

Dr. Hansi Bansal

Working as an Assistant Professor (Sr. Grade) in Forensic Science with an expertise of delivering high quality education, conducting forensic research, and fostering student engagement.

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RESEARCH & PROFESSIONAL NETWORK

- LinkedIn: <https://www.linkedin.com/in/hansi-bansal-56073419/>
- Google Scholar: <https://scholar.google.com/citations>
- ResearchGate: <https://www.researchgate.net/profile/Hansi-Bansal>

Government Institute of Forensic Science, Nagpur

July 2013 - Present

Assistant Professor Sr. Grade (Forensic Science)

- Teaching various subjects to Undergraduate, Postgraduate and P.G. Diploma students.
- Mentoring and guided Postgraduate students and PG Diploma students for their dissertation projects.
- Conduct research and review in different areas of Forensic Science.
- Designed and developed curriculum to reflect the latest advancements in Forensic Science incorporating theoretical as well as practical skills.
- Organize outreach programs such as workshops, guest lectures to raise the awareness of Forensic Science.
- Worked as an Editor for the Annual College Magazine.
- Worked as a member for different committees at Institutional level such as Purchase Committee, Guidance for Competitive Exams, NSS.

HCL Infosystems via J.K. Consultancy

Sept 2012 – July 2013

Forensic Analyst

- Contributed to the Unique Identification Authority of India (UIDAI) Project under the Planning Commission of India.
- Worked on comparative analysis of biometric data, specifically fingerprint and iris pattern matching, to enhance the accuracy and security of the national identification system.

EDUCATION

- Ph.D. in Forensic Science
- UCG-NET-JRF (Forensic Science) – December 2011
- M.Sc. in Forensic Science 2011
Amity University, Noida.
- B.Sc. in Biotechnology 2009
Indraprastha Engineering College, Ghaziabad

AREAS OF INTEREST

Fingerprints, Questioned Documents, Handwriting Analysis, Graphology, Crime Scene Investigation & Reconstruction, Forensic Anthropology, Physical Anthropology, Microbial Forensics

PROFESSIONAL AFFILIATIONS AND CERTIFICATIONS

- Certified Handwriting Analysis Specialist and Certified Signature Analysis Specialist.
- Life Member of Indian Science Congress Association, Kolkata, West Bengal.
- Life Member of South India Medico Legal Association, Bangalore.

CONFERENCES ATTENDED

- Attended One Day National Conference on 'Indian Heritage in Chemistry' jointly organized by IGNOU Regional Centre, Nagpur and Hislop College, Nagpur (March 28, 2018)
 - Participated and organized One Day National Conference on 'Forensic Science: An Interface between Science, Law & Justice' organized by Govt. Institute of Forensic Science, Nagpur (December 23, 2017)
 - International Conference on "Integrated Solid Waste Management Practices in Developing Countries" jointly organized by CSIR- National Environmental Engineering Research Institute, Nagpur, Maharashtra, India held on April 11, 12, 2017
 - Two days University level Seminar on "Spectroscopy" organized by Chemistry Association & Physics Society, Institute of Science, Nagpur
 - Two days' workshop on MOOC organized by Department of Digital & Cyber Forensics, Govt. Institute of Forensic Science, Nagpur
 - Participated as Delegate in the 10th International Conference of The Indo-Pacific Association of Law, Medicine and Science (INPALMS-2010) held at AUUP Campus, NOIDA, Sector-125, (25-30 October 2010)
 - Participated in International Conference on "Futuristic Materials and Emerging Trends in Forensic & Life Sciences (ICFM-2015)" held at Nagpur (5-7 Feb 2015)
 - Participated in National Conference on "Research Methodology & Avenues of Grants"
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PUBLICATIONS AND BOOK CHAPTERS

