

Professional Profile

Title	Mr.	First Name	Hari Mohan	Last Name	Meena	Photograph
Designation	Associate Professor					
Position	Permanent					
Address	Department of Chemistry Hansraj College University of Delhi Delhi -110007					
Residence	North West Delhi, India					
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Email id	harimohanmeena@hrc.du.ac.in mohanhari12@yahoo.com					
Twitter handle Web-Page	https://twitter.com/Professor_Meena https://harimohanrc.co.in					
Educational Qualifications						
Degree/Qualification	Institution					Division/Grade
M.Sc (Chemistry)	University Department of Chemistry, Jaipur University of Rajasthan					First
B.Sc (Graduation)	University of Kota, Rajasthan					First
12 th (Sr.Sec.)	Rajasthan Board of Secondary Education, Ajmer, Rajasthan					First
CSIR-HRDG	Human Resource Development Group, Council of Scientific and Industrial Research					JRF-NET
GATE	Indian Institute of Science (IISc), Bangalore					Qualified
CSIR-HRDG	Human Resource Development Group, Council of Scientific and Industrial Research					JRF-NET (2 nd time)

Career Profile

1. Working as an Associate Professor in the Department of Chemistry, Hansraj College, University of Delhi, Delhi-110007

Areas of Interest/ Specialization
Inorganic Chemistry
Subjects Taught
Chemistry & Environmental Studies in Chemistry (H), Applied Physical Science, Applied Life Science, Mathematics (H), Physics (H), Zoology (H), Botany(H). Generic Elective Paper in Geology (H), Mathematics (H), Physics (H), Zoology (H), Botany(H).
Publications / Articles
<ul style="list-style-type: none"> H. M. Meena, S. Kukreti, and P. S. Jassal, "Synthesis, and characterization of novel chitosan coated superparamagnetic iron oxide nanoparticles to optimization for adsorption of mercury from industrial effluent wastewater," Int. J. Biol. Macromol., vol. 306, no. February, 2025, doi: 10.1016/j.ijbiomac.2025.141403. (Elsevier Journal, I. F.-8.5) H. Mohan, S. Kukreti, and P. S. Jassal, "International Journal of Biological Macromolecules Graphene oxide / goethite-chitosan composite to optimize adsorption of arsenic (III) from contaminated aquatic solution," Int. J. Biol. Macromol., vol. 318, no. P2, p. 145110, 2025, doi: 10.1016/j.ijbiomac.2025.145110. (Elsevier Journal, I. F.-8.5) H. M. Meena, S. Kukreti, and P. S. Jassal, "A case study on cross-linked formaldehyde-chitosan adsorbent to the removal of Zn (II) and Pb (II) ions from wastewater solution: Equilibrium isotherms, kinetics, and desorption studies," J. Mol. Liq., vol. 427, no. October 2024, 2025, doi: 10.1016/j.molliq.2025.127417. (Elsevier Journal, I. F.-6.0) H. Mohan, M. Shrikant, K. Pyar, S. Jassal, and A. Kaur, "Novel green magnetite-chitosan adsorbent using Ricinus communis plants to adsorption of lead (II) from wastewater solution : anodic linear sweep voltammetry, isotherms, and kinetics study," Environ. Sci. Pollut. Res., no. li, 2025, doi: 10.1007/s11356-025-36107-x. (Springer Journal, I. F.-5.8) H. M. Meena, S. Kukreti, and P. S. Jassal, "Adsorption and estimation of As (III) from wastewater using cross linked Chitosan-STPP nanoparticles with voltammetric analysis computrace, isotherms, and kinetic study," Results Eng., vol. 23, no. May, p. 102467, 2024, doi: 10.1016/j.rineng.2024.102467. (Elsevier Journal, I. F.-6.0)

