



BIODATA /Research Experience
(Including research experience, Publications Books and research papers)
Research gate Score- 30.29 (As on 30.11.20)
Research gate profile-
https://www.researchgate.net/profile/Pankaj_Shrivastava15
Orchid id- <https://orcid.org/0000-0002-1647-2390>

Name : DR. PANKAJ SHRIVASTAVA

Affiliation : Incharge and Assitt. Chemical Examiner to Govt. of MP
DNA Fingerprinting Unit, State Forensic Science Laboratory,
Deptt. of Home (Police), Govt of MP , Sagar -470001 (MP)

Date of Birth- 9th April 1968

Editorial Board Member: Nature Scientific Reports.

Reviewer for following International journals:

- Forensic Science International: Genetics
- Nature Scientific Reports
- Annals of Human Biology
- BMC: Genetics
- FSI: Reports
- Legal Medicine
- International Journal of Legal Medicine
- Egyptian Journal of Forensic Science
and many more.

Academic qualifications

S.No	Exam. Passed	%age of Marks	Year of Passing	Board/ University	Subject
1	Hr Sec	69.8	1984	M P Board of Secondary Education, Bhopal (MP)	Physics, Chemistry, Biology
2	B Sc	65.6	1987	Rani Durgawati University, Jabalpur (MP)	Botany, Zoology, Chemistry
3	M Sc	72.1	1989	Rani Durgawati University Jabalpur (MP)	Microbiology With Specialization in Biotechnology
4	Ph D	Awarded in 1993		Rani Durgawati University Jabalpur (MP)	Microbiology

PhD degree- “Bacteriological studies on water of river Narmada with special reference to degradation of organic substances” in Microbiology (FACULTY OF LIFE SCIENCES)

Research experience: Total more than 21 years

Work done at State Forensic Science Laboratory, Sagar (MP) India

Working in State Forensic Science Laboratory since September 1998.

- Worked for Forensic biological and serological examination from 1998 to 2007, reported more than 2000 cases in Biology and serology division.
- Since 2007, engaged in DNA Fingerprinting examination of Forensic cases **and reported more than 3000 DNA cases** including almost every type of cases i.e. Paternity, suspected child swapping, rape and mass rape, Identity, father daughter incest, identity where parents are not available, Mitochondrial DNA sequencing, Cases with extremely degraded DNA. Well versed in the handling of all the equipments and technology of DNA.
- From January 2020, working as Incharge of DNA Fingerprinting Facility at Sagar.

Significant forensic contributions-

(i) Established DNA fingerprinting facility in Forensic Laboratory Sagar in 2007.

(ii) **Successfully taken part and passed three International Quality Control (QC) test for DNA Fingerprinting examination organised by the following International Quality Control bodies.**

1. Institute of Legal Medicine and Forensic Sciences, Charité – University Medicine Berlin Hannoversche Strasse 6,D-10115 Berlin, Germany in 2008, 2009, 2010, 2012, 2016.

2. Director - GENYO (Pfizer - University of Granada & Andalusian Govt. Center for Genomics & Oncology), Director - Lab. of Genetic Identification – UGR, Dept. of Legal Medicine, University of Granada, Spain (2008).

3. US Y STR database blind challenge for Y STR analysis (2016)

Visiting Faculty of-

- National Institute of Criminology and Forensic Science, Delhi, Govt of India
- National Police Academy, Hyderabad, Govt of India
- Central Police Training and Research Institute, Bhopal, Govt of India
- Jawahar Lal Nehru Police Academy, Sagar, Govt of Madhya Pradesh, India
- Dr H S Gour Central University, Sagar, Madhya Pradesh, India
- Bundelkhand university, Jhansi, Govt of Uttar Pradesh, India

