

Dr. Nidhee Chaudhary



DESIGNATION

Professor & Head
Centre for Biotechnology & Biochemical Engineering
Amity Institute of Biotechnology, AUUP

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CONTACT NUMBER

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RESEARCH INTERESTS

Industrial & therapeutic enzymes: Characterization and Application studies targeting industrial purposes and various ailments viz.; cancer, viral, aging-related diseases; Bioprocess Technology; Bioconversion of agro- and bio-wastes into value-added products

EDUCATIONAL QUALIFICATIONS:

Name of College / University	Degree	Year
C.C.S. University	Ph. D.	2003
I.I.T. Roorkee, Roorkee	M. Phil. (University Gold Medalist)	1996
C.C.S. University	M. Sc. (Gold Medalist)	1995
Meerut University	B. Sc. (Gold Medalist)	1993

OTHER QUALIFICATIONS:

- National Eligibility Test (NET) Qualified
- U. P.-State Lecturership Eligibility Test (UP-SLET) Qualified

Title of Ph.D. thesis: Production and characterization of fungal cellulase and its use in biodegradation of lignocellulosic waste

EXPERIENCE (in chronological order)

Designation	Type of post held (teaching/research)	Name of the Institute	Year (From-To)
Professor	Teaching & Research	Amity University Uttar Pradesh Sector-125, Noida-201313	01-02-2010- Till date
Assistant Professor	Teaching & Research	Amity University Uttar Pradesh Sector-125, Noida-201313	01-07-2008 to 31-01-2010
Senior	Teaching & Research	Amity University Uttar Pradesh	01-09-2007 to

Lecturer		Sector-125, Noida-201313	30-06-2008
Lecturer	Teaching & Research	Amity University Uttar Pradesh Sector-125, Noida-201313	25-08-2006 to 31-08-2007
Lecturer	Teaching & Research	D. A. V. (PG) College Muzaffarnagar-251001	2000-2006
Lecturer	Teaching	D. A. V. (PG) College Muzaffarnagar-251001	1997-2000

Administrative Activities:	<p>Administrative/ Academic Experience: 25 years</p> <ul style="list-style-type: none"> • Member, University Committee for Promotion of Innovation and Startups, (July 2, 2021-) • Member, Board of Studies (BoS), AIB: 2010-Till date • Member, Area Advisory Board (AAB), AIB: 2015-Till date • Member (Vice Chancellor Special Invitee) Departmental Research Committee (DRC) AIB (2019-) • Chairperson, Student Research Committee (SRC), CBBE, AIB: 2015-Till date • Member, Course Advisory Committee (CRC), AIB: 2015-Till date • Member, Programme Review Outcome Assessment Committee (PROAC), AIB: March 2018-Till date • Member, Faculty Research Committee (FRC) Board, AIB: 2017-Till date • Member, Moderation Board, Examination, Bio Sciences & Biotechnology, AIB: 2015-Till date • Member, Interview Board, AIB: 2007-Till date • Member, PhD Interview Board, AIB: 2017-Till date • Member, Area Advisory Board (AAB) (Internal), Amity Institute of Applied Sciences (AIAS): 2019-2021) • Head, Entrepreneurship Cell, AIB • Member (Vice Chancellor Special Invitee) Departmental Research Committee (DRC), Amity Institute of Virology (AIVI) (2017-2019) • Coordinator, Industrial Biotechnology Research Group (2019-)
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Project Details:	<p>Government Funded Project Details:</p> <p>Project Ongoing:</p> <ul style="list-style-type: none"> • Project entitled “Development of Novel Plant Superoxide Dismutase (SOD)-based Therapeutics against Lung Cancer” for Translation and Commercialization under ATRACT-Life Program (Accelerating Translation of Research and Commercialization of Technologies in Life Sciences’ Program) to C-CAMP (Centre for Cellular and Molecular Platforms, DBT, Gov) (2021-) <p>Project Completed (Principal Investigator):</p> <ul style="list-style-type: none"> • Project entitled “Studies on the effect of plant superoxide dismutases on human cancer cells: Molecular and <i>in silico</i> analysis” sanctioned by DBT
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	(Bio-CARe) [BT/Bio-CARe/03/10237/2013-14] (32.75 Lakhs).
No. of Ph.D. students supervised: 08	<p>Awarded: 04 Ongoing: 06 PhD Students under Supervision: Total-10</p> <ol style="list-style-type: none"> Ms. Deepali- Functional genomics analysis of drought stress tolerance in Indian wheat cultivars Mr. Kanagarethinam- Effect of plant protein tyrosine phosphatase and its inhibitors on human cancer cells: Biochemical and <i>in silico</i> analysis Ms. Shaily Tyagi- Molecular basis of resistance in <i>Cajanus platycarpus</i> against pod borer Ms. Priyanka Saxena- Characterization and efficiency evaluation of free and nano-matrix immobilized plant superoxide dismutase: Effect on human cancer cell lines Ms. Lubna Siddiqui- Purification and Characterization of Heterologously Expressed Superoxide Dismutase from Selected Ayurvedic Herbs & Spices: <i>In vitro</i> Anticancer and Anti-aging potential (Regn. August, 2021) Ms. Noor Ayesha- Studies on cysteine protease (Regn. August, 2021) <p>PhD Awarded: 04</p> <ol style="list-style-type: none"> Ms. Neetu Jabalia (2018)- Molecular characterization of protease isolated from <i>Zingiber officinale</i> rhizome: Effect on human cancer cell lines Ms. Seema Raj (2016)- To determine optimum fuel efficiency of biodiesel plant (<i>Jatropha curcas</i>) with respect to heavy metal uptake from fly ash Ms. Nameet Kaur (2015)- Characterization of Superoxide dismutase from selected plants Ms. Payal Mittal (2010)- Kinetic studies on the inhibition of protein tyrosine phosphatases by oxyanions and thiol-specific alkylating agents
No. of M. Phil. thesis supervised	<p>Awarded: 01</p> <ol style="list-style-type: none"> Ms. Seema Raj (2008)- Production of citric acid from molasses
M. Tech. Dissertation supervised	37
M.Sc. Dissertation supervised	132
MBA Project	01
B. Tech. + M. Tech. (Dual) Dissertation	14
B. Tech. Project	49

supervise	
<p>PUBLICATIONS</p> <p>Research Papers-55</p> <p>Publications in Conference Proceedings:13</p> <p>Book Chapters:06</p> <p>Abstract published: 77 (National & International Conferences)</p> <p>Invited Lectures: 08</p> <p>Conferences/Workshops/Courses/Seminars/Webinars/Symposiums/FDPs participated: 185</p>	<p>Publications:</p> <ol style="list-style-type: none"> 1. Shaily Tyagi; Maniraj Rathinam; PR Shashank; Nidhee Chaudhary; Ajit Kumar Shasany; Rohini Sreevathsa (2022) Deciphering of Pod Borer [<i>Helicoverpa armigera</i> (Hübner)] Resistance in <i>Cajanus platycarpus</i> (Benth.) Offers Novel Insights on the Reprogramming and Role of Flavonoid Biosynthesis Pathway Toxins 14, 455 July 2. https://doi.org/10.3390/toxins14070455 [ISSN:2072-6651] Publisher: Multidisciplinary Digital Publishing Institute (MDPI) Indexed/Abstracted in: Web of science, Scopus 2. Kanagarethinam Selvaraj, Nidhee Chaudhary, Subhash Chand, Deepshikha Pande Katare (2023) <i>Ribes nigrum</i> and <i>Juglans regia</i>, potential functional foods as a source of protein tyrosine phosphatase enzyme: Biochemical and Kinetics studies. Biointerface Research in Applied Chemistry 13, (1), 61 Feb 2, DOI: https://doi.org/10.33263/BRIAC131.061 [IF-1.949] Online ahead of print, Publisher-Taylor & Francis [ISSN: 2069-5837] Indexed/Abstracted in: Web of science, Scopus 3. Priyanka Saxena, Kanagarethinam Selvaraj, S. K. Khare, Nidhee Chaudhary (2021) Superoxide Dismutase as Multipotent Therapeutic Antioxidant Enzyme: Role in Human Diseases. Biotechnology Letters, 44(1):1-22. 3 Nov 2021, DOI: https://doi.org/10.1007/s10529-021-03200-3 [IF-2.461] PMID: 34734354 Indexed/Abstracted in: Web of science, Scopus, PubMed 4. Archanalakshmi Kambaru, Nidhee Chaudhary (2021) Role of Protein Tyrosine Phosphatase in Regulation of Cell Signaling Cascades Affecting Tumor Cell Growth: A Future Perspective as Anti- Cancer Drug Target. Current Pharmaceutical Biotechnology 23, (7), 920-931 (Aug 1, 2021) DOI: 10.2174/1389201022666210810094739 [IF-2.837] Online ahead of print. PMID: 34375185 Publisher-Bentham Science, [ISSN: 1873-4316 (Online); ISSN: 1389-2010 (Print)] Indexed/Abstracted in: Web of science, Scopus, PubMed 5. Kanagarethinam Selvaraj, Deepshikha Pande Katare, Subhash Chand, Nidhee Chaudhary (2021) <i>Trachyspermum ammi</i> and <i>Cinnamomum verum</i> as Nutraceuticals: Spices Rich in Therapeutically Significant Protein Tyrosine Phosphatases. Journal of Food Biochemistry 45 (5) e13750 https://onlinelibrary.wiley.com/doi/10.1111/jfbc.13750 [IF-2.720] [ISSN: 0145-8884; E-ISSN:1745-4514] Indexed/Abstracted in: Web of science, Scopus 6. Deepali Upadhyay, Neeraj Budhlakoti, Amit Kumar Singh, Ruchi Bansal, Jyoti Kumari, Nidhee Chaudhary, Jasdeep Chatrath Padaria, Sindhu Sareen, Sundeep Kumar (2020) Drought tolerance in <i>Triticum aestivum</i> L. genotypes associated with enhanced antioxidative protection and declined lipid peroxidation. 3Biotech 10 (6), 281 doi: 10.1007/s13205-020-02264-8. Epub 2020 Jun 2. [ISSN 2190-5738] [IF-3.203] Indexed/Abstracted in: Web of science, Scopus. 7. Kanagarethinam Selvaraj, Deepshikha Pande Katare, Prabhanshu Kumar, Nidhee Chaudhary (2019) <i>Juglans regia</i> and <i>Ribes nigrum</i> as Potential Nutraceuticals:

