

CURRICULUM VITAE

Dr. SHWETA RASTOGI

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Department : Chemistry

Current Designation : Assistant Professor

Award : Received "**Dr. Virendra B. Mahesh Award**" (2002–2005), Department of Chemistry, University of Delhi, Delhi-110007, India.

Field of Specialisation : Organic Chemistry

Academic Qualifications : B.Sc. Chemistry (Hons.), M.Sc. Chemistry, NET(Chemical Sciences), M.Phil. (Chemistry) Ph.D. (Chemistry)

Google Scholar Index : Citations: 426
H-index: 11
i10-index: 17

Teaching Experience : More than 14 years

Membership of Learned Bodies :

- Chemical Research Society of India (CRSI) LM 926, c/o of Department of Chemistry, Indian Institute of Science, Bangalore - 560012.
- Asian Polymeric Association (APA) L339, c/o of Department of Textile Technology, Indian Institute of Technology, New Delhi -110016.
- Lifetime membership of Indian Society of Analytical Scientists - Delhi Chapter (ISAS-DC), LMT: 2016/13, c/o Indian Oil Corporation Limited, Research & Development Centre, Sector-12, Faridabad-121007.

Refresher Course / FDP/Orientation Programs Attended :

- Successfully completed a 2-Week Faculty Development Programme on "Managing Online Classes and Co-creating MOOCs 3.0" and obtained grade (A+) organized by Teaching Learning Centre, Ramanujan College, University of Delhi under the aegis of Pandit Madan Mohan Malviya National Mission on Teachers and Training, PMMMNMT from 25th July-10th August 2020.
- Participated in three days Faculty Development Programme on "Fundamentals of Intellectual Property Rights" organised by Mahatma Hansraj Faculty Development Centre, a centre of MHRD, Govt. of India under Pandit Madan Mohan Malviya National Mission on Teachers and Training (PMMMNMTT), Hansraj College, Delhi on 23-25th Jan. 2020.
- Participated in National leadership summit on " Excellence in Higher Education: Current Challenges and the Road Ahead" organised by Mahatma Hansraj Faculty Development Centre, a centre of MHRD, Govt. of India under Pandit Madan Mohan Malviya National Mission on Teachers and Training (PMMMNMTT), Hansraj College, Delhi on 06-07th Dec. 2019.
- Participated in two days Faculty Development Programme on " Investing in Stock Markets" organised by Mahatma Hansraj Faculty Development Centre, a centre of MHRD, Govt. of India under Pandit Madan Mohan Malviya National Mission on Teachers and Training PMMMNMTT), Hansraj College, Delhi on 18-19th Nov. 2019.
- Participated in one day workshop on "Soft Skill Development in New Age Teaching" organised by Mahatma Hansraj Faculty Development Centre, a centre of MHRD, Govt. of India under Pandit Madan Mohan Malviya National Mission on Teachers and Training (PMMMNMTT), Hansraj College, Delhi on 19th Oct. 2019.
- Participated in one day National Seminar on "Draft New Education Policy, 2019" organised by Mahatma Hansraj Faculty Development Centre, a centre of MHRD, Govt. of India under Pandit Madan Mohan Malviya National Mission on Teachers and Training (PMMMNMTT), Hansraj College, Delhi on 10th Aug. 2019.
- Successfully completed two days Faculty Development Programme on " Agriculture, Health & Society" interdisciplinary organised by Mahatma Hansraj Faculty Development Centre, a centre of MHRD, Govt. of

India under Pandit Madan Mohan Malviya National Mission on Teachers and Training (PMMMMNMTT), Hansraj College, Delhi from 15th-16th Mar. 2019.

- Successfully completed Annual Refresher Programme in Teaching (ARPIT) – March 2019 with the subject name as Online Refresher Course in Chemistry for Higher Education Faculty conducted by SWAYAM, MHRD from Nov. - March 2019 with the score 90 (A Grade).
- Successfully completed two weeks Faculty Development Programme on “ Challenges before the academia in the era of Gadgets, E-communication & Artificial Intelligence” interdisciplinary organised by Mahatma Hansraj Faculty Development Centre, a centre of MHRD, Govt. of India under Pandit Madan Mohan Malviya National Mission on Teachers and Training (PMMMMNMTT), Hansraj College, Delhi from 15th Dec. to 28th Dec. 2018.
- Successfully completed UGC sponsored HRDC, CPDHE Refresher Course in Contemporary Studies from 7th June to 27th June 2016.
- Successfully completed UGC sponsored HRDC, CPDHE Orientation Programme (OR-82) conducted by Centre for Professional Development (CPDHE), UGC-HRDC, University of Delhi, from 17th Nov. to 15th Dec. 2015.
- Workshop on Theory & Practical Course “Biochemistry & Environmental Chemistry”, Department of Chemistry, University of Delhi, Delhi- 110007, India, 02-07th July, 2012.
- Linux FOSS & Clustering Workshop, Acharya Narendra Dev College, University of Delhi Govindpuri, Kalkaji, Delhi-110019, India, 5-7th Jan., 2009.
- WikiEd09-Workshop on Open Educational Resources, Acharya Narendra Dev College, University of Delhi, Govindpuri, Kalkaji, Delhi-110019, India, 09-13th Jan., 2009.

