




# MAHARSHI DAYANAND UNIVERSITY, ROHTAK (HARYANA)

(A State University established under Haryana Act No. XXV of 1975)

A<sup>+</sup> Grade University Accredited by NAAC

## CURRICULUM VITAE

Name	: Dr. Rajvinder Singh	
Date of Birth	: 17/04/1979	
Designation	: Professor & Head	
Nature of appointment	: Regular/Budgeted	
Faculty	: Interdisciplinary Studies	
Department	: Forensic Science	
Date of Joining in the University	: 20.09.2010	
Date of Retirement	: 30.04.2039	
Contact Details	: Mobile No. 9896398962	
	Email id rvsforensic@mdurohtak.ac.in	

### 1. Educational Qualifications (10<sup>th</sup> and onwards)

S. No.	Degree/ Certificate	Board/University	Passing year
1	Matriculation	Punjab School Education Board, SAS Nagar (Mohali)	1995
2	10+2 (Medical)	Punjab School Education Board, SAS Nagar (Mohali)	1998
3	Bachelor of Science (Medical)	Ramgarhia College, Phagwara (Pb.) affiliated with Guru Nanak Dev University (GNDU), Amritsar (Pb.)	2001
4	Master of Science (Forensic Science)	Department of Forensic Science, Punjabi University Patiala (PUP)	2003
5	Doctor of Philosophy (Forensic Science)	Department of Forensic Science, Punjabi University, Patiala (Pb.)	2009
6	Post Graduate Diploma in Computer Applications (PGDCA)-Through Distance	Department of Computer Sciences, Punjabi University, Patiala (Pb.)	2008

#### Specializations:

Major: *Forensic Chemical Sciences & Forensic Diatomology*

Minor: *Forensic Ballistics and QDE.*

## 2. Teaching/Research/FSL experience

Teaching Experience						
S. No.	Post	Name of Institution	Period			
			From	To		
1	Professor	Department of Forensic Science, M.D. University, Rohtak (Haryana)	20.09.2025	Continuing		
2	Associate Professor	Department of Forensic Science, M.D. University, Rohtak (Haryana)	20.09.2022	19.09.2025		
3	Assistant Professor	Department of Forensic Science, M.D. University, Rohtak (Haryana)	17.06.2021	19.09.2019		
4	Lecture/Assistant Professor in Forensic Science	Department of Genetics, M.D. University, Rohtak	20.09.2010	16.06.2021		
5.	Teaching Associate	Department of Zoology, K.U. Kurukshetra (Haryana)	02.09.2008	24.04.2009		
Forensic Science Laboratory Experience						
1	Senior Scientific Officer (Toxicology)	Forensic Science Laboratory, Patna (Bihar)	01-04-2007	29-02-2008		
2	Forensic Analyst	Central Forensic Science Laboratory, Chandigarh	12-10-2009	17.09.2010		
3	Research Fellow –PUP	State Forensic Science Laboratory, Jaipur (Rajasthan)	25.07.2005	30.07.2005		
4	Research Scholar -PUP	Forensic Science Laboratory, Home department , GNCT, Delhi	08-11-2004	19-11-2004		
Research Fellowships Experiences						
1	Senior Research Fellow (Forensic Science)	UGC-NET, New Delhi	2006	2007		
2	Junior Research Fellow (Forensic Science)	UGC-NET, New Delhi	2004	2006		

## 3. Details of Research Achievements

h-index (Google/SCOPUS)	8 (Scopus)
ORCID ID (if any)	<a href="http://orcid.org/0000-0003-4209-7659">http://orcid.org/0000-0003-4209-7659</a>
Scopus ID	Scopus ID: 23494067300

Administrative cum Research Experiences				
1	Head cum PIO	Department of Forensic Science, MDU Rohtak	2021	2022
3	Head cum PIO	Department of Forensic Science, MDU Rohtak	2025	Continuing
4	Member	Academic Council –MDU Rohtak, MDU Rohtak	2022	Continuing
5	Member	Faculty of Interdisciplinary Studies –MDU Rohtak	2022	Continuing
6	Member Secretary	Human Ethics Committee & Institutional Committee on Stem Cell Research –MDU Rohtak	2024	Continuing
7	R&D Coordinator	Faculty of Interdisciplinary Studies, MDU Rohtak	2023	Continuing

