

## Dr.Ruchi Sharma

Assistant Professor, Department of Chemistry

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Academic Qualification	- M.Sc. Ph.D.
Subject Expertise	- Inorganic Chemistry, Molecular Drug Designing
Academic Experience	- Teaching – 17 Years, Research: 9 Years

### Seminar/Conferences/Workshops

#### International

1. Attended International Conference of N.I.T.T.T.R. Bhopal and presented research paper 2012.
2. Attended International conference held at S.R.C.E.M. Palwal in 2012.
3. Attended and presented a research paper in Two days International Conference on “Sustainable Development through Research in Engineering” (SDREM 2016) on Dec 26-27,2016 in YMCA University, Faridabad.
4. Presented Research Paper in One day International Conference On “New Vistas in Materials Science” at Sarah Tucker College, Tirunelveli on 7<sup>th</sup> Dec. 2017 on the Topic – “ Topological QSAR Study on a Group of Sulfonamide Inhibitors Modelling of CAI Activity”
5. Participated in International Webinar on “Laughter Yoga” Organized by SST College of ARTS and Commerce and Mumbai University and College Teachers Association (MUCTA) in association with Laughter Yoga International .
6. Participated in Three days International Webinar on “COVID-19 Outbreaks” during 15<sup>th</sup> -17<sup>th</sup> May 2020 organized by Jiwaji University , Gwalior, M.P.

#### National

7. Attended and Presented a research paper in UGC sponsored two days National Seminar on “Emerging Trends in Chemistry (NSETC-2014)” at All India Jat Heroes Memorial College Rauhtak, Haryana on 12 & 13<sup>th</sup> March 2014.
8. Attended and Presented a research paper in National Conference on “Advanced Scientific Development in chemical Sciences-2014” ASDCS-2014 at Departments of chemistry , Deenbandhu Chhotu Ram University of Science & Technology , Murthal, India on March 14, 2014.
9. Attended and presented research paper in National Seminar on “Science & Technology for all” at DAV centenary College, Faridabad on 2<sup>nd</sup> March 2015.
10. Attended National Conference at Rawal Institution, Faridabad on October 10, 2015.

11. Attended and presented research paper in National Seminar on “Frontiers in Genetics & Genomics” on Nov 22<sup>nd</sup> 2016 at M.D.U. Haryana.
12. Attended a National Seminar on “Use of Scientific & Technical Terminology in Science” at GGSDS, College, Palwal on 24<sup>th</sup> Sep 2016 Sponsored by Commission for Scientific & Technical Terminology, Govt of India.
13. Attended and presented a research paper in National Conference on Conference on “Advances in Multidisciplinary aspects of Science & Engineering (AMASE-2016)” on Nov 23, 2016 organised by DCRU, Murthal, Sonapat.
14. Attended and Presented Research Paper In two Days National Seminar on “Use of Scientific & Technical terminology in Science” Organized by Commission for Scientific and Technical Terminology at GGSDS College, Palwal on 23/09/2016-24/09/2016.
15. Participated and presented Research paper in DGHE sponsored one Days National seminar on “Women Empowerment in North-Eastern region of India” on 4<sup>th</sup> Feb 2017 at GGSDS College, Palwal, Haryana.
16. Attended and Presented Research Paper In National Seminar on Emerging Trends in Science and Technology (ETST-2017) sponsored by DGHE, Haryana in collaboration with “Intellectual Society for Socio – Techno Welfare” on 18<sup>th</sup> Feb 2017 Organized by Arya P.G. college, Panipath, Haryana.
17. Presented research paper in 2 days First Global Higher Educational Conclave “Global Innovators & Researchers Conclave” on 20<sup>th</sup> & 21<sup>st</sup> January, 2018 at DCRUST, Murthal, Haryana, India on the Topic “Sustainability of Natural or Biodyes Resources In Textiles”
18. Presented paper in One Day National Seminar on “Role of Science, Technology and Management for Employment Generation in India” at GGSDS College, Palwal, Haryana on 6<sup>th</sup> October, 2018 Sponsored by DGHE, Haryana.
19. Presented Paper in One Day National Seminar on “Recent Advances in Quality Education : Pave the Way” at GGSDS College, Palwal, Haryana on 12<sup>th</sup> January 2019 Sponsored by NAAC.
20. Presented Research Paper in Proceedings of One Day National Seminar on “Recent Advances in Quality Education : Pave the Way” at GGSDS College, Palwal, Haryana on 12<sup>th</sup> January 2019 Sponsored by NAAC. (ISBN : 978-93-85981-96-8).
21. Participated and successfully completed Two days training on “Techniques in Molecular Biology” held on 8<sup>th</sup> March 2019-9<sup>th</sup> March 2019 Organized by IIT Kharagpur at GGSDS College, Palwal.
22. Presented research paper in Two days ( 11-12 October, 2019) National Conference Sponsored by NAAC at DAV Centenary College, Faridabad, Haryana, titled “Pedagogical Methods and Technology used for Effective Learning of Chemistry- A Review”.