Reviewer : “Frontiers in Heterocyclic Chemistry” Science Publishing Group, USA.

<http://www.sciencepublishinggroup.com/journal/peerreviewers?journalid=341>

“American Journal of Applied Chemistry”, Science Publishing Group, USA.

<http://www.sciencepublishinggroup.com/journal/peerreviewers?journalid=227>

Administrative Experience :

2020-2021

- Convener of ECA society, Hansraj College, University of Delhi, Delhi-110007. (Record is with Hansraj College administration)
- Organizer of the cultural program for the 73rd Foundation Day online program on Zoom platform held on 26th July 2020.
- Organizer of the cultural program for the 74th Independence day online celebration on Zoom platform on 15th August 2020, Hansraj College, University of Delhi, Delhi-110007.
- Member of Instrumentation committee of the Department of Chemistry, Hansraj College, University of Delhi, Delhi-110007.

2019-2020

- Convener of ECA society, Hansraj College, University of Delhi, Delhi-110007.
- Resource person for the IGNOU Chemistry Practicals from 06th Jun 2019-13th Jun 2019 and 14th Jun 2019-24th Jun 2019.
- Resource person for the IGNOU Chemistry Theory in May 2019.
- Resource person in the two day workshop “Hands on Training Program for the Laboratory Staff” held on 13th and 15th June 2019 in the Department of Chemistry, Hansraj College, University of Delhi, Delhi – 110007.
- Member of Instrumentation committee of the Department of Chemistry, Hansraj College, University of Delhi, Delhi-110007.
- Organizer of the College Orientation Day Programme, Interaction Program with Beginners “KNOW YOUR COLLEGE, KYC” on 19th July 2019 as Convener of ECA, Hansraj College, University of Delhi, Delhi-110007 in the capacity of Convener of ECA, Hansraj College
- Organizer of the cultural program for the 73rd Independence day celebration on 14th August 2019, Hansraj College, University of Delhi, Delhi-110007 in the capacity of Convener of ECA, Hansraj College
- Organizer of the “Teachers’ Day Celebration” on 5th September 2019 as ECA Convener, Hansraj College, University of Delhi, Delhi-110007 in the capacity of Convener of ECA, Hansraj College
- Organizer of the Mehandi Competition held on 16th Oct. 2019, Hansraj College, University of Delhi, Delhi-110007 in the capacity of Convener of ECA, Hansraj College

- Member of the Organising Committee in the program jointly organized by Hansraj College, University of Delhi and Kailash Satyarthi Children's Foundation on 31st October 2019, Thursday in commemoration of 5years of Nobel Peace Prize Winner for children by Shri Kailash Satyarthi. in the capacity of Convener of ECA, Hansraj College
- Convener of the campaign "Design Your Destiny" conducted by the youth wing of Brahma Kumaris, Dr. Aditi Singhal held on 12th Jan. 2020, Hansraj College, University of Delhi, Delhi-110007 in the capacity of Convener of ECA, Hansraj College
- Member of organizing committee in the National Seminar on "Environment and Sustainability in the Third World" organized by Department of Chemistry and IQAC, Hansraj College, University of Delhi on 28th Feb. 2020.
- Convener of the 72nd Sports and ECA Annual Prize Distribution Ceremony held on 6th March 2020, Hansraj College, University of Delhi, Delhi-110007 in the capacity of Convener of ECA, Hansraj College.
- Presiding Officer in the elections of office bearers of Delhi University Students' Union and members of Central Council Committee.

2018-2019

- Co-convener of ECA society, Hansraj College, University of Delhi, Delhi-110007.
- Co-convener of Undergraduate admissions under ECA category, Hansraj College, University of Delhi, Delhi-110007 in the capacity of ECA co-convener, Hansraj College.
- Organizer and conductor of the Centralised ECA trials' of the University of Delhi for undergraduate admissions under Creative Writing Category of ECA in the capacity of ECA co-convener, Hansraj College.
- Certificate Evaluator for Creative Writing Hindi and English for the centralized ECA trials' of the University of Delhi for Undergraduate admissions in 2018 under ECA category in the capacity of ECA co-convener, Hansraj College.
- Member of Canteen committee, Staff Council Committee, Hansraj College, University of Delhi, Delhi-110007.
- Member of Haritima, The Environmental Awareness Society, Staff Council Committee, Hansraj College, University of Delhi, Delhi-110007.
- Member of Instrumentation Committee, Department of Chemistry, Hansraj College, University of Delhi, Delhi-110007.
- Resource Person for the IGNOU Chemistry practicals from 15th May 2018-31st May 2018.
- Organizer of the College Orientation Day Program on 20th July 2018 in the capacity of ECA co-convener, Hansraj College, University of Delhi, Delhi-110007 in the capacity of ECA co-convener, Hansraj College.
- Member of the committee for 71st Foundation day program held on 26th July 2018 in the capacity of ECA co-convener, Hansraj College.
- Organiser of the cultural program on the 71st Foundation day program held on 26th July 2018 in the capacity of ECA co-convener, Hansraj College.
- Organizer of the 72nd Independence day celebration on 14th August 2018 in the capacity of ECA co-convener, Hansraj College, University of Delhi, Delhi-110007 in the capacity of ECA co-convener, Hansraj College.
- Resource person in the one-day Skill Enhancement Workshop (SEW'18) entitled "Celebrating Diwali with 3R's: An ecofriendly Perspective" held on 29th Oct. 2018 in Hansraj College, University of Delhi, Delhi.
- Convener in the one-day Skill Enhancement Workshop (SEW'18) entitled "Celebrating Diwali with 3R's: An Ecofriendly Perspective" held on 29th Oct. 2018 in Hansraj College, University of Delhi, Delhi- 110007.
- Organizer of a one-day Eco-Walk, an educational field trip to Kamla Nehru Ridge Park for the students of B. A. (H) Economics and Sanskrit Iyear Isem in lieu of carrying out their field work as a part of their curriculum of Environmental Studies paper under CBCS scheme on 1st Nov. 2018.
- Member of the organising committee for the 1st International Conference on Integrative Chemistry, Biology and Translational Medicine (ICCBTM - 2019) organised by Centre for Global Health, Hansraj College, University of Delhi & Loyola University Chicago Strich School of Medicine, USA held in Hansraj College, University of Delhi on 25th - 26th Feb. 2019.
- Member of the committee for the Annual Day Prize Distribution Ceremony held on 9th -10th April 2019 in the capacity of ECA co-convener, Hansraj College.
- Organizer of the cultural program for the Annual Day Prize Distribution Ceremony held on 9th -10th April 2019 in the capacity of ECA co-convener, Hansraj College.
- Served as a mentor of Chemistry (Hons.) I year I sem. students in the Mentor-Mentee week, IQAC 2017 on 20th September 2018.
- Presiding Officer in the elections of office bearers of Delhi University Students' Union and members of Central Council Committee.

