




University of Delhi

## Faculty Detail Performa



### 1. Personal Details

Name	Dr. Neeraj Dohare	
Designation	Assistant Professor	
Department	Biochemistry	
Email	<a href="mailto:neerajdohare@dr.du.ac.in">neerajdohare@dr.du.ac.in</a> n.dohare.150887@gmail.com	

### 2. Educational Qualification

Degree	Institution	Year
Ph.D.	Jamia Millia Islamia, New Delhi	2019
M.Sc.	Bundelkhand University, Jhansi	2011
B.Sc.	Bundelkhand University, Jhansi	2009

### 3. Full Time Research Experience

Designation	Institute	Time period	Nature of Appointment
Junior Research Fellow	Jamia Millia Islamia	Nov-2012 to Dec-2017	Temporary

### 4. Full time Teaching Experience

s.no	Designation	Institution	Time Period	Nature of Appointment
1	Assistant Professor	Daulat Ram College, University of Delhi	Jan-2018 to Sep-2022	Ad-hoc
2	Assistant Professor	Daulat Ram College, University of Delhi	Oct-2022 to Onwards	Permanent
Total			3 Years	

### 5. Administrative Assignments

Name of Institute	Designation	Status	Time period	Experience

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## 6. Areas of Interest:

1. Drug Protein interaction
2. Enzyme kinetics
3. Effect of Surface-active materials on protein structure
4. Protein Folding

## 7. Subjects Taught

S.No	Course	Subject Taught	Semester	Year
1	B.Sc.	Genetic Engineering and Biotechnology Biochemical Correlation of Diseases Tools and Techniques	VI IV IV	2018
2	B.Sc.	Molecules of Life Biomolecules Tools and Techniques Proteins and Enzymes	I I III III	2018
3	B.Sc.	Techniques in Biochemistry Genetic Engineering and Biotechnology Environmental Sciences	II VI II	2019
4.	B.Sc.	Molecules of Life Biomolecules Biochemical Techniques	I I III	2019
5	B.Sc.	Techniques in Biochemistry Environmental Sciences	II II	2020
6.	B.Sc.	Molecules of Life Biomolecules Biochemical Techniques Proteins and Enzymes	I I III III	2020
7.	B.Sc.	Molecules of Life Biomolecules Biochemical Techniques Proteins and Enzymes Hormone: Biochemistry and Function Techniques in Biochemistry	I I III III III II	2021
8.	B.Sc.	Molecules of Life Biomolecules Biochemical Techniques Proteins and Enzymes Hormone: Biochemistry and Function	I I III III III	2022

		Techniques in Biochemistry	II	
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**8. Research Guidance Given:**

Name of student	Gender	Degree for which guidance	Date of Registration	Supervisor/ Cosupervisor	University	Title of Thesis	Date of submission of thesis	Date of Award of

**9. Details of refresher/orientation course/research methodology/workshop/syllabus up-gradation/teaching –learning-evaluation/technology programmes/Faculty Development Programme**

S.No.	Details	Place	Period		Year	Sponsoring/Organising Agency
			From	To		
1.	FIP	Delhi	25-02-23	27-03-23	2023	GAD TLC, Delhi
2.	Refresher (Managing Online Classes & Co-creating MOOCS 26.0)	Delhi	08-05-23	22-05-23	2023	Ramanujan College, TLC, Delhi
3.	Refresher (Advanced Research Methodology)	Delhi	22-05-23	05-06-23	2023	Ramanujan College, TLC, Delhi

**10. MOOCs completed with e-certification**

S.No.	Details of MOOC	Subject	Certification providing agency	Date of certification	Level (UG/PG/Other)	Year	E-certification no.

### 11. Contribution towards development of e-content/MOOCs in 4- quadrants

S.No.	Details of E-contents/MOOCs in 4-quadrants	Quadrants developed	No. of Modules	Course	Sponsoring agency	Year	Level (UG/PG/Other)

### 12. Contribution towards conduct of MOOCs

S.No.	Details of MOOC	Subject	Sponsoring agency	Level (UG/PG/Other)	Year	E-certification no.

