


1. Personal Details

Name	Dr. AVNEET KAUR	
Designation	ASSISTANT PROFESSOR	
Department	CHEMISTRY	
Email	avneetk11@gmail.com	

2. Educational Qualification

Degree	Institution	Year
Ph.D.	Department of Chemistry, University of Delhi	2011
M.Sc. Chemistry	St. Stephens College, University of Delhi	2007
B.Sc. (H) Chemistry	St. Stephens College, University of Delhi	2005

3. Full time teaching Experience

S.No	Designation	Institution	Time Period	Nature of Appointment
1.	Assistant Professor	Department of Chemistry, University of Delhi	1 year 6 months	Adhoc
2.	Assistant Professor	Daulat Ram College, University of Delhi	12 years	Adhoc
	Total =			Approx 14 years

4. Administrative Assignments

Name of Institute	Designation	Status	Time period	Experience
Daulat Ram College	Member	Student Advisory Board	2017-18	1 year
Daulat Ram College	Member	Eco Club, Dhara	2018-19	1 year
Daulat Ram College	Team Manager	Sports Committee	2018-2020	2 years
Daulat Ram College	Member	Data Entry team of admissions	2019	
Daulat Ram College	Member	NAAC data from Chemistry	2018-2020	2 years
Daulat Ram College	Member	Website Committee	2020-2021	1 year
Daulat Ram College	Member	Eco Club, Dhara	2021- till date	

Daulat Ram College	Member	Collating Alumni data for NIRF	2022	
Daulat Ram College	Core Committee Member	Admission Committee	2021-2022	
Daulat Ram College	Core Committee Member	Admission Committee	2022-2023	

3. Areas of Interest:

Physical Chemistry, Analytical Chemistry
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6. Subjects Taught

S.No	Course	Subject Taught	Semester	Year
1.	B.Sc. (H) Chemistry	Instrumental Methods of Chemical Analysis	VI	2023
2.	B.Sc. (H) Chemistry	Chemical Kinetics	IV	2023
3.	B.Sc. (H) Chemistry	Quantum Chemistry	V	2022
4.	B.Sc. (H) Chemistry	Instrumental Methods of Chemical Analysis	VI	2022
5.	B.Sc. (P) Life Sciences	Quantum Chemistry	VI	2021

7. E- Modules Published

S.No	Details (Authors, Title, Year, URL)	Publisher	Authored/Edited	Link
1.	Introduction to Quantum Chemistry	e-PGPathshala	Content Writer	https://epgp.inflibnet.ac.in/Home/ViewSubject?catid=5
2.	Fundamentals of Quantum Mechanics-I	e-PGPathshala	Content Writer	https://epgp.inflibnet.ac.in/Home/ViewSubject?catid=5
3	Fundamentals of Quantum Mechanics-II	e-PGPathshala	Content Writer	https://epgp.inflibnet.ac.in/Home/ViewSubject?catid=5
4	Particle in a Box	e-PGPathshala	Content Writer	https://epgp.inflibnet.ac.in/Home/ViewSubject?catid=5

5	Linear Harmonic Oscillator-I	e-PGPathshala	Content Writer	https://epgp.inflibnet.ac.in/Home/ViewSubject?catid=5
6	Linear Harmonic Oscillator-II	e-PGPathshala	Content Writer	https://epgp.inflibnet.ac.in/Home/ViewSubject?catid=5

8. Research Publications:

International

S.No	Publication details (Authors, Title of article, Journal, Volume, Issue, Year, Page range of article, URL/DOI)	Date of Publication	Impact Factor	UGC Care List Journal Yes/No	Scopus Indexed Journal Yes/No	ISSN No
1	Change in optimum genetic algorithm solution with changing band discontinuities and band widths of electrically conducting copolymers Kaur Avneet & Bakhshi A.K., Chemical Physics, 369, 2010, 122-125	2010	1.771	Yes	Yes	0301-0104
2	Band gap engineering of a ternary copolymer based on polythiophene and its derivatives using genetic algorithm', Kaur Avneet & Bakhshi A.K., International Research Journal of Pure and Applied Chemistry, 2(1), 2012, 55-67	2012	0.975	Yes	Yes	2231-3443

National

S.No	Publication details (Authors, Title of article, Journal, Volume, Issue, Year, Page range of article, URL/DOI)	Date of Publication	Impact Factor	UGC Care List Journal Yes/No	Scopus Indexed Journal Yes/No	ISSN No
1	'Molecular engineering of novel low band gap conducting polymers' Bakhshi A.K., Kaur Avneet, Arora Vinita, Indian Journal of Chemistry, 51A, 57-68.	January 2012	0.489	Yes	Yes	0975-0975
2	'Electro-active ternary copolymer design using genetic algorithm', Kaur Avneet & Bakhshi A.K., Indian Journal of Chemistry, 50A, 9-14.	January 2011	0.489	Yes	Yes	0975-0975
3	Designing of Type-I Polymeric Super - lattices using Genetic and Ant Algorithms: A Comparative Study', Kaur Avneet, Wazir Mohsineen, Garg Aparna & Bakhshi A.K., Indian Journal of Chemistry, 48A, 1652-1656	December 2009	0.489	Yes	Yes	0975-0975
4	'Tailoring electrically conducting	May 2009	0.489	Yes	Yes	0975-0975

	copolymers using genetic algorithm', Kaur Avneet & Bakhshi A.K., Indian Journal of Chemistry, 48A, 631-636.					
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10. Conference Attended and Paper presentation

