

Curriculum vitae

Dr. PRAMOD KUMAR



Personal Details

Address: Assistant Professor, Department of Chemistry & Chemical Sciences, School of Physical & Material Sciences, Central University of Himachal Pradesh, Shahpur campus, Kangra, H.P, India, Pin-176206

Mob: +91-9711065966/+91-9717744543

E-mail: pramodgang03@gmail.com, pramodgang03@hpcu.ac.in

Citizenship India

ORCID: <https://orcid.org/0000-0003-0859-8740>

Google Scholar: [Qqd9F4oAAAAJ](https://scholar.google.com/citations?user=Qqd9F4oAAAAJ)

Scopus Id: [57416238400](https://scopus.com/authid/detail.uri?https://orcid.org/0000-0003-0859-8740)

Vidwan Infilbnet: <https://vidwan.infilbnet.ac.in/myprofile>

Research ID: [ACU-9392-2022](https://orcid.org/0000-0003-0859-8740)

Professional Qualifications

M.Sc., Ph.D., GATE, NET

- Master Degree (M.Sc.) in Chemistry from M.J.P.R. University, India in the year 2009.
- Ph. D. Chemistry from University of Delhi, India in the year 2015.

Specialization/Research interest

His current research topic includes Nanomedicine specializing in the use of inorganic-based and gold nanoparticles for applications in targeted drug delivery, non-viral gene delivery, photodynamic therapy (PDT), photothermal therapy (PTT), and in-vitro diagnostics, and multimodal diagnostic imaging. Current research interests are hybrid nanoparticles, Hydrogel nanoparticles, and Quantum dots for triggered drugs, bioimaging/biosensors, and gene delivery for the treatment of cancer, respiratory and neurological diseases. Along with this new fields like waste water treatment and tea extraction has been explored.

Employment History (Current and Past)

Assistant Professor

Central University of Himachal Pradesh, Kangra (HP), India (**Jan 2020 – Present**)

Assistant Professor

Ramjas College, University of Delhi, India (**Sept 2014 – Jan 2020**)

Reviewer of reputed Journals

1. Materials Technology
2. European Journal of Pharmaceutics and Biopharmaceutics.
3. Journal of Polymers and the Environment
4. Fibres and Polymers.
5. Materials Technology: Advanced Performance Materials.
6. Journal of Electronic Materials.
7. Journal of Food Composition and Analysis.
8. International Journal of Energy Research.
9. International Journal of Pharmacy and Pharmaceutical Sciences.
10. Chemical Engineering Science.
11. Materials and Technology.
12. Microchemical Journal

Courses Taught

- Nano Materials and Composites.
- Quantum Mechanics, Atomic structure and Spectroscopy.
- Chemical Kinetics and Reaction Dynamics.
- Group Theory, Photochemistry, Electrochemistry.
- Principles Instrumentation of NMR/ESR/ Mössbauer and NQR Spectroscopy.
- NET Coaching Sessions
- Research Methodology
- Remedial and Mentorship Classes

Doctoral Thesis/ Dissertation: Supervision

- **Dr. Purnima Justa (CUHP20RDCHE05)** has successfully defended her thesis and has been awarded degree in the year 2026 (Title of thesis: *Preparation and characterization of core and core shell inorganic nanomaterials and their biological applications*).
- **Dr. Nancy Jaswal (CUHP21RDCHE07)** has successfully defended her thesis and has been awarded degree in the year 2026 (Title of thesis: *Synthesis of Hybrid nanomaterials for environmental and biomedical applications*).

- Currently supervising two Ph.D students.
- M.Sc. Research Projects/ Dissertation Supervised (Total = 45)

University Administration

- M.Sc. Chemistry **Projects Coordinator** (CUHP)
- Department **IQAC Coordinator** (CUHP)
- **SWAYAM** Courses **Department Coordinator** (CUHP)
- **Member:** Building Maintenance and Purchase Committee, Ramjas College, University of Delhi.
- **Member:** Extra Curriculum Activity Committee, Ramjas College, University of Delhi.