### 13. Organizing seminars/ conferences/workshops, other college/university activities.

S.No.	Year	Details	Place	Period		Sponsoring/Organising Agency
				From	To	
1	2019	Skill enhancement workshop for non-teaching staff	Daulat Ram College, University of Delhi	20 Hours		Daulat Ram College, University of Delhi
2.	2019	Yoga and Meditation for the Holistic well being	Daulat Ram College, University of Delhi	7 Mar,2019		DRDO
3.	2019	National Workshop on water and waste management	Daulat Ram College, University of Delhi	30 Aug, 2019		DRC and UGC
4.	2018	Inspire Science Camp	Daulat Ram College, University of Delhi	17 Dec, 2018	21 Dec, 2018	DST
5.	2015	National symposium on Biophysics	Jamia Millia Islamia	14 Feb, 2015	17 Feb, 2015	UGC, CSIR, DRDO, DBT, DST, SERB, ICMR

**14. Creation of ICT mediated Teaching Learning pedagogy and content and development of new and innovative courses and curricula**

**Development of Innovative Pedagogy e module**

S.No.	Name of the Module	Subject	Stream	Organization for which it was developed	Year	Level (UG/PG/Other)	Weblink

**15. Research Projects ongoing 2017-21**

S.No	Name of Research Project	Funding Agency	National/International	Duration	Amount Sanctioned	Amount Received

**16. Research projects Completed**

S.No	Name of Research Project	Funding Agency	National/International	Duration	Amount Sanctioned	Amount Received

**17. Books published**

S.No	Authors (year)Name of Book. Publisher, ISBN No	Publisher	Date of publishing	Authored/Edited	ISBN No

**18. Book Chapters/Articles published**

S.No	Author(year) Title of Chapter/Article,in Edited Book: Title of book, Publisher, Vol, Page no	Date of publishing	Authored/Edited	ISBN No

### 19. E- Modules Published

S.No	Author (year) Title, Module, Subject, Organization, Weblink	Date of publishing	Authored/Edited	Link

### 20. Research Publications:

S.No	Author/s(Year) Journal Name, Vol, series, pg no, ISSN	Date of Publishing	Impact Factor	UGC Care List Journal Yes/No	Scopus Inexed Journal Yes/No
1	Rajan Patel, Birajpal Singh, Anurag Sharma, Juhi Saraswat, <i>Neeraj Dohare</i> , Mehraj ud din Parray, Md Abrar Siddiquee, Amer M Alanazi, Azmat Ali Khan. Interaction and esterase activity of albumin serums with orphenadrine: A spectroscopic and computational approach. Journal of Molecular Structure. 2021;1239:130522.	2021	3.196	Yes	Yes
		2020			

2.	<i>Neeraj Dohare</i> , Md Abrar Siddiquee, Mehrajud din Parray, Amit Kumar, Rajan Patel. Esterase activity and interaction of human hemoglobin with diclofenac sodium: A spectroscopic and molecular docking study. Journal of Molecular Recognition. 2020;33(8): e2841.	2019	2.137	Yes	Yes
3.	<i>Neeraj Dohare</i> , Mehrajud din Parray, Md. Abrar Siddiquee, Abbul Bashar Khan, Khalid Ahmed Alzahrani, Abdulmohsen Ali Alshehri, Maqsood Ahmad Malik, Rajan Patel. Effect of adiphenine hydrochloride on the structure of bovine serum albumin: Spectroscopic and docking study. Journal of Molecular Structure. 2019; 1201:127168.	2019	3.196	Yes	Yes
4.	Manasa Kongot, <i>Neeraj Dohare</i> , Dinesh S Reddy, Neha Pereira, Rajan Patel, Mahesh Subramanian, Amit Kumar. In vitro apoptosis-induction, antiproliferative and BSA binding studies of aoxidovanadium (V) complex. Journal of Trace Elements in Medicine and Biology. 2019; 51:176-190.	2018	3.849	Yes	Yes
5.	Rajan Patel, Neha Maurya, Mehraj-ud-din Parray, Nida Farooq, Abrar Siddique, Kanak Lata Verma, <i>Neeraj Dohare</i> . Esterase activity and conformational changes of bovine serum		2.137	Yes	Yes