Registered as Ph.D. supervisor-

- Registered Ph D Supervisor at Dr. H S Gour Central University, Sagar, India for guiding research in Anthropology
- Registered Ph D Supervisor at Barkatullah University, Bhopal, Govt of Madhya Pradesh, India for guiding research in Genetics
- Registered Ph D Supervisor at Barkatullah University, Bhopal Govt of Madhya Pradesh, India for guiding research in Biotechnology
- Registered Ph D Supervisor at Department of Chemistry, Ravenshaw University, Cuttack, Orissa
- Registered PhD supervisor at Chitrakoot Gramodaya University, Satna (MP), Govt of Madhya Pradesh, India for guiding research
- Registered PhD supervisor at Raksha Shakti State University, Ahmedabad, Govt of Gujarat, India for guiding research
- Registered Ph D Supervisor at RKDF University, Bhopal, Madhya Pradesh, India for guiding research in Biotechnology
- Registered Ph D Supervisor at Jaipur National University, Jaipur, Rajasthan

Details of guiding research for PhD –

Awarded

- Supervised the work “The Study of Genetic Polymorphism in Sikh Population of Madhya Pradesh using Autosomal STR marker” of Mrs. Devika Dogra registered in Biotechnology under joint supervision of Prof. Dr. (Mrs.) Ruchira Chaudhary Professor of Zoology and Coordinator, Division of Biotechnology Govt Motilal Vigyan Mahavidyalaya, Bhopal and Myself. (**PhD Awarded,2015**)
- Supervised the work of Ms Neetu Mishra Registered for PhD degree at Department of Genetics,, Barkatullah University Bhopal on “Dermatoglyphic and Genetic Patterns in Juvenile Delinquency in Madhya Pradesh’ - (under joint supervision of Prof. N C Sharma and Myself (**PhD Awarded,2016**))
- Supervised the work of D S Negi, Registered for PhD degree at Department of Chemistry, Ravenshaw University, Cuttack, Orissa on “Design and Biochemical Characterization of Molecular Markers for Human Genetic Identification and Diversity” (under joint supervision of Prof. S.S.Das and Myself (**PhD Awarded 2016**))
- Supervised the work of Sonia Kakkar, as CO PI at PGI Chandigarh on X STRs in DNA typing (**PhD Awarded 2019**)

Work in progress

- Supervising the work “Studies on application of chemical tools in identification and individualization using STR markers” of Mr. Ishwar Prasad Dubey registered in Chemistry under joint supervision of Prof. K.S.Tiwari Professor of Chemistry and Coordinator, Division of Chemistry, M.G.C.G.V, Chitrakoot, Distt. Satna (MP) and Myself (Work Completed,Thesis writing in progress).
- Supervising the work of Ram Kishan Kumawat entitled "Study of genetic polymorphism in STR markers of human population of Rajasthan" under joint supervision of Dr Divya Shrivastva and myself (**Thesis Submitted**).
- Supervising the work of Muktikanta Panda entitled “Genomic snapshot of Bhotras: A STR based population study at Nabarangapur district of Odisha.” registered in Anthropology under joint supervision of Prof. A N Sharma Professor of Anthropology, Dr H S Gour University Sagar (MP) and Myself.
- Supervising the work of Aditi Mishra entitled “Studies on RM Y STRS in Indian population" in Forensic Science under joint supervision of Dr Sumit, Raksha Shakti University, Ahmedabad,Gujarat and Myself.

AREA OF RESEARCH WORK : DNA Fingerprinting/Molecular Biology/ Human Genetics/Microbiology

Research Publications/

Books Published

Authored-

1	PankajShrivastava , ParyavaranShiksha, Published by M P Hindi Granth Academy, Bhopal, 1st edition 1998, 4 th edition 2007.ISBN 81-7327-155-0. Pages195.
2	PankajShrivastava ,Forensic Investigation of Crime aimed for students studying forensics and Investigating officers (Published By Suvidha Law House, Bhopal) Published March 2013. Pages 482.
3	PankajShrivastava ParyavaranShiksha, Published by R Lall Publications Meerut (2014) ISBN 978-93-83070-91-6.
4	PankajShrivastava and Neetu Mishra, “Role of Police in environmental conservation”, Awarded Pt. GovindVallabh Pant National Award 2012-13 by Bureau of Police Research and Development, Govt of India. Published in 2015.
5	PankajShrivastava ,“Microbiology” Published by AISECTUniversityBhopal (2015) pp 198 ISBN: 978-93-81358-15-3.Pages198.
6	PankajShrivastava “Forensic Science” Published by AISECTUniversityBhopal (2015) ISBN:

	978-93-81358-27-6. Pages 146.
7	HirakRanjan Dash, PankajShrivastava and S Das, DNA Fingerprinting: Advancements and Future Endeavors, Springer (2018) ISBN 978-981-13-1582-4. Pages 325.
8	HirakRanjan Dash, PankajShrivastava and S Das, Principles and Practices of DNA Analysis: A Laboratory Manual for Forensic DNA Typing. Springer (2020), ISBN 978-1-07-160273-7, DOI-10.1007/978-1-0716-0274-4
9	PankajShrivastava, FORENSIC DNA FINGERPRINTING, (2020) ISBN 10: 9383805102, New Gateway Publishers, Delhi

Edited-

<ul style="list-style-type: none"> • PankajShrivastava, Environmental Pollution and its management, APH Publishing Corporation Delhi (2000) ISBN-81- 7648-159-9, Pages 189. • PankajShrivastava and D P Singh, Environmental Education, Anmol Publications Pvt. Limited, Delhi (2002) ISBN-81- 261-0995-5, Pages 265. • A K Guru and PankajShrivastava, Recent Advances in Forensic Biology, Anmol Publications Pvt. Limited, Delhi (2002) ISBN-81-261-1280-8. Pages 261 • P K Singhal and PankajShrivastava, Challenges in Sustainable Development, Anmol Publications Pvt. Limited, Delhi (2004) ISBN-81-261-1993-4. Pages 373 • M K Verma and PankajShrivastava, Advances in Forensic Investigation Published by Shiv Shakti Publications Pvt. Ltd, Delhi (2014) ISBN 978-9383805013. Pages 345. • HirakRanjan Dash, PankajShrivastava, B K Mahapatra and S Das, DNA Fingerprinting: Advancements and Future Endeavors, Springer (2018) ISBN 978-981-13-1582-4. Pages 325. • PankajShrivastava, HirakRanjan Dash, Jose Lorente and Jahangir Imam, Forensic DNA Typing: Principles, Applications and Advancements, Contract Signed and book submitted to Springer Nature (2020) (Under Publication, In Press)
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B. Research papers Published /Journal Publications

1. Kamlesh Kaitholia, Hirak Ranjan Dash, **Pankaj Shrivastava**, R. K. Kumawat, Shivani Dixit and Gyaneshwer Chaubey; Forensic characterization and genetic evaluation in the Central Indian population using 27 Y-STRs (**Accepted in International Journal of Legal Medicine Nov 27, 2020.**
2. R. K. Kumawat, **Pankaj Shrivastava**, Divya Shrivastava, G.K. Mathur, Hirak Ranjan Dash and Gyaneshwer Chaubey; Peopling of Rajasthan, India: Evaluating the gene flow from East and West, **Accepted in Gene Reports 25 Nov, 2020.**
3. Anshika Srivastava, Rudra Kumar Pandey, Prajval Pratap Singh, Pramod Kumar, Avinash Arvind Rasalkar, Rakesh Tamang, George van Driem, **Pankaj Shrivastava**, Gyaneshwer Chaubey; Most frequent South Asian haplotypes of ACE2 share identity by descent with East Eurasian populations, September 2020, PLoS ONE 15(9):e0238255.
4. Varsha Srivastava, K. Prabhakar Rao, H. Surekha Rani, R.K. Kumawat, Aditi Mishra and Pankaj Shrivastava; Genomic diversity in the Goud population of Telangana, India inferred using twenty three autosomal marker PowerPlex® Fusion 6C System, Metagene; volume 25, September 2020, 100718 .
5. R. Sreekumar, Ajeesh Thekkatavan, **Pankaj Shrivastava**, R.K. Kumawat, Shivani Dixit and Gyaneshwer Chaubey; Allelic frequency database of 15 polymorphic autosomal STRs in the Malayalam-speaking population of Kerala, India International Journal of Legal Medicine 134, pages 1679–1681(2020).

