RADHA PATEL

0009-0006-2989-4919

Scopus ID:59734614200

VIDWAN : 281456

Assistant Professor
Coordinator (Forensic Science)
Rpatel@iujaipur.edu.in

Profile

Radha Patel is an Assistant Professor of Forensic Science with over six years of teaching and research experience, currently serving in the Department of Forensic Science at ICFAI University, Jaipur, Rajasthan, since September 2024. She is dedicated to preparing students for personal and professional success, and is committed to delivering her duties to the highest standards while continually growing her own skills and knowledge alongside the goals of the institutions she serves.

Her academic foundation began with a B.Sc. (Hons) in Chemistry from Banaras Hindu University, Varanasi, followed by an M.Sc. in Forensic Science (Specialization: Forensic Chemistry & Toxicology) from Bundelkhand University, Jhansi, and an M.Sc. in Chemistry from Mahatma Gandhi Kashi Vidyapith, Varanasi. She qualified the UGC-National Eligibility Test (NET) for Lectureship in December 2019, and is currently pursuing a Ph.D. in Forensic Science at Bundelkhand University, Jhansi, with a specialization in Forensic Nanotoxicology, since February 2022.

Ms. Patel's teaching career has spanned several institutions across India. She began as an Assistant Professor of Forensic Science at Guru Ghasidas University, Bilaspur, Chhattisgarh (January 2020 - October 2021), before moving to Adamas University, Kolkata, West Bengal, where she served as Assistant Professor of Forensic Science (October 2021 - February 2024). She subsequently worked as Guest Faculty, in the capacity of Assistant Professor, at the Uttar Pradesh State Institute of Forensic Science, Lucknow (February 2024 - July 2024), before joining ICFAI University, Jaipur, in her current role.

Her research interests lie in forensic chemistry and toxicology. Her Master's dissertation, entitled "Analysis of Simulated Fire Debris in Different Matrices by Using Various Techniques," reflects her early focus on analytical forensic methods. She has hands-on experience with a wide range of analytical instrumentation, including High Performance Liquid Chromatography (HPLC), Fourier Transform Infrared Spectroscopy (FTIR), Gas Chromatography-Mass Spectroscopy (GC-MS), Nuclear Magnetic

Resonance Spectrophotometer (NMR), Video Spectral Comparator (VSC), Photoacoustic Ultrasound Imaging, Isotope Ratio Mass Spectrometry (IRMS), and High-Performance Thin Layer Chromatography (HPTLC).

Ms. Patel has contributed to the academic literature through several publications. Her articles "Occurrence of Major White-Collar Crimes in West Bengal (India) from 2001-2022: A Comprehensive Study" and "Crime Against Women: Survey of Crimes Committed Against Women in West Bengal in the Recent Time," both co-authored and published in the Gradiva Review Journal (2023), examine crime trends within a forensic and criminological framework. She has also co-authored two book chapters, "Introduction to Sweat and Forensic Analysis" and "Introduction to Saliva and Forensic Analysis," in the book Fundamentals of Forensic Biology, published by Springer (ISBN 978-981-99-3160-6).

Her practical training includes laboratory placements at the Forensic Science Laboratory, Jodhpur, in the toxicology division under Dr. Shaloo Malik, Additional Director (RFSL, Jodhpur) in 2018; the Forensic Science Laboratory, Dharamshala, Himachal Pradesh, under Dr. Minakshi Mahajan, Deputy Director (RFSL, Dharamshala) in 2017; and basic laboratory training at the Forensic Science Laboratory, Ramnagar, Varanasi, under Dr. Archana Tripathi, Joint Director (RFSL, Varanasi) in 2016.

Ms. Patel has actively participated in numerous conferences and workshops, including the International Conference on "Trends in Forensic, Law and Criminology" at the National University of Juridical Sciences, Kolkata (2024); hands-on training on high-end scientific equipment sponsored by SERB-DST under the Accelerate Vigyan Scheme at SATHI, Banaras Hindu University (2023); a workshop on synthesis, characterization and application of nanomaterials at SATHI, Banaras Hindu University (2023); and several national and international conferences on forensic DNA technology, forensic science, and forensic medicine and toxicology between 2016 and 2018. Alongside her technical expertise, she brings strong critical thinking, multitasking, teamwork, leadership, communication, and effective teaching skills to her role, together with proficiency in Microsoft Office and effective time management.