


Dr. Sagarika Dev				
		Designation Assistant Professor Department name PG Department of Chemistry Email ID Sagarika.dev@gmail.com Contact Number 9888501404		
Areas of Interest				
<ul style="list-style-type: none"> Theoretical studies on weakly bound complexes 				
Educational details				
Degree	Year	University	Percentage	Medals/ Positions
Matriculation	1994	West Bengal Board of Secondary Education	89.8	
10+2	1996	West Bengal Council of Higher Secondary Education	79.8	
B.Sc.(Chemistry Hons)	1999	Calcutta University	67	
M.Sc. (Physical Chemistry specialization)	2001	Calcutta University	69.8	
PhD	2007	Indian Institute of Science		
Professional Details				
Designation	From	To	Organization	
Assistant Professor		19-12-2010	BITS Pilani	
Assistant Professor	1-02-2011	Present	MCM DAV College for Women Chandigarh	
Awards & Recognitions				
Award	Institute		Year	
UGC NET			2001	
Research Publications				
Title	Journal	Refereed	Date and Year of Publication	Online Link
Insights into the C-H...F-C Hydrogen Bond by Cambridge	RSC Advances	Yes	10.03.2015	https://pubs.rsc.org/en/content/articlelanding/2015/ra/c5ra03063c#!divAbstract

Structural Database Analyses and Computational Studies				
Highly photostable zinc selective molecular marker bearing flexible pivotal unit: opto-fluorescence enhancement effect and imaging applications in living system	Dalton Transaction	Yes	13.03.2015	https://pubs.rsc.org/en/content/articlehtml/2015/dt/c5dt00713e
Relative stabilities and the spectral signatures of stacked and hydrogen-bonded dimers of serotonin	Molecular Physics	Yes	6.07.2105	https://www.tandfonline.com/doi/full/10.1080/00268976.2015.1060365
Hydrazine responsive molecular material: Optical signaling and mushroom cell staining	Sensors and Actuators B:Chemical	Yes	31.12.2015	https://www.sciencedirect.com/science/article/pii/S092540051500859X
Dendritic Polynitrate Energetic Motifs: Development and Exploration of Physicochemical Behavior through Theoretical and Experimental Approach	ACS Omega	Yes	20.11.2017	https://pubs.acs.org/doi/abs/10.1021/acsomega.7b00880

Training Courses, Teaching-Learning-Evaluation Technology Programs, Faculty Development Programmes (not less than one week duration)

- 1) Attended 99th Orientation (GOC) course at UGC-Academic Staff College, Panjab University from 3rd September-30th September, 2013.
- 2) Attended Refresher course at UGC-Academic Staff College, Panjab University in “Environment Studies (Interdisciplinary)” from 21st March- 10th April, 2014.
- 3) Attended a Seven-day RUSA sponsored Faculty Development Program on “ICT-New Dimensions in Research and Higher Education” at MCM DAV College for Women, Sector 36, Chandigarh from 22nd Nov – 02nd December, 2016.
- 4) Attended Short term Course/Faculty Development Program at UGC-Human Resource Development Centre, Panjab University on “Gender Sensitization” from 18th -24th December, 2018.
- 5) Attended Short term Course/Faculty Development Program at UGC-Human Resource Development Centre,

Panjab University on “Research Methodology” from 25th September -1st October,2018.

- 6) Attended Refresher course at UGC-HRDC, Panjab University in “Teachers Education (Interdisciplinary) from 20th February- 5th March, 2021.

Papers/poster/oral/Convener/Awards/resource person for presentations in conference, Seminars, Workshops, Symposia