6. Subhasish Sahoo, Rashmita Samal, Suchismeeta Behera, Aruna Kumar Swain, Sumit Biswas, **Pankaj Shrivastava**, R. K. Kumawat, Gyaneshwer Chaubey and HIRAK Ranjan Dash; Genomic portrait of Odisha, India drawn by using 21 autosomal STR markers; International Journal of Legal Medicine 134, pages 1671–1673 (2020).
7. Anand Kumar, Rajesh Kumar, R. K. Kumawat, Ajay Tilawat, **Pankaj Shrivastava**, Gyaneshwer Chaubey; Genetic variation (population database) at 20 autosomal STR loci in the population of Rajasthan (north-western India); International Journal of Legal Medicine 134, pages 1667–1669 (2020).
8. R.K. Kumawat, **Pankaj Shrivastava**, Divya Shrivastava and G.K. Mathur; Molecular diversity of 23 Y-STR genetic markers in the population of Rajasthan, India, **Meta Gene**, volume 24 (2020) 100694.
9. Anshika Srivastava, Prajval Pratap Singh, Pooja Singh, Debashruti Das, Audditiya Bandopadhyay, Rakesh Tamang, Akhilesh Kumar Chaubey, **Pankaj Shrivastava**, George van Driem & Gyaneshwer Chaubey; Genetic and linguistic non-correspondence suggests evidence for collective social climbing: A possible case of ethnolinguistic self-reassignment in the Kol tribe of South Asia; Sci Rep 10, 5593 (2020). <https://doi.org/10.1038/s41598-020-61941-z>
10. RK Kumawat, **Pankaj Shrivastava**, Divya Shrivastava, GK Mathur and Shivani Dixit; Genomic blueprint of population of Rajasthan based on autosomal STR markers; Annals of Human Biology; Pages 70-75, DOI 10.1080/03014460.2019.1705390.
11. **Pankaj Shrivastava**, Kamlesh Kaitholia, Shivani Dixit, R.K. Kumawat, HIRAK Ranjan Dash, Ankit Shrivastava, D.D. Bansal, Yash Baroniya, Aditi Mishra, Pushpesh Kushwaha, Manisha Rana, Akansha Dixit, Tanya Sarawagi, Alay Bhatt, Harsh Sharma, Moumita Sinha and Gyaneshwar Choubey; Forensic effectiveness and genetic distribution of 23 autosomal STRs included in VerifilerPlus™ multiplex in a population sample from Madhya Pradesh, India; International Journal of Legal Medicine, 134, pages 1327–1328 (2020).
12. Mukesh Kumar Thakar, Bhawana Joshi, **Pankaj Shrivastava**, Anupama Raina & Sanjeev Lalwani; An assessment of preserved DNA in decomposed biological materials by using forensic DNA profiling; Egypt J Forensic Sci 9, 46 (2019). <https://doi.org/10.1186/s41935-019-0151-5>
13. Mukesh Sunman Singh Batham, K P S Kushwaha, Tanya Chauhan, R.K. Kumawat and **Pankaj Shrivastava**; Autosomal STR alleles frequencies in Kahars of Uttar Pradesh, India drawn with PowerPlex® 21 multiplex system; International Journal of Legal Medicine, 134, pages 517–519 (2020)
14. Shivani Dixit, **Pankaj Shrivastava**, R. K. Kumawat, Kamlesh Kaitholia, HIRAK Ranjan Dash, Harsh Sharma & Gyaneshwer Choubey; Forensic genetic analysis of population of Madhya Pradesh with PowerPlex Fusion 6C™ Multiplex System; International Journal of Legal Medicine volume 133, pages 803–805 (2019).
15. Ankit Srivastava, Ramkishan Kumawat, Shivani Dixit, Kamlesh Kaitholia, Divya Shrivastava, Vijay Kumar Yadav, Kriti Nigam, Harsh Sharma, Veena Ben Trivedi, Gyaneshwer Chaubey and **Pankaj Shrivastava**; Genetic Data for Powerplex 21 Autosomal and Powerplex Y-23 STR Loci from Population of the State of Uttar Pradesh, India; International Journal of Legal Medicine volume 133, pages 1381-1383 (2019).
16. Rashed Alghafri, Irena Zupanič Pajnič, Tomaž Zupanc, Jože Balažič & **Pankaj Shrivastava**; Rapidly mutating Y-STR analyses of compromised forensic samples. Int J Legal Med 132, 397–403 (2018).
17. Jahangir Imam, Romana Reyaz, Rama Shankar Singh, Arun Kumar Bapuly & **Pankaj Shrivastava**; Genomic portrait of population of Jharkhand, India drawn with 15 autosomal STRs and 17 Y-STRs; International Journal of Legal Medicine, volume 132, pages 139–140 (2018).