1. Wiley Interdisciplinary Reviews: Forensic Science
The Impact of Neurological Disorders on Handwriting: Implications for Forensic Document Examination.
Hansi Bansal, Swati Dubey Mishra, Muskan Singhal | October 2024
2. Fundamentals of Forensic Biology | Publisher: Springer Nature Singapore
Evidence and Identification
Rahul Ravindra Darunde, **Hansi Bansal**, Avinash Puri | June 2024
3. The Lancet | Publisher: Elsevier
Global burden and strength of evidence for 88 risk factors in 204 countries and 811 subnational locations, 1990–2021: a systematic analysis for the Global Burden of Disease Study 2021
GBD 2021 Risk Factors Collaborators | May 2024
4. The Lancet | Publisher: Elsevier
Global burden of 288 causes of death and life expectancy decomposition in 204 countries and territories and 811 subnational locations, 1990–2021: a systematic analysis for the Global Burden of Disease Study 2021
GBD 2021 Causes of Death Collaborators | May 2024
5. The Lancet | Publisher: Elsevier
Global fertility in 204 countries and territories, 1950–2021, with forecasts to 2100: a comprehensive demographic analysis for the Global Burden of Disease Study 2021
GBD 2021 Causes of Death Collaborators | May 2024
6. The Lancet | Publisher: Elsevier
Global age-sex-specific mortality, life expectancy, and population estimates in 204 countries and territories and 811 subnational locations, 1950–2021, and the impact of the COVID-19 pandemic: a comprehensive demographic analysis for the Global Burden of Disease Study 2021.
GBD 2021 Demographics Collaborators | May 2024
7. The Lancet | Publisher: Elsevier
Global, regional, and national mortality due to unintentional carbon monoxide poisoning, 2000–2021: results from the Global Burden of Disease Study 2021.
GBD 2021 Carbon Monoxide Poisoning Collaborators | November 2023
8. Textbook of Forensic Science | Publisher: Publisher: Springer Nature Singapore
Crime and Society: An Introduction to Criminology
Hansi Bansal, Ashish Badiye, Raju Tandan, Neeti Kapoor | October 2023
9. 4th IEEE Global Conference for Advancement in Technology (GCAT) | Publisher: IEEE
Real-time Face Recognition Using an Enhanced VGGNET Convolutional Neural Network
L Balaji, L Rama Murthy, C Ashwini, **Hansi Bansal**, R K Shanmugha Priya, B V Santhosh Krishna. | December 2023
10. International Journal of Medical Toxicology & Legal Medicine
Heavy metal toxicity: A comprehensive review of forms, exposure routes, toxicokinetics, and effects on infants.
Hansi Bansal | July 2023

11. Industry 5.0 and Paradigm Shift Emerging Challenges | Publisher: Allied Publishers (2023)
Psychological Impact of Wrongfully Accused and False Convictions in Sexual Assault Cases: A Systematic Literature Review
Hansi Bansal and Rahul Darunde | February 2023
12. Industry 5.0 and Paradigm Shift Emerging Challenges | Publisher: Allied Publishers (2023)
Examination of Alterations in Multi-Generation Photocopied Documents.
Hansi Bansal, N.M. Vishnu Prasad, Swati Dubey Mishra. | February 2023
13. Indian Police Journal Bureau of Police Research & Development
Assessing the Applicability and Significance of Handwriting Analysis in Indian Legal Cases: A Critical Review
Hansi Bansal, Swati Dubey Mishra | October-December 2022
14. The Lancet Public Health | Publisher: Elsevier
Adolescent Transport and Unintentional Injuries: A Systematic Analysis Using the Global Burden of Disease Study 2019.
GBD 2019 Adolescent Transport and Unintentional Injuries Collaborators | August 2022
15. Forensic Microscopy | Publisher: CRC Press
Introduction to Forensic Microscopy Forensic Microscopy
Hansi Bansal, Neeti Kapoor, Ramdas Atram, Ashish Badiye | 2022
16. Good Practices and Capacity Building for Sustainable Developmental Goals | Publisher: Allied Publishers Pvt. Ltd.
An Assessment of Conventional and Computational Methods for Handwriting Examination.
Hansi Bansal and Swati Dubey Mishra | 2021
17. Journal of Indian Academy of Forensic Medicine Publisher: Indian Academy of Forensic Medicine
Footprint breadth dimensions: Is it possible to determine sex and/or side”?
Ashish Badiye, **Hansi Bansal**, Anjali Rahatgaonkar, Mukesh Yadav | 2016
18. Malaysian Journal of Forensic Sciences
Distribution of Fingerprint Patterns in an Indian Population
Hansi Bansal, Ashish Badiye, Neeti Kapoor | 2014
19. Research Journal of Forensic Sciences
An Estimation of Correlation between the Head length and the Stature of the Children aged between 6-10 Years
Hansi Bansal, Ashish Badiye | 2013
20. Helix
A Comparative Study on the Yield of DNA Extracted from Fresh & Condition Exposed Human Scalp Hair Samples.
Ashish Badiye, Vaishali Badiye, **Hansi Bansal**, Mahesh Gaidhane, Srishti Kataria, Mansi Gupta
2011