	2014
1344	Physics	R. K. Choubey, Sunil Kumar and C. W. Lan	“Shallow chemical bath deposition of ZnS buffer layer for environmentally benign solar cell devices”	Advances in Natural Sciences: Nanoscience and Nanotechnology	2014
1345	Physics	R. K. Choubey, S. Medhekar, R. Kumar, S. Mukherjee and Sunil Kumar	“Study of nonlinear optical properties of organic dye by Z-scan technique using He–Ne laser”	Journal of Materials Science: Materials in Electronics	2014
1346	Physics	Dr Adarsh Kumar	A comparative study on orographic and latitudinal features of global atmospheric electrical parameters over different places at three Asian countries	Indian Journal of Physics	2014
1347	Physics	M Upadhyay, A Mehta, S K Awasthi, S K Srivastava, S N Shukla and S P Ojha	A Multichannel omnidirectional tunable filter in one dimensional tilted ternary plasma photonic crystal	Journal of intense pulsed lasers and applications in advanced Physics	2014
1348	Physics	M. Upadhyay, S K Awasthi, S K Mehta Sanjeev K Srivastava, S N Shukla and S P Ojha	A multi-channel omnidirectional tunable filter in one dimensional tilted ternary plasma photonic crystal.	Journal of Intense Pulsed Lasers & Application in Advanced Physics,	2014
1349	Physics	Radheshyam Rai, M. A. Valente, Anoop Kumar Shukla, Seema Sharma and Andrei L. Kholkin	Dielectric and magnetic properties of Ba-, La- and Pb-doped Bi0.8Gd0.1M0.1Fe0.9Ti0.1O3 perovskite ceramics	JOURNAL OF ADVANCED DIELECTRICS	2014
1350	Physics	Shivani A Kumar	Improving the Teleportation of Superposition of Entangled Coherent States	Physical Science International Journal, Vol 4, Issue 3, 339	2014
1351	Physics	M. Sahni, N. Kumar, S.Singh, A. Jha, S. Chaubey, M. Kumar, M.K. Sharma	Influence of Mn doping on structural, electrical and magnetic properties of (0.90)BiFeO3-(0.10)BaTiO3 composite	J. Mater. Sci.: Mater Electron	2014
1352	Physics	Sanjeev K Srivastava	Investigation of ultra-wide reflection bands in UV region by using one- dimensional multi quantum well photonic crystal structure.	Progress in Electromagnetic Research	2014

1353	Physics	A. Kumar, D. Dahiya, and V. K. Tripathi	Laser driven electron acceleration in a CNT embedded gas jet target	Laser and Particle Beams	2014
1354	Physics	U.C.Srivastava,M.P Srivastava & K.S.Upadhyaya	Lattice dynamical investigation of RBI	Archives of Physics Research	2014
1355	Physics	Dr Adarsh Kumar	Long term (2003-2012) spatio- temporal MODIS (Terra/Aqua level 3) derived climatic variations of aerosol optical depth and cloud properties over a semi arid urban tropical region of Northern India	Atmospheric Environment	2014
1356	Physics	S.K. Parida, V.R.R. Medicherla, D.K. Mishra, V. Solanki, S. Varma, M.K. Sharma, Ratnamala Chatterjee	Magnetic Properties of Cu/Ni Bilayer on Si (100) Surface	Materials Focus	2014
1357	Physics	Dr G N Pandey-1	Omnidirectional Reflection properties in One Dimensional Superconductor- Dielectric Photonic Crystal	Optik - International Journal for Light and Electron Optics,	2014
1358	Physics	Dr G N Pandey-2	Omnidirectional Reflection Band Gap in Single Composite Layer of Negative Index Material	Advances in Physical Science Research	2014
1359	Physics	S. Chopra and L. Maidich	Optical properties of pure graphene in various forms: A time dependent density functional theory study	RSC Advances	2014
1360	Physics	Pandey R.S., Kaur R.	Study of whistler mode wave by injection of relativistic hot electrons beam in the magnetosphere of Uranus	Progress In Electromagnetics Research M	2014
1361	Physics	Adarsh Kumar	Variations in atmospheric aerosol concentration of various sizes during the total solar eclipse of 22 July 2009 over a semi urban tropical site of Northern India	Indian Journal of Physics	2014