Research Funding and Grants

- Microemulsion Mediated Multifunction Iron-Oxide/Ormosil Nanoparticles for Bioimaging and Drug Delivery for **₹21.15520 Lakh** in the year 2020 (By **DST-SERB** New Delhi).
-

Publications

Year 2026

1. Waste-derived Co–Fe LDH@ biochar for sustainable wastewater remediation and antimicrobial applications. Nancy Jaswal, Hemant Kumar, Ali Raza, **Pramod Kumar***, **Next Materials**, 102831, 2026. (ISSN No. : 2949-8228 and Impact Factor : 4.7)
2. Engineered Biomass-Derived Biochar and Hybrid Nanocomposites: Emerging Strategies for Sustainable Wastewater Remediation. Nancy Jaswal, **Pramod Kumar***, **Next Research**, 2026, 101846. (ISSN No. : 3050-4759 and Impact Factor: NA)
3. Valorization of pine needles and plastic waste into Sn–Fe LDH/biochar nanocomposite for efficient organic dye removal. Devender Dadhwal, Nancy Jaswal, Hemant Kumar, **Pramod Kumar***, **Nano-Structures & Nano-Objects**, 101727, 2026. (ISSN No. : 2352-5088 and Impact Factor : 5.3)
4. Double-shelled nanorods for efficient Photocatalytic Dye Degradation. Priyanka Bali, Anu Sharma, Neha Sharma, Tania Kalsi, Sachin Kumar Godara, **Pramod Kumar**, Nupur Saxena, Ashok Bera, Pragati Kumar. **Surfaces and Interfaces**, Elsevier, 2026. (ISSN No. : 2468-0230 and Impact Factor: 6.0)
5. UHPLC-PDA Method for Monitoring Catechins and Caffeine in Tea Samples and Assessment of Postharvest-Associated Variability across Multilocation Samples. Sumit

Thakur, Aryan Bhardwaj, Sahil Awasthi, Aadarsh Shrivastav, **Pramod Kumar***, Mohit Sharma, Upendra Sharma, **Journal of Food Composition and Analysis**, Elsevier, 2026. (ISSN No. : 1096-0481 and Impact Factor: 5.3)

6. Dual mode sensing to remediation: 2D- transition metal dichalcogenides for electrochemical and fluorescent detection coupled with heavy metal removal in wastewater. Priyanka, Tamana Choudhary, Ipsa Mahajan, Vijay Bahadur, **Pramod Kumar***, **Inorganica Chimica Acta**, 2026, 123360 (ISSN No. : 1873-3255 and Impact Factor: 3.3)

7. Biomass-Derived Activated Carbon as a Fluorescent Probe for Sensitive Detection of Mercury (II) in Wastewater. Nancy Jaswal, Jagdeep Kour, **Pramod Kumar***, **Journal of Fluorescence**, Springer Nature, 2026. (ISSN No. : 1573-4994 and Impact Factor: 3.4)

Year 2025

8. Covalent organic frameworks: Emerging frontiers in structure, synthesis, and functional applications. Jitender Kumar, Sachin Pal, **Pramod Kumar**, Vishal Singh, Balaram Pani, Hemant Kumar, **Journal of Applied Materials Today**, Elsevier, 2025, 102907. (ISSN No. : 2352-9407 and Impact Factor: 7.0)

9. Multifunctional RE-MOFs in water decontamination: From detection to degradation, Priyanka, Ambika Kumar, Vijay Bahadur, **Pramod Kumar***, **Inorganic Chemistry Communication**, Elsevier, 2025, 115280. (ISSN No. : 1387- 7003 and Impact Factor : 5.9)

10. ORMOSIL: advanced catalytic application in organic synthesis, Nancy Jaswal, Aman, Vijay Bahadur, **Pramod Kumar***, **Journal of the Iranian Chemical Society**, 2025, 22, 931-953. (ISSN No. : 1735-2428 and Impact Factor : 2.4)

11. Exploring regional influences on bioactive components in tea leaves and their effect on sensory quality. Sumit Thakur, **Pramod Kumar***, Neeraj Gupta, **Journal of Food Composition and Analysis**, 2025, 144, 107683. (ISSN No. : 1096-0481 and Impact Factor: 5.3)

12. Properties and Applications of Ormosil for Biosensing. Purnima Justa, Nancy Jaswal, Deeksha Rana, Hemant Kumar, Neha Yadav, Vijay Bahadur, **Pramod Kumar***, **Silicon**, 2025, 17(5), 1-27. (ISSN No. : 1876-990X and Impact Factor: 4.52)

13. Fabrication and in vitro evaluation of Dox@FeSe Nanorods for independent photothermal and chemotherapeutic effects toward theranostics cancer treatment. Purnima Justa, Nancy Jaswal, Devendra Kumar Gangwar, Dimple Kumari, **Pramod Kumar*** **Next Research**, Elsevier, 2025. (ISSN No. : 3050-4759 and Impact Factor: NA)

14. Quasi-Solid-State Supercapacitor Using Redox Additive. Vivek Chaurasiya, Pramod Kumar Yadawa, Sushama Yadav, Ankus Kumar Rajput, Sailendra Badal, **Pramod Kumar**, Sujeet Kumar Chaurasia, Manoj K. Singh, **Macromolecular Symposia, Wiley online library, 2025. (ISSN No. : 1521-3900 and Impact Factor: 0.66)**