- Source of Thermostable Superoxide Dismutase Enzyme. *Journal of Food Biochemistry* 43 (5) e12823 DOI: 10.1111/jfbc.12823 [ISSN: 0145-8884 (print); 1745-4514 (web) [IF-3.654] Indexed/Abstracted in: Web of science, Scopus
8. Prabhanshu Kumar, Vishal Haribhai Patel, Sanjeev Kumar, Arjun Khanna, Nahid Siddiqui, Kusuma Kumari, **Nidhee Chaudhary** and Pawan Kumar Maurya (2017) Deficiency of Serum 25-Hydroxy Vitamin D Level in Humans Belong to High Rainfall and High-Altitude Area of Indian Region. *Indian Res. J. Genet. & Biotech.* 9(4): 551-555 (November). [ISSN: 2277-1913 (Print); 2249-7498 (Online)] UGC Approved, Indexed/Abstracted in: Indian Science Abstract, Indian Citation Index, National Academy of Agricultural Sciences (NAAS) rating 4.95
 9. Kanagarethinam, Pooja Mahapatra, **Nidhee Chaudhary** (2017) Anomalistic Implications of Protein Tyrosine Phosphatases: Need of Small Molecule Inhibitors Targeting PTPs in Human Diseases. *Journal of Proteins and Proteomics*, 8(4), 40-41 [ISSN: 0975-8151] Springer publishers (Journal Indexed in- Publons, Web of Science,).
 10. Pooja Mahapatra, Kanagarethinam, **Nidhee Chaudhary** (2017) Culinary Spices and Herbs as Potential Source of Thermostable Superoxide Dismutase: A Therapeutically Significant Enzyme. *Journal of Proteins and Proteomics*, 8(4), 55-56 [ISSN: 0975-8151] Springer publishers (Journal Indexed in- Publons, Web of Science,).
 11. Neetu Jabalia, Kanaga Rethinam, P.C. Mishra, **Nidhee Chaudhary** (2017) Biochemical characterization of protease from *Zingiber officinale* rhizome by using neural networking approach. *International Journal of Pharmaceutical Sciences and Research*, 8(12):5276-81. doi: 10.13040/IJPSR. [ISSN (Online): 0975-8232, ISSN (Print): 2320-5148] [IF-1.11] (Journal Indexed in- Thomson Reuters, Web of science, PubMed,).
 12. Kanagarethinam S, Pooja Mahapatra, Neetu Jabalia, **Nidhee Chaudhary** (2017) Protein Tyrosine Phosphatase-Prospective Target against Cancer: A Mini Review. *Cancer Surgery*, 2, 113, 1-4 (March) [ISSN: 2573-542X] (Journal Indexed in- RefSeek, EBSCO, Google Scholar)
 13. Prabhanshu Kumar, **Nidhee Chaudhary**, Narendra Kumar Sharma and Pawan Kumar Maurya (2016) Detection of oxidative stress biomarkers in myricetin treated red blood cells. *RSC Adv.*, 6, 100028-100034 (DOI: 10.1039/C6RA15213A) (October) [ISSN: 2046-2069] [IF-3.361] (Journal Indexed in- Scopus, Web of science).
 14. Neetu Jabalia, P.C. Mishra, **Nidhee Chaudhary** (2016) Studies on the Effect of Various Additives on Thermostable Protease Extracted from *Zingiber officinale* Rhizome. *International Journal of Pharma and Biosciences*, 7(3), (B) 932-938 (July) [ISSN: 0975-6299] [IF-0.35] (Journal Indexed in- Web of science,).
 15. Nameet Kaur, B.K. Malik, **Nidhee Chaudhary** (2016) Comparative Studies on Thermostable Superoxide Dismutase isolated from *Myristica fragrans* and *Trigonella foenum-graecum*: Therapeutically important spices. *International Journal of Basic and Applied Biology*, 3 (1), 81-91 (January-March) [Print ISSN: 2394-5820; Online ISSN: 2349-2539] (Journal Indexed in- Google scholar)

16. Anoushka Kotra, Neetu Jabalia, **Nidhee Chaudhary** (2016) Significant Role of Genomics in Crop Breeding: An Overview. *International Journal of Basic and Applied Biology*, 3 (1), 50-54 (January-March) [Print ISSN: 2394-5820; Online ISSN: 2349-2539] (Journal Indexed in- Google scholar)
17. Akanksha Suman, **Nidhee Chaudhary**, Neetu Jabalia (2016) Biosensor and Molecular Diagnostics: An Overview. *International Journal of Basic and Applied Biology*, 3 (1), 46-49 (January-March) [Print ISSN: 2394-5820; Online ISSN: 2349-2539] (Journal Indexed in- Google scholar)
18. **Nidhee Chaudhary** (2015) Conversion of two agrowastes; wheat straw and corn stover into bioethanol using simultaneous saccharification and fermentation process. *J. Biotechnol. Biomater.* 5 (6), 167 [ISSN: 2155-952X] DOI: [10.4172/2155-952X.C1.043](https://doi.org/10.4172/2155-952X.C1.043) (Journal Indexed in- DOAJ, Publons,
19. Nameet Kaur, B.K. Malik, **Nidhee Chaudhary** (2015) Some Parameters of Partially Purified Superoxide Dismutase Isolated from Fenugreek (*Trigonella foenum-graecum*): A Therapeutic Enzyme. *J. Biotechnol. Biomater.* 5 (6), 288 [ISSN: 2155-952X] DOI: [10.4172/2155-952X.C1.044](https://doi.org/10.4172/2155-952X.C1.044) (Journal Indexed in- DOAJ, Publons,
20. **Nidhee Chaudhary**, Monendra Grover (2015) Biochemical Characterization and Amino Acid Sequence Analysis of Thermostable Endo- β -1, 4-glucanase from *Trichoderma viride*. *Protein Science*, 24 (S1), 1-313 DOI: [10.1002/pro.2823](https://doi.org/10.1002/pro.2823) [ISSN: 0961-8368] [IF-3.15] (Journal Indexed in-Scopus, ISI Web of science).
21. Neetu Jabalia, Hina Bansal, P.C. Mishra, **Nidhee Chaudhary** (2015) *In-silico* studies on cysteine protease sequences from *Zingiber officinale*. *Journal of Proteins and Proteomics*, 6(3), 245-253 [ISSN: 0975-8151] Springer publishers (Journal Indexed in- Publons, Web of Science, Indian Science).
22. Neetu Jabalia, **Nidhee Chaudhary** (2015) Heat Resistant Proteases Isolated from Medicinally Significant Spices: Partial Purification and Biochemical Characterization. *GSTF Journal of Biosciences*, 3 (2), 15-19 [ISSN: 2251-3159] (Journal Indexed in- Publons, CAS, Ulrichsweb, EconBiz, EBSCO, CrossRef, ProQuest,
23. Shikha Agarwal, Priyanka Sharma, **Nidhee Chaudhary** (2015) Heat tolerant superoxide dismutase from therapeutically significant *Cuminum cyminum*: Partial purification and kinetic studies. *Journal of Agricultural Engineering and Food Technology*, 2 (2), 131-135 (April-June, 2015) [ISSN: 2350-0085]. (Journal Indexed in- Publons)
24. Sawetaji, Aparna, **Nidhee Chaudhary** (2015) Kinetic and Biochemical Studies of Thermostable Protease Partially Purified from *Cinnamomum zeylanicum*: A Medicinally Important Culinary spice. *Journal of Agricultural Engineering and Food Technology*, 2 (2), 127-130 (April-June, 2015) [ISSN: 2350-0085]. (Journal Indexed in- Publons)
25. Aparna, Sawetaji, **Nidhee Chaudhary** (2015) Partial Purification and Kinetic Studies of Thermostable Protease Isolated from *Ocimum basilicum*: A Medicinally Important Culinary Herb. *International Journal of Basic and Applied Biology*, 2 (5), 280-283 (April-June, 2015) [ISSN: 2394-5820] (Journal Indexed in- Google scholar).

26. Neetu Jabalia, Hina Bansal, P.C. Mishra, **Nidhee Chaudhary** (2015) *In-silico* Comparative Analysis of Papain Family Cysteine Protease using Computational Tools and Servers, International Journal of Basic and Applied Biology, 2 (5), 310-314 (April-June, 2015) [ISSN: 2394-5820] (Journal Indexed in- Google scholar).
27. Priyanka Sharma, Shikha Agarwal, Vaishali Singh, **Nidhee Chaudhary** (2015) Thermostable Superoxide Dismutase of Medicinally Important *Buchanania lanzan*: Partial Purification and Characterization, International Journal of Basic and Applied Biology, 2 (5), 315-318 (April-June, 2015) [ISSN: 2394-5820] (Journal Indexed in- Google scholar).
28. Nameet Kaur, **Nidhee Chaudhary** (2015) Study on various properties of partially purified thermostable Superoxide dismutase obtained from *Curcuma longa*: A Medicinally Important Spice. Journal of Agricultural Engineering and Food Technology, 2 (1), 49-52 (January-March) [Print ISSN: 2350-0085; Online ISSN: 2350-0263]. (Journal Indexed in- Publons)
29. Neetu Jabalia, P.C. Mishra, **Nidhee Chaudhary** (2014) Applications, Challenges and Future Prospects of Proteases: An Overview. Journal of Agroecology and Natural Resource Management, 1 (3), 179-183 [Print ISSN: 2394-0786; Online ISSN: 2394-0794] [IF= 0.5]. (Journal Indexed in -web of science)
30. **Nidhee Chaudhary**, Subhash Chand, Nameet Kaur (2014) Bioethanol production from fruit peels using simultaneous saccharification and fermentation. GSTF Journal of Biosciences, 3 (1), 52-56 (August) [ISSN: 2251-3159] (D.O.I: 10.5176/2251-3140_3.1.51) (Journal Indexed in-Publons).
31. Nameet Kaur, Subhash Chand, **Nidhee Chaudhary** (2014) Partial purification and kinetic studies of thermostable superoxide dismutase isolated from pulp of *Zingiber officinale*: A therapeutic enzyme. International Journal of Agriculture and Food Science Technology, 5 (6), 583-592 [ISSN: 2249-3050] [IF= 0.676]. (Journal Indexed in- web of science).
32. Seema Raj, **Nidhee Chaudhary** (2014) Bioconversion of Molasses, an Agro-based Bye Product into Citric Acid using Free and Immobilized Manganese Resistant Mutant *Aspergillus niger* cells. International Journal of Agriculture and Food Science Technology, 5 (6), 643-652 [ISSN: 2249-3050]. [IF= 0.676]. (Journal Indexed in- web of science).
33. **Nidhee Chaudhary**, Subhash Chand, Nameet kaur (2014) Kinetic and biochemical investigations of thermostable acid phosphatase from *Zea mays* and *Glycine max* cotyledons: A therapeutically important enzyme. Protein Science, 23, S1, 184-185 [ISSN: 0961-8368] [IF-3.15] (Journal Indexed in-Scopus, Embase (Elsevier), ISI Web of science).
34. Bhawya Khurana, Anushree Mishra, Neetu Jabalia, **Nidhee Chaudhary** (2014) Various biochemical parameters of protease isolated from *Adhatoda vasica*: A Medicinally Important Plant. International Journal of Genetic Engineering and Biotechnology, 5 (1), 1-6 [ISSN: 0974-3073] Springer Publisher (Journal Indexed in- Google scholar).
35. Shalabh Sharma, Sonali Bahuguna, Nameet Kaur, **Nidhee Chaudhary** (2014) Biochemical aspects of superoxide dismutase isolated from *Amaranthus*

spinus: A Therapeutically Important Plant. International Journal of Genetic Engineering and Biotechnology, 5 (1), 35-42 [ISSN: 0974-3073] Springer Publisher (Journal Indexed in- Google scholar).