	<p>albumin toward interaction with mephedrone: Spectroscopic and computational studies. Journal of Molecular Recognition. 2018;31(11): e2734.</p> <p>Manasa Kongot, <b>Neeraj Dohare</b>, Vishal Singh, 2018</p> <p>Dinesh S Reddy, Nitin Kumar Singhal, Rajan Patel, Amit Kumar. A novel biocompatible NiII tethered moiety as a glucose uptake agent and a hit against methicillin-resistant Staphylococcus aureus. European Journal of Pharmaceutical Sciences. 2018; 123:335-349.</p> <p>Mehraj-ud-din Parray, Muzaffar Ul Hassan Mir, <b>Neeraj Dohare</b>, Neha Maurya, Abbul Bashar Khan, Mahendra S Borse, Rajan Patel.</p>		4.384	Yes	Yes
6.	<p>Effect of cationic gemini surfactant and its monomeric counterpart on the conformational stability and esterase activity of human serum albumin. Journal of Molecular Liquids. 2018; 260:65-77.</p> <p>Manasa Kongot, Neha Maurya, <b>Neeraj Dohare</b>, Mehraj-ud-din Parray, Jitendra Kumar Maurya, Amit Kumar, Rajan Patel.</p>		6.165	Yes	Yes
7.	<p>Enthalpy-driven interaction between dihydropyrimidine compound and bovine serum albumin: a spectroscopic and computational approach. Journal of</p>		3.549	Yes	Yes



9.	<p>Biomolecular Structure and Dynamics. 2018;36(5):1161-1170.</p> <p>Jitendra Kumar Maurya, Abbul Bashar Khan, <b>Neeraj Dohare</b>, Anwar Ali, Amit Kumar, Rajan Patel. Effect of aromatic amino acids on the surface properties of 1-dodecyl-3-(4-(3-dodecylimidazolidin-1-yl) butyl) imidazolidine bromide gemini surfactant. Journal of Dispersion Science and Technology. 2018;39(2):174-180.</p> <p><b>Neeraj Dohare</b>, Abbul Bashar Khan, Neha Maurya, Sonu Thakur, Fareeda Athar, Prashant Singh, Rajan Patel. An insight into the binding of aceclofenac with bovine serum albumin at physiological condition: A spectroscopic and computational approach. Journal of</p>	2018	1.701	Yes	Yes
10.	<p>Biomolecular Structure and Dynamics. 2018;36(2):398-406.</p> <p>Abbul Bashar Khan, Farooq Ahmed Wani, <b>Neeraj Dohare</b>, Mehraj ud din Parray, Prashant Singh, Rajan Patel. Ionic liquid influenced synergistic interaction between amitriptyline hydrochloride and cetyltrimethylammonium bromide. Journal of</p>	2018	3.549	Yes	Yes
11.	<p>Chemical &amp; Engineering Data. 2017;62(10):3064-3070.</p>	2017	2.694	Yes	Yes

