



MAHARSHI DAYANAND UNIVERSITY, ROHTAK

(Accredited A+ Grade by NAAC)

Name : Dr. RAJVINDER SINGH
Date of Birth : 17-04-1979
Designation : Associate Professor
Department : Forensic Science
University : Maharshi Dayanand University, Rohtak
Corresponded : Department of Forensic Science,
M.D. University, Rohtak-124001, Haryana (India)
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TOTAL EXPERIENCE

- Post Graduate Teaching : **More than 15 years**
- R&D : **Overall 20 years**

SPECIALIZATIONS : **Major-** Forensic Chemical Sciences
: **Minor-** Forensic Diatomology & Forensic Ballistics

PH.D. TITLE: 'Forensic characterization of diatoms from various water bodies of Punjab'

Practical Skills : FT-IR, GC-MS & UV-vis spectrophotometer

EDUCATION QUALIFICATIONS

Exam	College/University	Year of passing	Subjects/ Specialization
Bachelor of Science (Medical)	Ramgarhia College, Phagwara (Pb.) affiliated with Guru Nanak Dev University (GNDU), Amritsar (Pb.)	2001	CBZ-Medical
Master of Science (Forensic Science)	Department of Forensic Science, Punjabi University Patiala (PUP)	2003	Forensic Chemistry & Toxicology
Doctor of Philosophy (Forensic Science)	Department of Forensic Science, Punjabi University, Patiala (Pb.)	2009	Forensic Diatomology
Post Graduate Diploma in Computer Applications (PGDCA)	Department of Computer Sciences, Punjabi University, Patiala (Pb.) (Through correspondence)	2008	DBMS, MIS, OS, I-T
National Eligibility Test (NET)	University Grants Commission, New Delhi	2004	Forensic Science JRF-2004 SRF-2006

WORKING EXPERIENCES

Post held	Institute/Employer	Period
Associate Professor	Department of Forensic Science, M.D. University, Rohtak (Haryana)	Continuing since 20.09.2022
Assistant Professor	Department of Forensic Science, M.D. University, Rohtak (Haryana)	w.e.f. 17.06.2021 (Transferred from the Department Genetics, M.D. University, Rohtak).
Lecture/Assistant Professor in Forensic Science	Department of Genetics, M.D. University, Rohtak	20.09.2010-16.06.2021
Forensic Analyst	Central Forensic Science Laboratory, Chandigarh	12-10-2009 to 17.09.2010
Teaching Associate (Forensic Science)	Dept. of Zoology, Kurukshetra University, Kurukshetra	02-09-2008 to 24-4-2009
Senior Scientific Officer-(Toxicology)	Forensic Science Laboratory, Department of Home, Patna (Bihar)	01-04-2007 to 29-02-2008

Member etc.

1. Headed, Department of Forensic Science, M.D.U. Rohtak in 2021 & 2022
2. Member, Academic Council, M.D.U. Rohtak
3. Member, PGBOS, Department of Forensic Science, M.D.U. Rohtak

Ph.D. Supervision

1. Late Dr. Ekta Saini (**Awarded**)
Title: A Forensic Study Of Diatom Distribution In Some Water Bodies Of Haryana
2. Mr. Saurabh Bhargava (**Awarded**)
Title: Forensic Characterization and Comparative Analysis of Venoms of *Naja naja* & *Daboia russelii*
3. Ms. Kiran Kumari (**Awarded**)
Title: A Survey and Analysis of Poisonous Plants of Forensic Interest from Haryana
4. Ms. Diksha Thakur (**Registered**)
5. Mrs. Deepa Rani (**Registered**)
6. Mr. Uttam Singh (**Registered**)

Research Project/s Undertaken

Title : Forensic diatomological analysis of some water bodies of Punjab
Funding agency : UGC **Granted received** During 2011-2013

Total Research Publications: 41

Important Research Publications

Book Chapters

1. Thakar, M.K. **Singh, R**, Diatoms, Wiley Encyclopedia of Forensic Science (UK); 2009; Vol. 2 (C-E): 748-757.
2. Saurabh Bhargava **Rajvinder Singh**, Snake Envenomation: A Protracted Medicolegal Dispute, Current Innovations in Medicine and Medical Science Vol. 8, 12 2022, 151-159, <https://doi.org/10.9734/bpi/cimms/v8/4181A>