- 1) **Organizing Secretary** for National Seminar on “Bridging Gaps between Science, Nature and Society”, Department of Chemistry, MCM DAV College for Women, Chandigarh on 15th February, 2012.
- 2) **Coordinator** for a national seminar on Expanding Horizons-Interdisciplinary Approach to Chemistry on 13th February 2014.
- 3) **Coordinator** for Science Academies’ Lecture Workshop on ‘Spectroscopy- Application in Chemistry’ organized by Mehr Chand Mahajan DAV College for Women, Sector 36-A, Chandigarh in Association with Indian Academy of Sciences, Bangalore, Indian National Science Academy, New Delhi and The National Academy of Sciences, Allahabad in collaboration with Indian Academy of Science at National level on 22nd and 23rd August, 2014.
- 4) **Co-ordinator** for a UGC sponsored National seminar on “Spectroscopy-An Immense Tool in Chemistry” on 21- 22 August, 2015 at MCM DAV College.
- 5) **Member of the Organizing Committee** in MCM Science Fest “Celebration Science in Life” on 24th February, 2016 sponsored by DBT, Ministry of Science & Technology.
- 6) Participated in DBT Sponsored Workshop on Electrochemistry by Dr. Sagar Mitra, IIT Mumbai on 13th.
- 7) **Attended** for Science Academies’ Lecture Workshop on ‘Chemistry and its Multidisciplinary Facets’ organized by Post Graduate Department of Chemistry, Mehr Chand Mahajan DAV College for Women, Sector 36-A, Chandigarh in Association with Indian Academy of Sciences, Bangalore, Indian National Science Academy, New Delhi and The National Academy of Sciences, Allahabad on 24th -25th October, 2017.
- 8) Poster presentation entitled “Happiness-Interplay of Happy Chemicals” in international conference “Soul in Symphony: Spiritual and Pragmatic Aspects of Happiness” on 29th-30th January 2018.
- 9) Attended Department of Science and Technology and Renewable Energy, Chandigarh Administration sponsored one day science exhibition “Science: Past and Future” organised by PG Department of Chemistry MCM DAV College for Women on 17th March 2018.
- 10) Attended lecture-cum-workshop on “Nanoscience, Nanotechnology and its Environmental Applications” on 9th August 2018.
- 11) Attended Science Fest sponsored by DST, Chandigarh on the theme “Wonders of Science” on 4th October 2018.
- 12) Co-ordinator for the RUSA sponsored Workshop on celebrating 150th year of the periodic table on 2nd Nov, 2019.
- 13) Co-ordinator for a webinar, “The Third Alphabets of Life and Synthetic Vaccines” on 31/7/2020 by Prof. S. Eswaran, Visiting Professor, Regional Centre for Biotechnology, Faridabad.
- 14) Co-ordinator for a National Level Online Poster Making Competition on Chemical Squandering and Management on 23rd September 2020.
- 15) Co-ordinator for National Online Power Point Presentation Competition on Chemistry of Cleaning Agents on 30-31st March 2021.
- 16) Co-ordinator for Two days skill-based Lecture cum workshop on “Refreshing the basic Chemistry Lab skills post lockdown”.by Dr. Angshuman Roy Choudhury, asst. professor IISER, Mohali and Dr. Rishu Asst. Professor, MCM DAV, on 9-10th September 2021.
- 17) Attended Special lecture on “Nanoscience- A World beyond visual limits “by Dr. Nishima Wangoo Department of

applied science, UIET, Panjab university, Chandigarh, on 22nd September 2021.

- 18) Attended Webinar on “Nanotech and Future Implications” by Dr. Ashish Pal Scientist, INST, Mohali, on 22nd Feb 2022.
- 19) Co-ordinator for a poster making competition on the theme “Chemistry in other Disciplines “on 16th March 2022.
- 20) Co-ordinator for Inauguration of “Central Instrumentation Lab” setup out of DST- FIST grant with special lecture on”by Dr. Rohit Kumar Sharma Department of Chemistry Panjab University, Chandigarh, on 25th march 2022.
- 21) Co-ordinator for Organising Lecture cum Workshop on “Basic learning and Handling of Spectroscopic Techniques (UV-VIS, FTIR, NMR) , on 25th march 2022.

Teaching

a. Classes being taught in the current year:

Class	Subject	Periods	
		Assigned/Week (Lecture/ Tutorials)	Extra Classes Taken
Msc 1 st semester Chemistry	Physical	6 Theory, 18 Practicals	2 hrs/week
Msc 2 nd semester Chemistry	Group Theory and Diffraction	6 Theory, 18 Practicals	2 hrs/week