18. Kiran Preet, Seema Malhotra, **Pankaj Shrivastava**, Toshi Jain, Shweta Rawat, L. Robert Varte, Sayar Singh, Inderjeet Singh & Soma Sarkar; Genetic Diversity in Gorkhas: an Autosomal STR Study; Scientific Reports, volume 6, Article number: 32494 (2016).
19. S.P. Mandal, Sonia Kakkar, **Pankaj Shrivastava**; Suitability of post-mortem cardiac blood for forensic genetic profiling; Rom J Leg Med [25] 390-394 [2017].
20. Toshi Jain, Vijay Nema , Mahendra K. Gupta , Naveen Kango , Hirak R Dash , **Pankaj Shrivastava**; Molecular characterization of selected bacterial flora from forensic case exhibits; Rom J Leg Med [25] 244-250. doi-DOI: 10.4323/rjlm.2017.
21. Amita Shrivastava, Mahendra Gupta, Pradeep Singhal, **Pankaj Shrivastava**; Extra-cellular release of non-peptide group compounds by antifungal Bacillus and Brevibacillus strains; Current Bioactive Compounds; 08/2016; 12(999). DOI:10.2174/1573407212666160804124019
22. Toshi Jain, **Pankaj Shrivastava**, Veena Ben Trivedi; Genetic portrait of Majhi tribe of Chhattisgarh, India based on 15 autosomal STRs and 23 Y-STRs. International Journal of Legal Medicine, 131, pages113–114(2017).
23. Toshi Jain, **Pankaj Shrivastava**, Bansal DD, Dash HR, Veena Ben Trivedi; PowerPlex Y23 System: A Fast, Sensitive and Reliable Y-STR Multiplex System for Forensic and Population Genetic Purpose;.Journal of Molecular Biomarkers and Diagnosis. 2016, 7:3,DOI: 10.4172/2155-9929.1000287.
24. **Pankaj Shrivastava**, Toshi Jain, Veena Ben Trivedi; Structure and genetic relationship of five populations from central India based on 15 autosomal STR loci; Annals of Human Biology, Pages 74-86; DOI:10.3109/03014460.2016.1151932.
25. **Pankaj Shrivastava**, Toshi Jain, V.B.Trivedi; A genetic portrait of Oraon Indian tribe drawn with 15 autosomal and 17 Y chromosomal STR markers; International Journal of Legal Medicine, 130, pages1185–1186(2016).
26. **Pankaj Shrivastava**, Toshi Jain, Veena Trivedi: DNA Fingerprinting; A substantial and imperative aid to forensic investigation. European Journal of Forensic Science, 01/2016; 3(3). DOI:10.5455/ejfs.204929
27. **Pankaj Shrivastava**, Toshi Jain, Veena Ben Trivedi; Genetic polymorphism study at 15 autosomal locus in central Indian population; SpringerPlus volume 4, Article number: 566 (2015).
28. **Pankaj Shrivastava**, Toshi Jain, Sonia Kakkar, Veena Ben Trivedi; Paternally inherited trisomy at D21S11 and mutation at DXS10135 microsatellite marker in a case of fetus paternity establishment; Egyptian Journal of Forensic Science. 11/2015; DOI:10.1016/j.ejfs.2015.09.001
29. **Pankaj Shrivastava**, Umang Gupta, Toshi Jain, Veena Ben Trivedi; Y STR haplotype diversity in central Indian population. Annals of Human Biology 09/2015; DOI:10.3109/03014460.2015.1071425.
30. **Pankaj Shrivastava**, Veena Ben Trivedi, Toshi Jain, Mehmood Ali; An unusual occurrence of repeated single allele variation on Y-STR locus DYS458; Egyptian Journal of Forensic Science. 05/2015; 26. DOI:10.1016/j.ejfs.2015.05.003.
31. **Pankaj Shrivastava**, Toshi Jain, Umang Gupta, Veena Ben Trivedi; Genetic variation at 15 autosomal STR loci in Bhil tribal population of Central India. Annals of Human Biology 04/2015; 24(1). DOI:10.3109/03014460.2015.1014419.
32. **Pankaj Shrivastava**, Toshi Jain, Mahendra K Gupta: Microbial Forensics in Legal Medicine; SASJ.Med., Volume-1; Issue-1(May-Jun, 2015); p-33-40.