- H. M. Meena, S. Kukreti, and P. S. Jassal, "Synthesis of a novel chitosan-TiO₂ nanocomposite as an efficient adsorbent for the removal of methylene blue cationic dye from wastewater," *J. Mol. Struct.*, vol. 1319, no. P1, p. 139420, 2025, [doi: 10.1016/j.molstruc.2024.139420](https://doi.org/10.1016/j.molstruc.2024.139420). (Elsevier Journal, I. F.-4.7)
- H. M. Meena, S. Kukreti, and P. S. Jassal, "Synthesis of novel Chitosan-Tannic acid adsorbent for removal of Aluminum (III) from wastewater: characterisation, kinetics, equilibrium isotherms and thermodynamic studies," *Adsorption*, vol. 31, no. 2, p. 46, 2025, [doi: 10.1007/s10450-025-00604-9](https://doi.org/10.1007/s10450-025-00604-9). (Elsevier Journal, I. F.-3.4)
- Gupta, Archana, Raman Kumar, Hari Mohan Meena, and Gurmeet Singh. "SYNTHESIS OF SUBSTITUTED N-PHENYL beta-LACTAMS USING GRIGNARD REAGENT." *HETEROCYCLIC LETTERS* 5, no. 3 (2015): 323-327. <http://heteroletters.org> (UGC CARE Journal, I. F.-1.0)

Orientation Programme and Refresher Courses/ Faculty Development Programmes

- UGC-Sponsored **Orientation Programme**, Human Resource Development Centre: from Nov. 17, 2015 to Dec. 15, 2015 held at Centre For Professional Development in Higher Education(CPDHE), **University of Delhi, Delhi**
- UGC-Sponsored **Refresher Course** in Winter School (IDC) , Human Resource Development Centre: from 28th November 2017 to 19th December 2017 held at Centre For Professional Development in Higher Education(CPDHE), **University of Delhi, Delhi**
- **Faculty Development Programme (One week)** on "Revisiting Gandhi today: question of caste, class, gender, religion and Environment " (17th September-23rd September, 2019) organised by Zakir Husain college, University of Delhi , in collaboration with Mahatma Hansraj Faculty Development centre, Hansraj College, **University of Delhi**
- **Faculty Development Programme (Two weeks)** on managing online classes and co-creating moocs:2.0" from May 18-June 03,2020 at teaching learning centre Ramanujan college **University of Delhi** sponsored by Ministry of Human Resource development pandit Madan Mohan Malaviya national mission on teachers and teaching.
- **Faculty Development Programme (One week)** on "open source tools for Research" from June 08- June 14, 2020. at teaching learning centre Ramanujan college **University of Delhi** sponsored by Ministry of Human Resource development pandit Madan Mohan Malaviya national mission on teachers and teaching.
- **Faculty Development Programme (One week)** on "E-content Generation and Managing Online Teaching" From 11th December - 17th December, 2020 organised by Sri Aurobindo College (E), University of Delhi in collaboration with Mahatma Hansraj Faculty Development Centre Hansraj College, **University of Delhi**
- **Faculty Development Programme (Two weeks)** on "Chemistry-The Catalyst for Change" from July 14-July 28,2021 at teaching learning centre Ramanujan college **University of Delhi** sponsored by Ministry of Human Resource development pandit Madan Mohan Malaviya national mission on teachers and teaching.
- **Faculty Development Programme (Three days)** on Digital literacy: An introduction to ICT Skills held on September 15-17,2017 at Department of physics and electronics Hansraj College, **University of Delhi**.

- **Faculty Development Programme (One week)** on Chemistry and biology interface for scientific transformations held on July 25th- 30th ,2022 organised by SGT University, Gurugram in collaboration with Mahatma Hansraj Faculty Development Centre Hansraj College, **University of Delhi**.
- **Faculty Development Programme (One week)** on Modern scientific technology - ways to enhance research skills held on December 26th- 31st ,2022 organised in collaboration with Mahatma Hansraj Faculty Development Centre Hansraj College, University of Delhi, with K R Mangalam University Gurugram and Motilal Nehru College, **University Delhi**.

Books and Chapters

1- A Chemistry book, Inorganic and Organic including practicals for B.Sc (prog.) and B.Sc (general) as per CBCS, **University of Delhi** in 2017, ISBN: 978-93-8622-169-8

2- A Chapter in the book: Dimensions of Higher Education; Chapter name - Acid Rain: its causes, effects and solution, published by **CPDHE, University of Delhi** in 2016, ISBN: 978-93-85503-19-1

Membership in Editorial Board

- **Member** in Editorial board of Research maGma, An international multidisciplinary journal "ISSN NO- 2456-7078" Impact Factor-4.520
- **Member** in Editorial board of IJFHST international journal of frontiers in humanity, science and technology is an open access pedagogic and peer reviewed.