23. Participated in the Faculty Development Program National webinar entitled "Challenges and Opportunities before Indian Higher due to COVID -19" Education in India for the 21<sup>st</sup> Century" jointly organized by Guru Angad Dev Teaching and Learning Centre, SGTB Khalsha College , University of Delhi under the Pandit Madan Mohan Malviya National Mission on Teachers and Teaching (PMMMNMTT) of MHRD on 02<sup>nd</sup> May , 2020.
24. Participated in the Faculty Development Program National webinar entitled " Challenges and Opportunities in Higher Education in India for the 21<sup>st</sup> Century" jointly organized by Guru Angad Dev Teaching and Learning Centre, SGTB Khalsha College , University of Delhi under the Pandit Madan Mohan Malviya National Mission on Teachers and Teaching (PMMMNMTT) of MHRD and IQAC , Hindu College , University of Delhi on 08<sup>th</sup> Mey , 2020.
25. Attended National Webinar organized by GGSDS College , Palwal on June 13,2020.
26. Attended one day National Webinar entitled " Higher Education Reforms in National Education Policy-2020" jointly organized by Guru Angad Dev Teaching and Learning Centre, SGTB Khalsha College , University of Delhi under the Pandit Madan Mohan Malviya National Mission on Teachers and Teaching (PMMMNMTT) of MHRD and Shri Jagadguru Chandrashekhara Bharati Memorial College , Sringeri, Karnataka on 04<sup>th</sup> Sep. 2020.
27. Participated in one day National Webinar entitled "Promotional Avenues for Teachers in Higher Education: CAS Regulations -2018" organized by Guru Angad Dev Teaching and Learning Centre, SGTB Khalsha College , University of Delhi under the Pandit Madan Mohan Malviya National Mission on Teachers and Teaching (PMMMNMTT) of MHRD and Shri Jagadguru Chandrashekhara Bharati Memorial College , Sringeri, Karnataka on 05<sup>th</sup> Sep. 2020.
28. Attended Two days Webinar on " Advanced Materials for Energy Storage and Fuel Cell Application" organized by School of Physics ,Gangadhar Meher University , Amruta Vihar , Sambhalpur – 768004, Odisha , India during 6<sup>th</sup> -7<sup>th</sup> sep 2020.
29. Attended the Webinar on Women Empowerment " Under the Umbrella of Pink : Exploring Feminism" organised by DAV Institute of Management , Faridabad on 30<sup>th</sup> Jan 2021.

## **FDP**

1. Participated and successfully completed Five days “ Professional Development Programme on Scholarly Publications” organized by DAV Centenary College, Faridabad, Haryana from 10<sup>th</sup> – 14<sup>th</sup> August 2020.
2. Attended TEQIP-III Sponsored Online one week short term Course on Plastic Waste : Environmental Impacts , Recycling & Management- 1<sup>st</sup> -5<sup>th</sup> March 2021(5 days).
3. Attended 7 Days( 11/03/2021-17/03/2021) Faculty Development Programme on Introducing NAAC Revised Accreditation Framework and Quelling the Quest under PARAMARSH Scheme of UGC organised by Aggarwal College Ballabgarh.

## **Refresher / ORIENTATION COURSES**

1. Participated in the 112<sup>th</sup> 4 Week Orientation Programme from 6<sup>th</sup> April to 2<sup>nd</sup> May 2015 and obtained “ grade A” at UGC –HRDC, Jamia Millia Islamia, New Delhi.
2. Attended 4 week ( 27 days ) **Refresher Course** at JNU ,New Delhi from 02/01/2017 to 27/01/2017 and secure A+ grade.
3. Participated in UGC sponsored Two-Week online subject refresher course on Chemistry conducted by UGC-HRDC , GJUS&T, Hisar w.e.f 28-09-2020 to 10-10-2020 and obtained grade A+ .

## **Symposium-**

1. Attended the 71st Annual session of the national Academy of Sciences, India, held at the Univ. of PUNE (Maharashtra).
2. Attended Science Conclave -2014, on 16<sup>th</sup> -17<sup>th</sup> April , 2014 at YMCA University Of Science & Technology, Faridabad.
3. Attended National science Marathon held at DAV College Faridabad.

## **Member**

Member of Advisory Board of National Seminar on “ **Utility of Basic Sciences for Engineers**” UNSE-2015 held at B.S. Anangpuria Institute Of Technology & Management, Faridabad.

## **Professional Enhancement Programmes**

1. Organized One Day National Seminar on “Role of Science ,Technology and Management for Employment Generation in India” at GGSDS College , Palwal, Haryana on 6<sup>th</sup> October ,2018 Sponsored by DGHE , Haryana as Organising Secretary.
2. Organized One Day workshop on collaboration with District Legal service Authority , Palwal “UDAAN –LET ME FLY” On Prohibition of Child Marriage under the

Guidance of Chief Judicial Magistrate Dr Kavita . Panel Advocate Jagat Rawat and Mr. Narendra Singh gave the legal information On 20<sup>th</sup> March 2018.