33. D Dogra, **Pankaj Shrivastava**, R Chaudhary, Umang Gupta, Toshi Jain; Population Genetics for Autosomal STR Loci in Sikh Population of Central India. *Hereditary Genet*, 01/2015; 04(01). DOI:10.4172/2161-1041.1000142
34. **Pankaj Shrivastava**, Toshi Jain, Umang Gupta, Veena Ben Trivedi; Genetic polymorphism study on 12 X STR loci of investigator Argus X STR kit in Bhil tribal population of Madhya Pradesh, India; *Legal Medicine* 11/2014; 17(3). DOI:10.1016/j.legalmed.2014.11.004
35. Devinder Singh Negi, **Pankaj Shrivastava**, Smruti Prava Das; Biochemical characterization of Molecular Markers for Human Genetic Identification in Paternity testing by DNA profiling; *Asian Journal of Biomedical and Pharmaceutical Sciences*; 04 (37); 2014, 52-56.
36. Devinder Singh Negi, **Pankaj Shrivastava**, Smruti Prava Das; DNA sequencing by polymer synthesis with variable ratio of deoxynucleotide triphosphate and fluorescent dideoxynucleotide triphosphate; *Asian Journal of Biomedical and Pharmaceutical Sciences*; 04 (32); 2014. 32-38.
37. Negi DS, **Pankaj Shrivastava**, Das SP; Microsatellite Markers Alleles Analysis in 12 Cases of Paternity Establishment ByDNA Profiling; *J Pharm Biomed Sci* 2014;04(12):1057-1071.
38. **Pankaj Shrivastava**, N Mishra, NC Sharma, VB Trivedi, DS Negi, MK Verma; Autosomal STR genotyping analysis of juvenile delinquents of Madhya Pradesh: A pilot Study; *Advance Biotech*. 2012.
39. Mahendra K.Gupta, **Pankaj Shrivastava**, Pradeep K.Singhal; Decomposition of young water hyacinth leaves in lake water. *Hydrobiologia* 10/1996; 335(1). DOI:10.1007/BF00013680
40. **Pankaj Shrivastava**, Toshi Jain and Veena Ben Trivedi; “Usefulness of X STR haplotype markers in forensic DNA profiling”; *International Journal HELIX*. Vol 4:582-589 (2014). ISSN 2379-5592.
41. **Pankaj Shrivastava**, Veena Ben Trivedi, N. Mishra and M K Verma; D21S11 Marker for Detection of Down’s Syndrome D21S11 marker for Detection of Down’s syndrome; *IJPI’S Journal of Biotechnology and Biotherapeutics*, Vol 3: 12 (2013).ISSN 2229 – 6824
42. **Pankaj Shrivastava** and Veena Ben Trivedi; Customized differential extraction method for excess female DNA in sexual assault case: A case study; *Advanced BioTech*, Volume:12 Issue:05 November 10, 2012, p-ISSN: 0973-0109
43. **Pankaj Shrivastava**; STR as Confirmation of Rape When no Spermatozoa or Semen is Detected in a Case of Sexual Assault; *Advanced BioTech*, Volume:12 Issue:06 December 10, 2012 p-ISSN: 0973-0109 e-ISSN: 2319-6750
44. Toshi Jain and **Pankaj Shrivastava**; Isolation, molecular characterization and forensic relevance of bacteria from undergarments of rape victims; *J.Microbiol. Biotech. Res.*, 2015, 5 (2): 28-30