15. Microemulsion Mediated Organically Modified Silica-Based Sensors for Electrocatalysis, Aman Rana, Nancy Jaswal, Sujeet Kumar Chaurasia, Manoj K. Singh, **Pramod Kumar**, **Macromolecular Symposia, Wiley online library, 2025. (ISSN No. : 3050-4759 and Impact Factor: 0.66)**

16. Sustainable photocatalytic approach: Natural sunlight-driven Degradation of β -naphthol by solution-free CeO₂-ZnO nanocomposite, Priyanka Madhu, Khushboo Dasauni, Preeti Joshi, Tapan Kumar Nailwal, **Pramod Kumar**, Bhavani Prasad Naik Nenavathu, Ambika Kumar, **Sustainable Chemistry for Climate Action/Elsevier 2025. (ISSN No. : 2772-8269 and Impact Factor : 9.1)**

17. Synthesis, characterization of pine chir based biochar nanocomposites and their application in heavy metal ion detection, Nitin Srivastava, Abhishek Srivastava, Shivi Singh, Hemant Kumar, **Pramod Kumar***, Manisha Shukla. **Next Materials, Elsevier, 2025. (ISSN No. : 2949-8228 and Impact Factor : 4.7)**

18. EGCG/ECG-controlled mesoporous and ultrafine TiO₂ nanoparticles for UV-driven pollutant mineralization and radical scavenging, Sumit Thakur, Jyoti Gaur, Anand Somvanshi, Suhas Ballal, Kishor Kumar, Kasim Sakran Abass, **Pramod Kumar**, Sandeep Kaushal & Sanjeev Kumar, **Scientific Reports, Nature portfolio, 2025. (ISSN No. : 2045-2322 and Impact Factor : 4.9)**

19. Valorizing Saccharum officinarum and plastic waste biochar with Zn-Al LDH for Congo Red dye removal: kinetics and isotherms insights, Nancy Jaswal, Sahil, Amit Kumar Sharma, Vijay Bahadur, **Pramod Kumar***, **Inorganic Chemistry Communication, Elsevier, 2025. (ISSN No. : 1387- 7003 and Impact Factor : 5.9)**

20. Waste-derived nanocomposites powering the future: Biochar@Fe₂O₃ anodes in microbial fuel cells. Soumya Pandit, **Pramod Kumar**, Soumyajit Chandra, Elvis Fosso -Kankeu, Richa Tomar, **Nano Trends, Elsevier, 2025. (ISSN No. : 2666-9781 and Impact Factor : NA)**

21. Functionalising Pinus roxburghii Biochar with Mg-Fe-LDH for Effective Organic Pollutant Mitigation in Wastewater. Nancy Jaswal, Nipjyoti Sarma, Purnima Justa, Amit Kumar Sharma, Pragati Kumar, **Pramod Kumar*** **Catalysis Letters, 2025, 155 (1), 20 (ISSN No. : 1572-879X and Impact Factor : 2.5)**

Year 2024

22. Integration of cadmium sulfide quantum dots with calcium alginate microbeads for dual-functional mercury (II) ion sensing and removal. Ambika Kumar, Nancy Jaswal, RK Dutta, **Pramod Kumar***, **Journal of Environmental Chemical Engineering**, 2024, 12 (6), 114458 (ISSN No. : 2213-3437 and Impact Factor : 7.5)
23. Perylene Bisimides—Advanced Synthesis and Photoelectric Applications. Vijay Bahadur, Neha Yadav, Murthy Chavali, **Pramod Kumar**, Brajendra Kumar Sing. **Dyes and Pigments**, 2024, 12, 112389. (ISSN No. : 1873-3743 and Impact Factor : 3.9)
24. Harnessing biomass derived carbon material with heteroatoms for sensitive and selective detection of mercury (II) ions in waste water. Nancy Jaswal, Vishal Bharti Jaryal, Raghubir Singh, **Pramod Kumar**, Neeraj Gupta, **Microchemical Journal**, 2024, 207, 111767 (ISSN No. : 0026-265X and Impact Factor : 5.2)
25. Iron Sulfide Nanoparticles: Synthesis, Characterization, and Molecular Docking Studies of Its Interaction with Bovine Serum Albumin and Human Serum Albumin. Purnima Justa, Nancy Jaswal, Amit Kumar Sharma, Adesh Kumar, Hemant Kumar, Balaram Pani, Pragati Kumar, Ambika Kumar, **Pramod Kumar***. **BioNanoScience**, 2024, 14, 1362-1369. (ISSN No. : 2191-1649 and Impact Factor : 4.0)
26. Peroxidase Like Activity of Prussian Blue Nanoparticles and Visible Light Mediated Catalytic Degradation of Methylene Blue Dye. Jitender Kumar, Purnima Justa, Nancy Jaswal, Hemant Kumar, Balaram Pani, **Pramod Kumar**, **ChemicalPhysicsImpact**, 2024,8,100575. (ISSN No. 2667-0224 and Impact Factor : 5.3)