36. Nameet Kaur, Subhash Chand, **Nidhee Chaudhary** (2013) Comparative Studies on Biochemical Characteristics of Thermostable Superoxide dismutase enzyme isolated from root and stem of *Jatropha curcas*: A Wonder Plant. Indian Journal of Clinical Biochemistry, 28 (1), 282 [ISSN: 0970-1915] (Journal Indexed in-Scopus, PubMed).
37. Neetu Jabalia, Hina Bansal, P.C.Mishra, **Nidhee Chaudhary** (2013) Computational analysis of protease from *Zingiber officinale*. Journal of Proteins and Proteomics, 4 (2), 37 [ISSN: 0975-8151] Springer publishers (Journal Indexed in- Publons, Web of Science).
38. **Nidhee Chaudhary**, Subhash chand, Nameet kaur (2013) Some Aspects of Thermostable Superoxide Dismutase Isolated from *Juglans regia* and *Ribes nigrum*: Therapeutically Important Dry Fruits. Protein Science, 22 (1), S1, 66 [ISSN: 0961-8368] [IF-3.15] (Journal Indexed in-Scopus, Embase (Elsevier), ISI Web of science) (<http://insights.ovid.com/protein-science/pros/2013/08/001/aspects-thermostable-superoxide-dismutase-isolated/10/01445498>).
39. Nameet Kaur, Subhash Chand, **Nidhee Chaudhary** (2013) Characterization of Superoxide Dismutase Isolated from Culinary-Medicinal Indian Chilli (*Capsicum annum* L.) Protein Science, 22 (1), S1, 68-69 [ISSN: 0961-8368] [IF-3.15] (Journal Indexed in-Scopus, PubMed, ISI Web of science) (<http://insights.ovid.com/protein-science/pros/2013/08/001/characterization-superoxide-dismutase-isolated/16/01445498>). doi/abs/10.1002/pro.2303
40. **Nidhee Chaudhary**, Subhash chand, Nameet kaur (2013) Kinetic and Biochemical Parameters of Thermostable Superoxide Dismutase isolated from *Ribes nigrum*: A Functional Food. GSTF Journal of Biosciences, 2 (2), 25-29 [ISSN: 2251-3159] (Journal Indexed in-Publons,).
41. **Nidhee Chaudhary**, Nameet Kaur, Neetu Jabalia, Hina Bansal (2012) Biochemical investigations on thermostable superoxide dismutase isolated from *Jatropha curcas* stem. International Journal of Environmental Engineering and Management, 3 (5), 323-326 [ISSN: 2231-1319] (Journal Indexed in- Google scholar) UGC-approved
42. **Nidhee Chaudhary** (2012) Biochemical studies on thermostable superoxide dismutase isolated from *Juglans regia*: A Functional enzyme. J. Biotechnol. Biomater., 2 (6), 164 [ISSN: 2155-952X] DOI: [10.4172/2155-952X.S1.009](https://doi.org/10.4172/2155-952X.S1.009) (Journal Indexed in- SCI-expanded databases, DOAJ, Publons,). (<https://www.omicsonline.org/proceedings/biochemical-studies-on-thermostable-superoxide-dismutase-isolated-from-juglans-regia-a-functional-enzyme-4882.html>)
43. **Nidhee Chaudhary**, Nameet Kaur, Neetu Jabalia, Hina Bansal (2012) Studies on thermostable superoxide dismutase enzyme isolated from *Zingiber officinale* peel: A therapeutically important enzyme. Journal of Proteins and Proteomics,

- 3(2), 22 [ISSN: 0975-8151] Springer publishers (Journal Indexed in—Publons, Web of Science).
44. Hina Bansal, Neetu Jabalia, Ankur Chaurasia, **Nidhee Chaudhary** (2012) Phylogenetic analysis and *in-silico* structural characterization of parkinson protein 2, E3 ubiquitin protein ligase gene. Journal of Proteins and Proteomics, 3(2), 50 [ISSN: 0975-8151] Springer publishers (Journal Indexed in- Publons, Web of Science).
45. Neetu Jabalia, Hina Bansal, **Nidhee Chaudhary**, Nameet Kaur, Prakash Chandra Mishra (2012) *In-silico* prediction of structural and functional aspects of a hypothetical protein of *Staphylococcus epidermidis*. Journal of Proteins and Proteomics, 3(2), 51 [ISSN: 0975-8151] Springer publishers (Journal Indexed in- Publons, Web of Science).
46. **Nidhee Chaudhary** (2012) Biochemical investigations of thermostable acid phosphatases from *Pisum sativum* and *Triticum aestivum* cotyledons. GSTF Journal of Biosciences, 1 (2), 16-20 [ISSN: 2251-3159] (Journal Indexed in- Publons,).
47. **Nidhee Chaudhary** (2012) Biochemical and kinetic investigations of partially purified thermostable acid phosphatases from *Solanum tuberosum* and *Citrus limonium*. Research and Reviews: A Journal of Life Sciences, 2 (1), 1-10 [ISSN: 2249-8656] (Journal Indexed in-Google scholar, CAS: Chemical Abstracts Service (ACS)).
48. **Nidhee Chaudhary** and Seema Raj (2012) Optimization of process parameters of citric acid production from cane molasses using free and immobilized cells of manganese resistant mutant of *Aspergillus niger*. Electronic Journal of Environmental, Agricultural and Food Chemistry, 11 (3), 180-187 [ISSN: 1579-4377] (Journal Indexed in-Scopus, Scimago, Google Scholar).
49. **Nidhee Chaudhary** (2011) Amino acid sequence analysis of thermostable endo- β -1-4-glucanase purified from *Trichoderma viride*. Journal of Natural Science, Biology and Medicine 2 (2), 34 [ISSN: Print-0976-9668] [Online-2229-7707] (<http://www.jnsbm.org/text.asp?2011/2/3/34/95758>) [IF-0.456] (Journal Indexed in- ISI Web of science, Pubmed).
50. Neetu Jabalia, Hina Bansal, Rahul VV, **Nidhee Chaudhary**, Alka Grover and Jitendra Narayan (2011) Role of web services in bioinformatics. Journal of Natural Science, Biology and Medicine, 2 (2), 90 [ISSN: Print-0976-9668] [Online-2229-7707] [IF-0.456] (Journal Indexed in- ISI Web of science, Pubmed Central,).
51. Pooja Vashishta, **Nidhee Chaudhary** and Chandra B. Sharma (2006) Plant protein tyrosine phosphatases: An Overview. Proc. Nat. Acad. Sci. India, 75(B), III, 207-215 [ISSN: 0253-4134] [IF- 0.396] (Journal Indexed in-Scopus, ISI Web of science).
52. **Nidhee Chaudhary** and Chandra B. Sharma (2005) Production of citric acid and single cell protein from agrowaste. Natl. Acad. Sci. Lett., 28 (5 & 6), 189-193 [ISSN: 0250-541X] [IF-0.788] (Journal Indexed in- Thomson Reuters SCI-expanded databases, ISI Web of science, Published by Springer).
53. **Nidhee Chaudhary** and Chandra B. Sharma (2005) Effect of pretreatment

on morphology and enzymatic hydrolysis of lignocellulosic agrowaste. Proc. Nat. Acad. Sci. India, 75(B), II, 121-125 [ISSN: 0369-8211] [IF- 0.95] (Journal Indexed in- Scopus, Google Scholar, Thomson Reuters SCI-expanded databases, ISI Web of science, Published by Springer).

54. Pooja Vashishta, **Nidhee Chaudhary** and Chandra B. Sharma (2005) Development, tissue-specific localization of protein phosphatases in peanut seedlings: Effect of oxidative stress. Journal of Plant Biology, 32 (3), 1-4 [ISSN: 1226-9239] [IF-1.671] (Journal Indexed in-Scopus, ISI Web of science).
55. MalaNath and **Nidhee Chaudhary** (1998) Synthesis, spectroscopic and polarographic studies of dibutyltin (IV) complexes of Schiff bases derived from 2-aminophenol. Synthesis and Reactivity in Inorganic, Metal-Organic, and Nano-Metal Chemistry (Formerly-Synthesis and Reactivity in Inorganic and Metal-Organic Chemistry (1971 - 2004)), 28 (1), 121-133 [ISSN: 1553-3174] [IF-0.685] (Journal Indexed in-Scopus, ISI Web of science).

Publications in Conference Proceedings:

1. Archanalakshmi Kambaru, Bellam Kiranmayee, Nidhee Chaudhary (2020) Functional Disruption of Striatal-Enriched Protein Tyrosine Phosphatase (STEP) in Psychiatric Disorders. Proceedings of International Conference on Innovations in Biotechnology and Life Sciences, ICIBLS-2020 organized by Department of Biotechnology, Delhi Technological University, New Delhi, India, 085, pp. 126, DOI: 10.6084/m9.figshare.13947833 [ISBN: 978-93-88647-33-5] (December 18-20, 2020).. <http://books.google.com/books/about?id=SA0eEAAAQBAI>
2. Priyanka Saxena, Nidhee Chaudhary (2020) Therapeutic Implications of Antioxidants on COVID-19. Proceedings of International Conference on Innovations in Biotechnology and Life Sciences, ICIBLS-2020 organized by Department of Biotechnology, Delhi Technological University, New Delhi, India, 231, pp. 231, DOI: 10.6084/m9.figshare.13947833 [ISBN: 978-93-88647-33-5] (December 18-20, 2020). <http://books.google.com/books/about?id=SA0eEAAAQBAI>
3. Shaily Tyagi, Nidhee Chaudhary, Rohini Sreevathsa (2020) Validation of Putative Insect Resistance Genes from *Cajanus platycarpus* in *Nicotiana tabacum*. Proceedings of International Conference on Innovations in Biotechnology and Life Sciences, ICIBLS-2020 organized by Department of Biotechnology, Delhi Technological University, New Delhi, India, 185, pp. 209, DOI: 10.6084/m9.figshare.13947833 [ISBN: 978-93-88647-33-5] (December 18-20, 2020). <http://books.google.com/books/about?id=SA0eEAAAQBAI>
4. Kanagarethinam S, **Nidhee Chaudhary** (2018) Superoxide dismutase: An antioxidant therapy against oxidative stress analogous to human malady. Proceedings of the 12th INDIACom 2018; IEEE Conference 5th International Conference on "Computing for Sustainable Global Development", Bharati Vidyapeeth's Institute of Computer Applications and Management (BVICAM), New Delhi, India (March 16-18, 2018) 2014-2017 [ISSN 0973-7529; ISBN 978-93-80544-28-1] (Indexed in- Scopus)

(<http://bvicam.ac.in/news/INDIACom%202018%20Proceedings/Main/papers/2844.pdf>).