	Meena Kumari, <i>Neeraj Dohare</i> , Neha Maurya, Ravins Dohare, Rajan Patel. Effect of 1-methyl-3-octyleimidazolium chloride on the stability and activity of lysozyme: a spectroscopic and molecular dynamics studies. Journal of Biomolecular structure and dynamics. 2017;35(9):2016-2030.			
12.	Taruna Sharma, <i>Neeraj Dohare</i> , Meena Kumari, Upendra Kumar Singh, Abbul Bashar Khan, Mahendra S Borse, Rajan Patel. Comparative effect of cationic gemini surfactant and its monomeric counterpart on the conformational stability and activity of lysozyme. RSC Advances. 2017;7(27):16763-16776.	3.549	Yes	Yes
13.	Jitendra Kumar Maurya, Muzaffar Ul Hassan Mir, Neha Maurya, <i>Neeraj Dohare</i> , Anwar Ali, Rajan Patel. A spectroscopic and molecular dynamic approach on the interaction between ionic liquid type gemini surfactant and human serum albumin. Journal of Biomolecular Structure and Dynamics. 2016;34(10):2130-2145.	3.361	Yes	Yes
14.	<i>Neeraj Dohare</i> , Abbul Bashar Khan, Fareeda Athar, Sonu Chand Thakur, Rajan Patel. Urea-induced binding between diclofenac sodium	3.594	Yes	Yes

15.	and bovine serum albumin: a spectroscopic insight. Luminescence. 2016;31(4):945-951. Rajan Patel, <i>Neeraj Dohare</i> , Abbul Bashar Khan. Interfacial and wetting behavior of cationic, anionic and nonionic surfactants in the absence and presence of lysozyme. Chemistry & Chemical Technology. 2016; 10(2): 179-185.	2016	2.464	Yes	Yes
16.	Rajan Patel, Meena Kumari, <i>Neeraj Doahre</i> , Abbul Bashar Khan, Prashant Singh, Maroof Ali, Amit Kumar. Interaction between pyrrolidinium based ionic liquid and bovine serum albumin: a spectroscopic and molecular docking insight. Biochemistry Analytical Biochemistry. 2016;5(265):2161-1009.	2016	NR	Yes	Yes
17.	Rajan Patel, Abbul Bashar Khan, <i>Neeraj Dohare</i> , Mohd. Maroof Ali, Hament Kumar Rajor. Mixed micellization and interfacial properties of ionic liquid-type imidazolium gemini surfactant with amphiphilic drug amitriptyline hydrochloride and its thermodynamics. Journal of Surfactants and Detergents. 2015;18(5):719-28. Upendra Kumar Singh, <i>Neeraj Dohare</i> , Prabhash Mishra, Prashant Singh, Himadri B Bohidar, Rajan Patel. Effect of pyrrolidinium	2015	NR	Yes	Yes
			1.902	Yes	Yes

18.	based ionic liquid on the channel form of gramicidin in lipid vesicles. Journal of Photochemistry and Photobiology B: Biology. 2015; 149:1-8.  Jitendra Kumar Maurya, Muzaffar Ul Hassan Mir, Upendra Kumar Singh, Neha Maurya, <b>Neeraj Dohare</b> , Seema Patel, Anwar Ali, Rajan Patel. Molecular investigation of the interaction between ionic liquid type gemini surfactant and lysozyme: A spectroscopic and computational approach. Biopolymers. 2015;103(7):406-415.  Abbul Bashar Khan, <b>Neeraj Dohare</b> , Rajan Patel Mixed Micellization Study of Adiphenine hydrochloride with 1-Decyl-3-methylimidazolium chloride. World Academy of Science, Engineering and Technology, International Journal of Chemical, Molecular, Nuclear, Materials and Metallurgical Engineering. 2015;9(3):490-494.  Abbul Bashar Khan, Maroof Ali, <b>Neeraj Dohare</b> , Prashant Singh, Rajan Patel. Micellization behavior of the amphiphilic drug promethazine hydrochloride with 1-decyl-3-methylimidazolium chloride and its thermodynamic characteristics. Journal of	2015			
19.			6.252	Yes	Yes
20.			2.505	Yes	Yes
21.			NR	Yes	Yes

22.	Molecular Liquids. 2014; 198:341-346.		6.165	Yes	Yes
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### 21. Conference Proceedings publication

S.no	Title of Paper (Year) Title of conference proceedings , Vol, series, Pg no , ISBN	Date of Publishing	Peer Reviewed Yes/No	Venue of conference