### List of Publications

#### Book Chapters

S. No.	Year	Particulars / Details	Link to article	Impact Factor
1	2009	Thakar, M.K. and <b>Singh, R.</b> Diatoms, Wiley Encyclopaedia of Forensic Science (UK); 2009; Vol. 2 (C-E): 748-757	<a href="https://doi.org/10.1002/9780470061589.fsa625bhttps://onlinelibrary.wiley.com/doi/abs/10.1002/9780470061589.fsa625b">https://doi.org/10.1002/9780470061589.fsa625bhttps://onlinelibrary.wiley.com/doi/abs/10.1002/9780470061589.fsa625b</a>	NA
2	2022	Bhargava S, <b>Singh R.</b> , Snake Envenomation: Chapter – 12- A Protracted Medicolegal Dispute in Current Innovations in Medicine and Medical Science, Editor(s) Dr. Ramesh Gurunathan, General Surgery, Sunway Medical Center, Malaysia. Vol. 8, 12 November 2022, Page 151-159. (ISBN 978-93-5547-961-7 (Print); ISBN 978-93-5547-962-4 (eBook).	<a href="https://doi.org/10.9734/bpi/cimms/v8/4181A">https://doi.org/10.9734/bpi/cimms/v8/4181A</a>	NA

#### Research Papers

S. No.	Year	Particulars / Details	Link to article	Impact Factor
1	2025	Thakur, D., Dubey, N. P., Singh, R., & Kumar, A. (2025). Advances and Challenges in LSD Detection: Analytical Techniques, Matrix Selection, and Validation Gaps in Forensic Toxicology. Critical Reviews in Analytical Chemistry, 1–17.	<a href="https://doi.org/10.1080/10408347.2025.2578622">https://doi.org/10.1080/10408347.2025.2578622</a>	5.2
2	2022	Thakur D, Dubey NP, Singh R. A Review on Spike and Recovery Method in Analytical Method Development and Validation. Critical Reviews in Analytical Chemistry, 2022, (Taylor & Francis Group, LLC)	<a href="https://doi.org/10.1080/10408347.2022.2152275">DOI: 10.1080/10408347.2022.2152275.</a>	5.2
3	2020	<b>Singh R.</b> Narration and Legacy of Important Chemical Spot Tests in Forensic Investigation. Critical Review in Analytical Chemistry, 2020,	<a href="https://doi.org/10.1080/10408347.2020.1785837">doi: 10.1080/10408347.2020.1785837.</a>	5.2