1362	Statistics	B. B. Khare, P. S. Jha, Utkarsh	A Revisit to the Estimation of Population Mean in Presence of Non-Response in Sample Surveys	International Journal of Mathematics & Statistics	2014
1363	Chemistry	Deepshikha Gupta	Comparative analysis of spices for their phenolic content, flavonoid content and antioxidant capacity	American International Journal of Research in Formal, Applied & Natural Sciences	2013

1364	Chemistry	Puri, J.K.; Kaur,H.;Anita Gupta (nee Singla)	Metal ion interactions with drugs	Journal of Molecular Liquids,	2013
1365	Chemistry	Prachi Singhal, Sunita Rattan, Devesh Kumar Avasthi & Ambuj Tripathi	Modification of PMMA/graphite nanocomposites through ion beam technique	Radiation Effects and Defects in Solids: Incorporating Plasma Science and Plasma Technology	2013
1366	Chemistry	Puri, J.K.; Kaur,H.;Anita Gupta (nee Singla)	Novel Organostannanes with assorted drugs	Phosphorus, Sulfur,and Silicon and the related Elements	2013
1367	Chemistry	Ambily P Nair, J Christine;	Spectrophotometric determination of Cu(II) and Ni(II) using 4 phenyl-3- thiosemicarbazone of 2-hydroxy-4-propoxy-5-bromoacetophenone (HnPBAPT) as analytical reagent.	American International Journal of Research in Formal, Applied and Natural Sciences.	2013
1368	Chemistry	Rattan S., Sehgal T.	Stimuli-responsive membranes through graftcopolymerization of acrylic acid (aac) onto polycarbonate track etched (PCTE) membrane	Advanced Materials Letters	2013
1369	Chemistry	Puri, J.K.; Kaur,H.;Anita Gupta (nee Singla), Kapila, A.	Synthesis and Characterization of some new di- and tri-organotin complexes of Schiff base	Main Group Metal Chemistry	2013
1370	Chemistry	Sunita Rattan, Prachi Singhal, A.L. Verma	Synthesis of PEDOT:PSS (Poly(3,4ethylenedioxythiophene)/poly(4-styrene sulfonate))/ NGPs (Nanographitic Platelets) Nanocomposites as Chemiresistive Sensors for Detection of Nitroaromatics	Polymer Engineering Sciences	2013
1371	Mathematics	Shweta Upadhyaya	Admission Control of Bulk Retrial Queue under Bernoulli Vacation Schedule	International Journal of Emerging Technologies in Computational and Applied Science (IASIR)	2013
1372	Mathematics	Shweta Upadhyaya	Bernoulli Vacation Policy for a Bulk Retrial Queue with Fuzzy Parameters	International Journal of Applied Operational Research (IJAOR)	2013
1373	Mathematics	Renu Chugh, Prakriti Rai, Smita Sharma	Certain Transformation Formulae for Bilateral Basic Hypergeometric Series	Journal of Ramanujan Society of Mathematics and Mathematical Sciences	2013

1374	Mathematics	Dr. Anjali Naithani, Dr. Bhupender Parashar, Prof. P. K. Bhatia, Prof. GulshanTaneja	Cost Benefit Analysis of a 2-Out-of-3 Induced Draft Fans System with Priority for Operation to Cold Standby over Working at Reduced Capacity	Advanced Modeling and optimization	2013
1375	Mathematics	C. K. Jaggi*, S. K. Goel and Mandeep Mittal	Credit financing in economic ordering policies for imperfect quality items with allowable shortages	Applied Mathematics and Computation	2013
1376	Mathematics	C. K. Jaggi*, Mandeep Mittal and Aditi Khanna	Effects of inspection on retailer's ordering policy for deteriorating items with time-dependent demand under inflationary conditions	International Journal of Systems and Science	2013
1377	Mathematics	Anjali Dhiman	Monotonic Behaviour of some new Generalized fuzzy Information Measures & Its Essential Properties	International Journal of Mathematical archive (IJMA)	2013
1378	Mathematics	Yogender Singh, KuldeepChaudhary, P. C. Jha	Optimal Advertising and Pricing Policies of Successive Generations of Product in Segmented Market	Int. J. Computational Intelligence Studies	2013