### 22. Conference Attended and Paper presentation

s.no	Type of Event	Name of Event	Venue of conference	Date of conference	Attended only Yes/no	paper presented Yes/No	Title of Paper Presented
1	International	International Interdisciplinary science conference (I-ISC,2021) on protein folding and diseases	Jamia Millia Islamia, New Delhi	8-10 Dec, 2012	No	Yes	

2.	National	National	National seminar on physics and technology of sensors	11-13 Mar, 2013	Yes		
3.	National	SYSCON-2013	All India Institute of Medical Sciences, New Delhi	23 Aug, 2013	No	Yes	
4.	National	National conference on recent trends in protein structural biology	Jamia Millia Islamia, New Delhi	16-18 Dec, 2013	Yes	No	
5.	National	National Symposium on Chemistry	Department of Chemistry, AMU, Aligarh	22 Mar, 2014	No	Yes	
6.	National	National conference on Nanotechnology and Renewable Energy	Jamia Millia Islamia, New Delhi	28-29 Apr, 2014	No	Yes	
7.	National	National Conference on recent trends in molecular virology	Jamia Millia Islamia, New Delhi	17-19 Nov, 2014	Yes		
8.	National	National Symposium on recent advances in analytical sciences and application	Jamia Hamdard, New Delhi	9-10 Feb, 2015	No	Yes	
9.	National	National Symposium on Biophysics	Jamia Millia Islamia, New Delhi	14-17 Feb, 2015	No	Yes	
10.	National	Conference on microscopy in materials science and biomimetic technology	DMSRDE, Kanpur	26-28 Feb, 2015	No	Yes	
11.	National	National Seminar on Innovative, Advance research in Bio-medical and Environmental Dynamics	Dyal Singh College, University of Delhi, Delhi	9-10 Oct, 2015	No	Yes	
12.	National	Seminar on Impact of ultrapure water on mass spectrometry and biological applications	Jamia Millia Islamia, New Delhi	23 Nov, 2015	Yes		
13.	National	National conference on interdisciplinary approaches in chemical sciences	Jamia Millia Islamia, New Delhi	16 Dec, 2015	No	Yes	
14.	National	National Seminar on Biophysics	Jamia Millia Islamia, New Delhi	16 Mar, 2017	No	Yes	
15.	National	Symposium on Flow Cytometry: Single tool for Versatile Applications	Jamia Millia Islamia, New Delhi	25 Sep, 2017	Yes		
16.	National	National Symposium and Workshop on Yoga and Meditation for the Holistic Well Being	Daulat Ram College, University of Delhi	7 Mar, 2019	Yes		

### 23. Resource Person (Invited Lecture/Paper Presentation/ Chairing session/judging/ educational trips)

S.No	Type of Event	Name of Event	Venue	Date of Event	State your role: Convener/Member organizing committee/ Speaker/ Coordinator	Duration of Activity	No of participant in the programme

#### 24. Awards Won

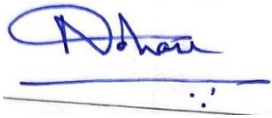
S.No	Name of Award	Awarding Agency	Government/ NGO/ International/Private	Recognition area	Date of award	Type of Honor received
1.	Best Poster	Jamia Millia Islamia, New Delhi	Government	Research	16 Dec, 2015	First prize winner in Poster Presentation
2.	Best Oral Presentation	Jamia Millia Islamia, New Delhi	Government	Research	16 Mar, 2017	First prize winner in Oral Presentation
3.	Young Scientist Award	National Agriculture Development Co-operative Ltd. (NADCL), Under ministry of cooperatives) Government of India	Government	Research	2019	Young Scientist Award-2019

#### 25. Extension Activity (Community related program)

S.No	Type of Activity	Centre and Venue	Title of Event	Role in the event	Date/period of Event	No of members of the community/students /Faculty benefitted
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**26. Membership of Professional Bodies**

S.No	Type of Membership	Organisation	Year of Membership



**Signature**