Delivered Inspire Lecture and Appreciation Award

- **Delivered a lecture** in INSPIRE-DST SCIENCE CAMP on April 22nd 2016, organized by Ministry of Science & Technology, Department of Science & Tech.(DST), **Government of India**, at ACE College of Engineering & Management, Etmadpur, Agra.
- **The valuable contribution as co-coordinator** on the occasion of birth anniversary of Swami Dayanand Saraswati on 14th February 2016 at Jawaharlal Nehru Stadium Delhi, organized by DAV College Managing Committee.
- **Delivered a Oral Presentation** in International Conference on Innovative Research in Engineering Sciences Environment Business Management and Humanities for Sustainable Development (ESEBH-2023) in Aryabhata DSEU, Delhi on 25th – 26th March 2023.

International/National Conferences Organized or attended

- **International Symposium** on Green Chemistry & Sustainable Development on 30-31 March 2012, in Miranda House College, **University of Delhi**.
- **International conference** on green chemistry in environmental sustainability and chemical education (ICGC-2016) organized by department of chemistry, 5aulat ram college, **University of Delhi**, india on 17th – 18th November 2016
- **Indo-UK scoping workshop** on development of rural biorefineries in india: from waste to wealth jointly organized by green chemistry centre of excellence (**University of York**), green chemistry network centre (university of delhi) and the energy and resources institute, held at guest house, **University of Delhi** on 20th February 2017.
- **Indo-Portuguese workshop** on emerging trends of nanotechnology in chemistry and biology (INCB-2016) organized by department of chemistry,Hansraj college & Deshbandhu college, **University of delhi**, india in association with CQM, **University of Madeira, Portugal** held on 12-13 February, 2016
- National workshop on renewable energy & environment, Deptt. Of chemistry, Ramjas college , **University of Delhi** on January-28-29,2011
- National Workshop on “Role of Analytical Techniques in Industry” by Indian Society of Analytical Scientists(ISAS) Delhi Chapter in Kirori mal College, **University of Delhi**. On January 21-22,2010.
- National Seminar on “Role of Analytical Techniques in Biological & Environmental Sciences” by Indian Society of Analytical Scientists (ISAS-DC), Kirori mal College, **University of Delhi** on January 27-29, 2011.
- Seminar on Surface Analytical Techniques Organized by Indian Society of Analytical Scientists(ISAS)-Delhi Chapter at Hotel Comfort inn, Faridabad. on 24th Aug. 2013.
- Workshop on Analytical Chemistry: Bridging Chemistry & Biotechnology in Ramjas College, **University of Delhi**, on 13th -14th December 2011
- Training Workshop on “Green Chemistry: Chemistry for Tomorrow’s World” Organized byGreen Chemistry Network Centre, Department of Chemistry ,**University of Delhi** in Collaboration With Vigyan Prasar, DST, Govt. of India on 26th December 2011.
- National Conference on new frontiers in biosensing organized by department of chemistry,Hansraj College,University of Delhi held on 3rd April,2021

- Seminar on scientific and technical terminology in higher education held by ministry of human resource development at Hansraj college, **University of Delhi**, Delhi on July 23-24, 2015
- National seminar on “ Role of analytical sciences in sustainable development “, held by Indian society of analytical scientists- delhi chapter (ISAS-DC) petrotech society of india held on March 4-5, 2016 at Hansraj college, **University of Delhi**, India.
- National seminar on Environment and sustainability in the third world at Hansraj College **University of Delhi** on 28th February, 2020
- Participated FDP on digital literacy: an introduction to ICT Skills held on September 15-17th, 2017 at Hansraj college, **University of Delhi**

Membership with Professional bodies

- **Life Membership** with the Indian society of analytical scientists [ISAS]-Delhi Chapter- (LM Number- 2013/55).

Paper Presentations/Chair/Speaker

- Paper Presentation on the preparation and characterization of Magnetic Chitosan Nanoparticles, at Aryabhata DSEU, Ashok Vihar Campus, G.T. Karnal Road Delhi and Krishi Sanskrit, New Delhi on 25th- 26th March 2023.
- Paper Presentation on Chitosan Nanoparticle Synthesis at International Conference on Recent Advance in Science, Engineering, Technology, and Management (ICRASETN-2024) held in Dhar, MP on 23rd February 2024.
- Co-Chair/Speaker in a Session of an International Conference on Sustainable Development: Current Scenario and Future Direction held in Govt. College Karauli (Raj.) on 29th-30th January 2024.

Certified that the information given above is true and verifiable through certificates and supporting documents.

Hari Mohan Meena

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