5. Akansha Sharma, Anoushka Kotra, Shivam Sharma, Apoorva Sharma, Neetu Jabalia, **Nidhee Chaudhary** (2017) *In-silico* analysis of cysteine protease sequences using data mining and phylogenetic analysis. IEEE Conference Proceedings of the 11th INDIACom; (0973-7529) ID: 403532017 4th International Conference on “Computing for Sustainable Global Development”, Bharati Vidyapeeth's Institute of Computer Applications and Management (BVICAM), New Delhi, India (March 01-03, 2017), 2038-2043 [ISSN: 0973-7529; ISBN: 978-93-80544-24-3] (IEEE Xplore Publication Part Number-CFP1783W-ART ISBN: 978-93-80544-25-0) (Indexed in- Scopus) (<http://bvicam.ac.in/news/INDIACom%202017%20Proceedings/Main/papers/1210.pdf>).
6. Shivam Sharma, Apoorva Sharma, Neetu Jabalia, **Nidhee Chaudhary** (2016) Structural Analysis and Physico-chemical Properties of Protease from *Streptomyces canus* using Computational Approach. Proceedings of “International Conference on Innovative Research in Agriculture, Food Science, Forestry, Horticulture, Aquaculture, Animal Sciences, Biodiversity, Ecological Sciences and Climate Change” (AFHABEC-2016), organized by “Krishi Sanskriti & Dr. G. C. Mishra Educational Foundation” at Jawaharlal Nehru University, New Delhi, India (October 22, 2016), 85-88 [ISBN:978-93-85822-33-9].
7. Anoushka Kotra, **Nidhee Chaudhary**, Neetu Jabalia (2015) Role of Bioinformatics in Food allergens: An overview. Proceedings of National Conference on “Innovative Research in Agriculture, Food Science, Forestry, Horticulture, Aquaculture, Animal Sciences, Biodiversity, Environmental Engineering and Climate Change” (AFHABEC-2015), organized by “Krishi Sanskriti” at Jawaharlal Nehru University, New Delhi, India (October 31-November 01, 2015), 125-128 [ISBN: 978-93-85822-05-6].
8. Akansha Suman, **Nidhee Chaudhary**, Neetu Jabalia (2015) Role of Bioinformatics in Clinical Trials: An overview. Proceedings of National Conference on “Innovative Research in Agriculture, Food Science, Forestry, Horticulture, Aquaculture, Animal Sciences, Biodiversity, Environmental Engineering and Climate Change” (AFHABEC-2015), organized by “Krishi Sanskriti” at Jawaharlal Nehru University, New Delhi, India (October 31-November 01, 2015), 129-132 [ISBN: 978-93-85822-05-6].
9. Neetu Jabalia **and Nidhee Chaudhary** (2015) Partial Purification and Characterization of thermostable protease isolated from therapeutically important spices. Proceedings of 5th Annual International Conference on "Advances in Biotechnology" (BIOTECH 2015) organized by Global Science and Technology Forum (GSTF), Singapore, in partnership with Indian Institute of Technology, Kanpur (IITK) held at IITK, India (March 13-15, 2015) [doi: 10.5176/2251-2489_BioTech15.74] [ISSN: 2251-2489].
10. **Nidhee Chaudhary**, Subhash chand, Nameet kaur (2013) Studies on biochemical characteristics of thermostable superoxide dismutase isolated from *Ribes nigrum*: A Functional food. Proceedings of 3rd Annual International

Conference on “Advances in Biotechnology”, Biotech 2013, organized by Global Science and Technology Forum (GSTF), Singapore, held at Singapore (March 18-19, 2013) 49-53 [ISSN: 2251-2489].

11. **Nidhee Chaudhary**, Subhash Chand and Nameet Kaur (2012) Biochemical investigations of thermostable acid phosphatases from *Pisum sativum* and *Triticum aestivum* cotyledons. Proceedings of 2nd Annual International Conference on “Advances in Biotechnology”, Biotech 2012, organized by Global Science and Technology Forum (GSTF), Singapore, held at Bangkok, Thailand (March 12-13, 2012), 33-37 [ISSN: 2251-2489].

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1. Swapnil Gurrani, Nidhee Chaudhary, Christine Jeyaseelan and Debarati Paul (2022) Sustainable bioconversion of lignocellulosics to biodiesel: Pretreatment, fermentation, and techno-economic analysis (Accepted)(Elsevier Book Chapter) Kumar-AOSD-1633343 978-0-323-90875-7 00002
2. Nameet Kaur and **Nidhee Chaudhary** (2015) Superoxide dismutase as a gene therapy: Future perspectives. BioEvolution, 2 (1), February 26-30 [ISBN: 978-93-83006-04-5].
3. Nameet Kaur and **Nidhee Chaudhary** (2014) Role of superoxide dismutase in therapeutics: An overview BioEvolution, 1 (3), September, 82-84 [ISBN: 978-93-83006-02-1].
4. Seema Raj, **Nidhee Chaudhary** (2014) Citric acid from biowaste: Challenges and prospects. BioEvolution, 1 (2), May, 48-50 [ISBN: 978-81-925781-3-2].
5. **Chaudhary Nidhee**, Kaur Nameet, Jabalia Neetu, Bansal Hina (2012) Studies on biochemical aspects of thermostable superoxide dismutase isolated from *Jatropha curcas* root. Biologix, 1st edition, 173-176 [ISBN: 81-88919-13-6].
6. Nupur Sinha, **Nidhee Chaudhary**, Nameet Kaur and Kanishk Singh (2011) Comparative studies on the effect of aqueous and ethanolic extract of three medicinally important Citrus fruits on MCF-7 cancer cell line. Nanomaterials and Nanotechnology, 131 [ISBN: 978-81-920068-3-3].

Patents:

1. **Nidhee Chaudhary**, Selvaraj Kanagarethinam “*In vitro* anticancer potency of PTPase from *Piper nigrum*, against human breast adenocarcinoma (MDA-MB-231) cells and method thereof (Provisional Patent-08.04.2022; Patent Application No.- 202211021126)
2. **Nidhee Chaudhary**, Selvaraj Kanagarethinam 'A method of antiproliferation of breast cancer cells using o-phospho-L-tyrosine specific phosphatase from black pepper'(Provisional Patent-21.02.2022; Patent Application No.- 202211008855).
3. **Nidhee Chaudhary**, Selvaraj Kanagarethinam 'A method for evaluating cytotoxic effect of novel thermostable protein tyrosine phosphatase against Siha, human cervical cancer cells' (Provisional Patent-22.10.2021; Patent Application No.- 202111048166).
4. **Nidhee Chaudhary**, Selvaraj Kanagarethinam, Deepshikha Pande Katare A

Patent:08

method for isolating thermo-resistant superoxide free radical scavenging enzyme from Ajwain and its growth inhibitory effect against human cervical cancer cells (HeLa) (Provisional Patent- 14.05.2020; Complete patent- 12.05.2021; Patent Application No.- 202011020448; E-2/733/2021/DEL) (Published on 19/11/2021)

5. **Nidhee Chaudhary**, Selvaraj Kanagarethinam Cytotoxic Effect of Novel Thermostable Superoxide Dismutase Purified from *Trachyspermum ammi* (Ajwain) against Human Lung Cancer Cells (A549) (Application date.-April 26, 2019; Patent Application No.-201911016664) (Complete patent-26.02.2020; Reference No. E-101/34399/2019-DEL) (Published-20.08.2021)
6. **Nidhee Chaudhary**, Neetu Jabalia Cytotoxic Effect of Novel Thermostable Protease Purified from Ginger (*Zingiber officinale* var. *Rejatha*) on MCF-7; Human Breast Cancer Cell line (July 11.07.2017; Patent Application No.- 201711024349) (Complete patent- 18.12.2017; Reference No. E-2/1930/2017-DEL) (Published-18.01.2019) (RFE-09.07.2021)
7. **Nidhee Chaudhary**, Nameet Kaur, Subhash Chand A thermally stable Superoxide dismutase enzyme isolated from Black cardamum (*A. subulatum*) exhibiting cytotoxicity against human breast cancer cell line (MCF-7) (Application date-31.05.2017; Patent Application No.-201711019088) (Complete patent- 31.5.2017; Reference No. E-2/882/2017-DEL) (Published- 07.12.2018) (RFE-27.05.2021)
8. **Nidhee Chaudhary**, Nameet Kaur, Subhash Chand Thermostable superoxide dismutase enzyme purified from black cardamum (*A. subulatum*) for cytotoxic effect on HepG-2; human liver cancer cells (26.10.2016; Patent Application No.- 201611036657) (Complete patent- 19.06.2017; Reference No. E-2/971/2017-DEL) (Published-27.04.2018) (RFE-20.10.2020)

Novel amino acid sequences:

1. **PXD033138 (April 11, 2022) Novel amino acid sequence** (mass spectrometry proteomics data) entitled "**Molecular analysis of Protein tyrosine phosphatase purified from Piper nigrum**" submitted to ProteomeXchange Consortium via the PRIDE partner repository with the dataset identifier PXD033138
2. **PXD028340 (September, 2021): Novel amino acid sequence** (mass spectrometry proteomics data) entitled "Biochemical and Molecular Characterization of Protein Tyrosine Phosphatase Enzyme Isolated from Black Pepper (*Piper nigrum*)" submitted to ProteomeXchange Consortium via the PRIDE partner repository with the dataset identifier PXD028340
3. **PXD011955 (December, 2018): Novel amino acid sequence** (mass spectrometry proteomics data) entitled "Molecular analysis of Super oxide dismutase purified from *Trachyspermum ammi*" submitted to ProteomeXchange Consortium via the PRIDE partner repository with the dataset identifier PXD011955
4. **PXD011886 (November, 2018): Novel amino acid sequence** (mass spectrometry proteomics data) entitled "Biochemical and Molecular