		Jul, 12:1-18. (Taylor & Francis Group, LLC).		
4	2023	Thakur D, Dubey NP, Arti, Saini B, Singh R. Pilot study on FT-IR and GC analysis of inhalant substances (thinners and glues) for forensic purpose. <i>Vibrational Spectroscopy</i> , 129, 2023, 103601, ISSN 0924-2031,	<a href="https://doi.org/10.1016/j.vibsp.2023.103601">https://doi.org/10.1016/j.vibsp.2023.103601.</a>	3.1
5	2025	Diksha Thakur, NeetiPrakashDubey, Rajvinder Singh, Interpretation of drug trafficking patterns and utility of Forensic intelligence, <i>Forensic Sciences Research</i> , 2025;, owaf040,	<a href="https://doi.org/10.1093/fsr/owaf040">https://doi.org/10.1093/fsr/owaf040:</a>	1.8
6	2022	Bhargava S, Kumari K, SarinRK, <b>Singh R</b> . Comparative snake venom analysis for facilitating wildlife forensics: A pilot study. <i>Journal of Analytical Methods in Chemistry</i> , Volume 2022, Article ID 8644993, 13 pages.	<a href="https://doi.org/10.1155/2022/8644993">https://doi.org/10.1155/2022/8644993.</a>	2.2
7	2020	Bhargava S, Kumari K, SarinRK, Singh R. Call for accurate statistical data to solve snakebite conundrum in India. <i>Asian Pacific Journal of Tropical Medicine</i> , 2020; 13(4): 141-142.	<a href="https://doi.org/10.4103/1995-7645.280235">doi:10.4103/1995-7645.280235</a>	1.6
8	2017	Sharma S, Kumar K, Bhargava S, JamwalVS, Sharma A, <b>Singh R</b> . Data in support of poisoning related mortalities from southern Himachal Pradesh. <i>Data in Brief</i> , 12 (2017): 493–498.	<a href="https://doi.org/10.1016/j.dib.2017.04.028">https://doi.org/10.1016/j.dib.2017.04.028</a>	1.4
9	2017	Saini E, Khanagwal VP, <b>Singh R</b> . A systematic databasing of diatoms from Different geographical localities and sites of Haryana for advancing validation of forensic diatomology. <i>Data in Brief</i> , 2017, 10: 63–68.	<a href="https://doi.org/10.1016/j.dib.2016.11.072">https://doi.org/10.1016/j.dib.2016.11.072</a>	1.4
10	2018	Bhargava S, Kaur R, Singh R. Epidemiological profile of snake-bite cases from Haryana: A five year (2011–2015) retrospective study. <i>Journal of Forensic and Legal Medicine</i> , 2018, 54, 9–13.	<a href="https://doi.org/10.1016/j.jflm.2017.12.004">doi: 10.1016/j.jflm.2017.12.004. E pub 2017 Dec 20.</a>	1.2
11	2013	<b>Singh, R</b> . Deepa, Kaur R. Diatomological mapping of water bodies-A future perspective. <i>Journal of Forensic and Legal Medicine</i> , 2013, 20: 622-25	<a href="https://doi.org/10.1016/j.jflm.2013.03.031">https://doi.org/10.1016/j.jflm.2013.03.031</a>	1.2
12	2010	ThakarM.K., <b>Singh R</b> . Diatomological Mapping of Water Bodies for the Diagnosis of Drowning Cases. <i>Journal of Forensic and Legal Medicine</i> , 2010, 17: 18-25.	<a href="https://doi.org/10.1016/j.jflm.2009.07.016">https://doi.org/10.1016/j.jflm.2009.07.016</a>	1.2
13	2020	Bhargava S, Kumari K, SarinRK, <b>Singh R</b> . First-hand knowledge about snakes and snake-bite management: an urgent need. <i>Nagoya Journal of Medical Science</i> . 2020, 82(4):763-774.	<a href="https://doi.org/10.18999/nagjms.82.4.763">doi: 10.18999/nagjms.82.4.763.</a> PMID: 33311806; PMCID: PMC7719453.	0.9
14	2022	<b>Singh Rajvinder</b> , Chronology of preceding medico-legal practices with Reference to post-mortem forensic toxicology. <i>Forensic Science International: Reports</i> , 2022, 5 (100275): 1-13,	<a href="https://doi.org/10.1016/j.fsir.2022.100275">https://doi.org/10.1016/j.fsir.2022.100275.</a>	-
15	2019	Kaur A, <b>Singh R</b> , Singh R. Effect of Altitudinal and Seasonal Factors on Diatomological Mapping of Water bodies: Implication in Drowning Investigations. <i>Arab Journal of Forensic Sciences &amp; Forensic Medicine (AJFSFM)</i> .2019, 1(8): 1013-24.	<a href="https://doi.org/10.26735/16586794.2018.027">doi: 10.26735/16586794.2018.027</a>	-
16	2025	Diksha Thakur, NeetiPrakashDubey, <b>Rajvinder Singh</b> . Determination of Tramadol, Tapentadol, Venlafaxine, and Ketamine in Non-Biological Matrices: A GC-MS Study on Drug Stability and Environmental Impact in Forensic Paraphernalia <i>Arab Journal of Forensic Sciences and Forensic</i>	<a href="https://doi.org/10.26735/XNLE5002.1658-6794">doi:10.26735/XNLE5002: 1658-6794</a> © 2025.	-

		Medicine,2025; Volume 7 Issue (1): 34-48.		
17	2007	Thakar MK, <b>Singh R</b> , Singh, R, Shelja, Kumar A. Forensic Analysis of Some Lip Cosmetics. Journal of Forensic Identification (IAI); 2007, 57 (5): 697-507.	Journal of Forensic Identification (IAI);	-
28	2005	JasujaO.P. <b>Singh, R</b> . Thin layer chromatographic analysis of liquid lipsticks. Journal of Forensic Identification (IAI); 2005, 55 (1): 28-35.	Journal of Forensic Identification (IAI); 2005, 55 (1): 28-35.	-
19	2022	Thakur D, Dubey NP, <b>Singh R</b> . Drug-facilitating Sexual Assaults (DFSA): AN emerging crime in India. The Indian Police Journal, 2022; 69 (4): 51-58	The Indian Police Journal, 2022; 69 (4): 51-58	-
20	2020	Thakur D, Bhargava S, Sharma A, <b>Singh R</b> . Patterns of Unrecorded/Illicit Liquor Cases from Southern Himachal Pradesh: A Retrospective Evaluation. International Journal of Medical Toxicology & Legal Medicine, 2020, 23(-4): 263-269. Print ISSN:0972-0448. Online ISSN: 0974-4614.	DOI:10.5958/0974-4614.2020.00077.7	-
21	2019	Bhargava S, SarinRK, <b>Rajvinder S</b> . The medico-legal issues of snake envenomations in India. Journal of Forensic Medicine and Toxicology. 2019, 36(1): 78- 82. Print ISSN : 0971-1929. Online ISSN : 0974-4568.	DOI : 10.5958/0974-4568.2019.00020.6	-
22	2019	Singh R, <b>Singh R</b> , Sharma S. (2019). Determination of Geographical Origin of Cannabis - A Review.The Indian Police Journal, 2019; 66. 110.	The Indian Police Journal, 2019; 66. 110.	-
23	2006	Singh, R, <b>Singh, R</b> , Arora S, Thakar MK. Forensic Analysis of Diatoms-A Review. Anil Aggrawal's Internet Journal of Forensic Medicine & Toxicology, 2006, 7(2). (UGC List No. 5) ISSN: 0972-8066 (CD version) & ISSN: 0972-8074 (Online version) <a href="https://www.anilaggrawal.com/ij/vol_007_no_002/papers/paper002.html">https://www.anilaggrawal.com/ij/vol_007_no_002/papers/paper002.html</a>	(Online version) <a href="https://www.anilaggrawal.com/ij/vol_007_no_002/papers/paper002.html">https://www.anilaggrawal.com/ij/vol_007_no_002/papers/paper002.html</a>	-
24	2014	Yadav R, <b>Singh R</b> , Chauhan P. Electrophoresis: A New Era in Forensic Science. <i>CBI Bulletin</i> . 2014; Vol. XXII (7-9): 26-28.	NA	-