1379	Mathematics	P.K.Kapur,Hoang Pham,Udayan Chanda,Vijay Kumar	Optimal allocation of testing effort during testing and debugging phases: a control theoretic approach	International Journal of Systems Science	2013
1380	Mathematics	KuldeepChaudhary, Yogender Singh, P. C. Jha,	Optimal Control Policy of a Production and Inventory System for multi-Product in Segmented Market	Ratio Mathematica	2013
1381	Mathematics	Yogender Singh, PrernaManik, KuldeepChaudhary	Optimal Production Policy for Multi- Product with Inventory-Level- Dependent Demand in Segmented Market	Yugoslav Journal of Operations Research	2013
1382	Mathematics	PrernaManik, KuldeepChaudhary, Yogender Singh, P. C. Jha	Optimal Promotion Effort Control Policy for Segment Specific New Product Growth	Advances in Intelligent and Soft Computing	2013
1383	Physics	Indrajit Kumar, Amiya Priyam and Ravi Kant Choubey	"Degree of Supersaturation: an Effective Tool to Control the Luminescence Efficiency and Size Distribution in CdTe Quantum Dots"	AIP Conference Proceedings	2013
1384	Physics	Sunil Kumar, T.W. Kang, P. Yousaf Khan, Sanjeev Kumar, Manju Goyal and Ravi Kant Choubey	"Study of electroless template synthesized ZnSe nanowires and its characterization"	Journal of Materials Science: Materials in Electronics	2013

1385	Physics	S. Medhekar, R. Kumar, S. Mukherjee and R. K. Choubey	"Study of Nonlinear Refraction of Organic Dye by Z-scan Technique Using He-Ne Laser"	AIP Conference Proceedings	2013
1386	Physics	Homdutt Sharma/V.K.Jain/Z.H.Khan	4. Use of Constant Wavelength Synchronous Spectrofluorimetry for Identification of Polycyclic Aromatic Hydrocarbons in Air Particulate Samples.	Spectrochimica Acta Part A	2013
1387	Physics	Dr G N Pandey-1	Band Structure, Group velocity, Effective group index and Effective phase index of one Dimensional Plasma Photonic Crystal	Optik - International Journal for Light and Electron Optics	2013
1388	Physics	Shivani A Kumar and Vasudha Pande	Branching of Measurement Results for Swapping between Two Nonorthogonal Entangled Coherent States	World Journal of Science and Technology Research,	2013
1389	Physics	u c srivastava	Debye Temperature Variation in Thallium Fluoride (TlF)	Archives of Applied Science Research	2013
1390	Physics	Dr G N Pandey-1	Dispersion Relation of Defect Structure Containing Negative Index Materials	International Journal of Advances in Electronic and Electronic Engineering	2013
1391	Physics	A. Panwar, C. M. Ryu and A. Kumar	Effect of Plasma Channel Non- Uniformity on Resonant Third Harmonic Generation	Laser and Particle Beams	2013
1392	Physics	Dr G N Pandey-3	Formation of Gap Soliton in Negative Kerr Nonlinear One Dimensional Photonic Crystal	OPTOELECTRONICS AND ADVANCED MATERIALS – RAPID COMMUNICATIONS (Romania)	2013
1393	Physics	Dr G N Pandey-1	Frequency Dependence Effective Refractive Index of Meta-Materials by Effective Medium Theory	International Journal of Advances in Electronic and Electronic Engineering	2013
1394	Physics	Dr G N Pandey 1	Materials Photonic Band Gap in Heterostructure	International Review of Applied Engineering. Research	2013
1395	Physics	Shivani A Kumar H. Prakash, N. Chandra and R. Prakash	Noise in swapping between two pairs of non orthogonal entangled coherent states	Modern Physics Letters B, Vol. 27, No.3,	2013
1396	Physics	Dr G N Pandey-1	Ominidirectional Reflection Band in One Dimensional Plasma Photonic Crystal.	Optik - International Journal for Light and Electron Optics	2013

1397	Physics	Dr G N Pandey-4	Optics of Magnetic Photonic Crystals with Mu-Negative Materials	AIP Conference Proceedings	2013
1398	Physics	Pramila Shukla and Ranjana Prakash	Ordinary and amplitude squared squeezing in four wave mixing process	Modern Physics Letters B	2013