Novel Amino Acid Sequences: 07

	<p>characterization of Superoxide dismutase enzyme purified from Ajwain (<i>Trachyspermum ammi</i>)” submitted to ProteomeXchange Consortium via the PRIDE partner repository with the dataset identifier PXD011886</p> <p>5. PXD006364 (April, 2017): Novel amino acid sequence (mass spectrometry proteomics data) of protease isolated from <i>Zingiber officinale</i> rhizome submitted to ProteomeXchange Consortium via the PRIDE partner repository with the dataset identifier PXD006364</p> <p>6. PXD001475 (November, 2014): Novel amino acid sequence (mass spectrometry proteomics data) of Superoxide dismutase enzyme isolated from <i>Amomum subulatum</i> has been successfully submitted to ProteomeXchange Consortium via the PRIDE partner repository with the dataset identifier PXD001475</p> <p>7. P85218 (July, 2007) Novel N-terminal amino acid sequence of an endoglucanase enzyme isolated from <i>Trichoderma viride</i> recognized and entered in an International Protein Repository- Universal Protein Resource (UniPROT) (Accession No. P85218)</p>
MoU:	<ul style="list-style-type: none"> • MoU signed between Prerana Bio-Innovations Research Pvt. Ltd., Gujarat and Amity Universities & Institutes for research, training, and entrepreneurship (June 10, 2021) • MoU between Amity University & Life Science Skill Sector Development Council (LSSSDC) (November 29, 2021) • LSSSDC Membership (July 17, 2021)
RESEARCH PROJECTS Completed: (total no.): Ongoing: (total no.):	<ul style="list-style-type: none"> • Project entitled “Development of Novel Plant Superoxide Dismutase (SOD)-based Therapeutics against Lung Cancer” for Translation and Commercialization under ATRACT-Life Program (Accelerating Translation of Research and Commercialization of Technologies in Life Sciences’ Program) to C-CAMP (Centre for Cellular and Molecular Platforms, DBT, Gov) (March 18, 2021) • Principal Investigator of a project entitled “Studies on the effect of plant superoxide dismutases on human cancer cells: Molecular and <i>in silico</i> analysis” funded by Department of Biotechnology (DBT)
AWARDS & HONOURS/ DISTINCTIONS	<p>Awards/ Distinctions/Recognition:</p> <ul style="list-style-type: none"> • Recipient, Certificate for Best Paper Presentation Award in Two-day Virtual Second International Conference on “Mycotechnology: Present Status and Future Perspectives – MTPSFP-2022” organised by the Department of Biotechnology, Bannari Amman Institute of Technology, Tamil Nadu in association with Biotech Research Society of India (BRSI) (April 22-23, 2022) • Recipient, Certificate for Exceptional contribution in organization and coordination of International Symposium of Biotechnology & Biochemical Engineering (ISBBE-2021) on "Waste Management and Innovation for Valorization: Enroute A Sustainable World and Future" organized jointly by Centre for Biotechnology & Biochemical Engineering, Amity Institute of Biotechnology and Amity University Kolkata on Virtual Platform (October 26 -

27, 2021)

- Session Chair, International Symposium of Biotechnology & Biochemical Engineering (ISBBE-2021) on "Waste Management and Innovation for Valorization: Enroute A Sustainable World and Future" organized jointly by Centre for Biotechnology & Biochemical Engineering, Amity Institute of Biotechnology and Amity University Kolkata on Virtual Platform (October 26 - 27, 2021)
- Recipient, Certificate for Exceptional contribution Recipient, Certificate for Exceptional contribution as Primary Evaluator in "Toycathon 2021" an inter-ministerial initiative under the 'AatmaNirbhar Bharat Abhiyan', organized by Ministry of Education's Innovation Cell with support from All India Council for Technical Education, Ministry of Women and Child Development, Ministry of Commerce and Industry, Ministry of MSME, Ministry of Textiles and Ministry of Information and Broadcasting, GoI (Jan-Feb 2021).
- Recipient, Certificate of appreciation conferred during International Conference on Innovations in Biotechnology and Life Sciences, (ICIBLS-2020) organized by Department of Biotechnology, Delhi Technological University, New Delhi, India (December 18-20, 2020).
- Recipient, Certificate of appreciation conferred during Virtual 3rd International Conference on Entrepreneurship, Innovation & Leadership (ICEIL-2020) for organization and coordination of a Panel Discussion on topic "Industrial Biotechnology and its contribution to Bioeconomy" in at Amity University Uttar Pradesh, Noida, India (December 17-19, 2020)
- Recipient, Certificate of appreciation conferred during International Day of Yoga Celebrations from June 06 - 21, 2020 on the topic of "Importance of Meditation & Breath Works in Mind Management & Productivity" session conducted by Capt. Richik Sinha Roy, Co-Founder, UREIFY, Interview and Soft - Skills Trainer and Meditation Coach organized by Amity Institute of Indian System of Medicine, Health & Allied Sciences Domain, Amity University Uttar Pradesh, Noida (INDIA) (July 04, 2020)
- Recipient, Certificate of appreciation conferred during International Day of Yoga Celebrations from June 06 - 21, 2020 on the topic of "A preventive and managerial approach towards COVID 19: The Ayurvedic perspective" session conducted by Dr. Akhilesh Sharma, Former Advisor (Ayurveda), Govt. of Delhi and Visiting Faculty, California College of Ayurveda, organized by Amity Institute of Indian System of Medicine, Health & Allied Sciences Domain, Amity University Uttar Pradesh, Noida (INDIA) (June 15, 2020)
- Recipient, Certificate of appreciation conferred during "International Summit on Women in STEM Visualizing the Future: New Skylines" organized by Department of Biotechnology (DBT), at India Habitat Centre, New Delhi (January 23-24, 2020)
- Recipient, Certificate of recognition conferred by Endling Scientific Organization, Endling Conferences, Phillipines, at "World Biotechnology Congress" at New Delhi, India (February 20-22, 2017)

	<ul style="list-style-type: none"> • Recipient, Special Recognition Certificate of appreciation for support as Organizing Committee Member in 6th World Congress on Biotechnology, OMICS, USA, at New Delhi, India (October 5-7, 2015) • Recipient, Certificate of recognition conferred by OMICS, USA, in 6th World Congress on Biotechnology, at New Delhi, India (October 5-7, 2015) • Recipient, Finn Wold Travel Award (2013), conferred by 'The Protein Society USA', for attending conference organized by 'The Protein Society USA' in "27th Annual Symposium of the Protein Society" organized by 'The Protein Society USA', held at Boston, Massachusetts, USA (July 20-23, 2013) • Recipient, DST Travel Grant (2013), conferred by Department of Science and Technology, GoI, for attending conference organized by 'The Protein Society USA' in "27th Annual Symposium of the Protein Society" organized by 'The Protein Society USA', held at Boston, Massachusetts, USA (July 20-23, 2013) • Recipient, Certificate of recognition conferred by OMICS, USA, in "3rd World Congress on Biotechnology" organized by OMICS Group, USA, held at Hyderabad International Convention Centre, Hyderabad, India (September 13-15, 2012) • University Gold Medalist, Master of Philosophy awarded by IIT Roorkee, Roorkee (Formerly Roorkee University, Roorkee) • Gold Medalist, Master of Science
<p>MEMBERSHIPS</p> <p>Professional/ Academic bodies: 52</p> <p>Editorial Board Member: 01</p> <p>Reviewer-in-charge: 01</p> <p>Reviewer: 11</p>	<p>Memberships</p> <p>Memberships (International & National):</p> <ul style="list-style-type: none"> • Life Member, Women in Science (WiS) panel, Indian Academy of Science women (No 3571) (May 24, 2020) • Member, American Chemical Society, USA (No. 32305221) (April 16, 2020-) • Member, Protein Society, USA (No.: 46557) (2012-2018) • Member, Japan Society for Bioscience, Biotechnology & Agrochemistry, Japan (No.:1701133) (March 21, 2017-2018) • Member, American Society of Microbiology (ASM) (No.: 56969140) (2012-13) • Life Member, Asian Federation of Biotechnology (AFOB) (Since 2013) • Life Member, Indian Society of Agricultural Biochemists (ISAB) (No.: L-516) (Since 25/05/2012) • Life Member, OMICS group, USA (No.: 0050026) (Since 23/11/2012) • Life Member, Global Science and Technology Forum (GSTF), Singapore (No.: GSTF 2012/030) (Since 12/03/2012) • Life Member, World Academy of Science, Engineering and Technology (WASET), USA • Life Member, Biotech Research Society, India (BRSI) (No.: LM1434) (Since 2013) • Life Member, Biotech Society of India (BSI) (No.: LM-384) (Since 2014) • Life Member, Bioinformatics and Drug Discovery Society [BIDDS] (No.: BIDDS17-30) (Since 2017) • Technical Committee (TPC) Member, 5th International Conference on Innovative Computing and Communication (ICICC-2022) organized by Shaheed Sukhdev College of Business Studies, University of Delhi, New Delhi in Association With

National Institute of Technology Patna & Korea Institute of Digital Convergence, South Korea, University of Valladolid, Spain (February 19-20, 2022)