3. Organized four days workshop on “Employability” on collaboration with CEQUIN an NGO which help the participants to have a meaningful interaction and provide them an opportunity to update their knowledge On 4Feb-7 Feb 2019.
4. Organized a Seminar on 18<sup>th</sup> feb 2021 on “Challenges in 21<sup>st</sup> Century: Women Perspective”.
5. Organized a seminar on 24<sup>th</sup> Feb 2021 to celebrate Central Excise Day and aware the students to commemorate the Central Excise to honour the contribution of the Central Board of Indirect Taxes and Customs (CBIC) to the country.
6. Organized Guest Lectur/ Quiz/Debate/Poster Making /Declamation completions and many National level online completions during Lockdown.

### **Evaluation**

1. Acted as Judge in Swarnima Interschool theme competitions at St. John’s School, Sec-7, Faridabad on 3<sup>rd</sup> Nov 2015.
2. Chaired the Seminar Presentation in 3- Week Special Summer School on 22<sup>nd</sup> may 2015 at UGC – HRD Centre Jamia Millia Ishlamia, New Delhi.
3. Chaired the Seminar Presentation in 3- Week Special Summer School on 5<sup>th</sup> Sep 2015 at UGC – HRD Centre, Jamia Millia Ishlamia, New Delhi.
4. Chaired the Seminar Presentation in 113<sup>th</sup> 4 week orientation program from 28<sup>th</sup> july to 25<sup>th</sup> Aug 2015 at UGC – HRD Centre, Jamia Millia Ishlamia, New Delhi.
5. Chaired the essay writing competition Sponcered by Haryana State Council for Science and technology organized in Govt College, Hodel on 30<sup>th</sup> Aug 2016.
6. Chaired the essay writing competition Sponcered by Haryana State Council for Science and technology organized in Govt College, Hodel on 19<sup>th</sup> Nov Aug 2017.
7. Chaired the Swarnima -2018 Interschool theme competitions at St. John’s School, Sec-7, Faridabad on 3<sup>rd</sup> Nov 2018.
8. Paper Setter for the class B.Sc., 5<sup>th</sup> Semester, Inorganic Chemistry in Chaudhary Ranbir Singh University, Jind, Haryana in December 201
9. Chaired the District level Essay Writing Competition Organised by DGHE, Haryana at Govt College, Hodal, Haryana on 13/01/2020

**Publications** 7 papers (5-International, 2-National)

### **International**

1. Quantitative Structure Activity Relationship Studies on- Phenyl-3-ureido-1, 5-benzodiazepine as Cholecystokinin- A Receptor Antagonists. Vijay K. Agrawal, Ruchi Sharma & P.V. Khadikar Bioorganic & medicinal chemistry 10 (2002) 3571-3581.

2. QSAR Studies on Ant malarial Substituted Phenyl Analogues and Their Nw - Oxides. Vijay K. Agrawal, Ruchi Sharma & P.V. Khadikar Bioorganic & medicinal chemistry 10 (2002) 1361-1366.
3. QSAR Studies on Carbonic Anhydrase Inhibitors: A case of Ureido and Thioureido Derivatives of Aromatic/Heterocyclic Sulfonamides. Vijay K. Agrawal, Ruchi Sharma & P.V. Khadikar Bioorganic & medicinal chemistry 10 (2002) 2993-2999.
4. Studies On Flavins As Potential Antimalarials. Vijay K. Agrawal, Ruchi Sharma & P.V. Khadikar Oxidation Communications 26, No.2 (2003) 186-192.
5. Quantitative Structure Activity Relationship (QSAR) Studies on Carbonic Anhydrase Inhibitors – A case of 5-substituted ,3-thiophene sulphonamide) on 15 Aug 2014. “International Journal of recent scientific research” Dr. Ruchi Sharma & Hemant Gaur

### **National**

1. 1. Topological Estimation Of Cytotoxic Activity Of Some Anti-HIV Agents: HEPT Analogues. Vijay K. Agrawal, Kamles Mishra, Ruchi Sharma & P.V. Khadikar J. Chem. Science 116, No.2 (2004) 93-99.
2. 2. QSAR Study on Antiviral Activity of Ester Prodrugs of 6- Methoxypurine arabinosides. Vijay K. Agrawal & Ruchi Sharma Indian journal of chemistry 41A(2002)1163-1166 .

### **Research Papers in Proceedings**

1. Published Research Paper in Proceedings of International Conference of N.I.T.T.T.R. Bhopal and presented research paper 2012.
2. Published Research Paper in Proceedings of One day International Conference On “New Vistas in Materials Science” at Sarah Tucker College, Tirunelveli on 7<sup>th</sup> Dec. 2017 on the Topic – “ Topological QSAR Study on a Group of Sulfonamide Inhibitors Modelling of CAI Activity”
3. Published Research Paper in Proceedings of One Day National Seminar on “Recent Advances in Quality Education : Pave the Way” at GGSDS College , Palwal, Haryana on 12<sup>th</sup> January 2019 Sponsored by NAAC.( ISBN : 978-93-85981-96-8).
30. Published Research Paper in Proceedings of Two days International Conference on “Sustainable Development through Research in Engineering” (SDREM 2016) on Dec 26-27, 2016 in YMCA University, Faridabad.