2017-2018

- Resource person in the one day workshop on “Chemistry Laboratory Working Skills and Safety Education ” for non-teaching staff organised by IQAC and the Department of Chemistry, Hansraj College on 17th July 2017.
- Admission in-charge for undergraduate admissions of
 - a) B.Sc. Physical Sciences (Computer Science),
 - b) B.Sc. Physical Sciences (Chemistry) and
 - c) B.Sc. (Hons.) Geology.
- Served as a mentor of Chemistry (Hons.) I year I sem. students in the Mentor-Mentee week, IQAC 2017 on 10th July 2017 from 2:00 – 3:00P.M. Member of the refreshment committee in
 - a) the 70th Foundation Day Celebration held on 26th July 2017
 - b) During the NAAC visit on 3rd and 4th July 2017.
- Convener of the Chemical Society of the Department of Chemistry, Rasayantva of Hansraj College, University of Delhi.
- Convener and editor of the magazine, Equilibrium (Issue IV) of the Chemical Society of the Department of Chemistry, Rasayantva of Hansraj College, University of Delhi, Delhi-110007.
- Member of the organising committee in the INSPIRE program (DST) held at Hansraj College, University of Delhi, Delhi- 110007 from 12 - 17th Feb. 2017.
- Member of Criterion III, National Assessment and Accreditation Council, NAAC committee, Hansraj College, University of Delhi.
- Member of Organising committee of Confluence, Annual Festival of Hansraj college, University of Delhi, during the academic session 2017-2018.
- Presiding Officer in the elections of office bearers of Delhi University Students’ Union and members of Central Council Committee.

2016-2017

- Member of Chemical Society, Department of Chemistry, Hansraj College, University of Delhi, Delhi-110007.
- Member of Instruments Committee, Department of Chemistry, Hansraj College, University of Delhi, Delhi-110007.
- Coordinator in the one-day Skill Enhancement Workshop (SEW’17) on “Chemistry, Environment & you” organized by the Department of Chemistry in association with IQAC, Hansraj College, University of Delhi, Delhi on 25th Feb. 2017, Hansraj College, University of Delhi, Delhi-110007.
- As a Member looked after and ensure smooth conducting of the Chemical Society activities on 5th March 2017 from 10:00 A.M. to 2:00 P.M. in the L.P. area, on 6th March 2017 from 1:00 P.M. to 4:00 P.M. in seminar room, from 10:00 A.M. to 12:00 P.M. in room no. A-203 & A-104 during Annual Student Union festival in the College, Confluence 2017 held from 3rd – 6th March 2017 in Hansraj College, University of Delhi, Delhi-110007.
- Served as Convener on 6th March 2017 from 2:00 P.M. to 8:00 P.M. in Annual Student Union festival in the College, Confluence’17 held from 3rd – 6th March 2017 in Hansraj College, University of Delhi, Delhi-110007.
- Member of refreshment committee in the 69th Annual Day Prize Distribution function of Hansraj College, University of Delhi held on 10th and 13th April 2017.
- Served as a mentor of Chemistry (Hons.) III year VI sem. students in the Mentor-Mentee week, IQAC 2017 on 10th Jan. 2017 (Tuesday) in room no. B3 and 13th Jan. 2017 (Friday) in chemistry lab 5 from 2:00 P.M. to 3:00 P.M..
- Member of Spic-Macay Committee, Staff Council committee, Hansraj College, University of Delhi.
- Member of Students’ Welfare and Discipline Committee, Staff Council committee, Hansraj College, University of Delhi.
- Students’ Counselling for admission duty from 2nd - 6th June, 2016, IQAC committee, Hansraj College, University of Delhi, Delhi-110007.
- Member of Criterion III, National Assessment and Accreditation Council, NAAC committee, Hansraj College, University of Delhi.
- Presiding Officer in the elections of office bearers of Delhi University Students’ Union and members of Central Council Committee.