#### 4. Research & consultancy Projects

S. No.	Year	Details	Status
1.	2011-13	UGC-Research Project	Completed

#### 5. Research Supervision Overview

S. No.	Level	Degree Awarded	Thesis Submitted
1	Ph.D.	04	NIL
2	P.G.	121	NIL
3	U.G.	NA	NA

#### Details of Ph.D. Scholars

S.No.	Name & Reg. No.	Topic	Date of Reg./ Enrollment	Status
1.	Late, Dr. Ekta Saini (12UTDG0024)	A Forensic Study of Diatom Distribution In Some Water Bodies Of Haryana	30.11.2013	Awarded 2017

2.	Dr. Saurabh Bhargava (06-SRDF-57)	Forensic Characterization and Comparative Analysis of Venoms of Naja naja & Daboia russeli	23.12.2015	Awarded 2020
3.	Ds. Kiran Kumari (04-IGR-1177)	A Survey And Analysis Of Poisonous Plants Of Forensic Interest From Haryana	23.12.2015	Awarded 2020
4.	Dr. Diksha Thakur (1618170002)	Development Of Analytical Method For The Detection Of Drug Of Abuse In Biological And Non-Biological Matrices	11.08.2021	Awarded 2025
5.	Ms. Deepa Rani (2018171020)	A Comparative Study To Determine The Extent Of Natural Variations Between Electronic Signatures And Handwritten Signatures”	18.12.2021	Continuing
6.	Mr. Uttam Singh	Forensic Investigation of Gunshot residue (GSR) on different target surfaces in crime scene reconstruction	18.12.2021	Continuing
7.	Ms. Priya Thakran (1512260252)	Scrutiny of Drowning cases and Re-assessment of Forensic Diatomological Profiles of Selected water Bodies of Haryana & Neighbouring Areas	13.02.2025	Continuing
8.	Ms. Ruchika (141817001)	Alcoholic Beverages: A Retrospective Study of Cases and Forensic Chemical Profiling	13.02.2025	Continuing
9.	Ms. Shivani	Inhalants (Tentative)	Enrolled 2025-26	Continuing
10.	Ms. Sonam Rani	Firearm Propellants (Tentative)	Enrolled 2025-26	Continuing

#### 6. Membership details of Statutory Committees of this University

S. No.	Period	Particulars / Details
1.	2021-22 & continuing since 2025	Head of the Department of Forensic Science, MDURohtak
2.	Since 2022	Member of the Academic Council, M.D.U. Rohtak
3.	Since 2022	Member of Faculty of Interdisciplinary Studies, M.D.U. Rohtak

#### 7. Any other Achievements:

S. No.	Period	Particulars / Details
1.	Since 2022	<b>Subject Expert/Member</b> <ol style="list-style-type: none"> <li>1. UKPSC, Haridwar.</li> <li>2. FSL, GNCT, Delhi</li> <li>1. Parul University, Gujarat,</li> <li>2. Graphic Era University, Dehradun,</li> <li>3. Chandigarh University Mohali,</li> <li>3. Geeta University, Naulatha, Panipat</li> <li>4. LPU Jalandhar (Pb.)</li> <li>5. Sardar Patel Police University, Jodhpur</li> <li>6. SGT, Gurugram</li> <li>7. IRTE, Faridabad</li> </ol>

(Prof. Rajvinder Singh)