

HRUTUJA KONDRE

Assistant Professor · Forensic Science

MGMU, Chhatrapati Sambhajinagar · UGC-NET 2023 · MSc Forensic Toxicology

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About

Dedicated and UGC-NET qualified Forensic Science professional with experience in both academia and practical forensic investigations. Seeking to contribute expertise as an Assistant Professor to inspire the next generation of forensic scientists, conduct cutting-edge research, and further enhance a career in academia.

Research Focus & Niche

This research sits at a rare and highly trending interdisciplinary intersection — bridging three critical pillars of modern forensic investigation:

- Cyber Forensics — Digital evidence acquisition, cyber tool analysis, social media forensics, and audio-video speaker identification.
- Dark Web Analysis — Investigation of anonymous networks, underground marketplaces, and covert digital channels used for illicit activities.
- International Drug Trafficking Intelligence — Forensic intelligence on narcotics networks, chemical profiling, and cross-border trafficking investigations.

This niche addresses a critical and underrepresented gap in current forensic literature — connecting the digital underground with chemical forensic intelligence for international law enforcement applications.

Academic & Professional Experience

CURRENT POSITION

Assistant Professor — Forensic Science

MGMU (MGM University), Chhatrapati Sambhajinagar | 2025 – Present

Teaching and research in Forensic Science at the School of Basic & Applied Sciences, MGMU.

PREVIOUS ACADEMIC POSITION

Assistant Professor — School of Sciences

Jain University, Bangalore | November 2023 – December 2024

Taught Forensic Toxicology, Cyber Forensics, and allied subjects to BSc and MSc Forensic Science students. Participated in multiple Faculty Enrichment Programs.

INTERNSHIPS & PRACTICAL TRAINING

Forensic Instructor & Mentor — Forensic Talents India, Ahmedabad | July – August 2023

Guided BSc Forensic Science interns from Parul University. Handled practical and theory sessions, prepared assignments and graded assessments.

Internship — Central Forensic Science Laboratory (CFSL), Pune | August – September 2022

Handled forensic cases in Chemistry and Toxicology, specializing in Narcotics and Explosives analysis.

Questioned Documents & Court Deposition — Clue 4 Evidence, Forensic Lab, Bangalore | October – November 2021

Worked on handwriting and signature examination cases. Deposed 6+ cases with expert reports for court examination. Visited Kolar District Court and observed cross-examination procedures of forensic experts.

Forensic Analysis Intern — Clue 4 Evidence, Forensic Lab, Bangalore | September – October 2020

Trained in Polygraphy, Questioned Document Examination (QDE), and other forensic analysis methods including report writing, key examination, and private laboratory workflow.

Cyber Forensics Intern — Crypto Forensic Technology, Nagpur | October – November 2019

Worked on digital evidence acquisition from multiple devices, various cyber forensic tools and data extraction methods, forensic audio-video analysis, and speaker identification.

Publications in National & International Journals

1. Chemical Warfare Agents and Their Roles in Forensic Intelligence; MH Kondre, MS Jagota; Forensic Reflections (Volume 2), p. 22, 2026.
2. Silent Evidence: Forensic Chemistry and Toxicology in Medicolegal Investigations; H Kondre, A Vinod, R Nair; Chyren Publication, 2026.
3. Forensic Bioanalysis in Criminal Investigations: Analytical Techniques and Legal Implications; HK, Dr J. James, Dr. Pallavi Sen, Saraswathy, T.M.Soundararajan, Jeya Murugan; Journal of Applied Bioanalysis, 11(8), pp. 220–229, 2025.
4. Social Media Forensics and Its Related Threats; Hrutuja Kondre; 4N6 E-Journal, Volume V, Issue I, 2023.

4+ additional papers in progress across Toxicology, Cyber Forensics, Forensic Nanotechnology, and Forensic Intelligence.

Book Chapters & Conference Papers

1. Silent Evidence: Forensic Chemistry and Toxicology in Medicolegal Investigations; H Kondre, A Vinod, R Nair; Chyren Publication, 2026. (Book Chapter)
2. Chemical Warfare Agents and Their Roles in Forensic Intelligence; MH Kondre, MS Jagota; Forensic Reflections (Volume 2), 2026. (Book Chapter)

Education

Master of Forensic Science — Specialization: Forensic Chemistry & Toxicology

Raksha Shakti University, Gujarat | 2021 – 2023

Dissertation: Developing a method of colorimetric detection with zinc nanoparticles using Bougainvillea flowers.

Bachelor of Forensic Science

Govt. Institute of Forensic Science, Nagpur | 2018 – 2021

12th HSC — N.E.S. Science College, Nanded | 2016 – 2018

10th SSC — Montfort Sr. Sec. High School CBSE, Nagpur | 2016

Forensic Instrumental Skills

- Polygraph Analysis & Brain Mapping
- Electrostatic Detection Apparatus (ESDA)
- Visual Spectral Comparator (VSC)
- GC-MS, LC-MS, HPLC
- ED-XRF, UV-VIS Spectroscopy, FT-IR
- Layered Voice Analysis

Additional Qualifications & Achievements

- **UGC-NET Qualified — Forensic Science, 2023**
- Diploma in Cyber Laws
- Certificate in Faculty Development Programs
- Participated in 5+ Seminars, Workshops & Conferences

- 3rd Position — National Level Korfball Championship
- Awards in 3+ Forensic Quizzes, Poster Presentations & Certifications
- Handled university-level programs and anchored events; multilingual; active reader and critic writer

Languages

English — Fluent | Hindi — Fluent | Marathi — Fluent | Chinese Mandarin — Basic

References

Dr. Rutwik Shedge

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Dr. Ankita Parmar

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