2015-2016

- Member of Chemical Society, Department of Chemistry, Hansraj College, University of Delhi.
- Co-convener of Life Science society, Scienza di Vita, Hansraj College, University of Delhi.

- Resource Person of the workshop entitled “Application of Analytical Techniques in Biochemistry” under the aegis of DBT Star college programme from 15-17th July 2015.
- Member of organizing committee in Indo-Portugese workshop on “ Emerging Trends of Nanotechnology in Chemistry and Biology (INCB-2016) held on 12-13th Feb. 2016 organized by Hansraj college and Deshbandhu college, University of Delhi in association with CQM, University of Madeira, Portugal.
- Member of organizing committee in the National seminar on “Role of Analytical Sciences in Sustainable Development” held on 4-5th March 2016 organised by Hansraj College, University of Delhi (RASSD-16) in association with ISAS-DC.
- Member of Admission Committee for the admissions of B.Sc. Program Life Sciences, Hansraj College, University of Delhi.
- Member of Academic Affairs and Seminar Committee, Staff Council committee, Hansraj College, University of Delhi.
- Member of Criterion III, National Assessment and Accreditation Council, NAAC committee Hansraj College, University of Delhi.
- Organizer of a one-day Eco-Walk, an educational field trip to Kamla Nehru Ridge Park for the students of B. Sc. (Hons.) Physics Iyear IIsem in lieu of carrying out their field work as a part of their curriculum of Environmental Studies paper under CBCS scheme on 5th April 2016.
- Organizer of the educational field trip for B. Sc. (Hons.) Electronics and B. Sc. (Hons.) Chemistry Iyear I semester on 11th March 2016.
- Organizer of a one-day Eco-Walk, an educational field trip to Kamla Nehru Ridge Park for the students of B. Sc. Life Sciences Iyear IIsem in lieu of carrying out their field work as a part of their curriculum of Environmental Studies paper under CBCS scheme on 2th April 2016.
- Presiding Officer in the elections of office bearers of Delhi University Students’ Union and members of Central Council Committee.

2014-2015

- Organizer of the educational field trip to Kamla Nehru Ridge Park for the students of B. Com. (Hons.) Iyear II semester in lieu of carrying out their field work as a part of their curriculum of Environmental Studies paper on 8th April 2015.

Before 2014:

- Judge in “Paper Mache” competition in the annual inter-college chemistry festival, Catalysis in Hindu College, University of Delhi, Delhi-110007 on 5th March 2013.
- Judge in “Just-a-min” competition in the annual inter-college cultural festival, Lehren in Kalindi College University of Delhi, Delhi-110008 on 29th Feb. 2012.
- Convenor in 2010 for the admissions of Undergraduate course, B.SC. (Hons.) Chemistry for the academic session, 2010-2011 in Shivaji College, University of Delhi, New Delhi-110027.
- Member of Garden Committee and cultural committee in Shivaji College 2010-2011
- Pro-active member of the Annual Day Function and College Festival in Acharya Narendra Dev College, University of Delhi, New Delhi-110019. As an event manager, single- handedly done the back stage arrangements viz.,floral stage décor, seating plan, lamp lighting, etc. during the academic sessions, 2007-2008 and 2008-2009.
- Participated in organizing conferences / symposia at the college level as well as at the university level (2005-2007)
- Contributed in the capacity of the member of Magazine Committee and College Prospectus Committee in Acharya Narendra Dev College (2007-2008, 2008-2009).
- Students’ Welfare: Serve as a mentor, advisor on personal level.
- Member of Garden committee and cultural committee during the academic session 2010-2011.
- Member of the funding committee of the Chemical Society of the department of Chemistry.
- Presiding Officer in the elections of office bearers of Delhi University Students’ Union and members of Central Council Committee.

Project Undertaken: Successfully completed Innovation Project (HRC-308) entitled “Engineered Biocompatible Organic Nanoarchitectures: A New Paradigm for Disinfections” 2015-2016.

Presentations:

- Invited talk on “Synthesis and Characterisation of Palladium nanoparticles using *Azadirachta indica* leaf extract” in the International Conference on Liquid Crystals, Liquid Crystalline Polymers and Nanosystems held at Mahatma Gandhi University Kottayam, Kerala, India during 13-15th December 2019.
- Poster Presentation on “Biosynthesis of Gold Nanoparticles” in the 6th International Congress of Society for Ethnopharmacology (SFEC 2019) organised by Manipal College of Pharmaceutical Sciences and Centre for Integrative Medicine and Research in association with Society for Ethnopharmacology held at Manipal College of Pharmaceutical Sciences, MAHE, Manipal on 8- 10th Feb., 2019.
- Oral Presentation on “Synthesis and Characterisation of Palladium Nanoparticles using *Origanum majorana* (Marua) Leaf Extract” in the 6th World Congress on Nanomedical Sciences ISNSCON-2018 on Chemistry Biology Interface Synergistic in New Frontiers (CBISNF - 2019) & Science & Technology for the Future of Mankind organised by Jamia Hamdard & University of Delhi held at Vigyan Bhawan on 7-9th Jan. 2019.
- Oral Presentation on “Biosynthesis of Gold Nanoparticles synthesised via the plant of *Ruta graveolens*” in the International Conference of Pharmacology & Drug Delivery on “Pharmacology for Future: Towards Translational Approach for Next Generation Pharmacologists” supported by Science and Engineering research Board, Govt. of India, organised by Maharaja Agrasen School of Pharmacy & Maharaja Agrasen School of Basic & Applied Sciences held at Maharaja Agrasen University on 8-10th Oct. 2018.
- Oral Presentation on “Synthesis and characterisation of silver nanoparticles using *Momordica charantia*” in the conference - cum – workshop on Molecular Imaging & Drug Delivery (MIDD - 2018) organised by JH- Institute of Molecular Medicine, School of Interdisciplinary Sciences & Technology Jamia Hamdard, New Delhi on 26-27th March 2018.
- Poster Presentation on “Sustainable Alternative Solvents and their application in lab experiments for undergraduate students” in UGC sponsored national conference on “Innovations in Chemistry Laboratory Teaching” organised by the department of Chemistry, Zakir Husain Delhi College, University of Delhi on 8-9th Feb., 2017 published as conference proceedings with ISBN 978-163535361-7 Enriched Publications Pvt. Ltd..
- Poster Presentation on “Biosynthesis and Characterisation of Gold and Silver Nanoparticles using *Wedelia Chinensis Merrill* (Peela Bhangra) Leaf Extract” in 19th CRSI national symposium in Chemistry organised by Department of Chemistry, University of North Bengal, India held on 14-16th Jul., 2016.
- Poster Presentation on “Controlled Aqueous Phase Synthesis of Gold Nanoparticles using Fruit Extract of *Momordica charantia*” in Indo- Portugese Workshop on Emerging Trends of Nanotechnology in Chemistry and Biology (INCB-2016) organised by Department of Chemistry, Hansraj College and Deshbandhu College, University of Delhi, Delhi-110007, India in association with CQM, University of Madeira, Portugal held on 12-13th Feb., 2016 published as conference proceedings in J. Mat.Nanosci. 2016, 3(1), S21 {ISSN: 2394-0867 IF 6.2} Integrated Science Publishing.
- Oral Presentation on "Green Route to the Synthesis of Substituted Imidazothiadiazoles using Ionic Liquid" in IUPAC Sponsored Second International Conference on Green/ Sustainable Chemistry (2006), Department of Chemistry, University of Delhi , Delhi-110007, India 10-13th Jan., 2006.
- Poster Presentation on “Exploration of Paal Knorr Reaction: Synthesis of Novel Pyrrolo[2,3-*d*]pyrimidines” in IUPAC Sponsored Second International Conference on Green / Sustainable Chemistry (2006), Department of Chemistry, University of Delhi , Delhi-110007, India held on 10-13th Jan., 2006.
- Poster Presentation on “ Biosynthesis of Gold Nanoparticles using dried peel of *Citrus sinensis*” in International Conference on Interface between Chemistry and Environment, Ramjas College, University of Delhi, Delhi- 110007, India, 13-14th Dec., 2012.
- Model Presentation on “Water Purification Methods” in science exhibition “Communicating and Exploring Science: Experience of Delhi University Colleges in 84th Indian Science Congress” (1997), Department of Physics, University of Delhi , Delhi- 110007, India held on 08-10th Jan., 1997.

Webinars Attended :

- One Day Webinar on “Role of ICC and Prevention, Prohibition and Redressal of Sexual Harassment at Work Place” organised by ICC Hansraj College in collaboration with IQAC, Hansraj College, University of Delhi on 22nd May 2020.
- Webinar on “Higher Education in India: Pandemic Paradigms”, organised by Internal Quality Assurance Cell (IQAC), Dyal Singh College, University of Delhi on 20th May 2020.

- Webinar series on “Quality Assurance in Higher Education: Practices and Issues” organised under the aegis of the UGC Paramarsh scheme (A UGC scheme for mentoring NAAC accreditation aspirant institutions to promote quality assurance in higher education) in collaboration with IQAC, Hansraj College, University of Delhi from 4th -8th May 2020.
- Three Days Webinar on “Stress Management during Covid-19 Phase” organised by Mahatma Hansraj Faculty Development Centre, a centre of MHRD, Govt. of India under Pandit Madan Mohan Malviya National Mission on Teachers and Training(PMMMNMTT), Hansraj College, University of Delhi held on 1st - 3rd May 2020.
- One Day Webinar on “Strengthening the immune system with Naturopathy” organised by Department of Botany and Internal Quality Assurance Cell (IQAC), Hansraj College, University of Delhi on 06th May 2020.
- International webinar on “Psychological Well-being and Covid-19: An internal Journey” under the aegis of IQAC, Shivaji College organised by Women Development Cell, Shivaji College, University of Delhi on 7th May 2020.
- One Day Webinar on “Leadership Role in Uncertain Times” organised by Mahatma Hansraj Faculty Development Centre, a centre of MHRD, Govt. of India under Pandit Madan Mohan Malviya National Mission on Teachers and Training (PMMMNMTT), Hansraj College, University of Delhi held on 30th April 2020.
- One Day Webinar on “Teachers and Technology: The Road Ahead” organised by Mahatma Hansraj Faculty Development Centre, a centre of MHRD, Govt. of India under Pandit Madan Mohan Malviya National Mission on Teachers and Training (PMMMNMTT), Hansraj College, University of Delhi held on 25th April 2020.