1399	Physics	A. Kumar	Ponderomotive Self Focusing of Surface Plasma Wave	Plasmonics	2013
1400	Physics	Jyoti Katyal	Size and shape dependent plasmonic properties of aluminium nanoparticles for nanosensing applications	J of Modern Optics	2013
1401	Physics	u c srivastava	Study of cohesive energy for KX(X=F, Cl, Br,I)crystal Structure	Opt.elect. & Adv. Materials,Rapid Communications(OA M-RC)	2013
1402	Physics	Sanjeev K Srivastava	Study of defect modes in one- dimensional photonic crystal structure containing high and low Tc superconductor as a defect layers.	Journal of Superconductivity and Novel Magnetism	2013
1403	Physics	Pandey R.S., Kaur R.	Study of low frequency emission by injection of hot electron beam in the magnetosphere of Uranus	AIP Conference Proceedings	2013
1404	Physics	Adarsh Kumar	Variations of aerosol optical depth and cloud parameters over North Eastern regions of India retrieved from MODIS satellite data	Journal of Atmospheric & Solar Terrestrial Physics	2013
1405	Physics	R S Pandey, Rajbir Kaur and U C Srivastava	Whistler mode wave by cold plasma injection for relativistic generalized loss- cone distribution function in the Magnetosphere of Uranus	International Journal of Advanced Research	2013
1406	Statistics	B. B. Khare, Habib Ur Rehman, P. S. Jha, Utkarsh	Chain Type Estimators for Population Parameters Using Auxiliary Variables and Additional Auxiliary Variables	Journal of National Academy of Mathematics, India	2013
1407	Chemistry	Rattan S., Sehgal T.	Stimuli-responsive membranes through peroxidation radiation- induced grafting of 2-hydroxyethyl methacrylate (2-HEMA) onto isotactic polypropylene film (IPP)	Journal of Radioanalytical and Nuclear Chemistry	2012
1408	Mathematics	C. K. Jaggi*, Anuj Sharma and Mandeep Mittal	A fuzzy inventory model for deteriorating items with initial inspection and allowable shortage under the condition of "permissible delay in payment", International Journal of Inventory Control and Management	International Journal of Inventory Control and Management	2012

1409	Mathematics	Bhupender Parashar, Anjali NAithani, P. K. Bhatia	Analysis of a 3-Unit Induced Draft Fan System with One Warm Standby	International Journal of Engineering Science and Technology (IJEST)	2012
1410	Mathematics	PK Kapur, H Pham, V Kumar, A Anand	Dynamic optimal control model for profit maximization of software product under the influence of promotional effort	Journal of High Technology Management Research	2012
1411	Mathematics	KuldeepChaudhary, PrernaManik, Shivanibali	Dynamic Testing Resource Allocation of Modular Software System for SRGM Incorporating Testing Efficiency Using Differential Evolution	Advances in Intelligent and Soft Computing	2012
1412	Mathematics	Priti Gupta, Abhishek, H D Arora	Generalized Noiseless Coding Theorem and Block Coding	International Journal of Applied Mathematics	2012
1413	Mathematics	P.K.Kapur, KuldeepChaudhary, Anu G. Aggarwal,P.C.Jha	On the Development of Innovation Diffusion Model Using Stochastic Differential Equation Incorporating Change in the Adoption Rate	International Journal of Operational Research	2012
1414	Mathematics	P.C. Jha, KuldeepChaudhary	Optimal Advertising Control Policy for a New Product with Dynamic Potential Adopter Population in Segmented Market	Journal of Statistics & Management Systems	2012
1415	Mathematics	Yogender Singh, KuldeepChaudhary, P. C. Jha	Optimal Control Policy for Advertising and Pricing of Two Generation Durable Product in Segmented Market	In Proceedings of the 2012 IEOM, Istanbul, Turkey	2012
1416	Mathematics	KuldeepChaudhary, P.C.Jha	Optimal testing effort control for modular software system incorporating the concept of independent and dependent faults: A Control Theoretic Approach	International Journal of Optimization and Control: Theories & Applications	2012