Book Chapters

1. **Pankaj Shrivastava**, DevikaDogra, RuchiraChaudhary: Study of Genetic Polymorphism at 8 STR Loci in the Jat Sikh Population of MadhyaPradesh. *Next Generation DNA Led Technologies*, 01/2016. ISBN-978-981-287-669-0
2. **Pankaj Shrivastava**, UmangGupta, Toshi Jain, VeenaBenTrivedi, SoniaKakkar: Genetic Portrait of Bhil Tribe of Central India Based on Autosomal and X STR Loci. *Next Generation DNA Led Technologies*, 01/2016.ISBN-978-981-287-669-0
3. **Pankaj Shrivastava**, Toshi Jain, S.K.Tiwari: DNA fingerprinting in solving crime against girl child and women. *Crime Against Women*, 2015 edited by AshaShukla, JayaPhookan, 05/2015: chapter 9; Serials Publications (P) Limited., ISBN: 978-81-8387-696-4

4. **Pankaj Shrivastava**, DeeptiVerma, AK Guru: Sexual Violence Against Women. Recent Advances In Forensic Biology, 2002 edited by S.Nath, 01/2002: chapter Sexual Violence Against Women; Associated University Press
5. STR Typing and Available Kits. **Contributed in HirakRanjan Dash, PankajShrivastava,B K Mahapatra and S Das, DNA Fingerprinting: Advancements and Future Endeavors, Springer (2018) ISBN 978-981-13-1582-4**
6. Unique Individualistic Microflora: The Future of DNA Fingerprinting Technique **Contributed in HirakRanjan Dash, PankajShrivastava,B K Mahapatra and S Das, DNA Fingerprinting: Advancements and Future Endeavors, Springer (2018) ISBN 978-981-13-1582-4**
7. Molecular Diagnosis of Enteric Bacterial Pathogens **Contributed in HirakRanjan Dash, PankajShrivastava,B K Mahapatra and S Das, DNA Fingerprinting: Advancements and Future Endeavors, Springer (2018) ISBN 978-981-13-1582-4**
8. Future of DNA Fingerprinting: Application of NGS in Forensic Science, **Contributed in HirakRanjan Dash, PankajShrivastava,B K Mahapatra and S Das, DNA Fingerprinting: Advancements and Future Endeavors, Springer (2018) ISBN 978-981-13-1582-4**
9. Developments in DNA Fingerprinting Technology with special emphasis on Disaster Management. **Pankaj Shrivastava**and M K Verma, ISBN 978-93-80525-71-6, 2012