- Technical Program Committee (TPC) Member, 15th INDIACom; 2021 IEEE 8th International Conference on Computing for Sustainable Global Development, Bharati Vidyapeeth's Institute of Computer Applications and Management (BVICAM), New Delhi, India (March 17-19, 2021)
- Technical Committee Member, ICICC-2021; 4th International Conference in innovative Computing and Communication (ICICC-2021) organized at Shaheed Sukhdev College of Business Studies in association with National Institute of Technology Patna and University of Valladolid, Spain at New Delhi, India (February 20-21, 2021) (Proceedings-Scopus indexed)
- Technical Committee Member, ICICC-2020; International Conference on Innovative Computing and Communication Organized by Shaheed Sukhdev College of Business Studies, New Delhi, India (Feb 21-23, 2020) (Proceedings-scopus indexed)
- Technical Program Committee (TPC) Member, 13th INDIACom; 2019 IEEE 6th International Conference on "Computing for Sustainable Global Development", Bharati Vidyapeeth's Institute of Computer Applications and Management (BVICAM), New Delhi, India (March 13-15, 2019)
- Technical Program Committee (TPC) Member (National Advisory), SVIT-ICEEMAS-2018 Special session on "Computational Intelligence in Big Data analysis", Second International Conference on Electrical, Electronics, Materials and Applied Science (ICEEMAS) organised by Swami Vivekananda Institute of Technology (SVIT), (in association with Knewton Institute) Secunderabad, Telangana, India (December 27-28, 2018)
- International Scientific Committee Member, ICBBE 2018: International Conference on Biological and Bioprocess Engineering Sydney, Australia, World Academy of Science, Engineering and Technology (WASET), USA (December 3 - 4, 2018)
- Technical Program Committee (TPC) Member (National Advisory), ICICC-2018 Special session on "Computational Intelligence in Big Data analysis", International Conference on Innovative Computing and Communication, Gurunanak Institute of Management, India (May 5-6, 2018)
- Technical Program Committee (TPC) Member, International Conference on Communication, Management and Information Technology (ICCMIT 2018), Madrid, Spain (April 02-04, 2018)
- International Scientific Committee Member, ICABSB 2018: 20th International Conference on Analytical Biotechnology and Systems Biology, Osaka, Japan (March 29-30, 2018)
- Technical Program Committee (TPC) Member, 12th INDIACom; 2018 IEEE 5th International Conference on "Computing for Sustainable Global Development", Bharati Vidyapeeth's Institute of Computer Applications and Management (BVICAM), New Delhi, India (March 16-18, 2018)
- Organizing Committee Member, 20th International Conference on

Pharmaceutical Biotechnology: Widespread Applications and Advancements in Pharmaceutical Biotechnology, Madrid, Spain (December 07-09, 2017)

- Organizing Committee Member, 19th World Congress on Biotechnology: Biotechnology: From Evidence to Excellence, Osaka, Japan (November 13-14, 2017)
- International Scientific Committee Member, ICBFT 2017: 19th International Conference on Bioprocess and Fermentation Technology, Istanbul, Turkey, World Academy of Science, Engineering and Technology (WASET), USA (December 21 - 22, 2017)
- International Scientific Committee Member, ICBFT 2017: 19th International Conference on Bioprocess and Fermentation Technology, San Francisco, USA, World Academy of Science, Engineering and Technology (WASET), USA (September 28-29, 2017)
- International Scientific Committee Member, ICASEE 2017: 19th International Conference on Agriculture Science and Environment Engineering, Copenhagen, Denmark, World Academy of Science, Engineering and Technology (WASET), USA (August 17-18, 2017)
- Abstract Review Committee Member, 31st Annual Symposium of The Protein Society, USA, Montreal, Canada (July 24-27, 2017)
- International Scientific Committee Member, ICBBE 2017: 19th International Conference on Biological and Bioprocess Engineering, Paris, France, World Academy of Science, Engineering and Technology (WASET), USA (May 18-19, 2017)
- Technical Program Committee (TPC) Member, International Conference on Communication, Management, and Information Technology (ICCMIT 2017), University of Warsaw, Warsaw, Poland (April 03-05, 2017)
- Program Committee Member, 7th Annual International Conference on Advances in Biotechnology "Biotech 2017", organized by Global Science and Technology Forum (GSTF), Singapore, Singapore (2017)
- International Scientific Committee Member, ICASEE 2017: 19th International Conference on Agriculture Science and Environment Engineering, Sydney, Australia, World Academy of Science, Engineering and Technology (WASET), USA (March 14-15, 2017)
- Technical Program Committee (TPC) Member, 11th INDIACom; 2017 IEEE 4th International Conference on "Computing for Sustainable Global Development", Bharati Vidyapeeth's Institute of Computer Applications and Management (BVICAM), New Delhi, India (March 01-03, 2017)
- International Scientific Committee Member, ICFBT 2017: 19th International Conference on Food and Bioprocess Technology, Melbourne, Australia, World Academy of Science, Engineering and Technology (WASET), USA (February 2-3, 2017)
- International Scientific Committee Member, ICBFT 2016: 18th International Conference on Bioprocess and Fermentation Technology, Istanbul, Turkey, World Academy of Science, Engineering and Technology (WASET), USA

(December 19-20, 2016)

- International Scientific Committee Member, ICBBE 2016: 18th International Conference on Biological and Bioprocess Engineering, Sydney, Australia, World Academy of Science, Engineering and Technology (WASET), USA (December 15-16, 2016)
- International Scientific Committee Member, ICFEBT 2016: 18th International Conference on Food Engineering and Bioprocess Technology, Istanbul, Turkey, World Academy of Science, Engineering and Technology, (WASET), USA (December 19-20, 2016)
- International Scientific Committee Member, ICAER 2016: 18th International Conference on Advances in Enzyme Research, Singapore, World Academy of Science, Engineering and Technology (WASET), USA (November 21-22, 2016)
- International Scientific Committee Member, ICFBT 2016: 18th International Conference on Food Engineering and Bioprocess Technology, San Francisco, USA, World Academy of Science, Engineering and Technology (WASET), USA (September 26-27, 2016)
- Organizing Committee Member, Annual Conference on Bioscience Berlin, Germany, World Academy of Science, Engineering and Technology, (WASET), USA (September 12-13, 2016)
- International Scientific Committee Member, ICASEE 2016: 18th International Conference on Agriculture Science and Environment Engineering, Berlin, Germany, World Academy of Science, Engineering and Technology, (WASET), USA (September 12-13, 2016)
- Technical Program Committee (TPC) (National Advisory) Member, International Conference on Sustainable Computing Techniques in Engineering, Science and Management (SCESM 2016), SN Education Society, HIERANK Business School, Noida, Delhi-NCR, India (September 9-10, 2016)
- Abstract Review Committee Member, 30th Annual Symposium of The Protein Society, USA, held in Baltimore, MD, USA (July 16-19, 2016)
- International Scientific Committee Member, ICBBE 2016: 18th International Conference on Biological and Bioprocess Engineering, Paris, France, World Academy of Science, Engineering and Technology, (WASET), USA (May 16 - 17, 2016)
- International Scientific Committee Member, ICPEAM 2016: 18th International Conference on Process Engineering and Advanced Materials, Venice, Italy, World Academy of Science, Engineering and Technology, (WASET), USA (April 11-12, 2016)
- Program Committee Member, 6th Annual International Conference on "Advances in Biotechnology" (BIOTECH 2016) organized by Global Science and Technology Forum (GSTF), Singapore, at Singapore (March 28-29, 2016)
- International Conference Committee Member, ICBFT 2015: 17th International Conference on Bioprocess and Fermentation Technology, Turkey, World Academy of Science, Engineering and Technology (WASET), USA (December 20-21, 2015)

- Organizing Committee Member, 6th World Congress on Biotechnology, OMICS Group, USA, at New Delhi, India (October 5-7, 2015)
- International Scientific Committee Member, ICASEE 2015: 17th International Conference on Agriculture Science and Environment Engineering, Berlin, Germany, World Academy of Science, Engineering and Technology, (WASET), USA (September 14-15, 2015)
- Abstract Review Committee Member, 29th Annual Symposium of The Protein Society, USA, held in Barcelona, Spain (July 22-25, 2015)
- Program Committee Member, 5th Annual International Conference on "Advances in Biotechnology" (BIOTECH 2015) organized by Global Science and Technology Forum (GSTF), Singapore, in partnership with Indian Institute of Technology, Kanpur (IITK) held at IITK Campus, India (March 13-15, 2015)
- International Conference Committee Member, ICASEE 2014: XII International Conference on Agriculture Science and Environment Engineering, Berlin, Germany, World Academy of Science, Engineering and Technology (WASET), USA (September 15-16, 2014)
- International Conference Committee Member, ICBBE 2014: XII International Conference on Biological and Bioprocess Engineering, Sydney, Australia, World Academy of Science, Engineering and Technology (WASET), USA (December 15-16, 2014)
- International Conference Committee Member, ICASEE 2014: XII International Conference on Agriculture Science and Environment Engineering, Brussels, Belgium, World Academy of Science, Engineering and Technology (WASET), USA (October 5-6, 2014)
- Program Committee Member, 3rd Annual International Conference on Advances in Biotechnology "Biotech 2013", organized by Global Science and Technology Forum (GSTF), Singapore, held at Singapore (March 18-19, 2013)

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- Editorial Team Member, BioEvolution (GIAP Journals)

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- Reviewer-in-charge, GSTF Journal of Bioscience (Springer Nature)

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- Reviewer, Biotechnology and Applied Biochemistry (IF-1.413) (IUBMB-International Union of Biochemistry and Molecular Biology) (Wiley group, USA)
- Reviewer, PLOS One (IF-2.766) (Public Library of Science, PLOS, USA)
- Reviewer, Journal of Preparative Biochemistry and Biotechnology (IF-1.361) (Taylor & Francis Group Journals, UK)
- Reviewer, Journal of Biotechnology (IF-2.908) (Elsevier Group, Netherlands)
- Reviewer, Advances in Bioscience and Biotechnology (IF-1.06) (SCIRP)
- Reviewer, 3Biotech (IF-1.361) (Springer Nature)
- Reviewer, Protein Science (IF-3.04) (The Protein Society, USA)