1417	Mathematics	Dr. Anjali Naithani, Dr. Bhupender Parashar, Prof. P. K. Bhatia, Prof. GulshanTaneja	Reliability Modelling Of A 3-Unit (Induced Draft Fan) Cold Standby System Working At Full/Reduced Capacity	International Journal of Mathematical Archive	2012
1418	Mathematics	C. K. Jaggi* and Mandeep Mittal	Retailer ordering policy for deteriorating items with initial inspection and allowable shortage under the condition of permissi0ble delay in payments	International Journal of Applied Industrial Engineering	2012

1419	Physics	Wei Tse Hsu, Zhi Bin Chen, Chien Cheng Wu, Ravi Kant Choubey and Chung Wen Lan	"Optical properties of Mg, Fe co- doped near-stoichiometric lithium tantalate single crystals"	Materials	2012
1420	Physics	Karamjit Singh, H. S. Bhatti, K. V. Baiju, S. Shukla, Sunil Kumar, R. K. Choubey	"Study of size dependent photo- induced exciton life-time and photocatalytic activity of nanocrystalline CdZnS"	Advanced Science Letters	2012
1421	Physics	Shivani A Kumar	Almost Perfect Teleportation of Entangled Coherent States	International Conference on Fibre Optics and Photonics	2012
1422	Physics	Sanjeev K Srivastava and S K Awasthi	Broadening of photonic band gap in one- dimensional superconductor star waveguide structure	Journal of Superconductivity and Novel Magnetism	2012
1423	Physics	D.K. Mishra, J. Mohapatra, M.K. Sharma, Ratnamala Chatterjee, S.K. Singh, S. Verma, S.N. Behera, S.K. Nayak, P. Entel	Carbon doped ZnO: Synthesis, characterization and interpretation	Journal of Magnetism and Magnetic Materials	2012
1424	Physics	u c srivastava	Comparative study of potassium halides Parameters by using many body model & van der Waals three body force shell model [VTBFSM]	British J of applied science and technology, (change Name) Current Journal of Applied Science and Technology	2012
1425	Physics	Ranjana Prakash and Pramila Shukla	Detection of Sum and Difference squeezing	IOSR-Journal of Applied Physics	2012
1426	Physics	A. Kumar	Effect of Nonlinear Absorption on Self-Focusing of Short Laser Pulse in a Plasma	Physics of Plasmas	2012
1427	Physics	Pandey R.S., Kaur R.	Generation of low frequency electromagnetic wave by injection of cold electron for relativistic and non-relativistic subtracted bi- Maxwellian distribution with perpendicular AC electric field for magnetosphere of uranus	Progress In Electromagnetics Research B	2012
1428	Physics	Adarsh Kumar and H P Singh	Impact of High Energy Cosmic Rays on Global Atmospheric Electrical Parameters over Different Orographically Important Places of India	ISRN high Energy Physics	2012

1429	Physics	M. Upadhyay, S K Awasthi, Sanjeev K Srivastava and S P Ojha	Infrared omnidirectional reflection mirror based on one-dimensional birefringent- dielectric photonic crystal	Progress in Electromagnetic Research (PIER M)	2012
1430	Physics	Tyagi R.K., Srivastava K.K., Pandey R.S.	Non-traditional machining processes by means of velocity shear instability in plasma	Surface Engineering and Applied Electrochemistry	2012
1431	Physics	C.C. Wu, Z.B. Chen, R. K. Choubey, C. W. Lan	On the study of zinc doping in congruent LiTaO3 crystals	Materials Chemistry and Physics	2012
1432	Physics	Deepti Saxena, R Yadav, and Adarsh Kumar	Orographic features of global atmospheric electrical parameters over different places of Sri Lanka	Sri Lankan Journal of Physics	2012
1433	Physics	A. Panwar, A. Kumar and C. M. Ryu	Stimulated Raman Forward Scattering of a Laser in a Pre-Formed Plasma Channel	Laser and Particle Beams	2012