S.No	Type of Event	Name of Event	Venue of conference	Date of conference (Start date – End Date)	Attended	Paper presented	No of papers presented
1.	Faculty Development Program	Safer and Greener Labs	Online – flexible mode	19 th -25 th July, 2022	Yes		
2.	Workshop	Python Programming	Department of Chemistry, University of Delhi	1-2 July, 2022	Yes		
3.	Workshop	Raising Awareness on Urban Air Quality, Climate Change, Health and e-resilience	Daulat Ram College, University of Delhi	25 th June, 2022	Yes		
4.	Workshop	Chem Draw & Chem Sketch Software Learning	Online organized by Department of Chemistry, SGT University, Gurugram, Delhi- NCR	28-29 January, 2022	Yes		
5.	Webinar	National Education Policy (2020 for Quality Higher Education	Online, Organized by Shivaji College, University of Delhi	19 Sep 2020	Yes		
6.	E- Faculty Development Programme	Empowering Teaching-Learning Process using Google Classroom and other ICT Tools	E-FDP Organized by Department of Commerce, Daulat Ram College,	21-07-2020 to 23-07-2020	Yes	-	-

			University of Delhi				
7.	National Webinar	ICT Enabled Higher Education in India: Challenges and Opportunities	GAD TLC Khalsa College	April 15,2020	Yes	-	-
8.	National Webinar	Towards Excellence in Higher Education in India in the 21 st century	GAD TLC, Khalsa College	April 29,2020	Yes		
9.	Faculty Empowerment Workshop	National Workshop on Computational Chemistry & Molecular Modelling	SGTB Khalsa College, University of Delhi	March 23,2018	Yes		
10.	National Conference	Innovations in Science and emerging challenges in Health and Environment	Organized by Department of Chemistry, Daulat Ram College, University of Delhi	20-03-2018	Yes		

11. Resource Person (Conference/seminar/ workshop/training programme/ educational trips)

S.No	Type of Event	Name of Event	Venue	Date of Event (Start Date- End Date)	State your role: Convener/Member organizing committee/ Speaker/ Coordinator	Durati on of Activit y	No of participant in the programme
1.	Skill development Program	Disease Prevention by Natural Remedies and Identification of active ingredients	Online organized by Daulat Ram college	20-27th December 2021	Resource person	3-4 hours	~80

2.	Skill development Program	Think Smart, Think Green	Online organized by Daulat Ram college	9th -14th October , 2021	Member organizing committee and Resource person	3-4 hours for 6 days	~150
3.	Skill development Program	Enhancing Learning Through ICT Tools	Online organized by Daulat Ram college	24-25 November, 2021	Course Coordinator	4 hours for 2 days	25
4.	Summer Internship Program	Research Methodology for Chemistry	Online organized by Daulat Ram college	16-05-2020 to 30-05-2020	Resource person	3-4 hours	~150
5.	Skill development Programme	Exploring Chemicals in Natural Products	Daulat Ram College	04-07-2019 to 10-07-2019	Resource person	3-4 hours	~30
6.	Skill development Programme	Exploring everyday Chemistry	Daulat Ram College	21-12-2018 to 29-12-2018	Resource person	3-4 hours	~30
7.	Science Camp (DST)	INSPIRE-DST	Daulat Ram College	17-12-2018 to 21-12-2018	Resource Person & Member of organizing committee	8 hours per day for 5 days	~200
8.	Skill development Programme	Chemistry at the helm of essential oils, cosmetics	Daulat Ram College	28-05-2018 to 11-06-2018	Resource Person	3-4 hours	~30
9.	Skill development Programme	Instrumentation, Clinical Analytical and Computational Chemistry	Daulat Ram College	31-05-2017 To 13-06-2017	Resource Person	3-4 hours	~30

AWARD AND HONOURS

- ◆ Topped in Ph.D. course work (2008).
- ◆ Topped Physical Chemistry batch in M.Sc. Chemistry (2006-2007).
- ◆ CSIR NET- eligible for Lectureship and fellowship for any Indian University, June, 2008.
- ◆ Prize for answering quiz question correctly on VIMARSH – forum of DU Science Community.
- ◆ Won third prize in the Intra-College Paper Presentation (2004).
- ◆ Executive council member of Chemistry Society (Symphoria) for the year 2004-2005.
- ◆ Participated in 24th Junior National Archery Championship (April-2002).
- ◆ Secured first position in Junior Archery Championship at the state level (June-2002).
- ◆ Participated in various cultural events at zonal level in school won prize in debates, and recitation.