	<ul style="list-style-type: none"> • Reviewer, Current Pharmaceutical Biotechnology (IF-2.459) (Bentham Science) • Reviewer, Journal of Biomedical Sciences (IF-2.799) (BioMed Central-Springer Nature) • Reviewer, International Journal of Biomedical Data Mining (IF-0.5) (USA) • Reviewer, Journal of Fundamentals of Renewable Energy and Applications (IF-1.66)
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<p>Invited Speaker/Chairperson/Judge/ Delegate:</p>	<p>Chairperson/ Invited Speaker/Resource person:</p> <ul style="list-style-type: none"> • Resource person on session titled “Value Addition Courses (VAC) for enhancement of employability skills: Innovation & Entrepreneurship” in Orientation programme (PG Programmes) (I year students) Deekharambha, Academic year 2022-23, Amity Institute of Biotechnology, Amity University Uttar Pradesh, held at Amity University Uttar Pradesh, Noida, India • Resource person on session titled “Student’s Aspiration & Career Progression in Orientation programme (PG Programmes) (I year students) Deekharambha, Academic year 2022-23, Amity Institute of Biotechnology, Amity University Uttar Pradesh, held at Amity University Uttar Pradesh, Noida, India • Session Chairperson, International Symposium of Biotechnology & Biochemical Engineering (ISBBE-2021) on "Waste Management and Innovation for Valorization: Enroute A Sustainable World and Future" organized jointly by Centre for Biotechnology & Biochemical Engineering, Amity Institute of Biotechnology and Amity University Kolkata on Virtual Platform (October 26 - 27, 2021) • Resource person and Speaker on session titled “Review and Assessment Process towards Effective Learning” in Two Days Online Workshop on “Curriculum Design, E-Content Development and Quality Assurance for Flipped Mode and Online Teaching-Learning” organized by Amity Academic Staff College at Amity University Uttar Pradesh, Noida (June 19-21, 2021). • Resource person and Speaker on session titled “Bio-entrepreneurship: The Business of Biotechnology and its way ahead” in a workshop on Professional Skill Development and Enhancement Programme for Graduates at Amity Institute of Biotechnology, Amity University Uttar Pradesh, Noida, India (June 14-18, 2021) • Invited Delegate with presentation in “International Summit on Women in STEM Visualizing the Future: New Skylines” organized by Department of Biotechnology (DBT), at India Habitat Centre, New Delhi (January 23-24, 2020) • Judge for posters presented in “International Summit on Women in STEM Visualizing the Future: New Skylines” organized by Department of Biotechnology (DBT), at India Habitat Centre, New Delhi (January 23-24, 2020) • Invited Delegate in International Day of Yoga Celebrations from June 06 - 21, 2020 on the topic of “Importance of Meditation & Breath Works in Mind Management & Productivity” session conducted by Capt. Richik Sinha Roy, Co-Founder, UREIFY, Interview and Soft - Skills Trainer and Meditation Coach organized by Amity Institute of Indian System of Medicine, Health & Allied Sciences Domain, Amity University Uttar Pradesh, Noida (INDIA) (July 04, 2020)
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- Invited Delegate in International Day of Yoga Celebrations from June 06 - 21, 2020 on the topic of “A preventive and managerial approach towards COVID 19: The Ayurvedic perspective” session conducted by Dr. Akhilesh Sharma, Former Advisor (Ayurveda), Govt. of Delhi and Visiting Faculty, California College of Ayurveda, organized by Amity Institute of Indian System of Medicine, Health & Allied Sciences Domain, Amity University Uttar Pradesh, Noida (INDIA) (June 15, 2020)
- Invited Delegate with presentation in “1st DBT BioCARE Conclave: Women Scientist Achieving Great Heights” organized on International Women’s Day organized jointly by Department of Biotechnology (DBT), Government of India and National Institute of Plant Genome Research, (NIPGR) at NIPGR, New Delhi (08-09 March, 2019)
- Invited Lecture in “World Biotechnology Congress” organized by Endling Scientific Organization, Endling Conferences, Phillipines, at New Delhi, India (February 20-22, 2017)
- Judge for posters presented in One day International Seminar on "Biosafety and Regulatory Affairs on GMOs and GE plants", Amity Institute of Biotechnology, Amity University Uttar Pradesh, held at Amity University Uttar Pradesh, Noida, India (September 21, 2016)
- Invited Delegate from India in the International Seminar/ Valedictory Function of "NASA Spaceward Bound Program India-2016" under the aegis of NASA Ames Research Centre, Ladakh, organized by Amity Institute of Aerospace Engineering held at Amity University Uttar Pradesh, Noida, India (August 21, 2016)
- Chairperson (co-) in “6th World Congress on Biotechnology” organized by OMICS Group, USA, at New Delhi, India (October 05-07, 2015)
- Invited Lecture in “6th World Congress on Biotechnology” organized by OMICS Group, USA, at New Delhi, India (October 05-07, 2015)
- Judge for posters presented in “6th World Congress on Biotechnology” organized by OMICS Group, USA, at New Delhi, India (October 05-07, 2015)
- Chairperson in 5th Annual International Conference on "Advances in Biotechnology" (BIOTECH 2015) organized by Global Science and Technology Forum (GSTF), Singapore, in partnership with Indian Institute of Technology, Kanpur (IITK) held at IITK Campus, India (March 13-15, 2015)
- Invited Speaker in 5th Annual International Conference on "Advances in Biotechnology" (BIOTECH 2015) organized by Global Science and Technology Forum (GSTF), Singapore, in partnership with Indian Institute of Technology, Kanpur (IITK) held at IITK Campus, India (March 13-15, 2015)

Visits abroad: Paper Presented

Visits abroad: Lecture Delivered

- **Nidhee Chaudhary**, Subhash chand, Nameet kaur (2013) Some Aspects of Thermostable Superoxide Dismutase isolated from *Juglans regia* and *Ribes nigrum*: Therapeutically Important Dry Fruits. “27th Annual Symposium of the

	<p>Protein Society” organized by ‘The Protein Society USA’, held at Boston, Massachusetts, USA (July 20-23, 2013). Recipient, Finn Wold Travel Award (2013), conferred by ‘The Protein Society USA. Funded by Department of Science and Technology (DST).</p> <ul style="list-style-type: none"> • Nameet Kaur, Subhash Chand, Nidhee Chaudhary (2013) Characterization of Superoxide Dismutase Isolated from Culinary-Medicinal Indian Chilli (<i>Capsicum annuum L.</i>) “27th Annual Symposium of the Protein Society” organized by ‘The Protein Society USA’, held at Boston, Massachusetts, USA (July 20-23, 2013). • Nidhee Chaudhary, Subhash chand, Nameet kaur (2013) Studies on biochemical characteristics of thermostable superoxide dismutase isolated from <i>Ribes nigrum</i>: A Functional food. Proceedings of 3rd Annual International Conference on “Advances in Biotechnology”, Biotech 2013, organized by Global Science and Technology Forum (GSTF), Singapore, held at Singapore (March 18-19, 2013)- Invited Lecture • Nidhee Chaudhary, Subhash Chand and Nameet Kaur (2012) Biochemical investigations of thermostable acid phosphatases from <i>Pisum sativum</i> and <i>Triticum aestivum</i> cotyledons. Proceedings of 2nd Annual International Conference on “Advances in Biotechnology”, Biotech 2012, organized by Global Science and Technology Forum (GSTF), Singapore, held at Bangkok, Thailand (March 12-13, 2012).
<p>Conferences/Workshops/Courses/Seminars/Symposiums/FDPs participated/attended:</p>	<p>Total-185</p>
<p>Administrative Activities:</p>	<p>Administrative/ Academic Experience: 25 years</p> <ul style="list-style-type: none"> • Member, University Committee for Promotion of Innovation and Startups, (July 2, 2021-) • Member, Board of Studies (BoS), AIB: 2010-Till date • Member, Area Advisory Board (AAB), AIB: 2015-Till date • Member (Vice Chancellor Special Invitee) Departmental Research Committee (DRC) AIB (2019-) • Chairperson, Student Research Committee (SRC), CBBE, AIB: 2015-Till date • Member, Course Advisory Committee (CRC), AIB: 2015-Till date • Member, Programme Review Outcome Assessment Committee (PROAC), AIB: March 2018-Till date • Member, Faculty Research Committee (FRC) Board, AIB: 2017-Till date • Member, Moderation Board, Examination, Bio Sciences & Biotechnology, AIB: 2015-Till date • Member, Interview Board, AIB: 2007-Till date • Member, PhD Interview Board, AIB: 2017-Till date • Member, Area Advisory Board (AAB) (Internal), Amity Institute of Applied

Sciences (AIAS): 2019-2021)

- Coordinator Entrepreneurship Cell, AIB
- Member (Vice Chancellor Special Invitee) Departmental Research Committee (DRC), Amity Institute of Virology (AIVI) (2017-2019)
- Coordinator, Industrial Biotechnology Research Group (2019-)
- Mentor
- Core Committee Coordinator, Startup expo, Science, Technology, Biosciences & Biotechnology Group, ICEIL-2022
- Faculty Coordinator, Virtual 4th International Conference on Entrepreneurship, Innovation & Leadership (ICEIL 2022), AUUP (January 20-22, 2022)
- PhD Comprehensive viva Examiner, Amity Institute of Virology (AIVI) (2020)
- Faculty Coordinator, Virtual 3rd International Conference on Entrepreneurship, Innovation & Leadership (ICEIL 2020), AUUP (December 17-19, 2020)
- Coordinator (Jt.), Orientation Program (UG), September, 2020
- Coordinator, Amity University Open House, 2019
- Coordinator, Entrepreneurship Cell, AIB: 2018-Till date
- Coordinator, Student Aspiration Survey (SAS) Committee, AIB: 2018-Till date
- Member, Programme Review Committee (PRC), AIB: 2015-March, 2018
- Member NAAC Team, AIB: 2018 (CBBE)
- Coordinator, External Evaluation of B. Tech. Program, 2018
- Member QAA Team, AIB: 2018
- Member WASC Team, AIB: 2018
- Member, Internal Audit and Assessment Committee (IQAC), AIB (2012-2014)
- Member, Corporate Resource Centre (CRC), AIB: 2007-2011
- Program Co-ordinator, MBA (Biotechnology), AIB (2007-2008)
- Convenor, Website Committee, AIB (2006-2012)
- Director, Department of Biosciences, D.A.V. (PG) College, Muzaffarnagar (2005-2006)
- Member, Interview Board, Faculty Recruitment Panel, Principal's nominee, D.A.V. (PG) College, Muzaffarnagar (2005-2006)
- Academic & Administrative coordinator Department of Biosciences, D.A.V. (PG) College, Muzaffarnagar: 05 Years (2000-2005)

Abstract presented/Published

77 (National & International Conferences)

Events Organized:

- Organized and coordinated the celebration of National Technology Day 2022 on Theme- “Integrated Approach in Science & Technology for Sustainable Future” on theme- “Integrated Approach in Science & Technology for Sustainable Future” at Amity University Uttar Pradesh, Noida, India (May 11, 2022)
- Organized and coordinated a Session on “Women Empowerment and Bioentrepreneurship: Key to Sustainable Development towards Aatmanirbhar Bharat” in a Two days international conference on “Strategies for Aatmanirbhar Bharat through SDGs and Gender Equality” at Amity University Uttar Pradesh, Noida, India (March 8 & 9, 2022)
- Core Committee Coordinator, Startup expo, Science, Technology, Biosciences & Biotechnology Group, in Virtual 4th International Conference on Entrepreneurship, Innovation & Leadership (ICEIL 2022) at Amity University Uttar Pradesh, Noida, India (January 20-22, 2022)
- Organized and coordinated a Panel Discussion on topic “Innovation and Entrepreneurship Ecosystems in Industrial Biotechnology: Role in Circular Economy” in Virtual 4th International Conference on Entrepreneurship, Innovation & Leadership (ICEIL 2022) at Amity University Uttar Pradesh, Noida, India (January 20-22, 2022)
- Organized and coordinated Lecture Series’ and panel discussion on theme “Prospects of skilling, innovation and entrepreneurship in healthcare and life sciences” under “Innovation, Entrepreneurship and Skilling Lecture Series’ at Amity Institute of Biotechnology, Amity University Uttar Pradesh, Noida, India (October 30, 2021).
- Organized and coordinated International Symposium of Biotechnology & Biochemical Engineering (ISBBE-2021) on “Waste Management and Innovation for Valorization: Enroute A Sustainable World and Future” organized jointly by Centre for Biotechnology & Biochemical Engineering, Amity Institute of Biotechnology and Amity University Kolkata on Virtual Platform (October 26 – 27, 2021)
- Organized and coordinated the event “E.T.C” Eccentricity Tactics Contrivance to celebrate “INNOVATION DAY” on the auspicious occasion of Our former president of India LATE Dr. A. P. J. KALAM’S BIRTHDAY organized by Entrepreneurship Club & IIC, AIB, AUUP (October 7, 2021)
- Organized and coordinated guest lectures and panel discussion on theme is- Accelerated Translation of Innovations in Life Sciences Through Bio-Entrepreneurship and Skill Development under “Innovation, Entrepreneurship and Skilling Lecture Series’ at at Amity Institute of Biotechnology, Amity University Uttar Pradesh, Noida, India (September 25, 2021).
- Organized workshop on “Design Thinking- A structured way to harness your creativity & innovate” conducted by Dr. Neelam Saxena, Head, Amity Centre of Entrepreneurship Development (ACED) at Amity Institute of Biotechnology, Amity University Uttar Pradesh, Noida, India (September 02, 2021)
- Organized and coordinated guest lectures and panel discussion on theme

Extension Activities:

“Innovations, entrepreneurship development and skilling: Capacity building in life science, biotechnology and healthcare” under “Innovation, Entrepreneurship and Skilling Lecture Series’ at Amity Institute of Biotechnology, Amity University Uttar Pradesh, Noida, India (August 28, 2021).

- Organized and coordinated a guest lecture on topic “Taking the plunge: A talk on ideation-stage entrepreneurship and the supporting ecosystem in India” by Ms. Ragni Nathani, Program Manager, SPARSH, BIRAC, Startup Incubation & Innovation Centre (SIIC), Indian Institute of Technology, Kanpur, at Amity Institute of Biotechnology, Amity University Uttar Pradesh, Noida, India (August 26, 2021).
- Coordinator, Refresher Course on Skill Enhancement-Quality Control-Microbiologist delivered by Life Sciences Sector Skill Development Council, New Delhi, at Amity Institute of Biotechnology, Amity University Uttar Pradesh, Noida, India (24-25, 31 July; 1 August 2021)
- Coordinated as Session-in-charge of a session titled “The Pathway towards Entrepreneurship: Evolution of the Biotech Startup Ecosystem” Amity University Uttar Pradesh, Noida, India (June 14-18, 2021) in Ist International Conference on Students' Progression (ICSP'21) Theme: “Re-engineering Higher Education for Students' Progression: Skillsets that will Dominate in the Knowledge & Digital Economy” organized by Amity University Uttar Pradesh, Noida, India (June 24-26, 2021)
- Organized and coordinated a workshop on Professional Skill Development and Enhancement Programme for Graduates at Amity Institute of Biotechnology, Amity University Uttar Pradesh, Noida, India (June 14-18, 2021)
- Organized workshop on "The role of body and mind in developing resilience & adaptability" by Dr. Shreya, Co-founder, The Happy Collar, at Amity Institute of Biotechnology, Amity University Uttar Pradesh, Noida, India (March 4, 2021)
- Organized Guest lecture entitled “Basics concepts and application of statistics” by Dr Arshad Jawed, Head, Statistical committee, University of Jazan, Saudi Arab, at Amity Institute of Biotechnology, Amity University Uttar Pradesh, Noida, India (February 27, 2021)
- Organized workshop on “My Journey as an Entrepreneur- An interactive session” by Mr. Arun Tangri, Co-Founder TagTaste Foods, Pvt. Ltd. at Amity Institute of Biotechnology, Amity University Uttar Pradesh, Noida, India (January 28, 2021)
- Organized and conducted Faculty Workshop/Training on “Online Performance Based Appraisal System” at Amity Institute of Biotechnology, Amity University Uttar Pradesh, Noida, India (December 24, 2020).
- Organized and coordinated a Panel Discussion on topic “Industrial Biotechnology and its contribution to Bioeconomy” in Virtual 3rd International Conference on Entrepreneurship, Innovation & Leadership (ICEIL 2020) at Amity University Uttar Pradesh, Noida, India (December 17-19, 2020)
- Organized Guest lecture entitled “Enzymes - Insights in Industrial Applications” by Dr. Pavan Kumar, Head R & D, “The Catalysts Group Pvt. Ltd.”, Ghaziabad, at Amity Institute of Biotechnology, Amity University Uttar Pradesh, Noida, India

(October 31, 2020)

- Organized Guest lecture entitled “Cyanobacterial Engineering” to be delivered by Dr. Aditya P. Sarnaik, Post-doctorate fellow at Department of Chemical Engineering, SEMTE, Arizona State University, Tempe, USA, at Amity Institute of Biotechnology, Amity University Uttar Pradesh, Noida, India (October 31, 2020)
- Organized Guest lecture entitled “Skill Development Initiatives of LSSSDC and Govt of India for Life Sciences’ Students” delivered by Mr Alok Jha, Cluster head for Northern states, Life sciences sector skill development council; (LSSSDC), at Amity Institute of Biotechnology, Amity University Uttar Pradesh, Noida, India (October 17, 2020)
- Organized Guest lecture entitled “High Throughput Bioanalysis in Early Drug Discovery & Development” to be delivered by Dr Deepak Barot, President and CEO, Prerana Bio-innovations Research Pvt. Ltd. (PBR), Gandhinagar, Gujarat, at Amity Institute of Biotechnology, Amity University Uttar Pradesh, Noida, India (October 17, 2020)
- Organized Guest lecture entitled "The Sucker Bits and Sticky Secrets of Mussel and Barnacle Proteins" Dr. Akshita Kumar Dhawan, Research Fellow at Biological and Biomimetic Laboratory, School of Material Science and Engineering, Nanyang Technological University, Singapore, at Amity Institute of Biotechnology, Amity University Uttar Pradesh, Noida, India (October 8, 2020)
- Organized Guest lecture entitled "Materials for energy and environmental applications" by "Dr. Sudhanshu Sharma, Assistant Professor, Indian Institute of Technology, Gandhinagar, Gujarat, at Amity Institute of Biotechnology, Amity University Uttar Pradesh, Noida, India (September 17, 2020)
- Organized Webinar entitled "Extremozymes: Novel biocatalysis from extremophiles" by Dr. S. K. Khare, Dean (R&D) and Institute Chair Professor of Biochemistry, "Enzyme and Enzyme and Microbial Biochemistry Lab, Dept of Chemistry, Indian Institute of Technology, New Delhi, at Amity Institute of Biotechnology, Amity University Uttar Pradesh, Noida, India (May 6, 2020)
- Organized Webinar entitled “Synthetic biology to produce terpenoid drugs”, by Dr. Shashi Kumar Rhode, Group Leader, Metabolic Engineering (Biofuels and Industrial Biotechnology), IGIB, New Delhi, at Amity Institute of Biotechnology, Amity University Uttar Pradesh, Noida, India (May 5, 2020)
- Organized Webinar entitled "Future opportunities and developments in Indian Bio-economy" by Sh. S. R. Soni, Technology Head, Distillery/Alcohol Technology, India Glycols Ltd., India, at Amity Institute of Biotechnology, Amity University Uttar Pradesh, Noida, India (May 4, 2020)
- Organized Webinar entitled “Current status of Pharma Sector and career opportunities in Life Sciences”, by Mr Jayaprakash, Trainer, Life Sciences Sector Skill Development Council, New Delhi, at Amity Institute of Biotechnology, Amity University Uttar Pradesh, Noida, India (May 4, 2020)
- Organized workshop on “Design Thinking” conducted by Dr. Neelam Saxena, Head, Amity Centre of Entrepreneurship Development (ACED) at Amity Institute of Biotechnology, Amity University Uttar Pradesh, Noida, India (April 29, 2020)

- Organized “Workshop and lecture on skill development and entrepreneurship in Biosciences and Biotechnology”, by Dr. Gaurav Kumar Srivastava, Life Sciences Sector Skill Development Council (LSSSDC), New Delhi, at Amity Institute of Biotechnology, Amity University Uttar Pradesh, Noida, India (April 10, 2020)
- Organized Guest lectures entitled “Future Perspectives: Advances in Industrial Biotechnology: Part 1 & 2” by Sh. S. R. Soni, Technology Head, Distillery/Alcohol Technology, India Glycols Ltd., India, at Amity Institute of Biotechnology, Amity University Uttar Pradesh, Noida, India (January 30, 2020)
- Organized workshop on “Development of Collaborative Research with Industry” by Sh. S. R. Soni, Technology Head, Distillery/Alcohol Technology, India Glycols Ltd., India, at Amity Institute of Biotechnology, Amity University Uttar Pradesh, Noida, India (January 30, 2020)
- Organized workshop on “Skill development and entrepreneurship in Biosciences and Biotechnology” conducted by Mr Tapeesh Bharti; Senior research scientist (Jubilant ChemSys Ltd, NOIDA) and trainer in skill development programmes developed by Life Sciences Sector Skill Development Council (LSSSDC) (August 17, 2019)
- Organized guest lecture on “Skill development in Biosciences and Biotechnology” delivered by Dr Gaurav K Srivastava (PhD); Senior research scientist (Jubilant ChemSys Ltd, NOIDA) and subject matter expert in skill development programmes developed by Life Sciences Sector Skill Development Council (LSSSDC) (August 17, 2019)
- Organized Guest lecture entitled “Search and Discovery strategies with Advancements in Biotechnology” by Dr. Nagamani Bora, Assistant Professor & Course Director-Biotechnology, School of Science, University of Nottingham, United Kingdom (October 17, 2016)
- Organized Guest lectures entitled “2G Ethanol Process & Technology Case study: An example of Innovation Engineering” and “Bio-Refinery Approach Sugar Platform” by Sh. S. R. Soni, Vice President, Distillery/Alcohol Technology, India Glycols Ltd., India, at Amity Institute of Biotechnology, Amity University Uttar Pradesh, Noida, India (October 14, 2016)
- Organized Guest lecture entitled “Apolipoprotein J and cytoprotection: Decades of research in less than one hour” by Dr. Claudia Koch, Professor, Department of Pharmacy and Biochemistry, Johannes Gutenberg-University Mainz, Germany, at Amity Institute of Biotechnology, Amity University Uttar Pradesh, Noida, India (November 15, 2016)