Publications List:

- Collagen-curcumin nanocomposites showing an enhanced neuroprotective effect against short ischemia RSC Adv. 2020,10,2241-2253 DOI: 10.1039/c9ra08508d rsc.li/rsc-advances
- Poster Presentation entitled "Sustainable Alternative Solvents and their application in lab experiments for undergraduate students" in the UGC sponsored national conference on "Innovations in Chemistry Laboratory Teaching" conference proceedings.2017, 45 {ISBN 978-163535361-7}
- Poster Presentation entitled “Controlled Aqueous Phase Synthesis of Gold Nanoparticles using Fruit Extract of *Momordica charantia*” in INCB-2016 published as conference proceedings in Indo- Portugese Workshop J. Mat. Nanosci. 2016, 3(1), S21 {ISSN: 2394-0867 IF 6.6}
 - Controlled Aqueous Phase Synthesis of Gold Nanoparticles using Fruit extract of *Momordica charantia*. J. Mat. Nanosci. 2016, 3(1), 11-13. {ISSN: 2394-0867 IF 6.6}
 - Size and shape-dependent clinical and mycological efficacy of silver nanoparticles on dandruff. Intl. J. Nanomed. (Jan 2016) 2016, 11,147-161 {ISSN: 1178-2013 IF 5.034} DOI: [10.2147/IJN.S86828](https://doi.org/10.2147/IJN.S86828)
 - Nanoparticle based delivery of quercetin for the treatment of CCl₄ mediated Liver Cirrhosis in rats J. Biomed. Nanotech. (01st Feb. 2016) 2016, 12(2), 274-285 {ISSN: 1550- 7033 (Print): EISSN: 1550-7041 (Online) IF 5.338 } DOI: [10.1166/jbn.2016.2153](https://doi.org/10.1166/jbn.2016.2153)
 - Modulation of liver and kidney toxicity by herb *Withania somnifera* for silver nanoparticles: a novel approach for harmonizing between safety and use of nanoparticles Protoplasma (2015March) 2015, 252(2) : 547-558 DOI 10.1007/s00709-014-0701-5(Published online Sep. 2014) {ISSN: 0033-183 X (Print) 1615-6102 (Electronic) IF 2.8}
 - An aqua mediated facile synthesis of conformationally restricted polycyclic Dihydropyridines. Indian J. Chem 2014, 53B, 605-609 {ISSN: 0975 – 0983 (Online); 0376 – 4699 (Print) IF 0.387} URI : <http://hdl.handle.net/123456789/28747>
 - Nanothymoquinone, a novel hepatotargeted delivery system for treating CCl₄ mediatedhepatotoxicity in rats J.Mat.Chem.B2013,1(23),2956-2966{ISSN:0959-9428(Print)ISSN:2050-7526(Online)IF4.726} DOI:10.1039/c3tb20379d
 - Reaction of Coumarin Derivatives with Nucleophiles in Aqueous Medium Z. Naturforsch. 2008, 63b, 71-76 {ISSN 0932-0776 IF 0.744}
 - Environmentally Benign Approach to Imidazole-2- thiones Indian J. Chem. 2007, 46B, 1549-1553 {ISSN:0975-0983(Online)ISSN:0376-4699 (Print) IF 0.387}
 - Microwave Accelerated Multicomponent Synthesis for a Novel Scaffold of Monastrol Analogues Lett. Org. Chem. 2007, 4, 357-361 {ISSN: 1570-1786 (Print) ISSN: 1875-625(Online) IF 0.664}
 - A New Microwave- Assisted Synthetic Approach to Novel Pyrimido[4,5-d]pyrimidines Using Microwave Can.J.Chem.2007, 85, 491-495 {ISSN: 0008-4042(Print)ISSN:1480-3291(Electronic)IF 1.061}

- A Convenient K_2CO_3 Catalysed Regioselective Synthesis for Benzopyrano[4,3-c]pyrazoles in Aqueous Medium
Heterocycles 2007, 71(3), 569-575 {ISSN: 0385-5414 (print); 1881-0942(web)IF 1.079}
- GreenRoute to the 2,6-Disubstituted imidazo-[2,1-b]-1,3,4-thiadiazoles by the cyclocondensation of α -bromoacetophenone derivative and 1,3,4-thiadiazoles using ionic liquids
Lett. Org. Chem. 2006, 3(1), 149-152 {ISSN: 1570-1786 (Print) ISSN: 1875-6255(Online)IF0.664}
- Paal-Knorr Reaction for Novel Pyrrolo[2,3-d]pyrimidines
J. Heterocycl. Chem. 2006, 43(1), 1231-1236 {ISSN:1943-5193 Online IF 0.787}
- Proceeding of Green Chemistry: Green Synthesis of Substituted Imidazo-thiadiazoles using Ionic Liquid
Indan J. Chem. 2006, 45B, 2321-2324 {ISSN: 0975-0983 (Online) ISSN: 0376-4699 (Print) IF 0.387}
- Solvent-free Neat Synthetic Route to Tetrahydroacridinones
Heteroat. Chem. 2005, 16(2), 138-141 {ISSN: 1098-1071(Online) IF1.076}
- Ecofriendly Synthesis of Substituted Pyridine and Pyrido[2,3-d]pyrimidine derivatives
Russ. Chem. Bull., Intl. Edn. 2005, 54(6), 1479-1482 {ISSN:1066-5285 (Print) ISSN:1573- 9171 (Online) IF 0.481}
- An Efficient Synthesis of 2,4,5-Trisubstituted and 1,2,4,5-Tetrasubstituted-1*H*-imidazole
Bull. Korean Chem. Soc. 2005, 26(12), 2051-2053 {ISSN: 0253-2964(Print) ISSN:1229-5949(Online) IF 0.797}
- Solvent-free Synthesis of 2,4,6-Triaryl Pyridines
Z. Naturforsch. 2004, 59B, 606-608 {ISSN: 0932-0776 IF 0.744}
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Conferences Attended:

- National Seminar on Environment and Sustainability in the Third World organized by Department of Chemistry and IQAC, Hansraj College, University of Delhi on 28th Feb. 2020.
- Antarrashtriya Hindi Sammelan Nayi Duniya Naya Bharat, Nayi Hindi to celebrate Vishwa Hindi Diwas organized by Hansraj College, University of Delhi held in Vigyan Bhawan, New Delhi from 10-11th Jan. 2020.
- International Conference on Liquid Crystals, Liquid Crystalline Polymers and Nanosystems (ICLCPN – 2019) held at Mahatma Gandhi University Kottayam, Kerala, India during 13-15th December 2019.
- 1st International Conference on Integrative Chemistry, Biology and Translational Medicine (ICCBTM - 2019) organised by Centre for Global Health, Hansraj college, University of Delhi & Loyola University Chicago Strich School of Medicine, USA held in Hansraj College, University of Delhi on 25th - 26th Feb. 2019.
- Symposium on Empowering Women in Chemistry: A Global Networking Event, IUPAC centenary celebration held at Miranda House, University of Delhi on 12th Feb. 2019.
- National Seminar on Ubharti Harit Prodhogyogi Tatha Takniki Shabdawali organised by Commission for Scientific and Technical Terminology, held at Ramjas College, University of Delhi, Delhi-110007, India, 13-14th Feb., 2019.
- 6th International Congress of Society for Ethnopharmacology (SFEC 2019) organised by Manipal College of Pharmaceutical Sciences and Centre for Integrative Medicine and Research in association with Society for

Ethnopharmacology held at Manipal College of Pharmaceutical Sciences, MAHE, Manipal on 08- 09th Feb., 2019.

- 6th World Congress on Nanomedical Sciences ISNSCON-2018 on Chemistry Biology Interface Synergistic in New Frontiers (CBISNF - 2019) & Science & Technology for the Future of Mankind organised by Jamia Hamdard & University of Delhi held at Vigyan Bhawan on 07-09th Jan. 2019.
- International Conference on Pharmacology & Drug Delivery on Pharmacology for Future: Towards Translational Approach for Next Generation Pharmacologists supported by Science and Engineering research Board, Govt. of India, organised by Maharaja Agrasen school of Pharmacy & Maharaja Agrasen School of Basic & Applied Sciences held at Maharaja Agrasen University, near Chandigarh on 08-10th Oct. 2018.
- Indo-US Colloquium on Recent Developments in Interdisciplinary Research organised by the IQAC, Department of Chemistry, Hansraj College, University of Delhi in association with Loyola University Stritch School of Medicine, USA on 2nd July 2018.
- Orientation Programme on ODL and Strengthening of SSS for Academic Counsellor organised by the Regional Centre, Rajghat, Delhi – 2, Indira Gandhi National Open University (IGNOU), New Delhi – 110002 for the Learner Support Centre 29052 on 27th Apr. 2018.
- Workshop on Gamma Scintigraphy & Confocal Microscopy organised by JH- Institute of Molecular Medicine, School of Interdisciplinary Sciences & Technology Jamia Hamdard, New Delhi on 26th March 2018.
- Workshop on Transmission Electron Microscopy & Magnetic Resonance Spectroscopy organised by JH- Institute of Molecular Medicine, School of Interdisciplinary Sciences & Technology Jamia Hamdard, New Delhi on 27th March 2018.
- One day workshop on “Chemistry Laboratory Working Skills and Safety Education” for non-teaching staff organised by IQAC and the Department of Chemistry, Hansraj College on 17th July 2017.
- National conference on Innovations in Chemistry Laboratory Teaching organised by the department of Chemistry, Zakir Husain Delhi College, University of Delhi on 8- 9th Feb., 2017.
- Faculty Development Workshop on Embedded Systems and Synthesis of Nano-materials organised by the Department of Physics & Electronics & IQAC, Hansraj college under the aegis of DBT Star College Scheme held on 6th Jan. to 7th Jan. 2017.
- Faculty Development Program in Research Project Management Proposal to publication and beyond organised by CIC- Centre for Science Education and Communication held on 19th July 2016.
- 19th CRSI National Symposium in Chemistry (CRSI -19) from 14th July to 16th July 2016 in the Department of Chemistry, University of North Bengal.
- National seminar on Role of analytical Sciences in Sustainable Development organised by Hansraj College and Indian Society of Analytical scientists – Delhi chapter (ISAS-DC) Petrotech Society of India held on 04- 05th Mar., 2016.
- Indo- Portugese Workshop on Emerging Trends of Nanotechnology in Chemistry and Biology (INCB-2016) organised by Department of Chemistry, Hansraj College and Deshbandhu College, University of Delhi, Delhi-110007, India in association with CQM, University of Madeira, Portugal held on 12-13th Feb, 2016.
- Workshop on Computational Chemistry and Bioinformatics by Department of Chemistry, Miranda House, University of Delhi, Delhi in collaboration with DS BIOVIA held on 26-28th August 2015.
- National Seminar on “Role of Technical Education in Higher Education” organised by Commission for Scientific and Technical Terminology held at Hansraj College, University of Delhi, Delhi-110007, India, 23- 24th Jul., 2015.
- National Seminar on Regulatory and Quality Aspects of Herbal Drugs and Botanicals, Department of Pharmacognosy and Phytochemistry, Faculty of Pharmacy, Jamia Hamdard, New Delhi-110062, India, 01st Feb., 2014.
- International Conference on Interface between Chemistry and Environment, Ramjas College, University of Delhi, Delhi- 110007, India, 13-14th Dec., 2012.
- Workshop on Theory & Practical Course “Biochemistry & Environmental Chemistry”, Department of Chemistry, University of Delhi, Delhi- 110007, India, 02-07th July, 2012.
- National Seminar on Role of GCMS, Flash Chromatography and HPTLC in Botanical Drug Development, Department of Pharmacognosy and Phytochemistry, Faculty of Pharmacy, Jamia Hamdard, New Delhi- 110062, India, 17th Jan., 2011.