Research Papers

1. Thakur D, Dubey NP, Singh R. A Review on Spike and Recovery Method in Analytical Method Development and Validation. Crit Rev Anal Chem. 2022 Dec 4:1-19. doi: 10.1080/10408347.2022.2152275. Epub ahead of print. PMID: 36463526. **Impact Factor 5.686@Clarivate Analytics**
2. **Rajvinder Singh**. Narration and Legacy of Important Chemical Spot Tests in Forensic Investigation, Critical Reviews in Analytical Chemistry, 50 (2020), 1-18. **Impact Factor 5.686@Clarivate Analytics**
3. Bhargava S, Kumari K, Sarin RK, **Singh R**. Comparative Snake Venom Analysis for Facilitating Wildlife Forensics: A Pilot Study. J Anal Methods Chem. 2022 Jun 3;2022:8644993. doi: 10.1155/2022/8644993. PMID: 35694612; PMCID: PMC9187493. **Impact Factor 2.594@Clarivate Analytics**
4. Bhargava S, Kumari K, Sarin RK, **Singh R**. Call for accurate statistical data to solve snakebite conundrum in India. Asian Pacific Journal of Tropical Medicine, 13 (2020) 4: 141-142. **Impact Factor 3.041@Clarivate Analytics**
5. Saurabh Bhargava, Ramanjeet Kaur, **Rajvinder Singh**. Epidemiological profile of snake-bite cases from Haryana: A five year (2011–2015) retrospective study. Journal of Forensic and Legal Medicine 54 (2018) 9-13. **Impact Factor 1.691@Clarivate Analytics**
6. **Singh, R**. Deepa, Ramanjeet Kaur Diatomological mapping of water bodies-A future perspective, Journal of Forensic and Legal Medicine 20 (2013): 622-25. **Impact Factor 1.691@Clarivate Analytics**
7. Thakar, M.K. and **Singh, R**, Diatomological Mapping of Water Bodies for the Diagnosis of Drowning Cases, Journal of Forensic and Legal Medicine, 17 (2010) 17: 18-25. **Impact Factor 1.691@Clarivate Analytics**
8. Bhargava S, Kumari K, Sarin RK, **Singh R**. First-hand knowledge about snakes and snake-bite management: an urgent need. *Nagoya Journal of Medical Science*. 2020 Nov; 82(4):763-774. doi: 10.18999/nagjms.82.4.763. PMID: 33311806; PMCID: PMC7719453. **Impact Factor 0.794@Clarivate Analytics**

9. **Singh Rajvinder**, Chronology of preceding medico-legal practices with Reference to post-mortem forensic toxicology, *Forensic Science International: Reports*, 5 (2022): 100275, 1-13, <https://doi.org/10.1016/j.fsir.2022.100275>.
10. Sharma S, Kumar K, Bhargava S, Jamwal VS, Sharma A, **Singh R**. Data in support of poisoning related mortalities from southern Himachal Pradesh. *Data in Brief*, 12 (2017): 493-498.
11. Ekta Saini, VP Khanagwal, **Singh R**. A systematic databasing of diatoms from Different geographical localities and sites of Haryana for advancing validation of forensic diatomology, *Data in Brief* 10 (2017) 63–68.
12. Thakar MK, **Singh R**, Singh, R, Shelja, Kumar A. Forensic Analysis of Some Lip Cosmetics, *Journal of Forensic Identification (IAI)*; 57 (2007) 5: 697-507.
13. Jasuja OP, **Singh, R**, Thin layer chromatographic analysis of liquid lipsticks, *Journal of Forensic Identification (IAI)*; 55 (2005) 1: 28-35.
14. Singh R, **Singh R**, Kumar S, Thakar MK. Forensic Analysis of Diatoms- A Review. Anil Aggrawal's Internet Journal of Forensic Medicine and Toxicology [serial online], 2006; Vol. 7, No. 2 (July - December 2006): https://www.anilaggrawal.com/ij/vol_007_no_002/papers/paper002.html; Published July 10, 2006