1434	Physics	Tyagi R.K., Pandey, R.S., Kumar A.	Surface coating by means of velocity shear instability in plasma	Theoretical Foundations of Chemical Engineering	2012
1435	Physics	Shivani A Kumar H. Prakash, N. Chandra and R. Prakash	Teleportation of Superposition of Coherent States Using 4-Partite States and Effect of Decoherence on Fidelity	Journal of Quantum Information Science,	2012
1436	Physics	Ashok Kumar	Terahertz Generation by Nonlinear Mixing of Laser and its Second Harmonic in a Rippled Density Plasma	Applied Physics B: Laser and Optics	2012
1437	Physics	Sanjeev K Srivastava , M. Upadhyay, S K Awasthi and S P Ojha	Tunable reflection bands and defect modes in one-dimensional tilted photonic crystal structure.	Optics and Photonics Journal,	2012
1438	Chemistry	Christine Jeyaseelan, Ravin Jugade, AP Joshi;	Differential pulse polarographic determination of Nifedipine in Pharmaceutical formulations.	International Journal of Pharmaceutical Sciences and Drug research.	2011
1439	Chemistry	Deepshikha Gupta and Ritu Mathur	Phytochemistry of “Kushtanashini : A Review	ISST Journal of Applied Chemistry	2011
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1442	Mathematics	H D Arora	Computation of Weighted Error Bounds of order α with Preferences	International Journal of Applied Systemic Studies	2011

1443	Mathematics	C. K. Jaggi*, A. Khanna and Mandeep Mittal	Credit financing for deteriorating imperfect-quality items under inflationary conditions	International Journal of Services Operations and Informatics (IJSOI)	2011
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1445	Mathematics	C. K. Jaggi* and Mandeep Mittal	Economic order quantity model for deteriorating items with imperfect quality	International Journal Revista Invetigacion Operacional	2011
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1447	Mathematics	Priti Gupta, H D arora	On best 1:1 codes for generalized quantitative-qualitative measure of inaccuracy	African Journal of Mathematics and Computer Sciences	2011
1448	Mathematics	P.C.Jha, KuldeepChaudhary, Anshu Gupta	On the Development of Adoption of Newer Successive Technologies Using Stochastic Differential Equation	In Proceeding of the 2011 IEEE IEEM, Singapore	2011
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1455	Physics	Tyagi R.K., Srivastava K.K., Pandey R.S.	Analysis of electrostatic ion- cyclotron instability driven by parallel flow velocity shear	Surface Engineering and Applied Electrochemistry	2011
1456	Physics	A. K. Shukla, V. K. Agrawal, I. M. L. Das, Janardan Singh and S. L. Srivastava.	Dielectric response of PLZT ceramics x/57/43 across ferroelectric – paraelectric phase transition	Bulletin of Material Science	2011
1457	Physics	Dr G N Pandey-I	Existence of Negative Dispersion and Band Gap on Helically Inner Cladded Annular Circular Waveguide	Optik - International Journal for Light and Electron Optics	2011
1458	Physics	u c srivastava	Harmonic dynamic of Potassium halides (KF, KCl, KBr and KI)	Archives of Physics	2011
1459	Physics	A. Kumar, D. Dahiya, and A. K. Sharma	Laser Prepulse Induced Plasma Channel Formation in Air and Relativistic Self Focusing of an Intense Short Pulse	Physics of Plasmas	2011
1460	Physics	Adarsh Kumar, Deepti Saxena, R Yadav, and J Rai	Measurement of atmospheric aerosols during monsoon period at Roorkee	Atmospheric Science Letters	2011
1461	Physics	A. Kumar and A. L. Verma	Nonlinear Absorption of Intense Short Pulse Laser over a Metal Surface Embedded with Nanoparticles	Laser and Particle Beams	2011
1462	Physics	Ashish Mishra, S K Awasthi, Sanjeev K Srivastava, Usha Malviya and S.P Ojha	Tunable and omnidirectional filters based on one-dimensional photonic crystals composed of single negative materials	J. of Optical Society of America B (JOSA B),	2011