- National Conference on Trapped between Tradition and Modernity: Changes and Challenges Faced by Women in India, Shivaji College, University of Delhi, Ring Road, Raja Garden, New Delhi-110027, India, 09-10th Nov., 2010.
- Indo-Italian Workshop on Frontiers of Fundamental and Industrial Electrochemistry : A Challenge for Better World, Department of Chemistry, University of Delhi, Delhi- 110007, India, 30 - 31st Aug., 2010.
- National Symposium on Chemistry in Biology: The Future of Life Sciences, Acharya Narendra Dev College, University of Delhi New Delhi, India, 12-13th Feb., 2010.
- National Symposia on Catenanes, Shivaji College, University of Delhi, Ring Road, Raja Garden, New Delhi-110027, India, 24-25th Nov., 2009.
- Linux FOSS & Clustering Workshop, Acharya Narendra Dev College, University of Delhi Govindpuri, Kalkaji, Delhi-110019, India, 5-7th Jan., 2009.
- WikiEd09-Workshop on Open Educational Resources, Acharya Narendra Dev College, University of Delhi, Govindpuri, Kalkaji, Delhi-110019, India, 09-13th Jan., 2009.
- 60th Indian Pharmaceutical Conference, New Delhi, India, 12-14th Dec., 2008.
- Indo-Italian Seminar on "Green Chemistry and Natural Products", Department of Chemistry, University of Delhi, Delhi- 110007, India, 05-06th Dec., 2008.
- National Seminar on Green Chemistry and Natural Products, Department of Chemistry, University of Delhi, Delhi- 110007, India, 26-27th Nov., 2007.
- National Seminar on "Chemistry, Environment and you : Challenges for Future", Department of Chemistry, University of Delhi, Gargi College, India, 26-27th Sept., 2007.
- First Workshop on "Exposure of Nanotechnology to School Level Students under Probe Scheme", Convention Center, Jamia Hamdard, New Delhi-110062, India, 29-30th July, 2007.
- NSC 9: CRSI Sponsored IXth National Symposium in Chemistry, Department of Chemistry, University of Delhi, Delhi-110007, India, 01-04th Feb., 2007.
- Carbo-XXI: ACCTI Sponsored Conference on Recent Developments in Carbohydrate Chemistry, Department of Chemistry, University of Delhi, Delhi-110007, India, 26-29th Nov., 2006.
- IUPAC Sponsored Second International Symposium on Green / Sustainable Chemistry, Department of Chemistry, University of Delhi, Delhi-110007, India, 10-13th Jan., 2006.
- Indo-Italian Workshop on Chemistry and Biology of Antioxidants, Department of Chemistry, University of Delhi, Delhi-110007, India, 08-09th Jan., 2006.
- International Conference on ICT as an Enabling Tool for Sustainable Development: Challenges and Opportunities for Research and Technology Organizations, National Institute of Science Technology and Development Studies (NISTADS), New Delhi, India, 29-30th Aug., 2005.
- National Seminar on Chemistry In Life, Miranda House, University of Delhi, Delhi-110007, India, 18-20th Jan., 2005.
- 92nd Indian Science Congress, Nirma University of Science & Technology, Ahmedabad, India, 03-07th Jan., 2005.
- 41st Annual Convention of Chemists, Department of Chemistry, University of Delhi, Delhi-110007, India, 23-27th Dec., 2004.
- IUPAC International Conference on Biodiversity and Natural Products: Chemical and Medical Applications, Department of Chemistry, University of Delhi, Delhi-110007, India, 26-31st Jan., 2004.
- 84th Session of Indian Science Congress entitled "Communicating and Exploring Science: Experience of Delhi University Colleges", Department of Physics and Astrophysics, University of Delhi, Delhi-110007, India, 08-10th Jan., 1997.