Y STR data submissions in Y Haplotype worldwide Y STR database

YHRD Submissions of DNA data (www.yhrd.org)-
1. YA004706
Haplotype Count: 202 Data type: Y 17 STR
Population: Odisha, India
contributor: Pankaj Shrivastava , Subhasish Sahoo, R.K. Kumawat
2. YA004145
Haplotype Count: 107 Data type: Y 17 STR
Population: Chattisgarh, India [Majhi]
contributor: Pankaj Shrivastava , Toshi Jain, KuldeepKujur
3. YA004144
Haplotype Count: 217 Data type: Y 23 STR
Population:Madhya Pradesh, India [Bhil]
Contributor: Pankaj Shrivastava , Toshi Jain
4. YA004188
Haplotype Count: 92 Data type: Y 23 STR
Chhattisgarh, India [Muria]
Contributor: Pankaj Shrivastava , Toshi Jain
5. YA004187

Haplotype Count:79 Data type: Y 23 STR
Chhattisgarh, India [Dorla]
Contributor: Pankaj Shrivastava , Toshi Jain
6.YA004159
Haplotype Count:517 Data type: Y 17 STR
Madhya Pradesh, India
Contributor: Pankaj Shrivastava , Toshi Jain, Veena Ben Trivedi
7.YA004159
Haplotype Count:102 Data type: Y 17 STR
Jharkhand, India
Contributor: Pankaj Shrivastava , Jahangir Imam, A K Bapuli

NCBI Submissions of Microbial 16S RNA Sequences

September 2014
GenBank KM015441 to KM015453- 13 sequences submitted
October 2015-
GenBank KT906373- 01 sequence submitted
GenBank KT906674 - 01 sequence submitted
GenBank KT906675 to KT906689 – total 15 sequences submitted
February 2017-
GenBankKY608096 to KY608175- 79 sequence submitted on 20 February 2017
August 2020
SUB7892839 SeqPSTJ-212
SUB7892839 SeqPSTJ-213
SUB7892839 SeqPSTJ-229
SUB7892839 SeqPSTJ-230
SUB7892839 SeqPSTJ-231
SUB7892839 SeqPSTJ-232
SUB8064820 SeqPSTJ-260 MT940529
SUB8097581 SeqPSTJ-262 MT973494
SUB8130858 SeqPSTJ-266 MT994991
September 2020
SUB8171822 SeqPSTJ-270 MW020028
SUB8171822 SeqPSTJ-272 MW020029
SUB8182378 SeqPSTJ-271 MW022442

Details of commendations received -

- 1993 - Awarded 16th Indian Botanical Society Best paper presentation award in the section of Microbiology .
- 2001- Award for best paper presentation from Bureau of Police Research and Development, Ministry of Home, Govt of India during all India Forensic Science conference in 2001 at Ahmedabad in Biology Section
- 2014- Govind Vallabh Samman from, Bureau of Police Research and Development, Ministry of Home, Govt of India (On Published authored book)
- 2016- Anusrijan Samman from AISECT University Bhopal (MP)

- 2017- Govind Vallabh Samman from, Bureau of Police Research and Development, Ministry of Home, Govt. of India (On Published authored book)
- 2017- Award Award for best paper presentation from Directorate of Forensic Science Services, Ministry of Home, Govt of India during all India Forensic Science conference in 2018 at Ahmadabad in Biology.
- 2018- Award Award for best paper presentation during National Seminar of Forensic Science organized by State Forensic Science Laboratory, Bangalore in 2018 at Ahemedabad in Biology Section.

Membership of scientific bodies

- Member of International Society of Forensic Genetics (ISFG)
- Life member of the Indian Science Congress Association (ISCA)
- Life member of the Indian Academy of Forensic Science (IAFS).
- Life member of Association of DNA Fingerprinting Experts in India (ADNAT) (Presently executive body member.)
- Life member of Society of Biological Chemists, India.
- Life member of Indian Society of Microbiology.