1463	Physics	U.C.Srivastava& K. S.Upadhyaya	Unified studies of lattice dynamic of potassium Iodide (KI)	Physical Review and Research International (change name) - Physical Science International Journal	2011

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1465	Chemistry	Ambily P Nair, J Christine;	2-Hydroxy-4-propoxy-5- bromoacetophenone oxime (HnPBAO) as a gravimetric Reagent for Ni(II) and Cu(II) and Spectrophotometric Study of the Complexes.	Der Chimica Sinica,	2010
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1479	Physics	Sanjeev K. Srivastava, S K Awasthi, S K Srivastava and S.P.Ojha	Near Infrared optical reflector design using one-dimensional photonic crystal containing chalcogenide glasses.	Optoelectronics Letters	2010
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1484	Physics	Singh M., Redhu S., Duhan S., Pandey R.S.	Steady-state and transient Raman gain in magnetoactive narrow band-gap semiconductors	Optics and Laser Technology	2010
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1492	Mathematics	Prakriti Rai	Basic Analogues of Certain Multiple Series of Transformations	South East Asian Journal of Mathematics and Mathematical Science	2009
1493	Mathematics	Priti Gupta	Generalized Exponentiated Mean Code Word Length for 1:1 Codes and Generalized Quantitative-Qualitative measure of Inaccuracy	Pure and Applied Mathematika Sciences	2009
1494	Mathematics	P.C. Jha, KuldeepChaudhary, P.K. Kapur	Optimal advertising Control policy for a New Product in Segmented Market	OPSEARCH,	2009
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1498	Physics	Sanjeev K. Srivastava and S.P.Ojha	Enlarged photonic band gaps in one- dimensional magnetic star waveguide structure.	Progress in Electromagnetic Research - M (PIER- M),	2009

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1505	Mathematics	Dr. H. D. Arora	Generalized Performance Function for weighted β Entropy of a DMCC under Single and Multiple Constraint	Journal of Mathematics and System Sciences	2008
1506	Physics	P. Sen, N. Sisodia, R. K. Choubey, S. Kar and K. S. Bartwal	“Effect of MgO doping on Coercive field in LiNbO3 crystals”	Journal of Nonlinear Optical Materials	2008
1507	Physics	Girijesh Pandey, K.B. Thapa, Sanjeev K. Srivastava and S.P.Ojha	Band Structures and Abnormal Behavior of One Dimensional Photonic Crystal Containing Negative Index Materials	Progress in Electromagnetic Research (PIER) M	2008
1508	Physics	Ranjana Prakash and Pramila Shukla	Collapses and Revivals for M two level atoms interacting with a single mode coherent radiation	International Journal of Modern Physics B	2008
1509	Physics	H. Prakash, N. Chandra, R. Prakash and Shivani	Effect of decoherence on fidelity in teleportation of entangled coherent states	International Journal of Quantum Information	2008
1510	Physics	R S Pandey ,U C Srivastava,S.Kumari and A.Kumar	Parallel Flow Velocity Shear Kelvin Helmholtz Instability with AC Electric Field	Journal of Progress in Electromagnetic Research B	2008

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1515	Mathematics	C. K. Jaggi* and Mandeep Mittal	An EOQ model for deteriorating items with time-dependent demand under inflationary conditions	Indian Journal of Mathematics and Mathematical Sciences	2007
1516	Mathematics	Priti Gupta	Arimoto Measure and Probability of Error	Antarctica Journal of Mathematics	2007
1517	Mathematics	Priti Gupta	Upper bound on probability of error using Arimoto Measure	Bulletin of Pure and applied Sciences	2007
1518	Physics	Homdutt Sharma/V.K.Jain/Z.H.Khan	Atmospheric Polycyclic Aromatic Hydrocarbons (PAHs) in the Urban Air of Delhi during 2003.	Environ Monit Assess	2007