Year 2023

27. In-vitro and Bioimaging Studies of Mesoporous Silica Nanocomposites Encapsulated Iron-Oxide and Loaded Doxorubicin Drug (DOX/IO@Silica) as Magnetically Guided Drug Delivery System. Hemant Kumar, Jitender; Balaram Pani, **Pramod Kumar***. **Current Pharmaceutical Biotechnology**, Bentham Science, 2023, 24(15), 2046-2069. (ISSN No. 1389-2010 and Impact Factor : 2.9)
28. Synthesis and surface modification of biocompatible mesoporous silica nanoparticles (MSNs) and its biomedical applications: a review. Hemant Kumar, Shwetank Pandey, Balaram Pani* and **Pramod Kumar***. **Research Journal of Chemistry and Environment**, 2023, 27(2), 0250–4707 (ISSN No. 2278-4527 and Impact Factor :NA)
29. Structural, Optical and Magnetic properties of PMMA-Magnetite (Fe₃O₄) Composites: Role of magneto-conducting filler particles. Uma Shankar, Amit Kumar, Sujeet Kumar Chaurasia, **Pramod Kumar**, F. A. Latif, M.Z.A. Yahya, **Journal of Electronic Materials**,

2023. (ISSN No. 1543-186X and Impact Factor : 2.8)

Year 2022

30. Impact of ionic liquid incorporation on ionic transport and dielectric properties of PEO-lithium salt-based quasi-solid-state electrolytes: role of ion-pairing. Sujeet Kumar Chaurasia, Manish Pratap Singh, Manoj K. Singh, **Pramod Kumar**, and A. L. Saroj. **Journal of Materials Science: Materials in Electronics**, 2022, 33, 1641–1656. (ISSN No. 1573-482X and Impact Factor : 3.2)

31. Multifunction Folic acid-coated Mesoporous Silica and Doxorubicin Encapsulated Nanocomposites (FA/DOX@Silica) for Superior Active Targeting Cancer Therapeutics, Bioimaging, and in vitro Studies. Hemant Kumar, Jitender Kumar, and Balaram Pani and **Pramod Kumar*** **ChemistrySelect**, 2022, 7 (44), e202203113. (ISSN No. 2365-6549 and Impact Factor : 2.3)

32. Synthesis and Characterization of Biogenic Iron Sulfide Nanoparticles in Cancer and Other Biomedical Applications: A Review. Hemant Kumar, Tarun Mohan, Balaram Pani, and **Pramod Kumar***. **Acta Scientific CANCER BIOLOGY**, 2022. (ISSN No. 2582-4473 and Impact Factor : 1.183)

33. Quantum dots-sensitized solar cells: a review on strategic developments. Sundar Singh; Zishan H. Khan; **Pramod Kumar**, Pragati Kumar. **Bulletin of Materials Science**, Springer, 2022, (ISSN No. 0250-4707 and Impact Factor : 2.1)

34. *Recent Designed Simple Synthesis Approaches, Surface Modification Superparamagnetic Iron Oxide Nanoparticles and Biologically Inspired Biocompatible Nanoparticles for Biomedical Applications: A Review* Hemant Kumar, Jitender Kumar, Balaram Pani and **Pramod Kumar***. **Research Journal of Chemistry and Environment**, 2022, 26(9) (ISSN No. 2278-4527 and Impact Factor :NA)

Year 2020 and Before

35. Microemulsion mediated multifunction of Doxorubicin Encapsulated Core-Shell Iron Oxide/Ormosil Nanoparticles as efficient Magnetically-guided Delivery, bioimaging, and *In-vitro* studies. Hemant Kumar, Shrish Agnihotri, Indrajit Roy, Balaram Pani, **Pramod Kumar***. **Advanced Science, Engineering and Medicine**. 2020,12(5), 2164-6627. (ISSN No. 2164-6635 and Impact Factor : NA)

36. Mono dispersible water-soluble iron sulfide nanoclusters: Synthesis, Characterization, and Catalytic Application for highly efficient synthesis of Xanthene derivatives. Kumar Karitkey

Yadav, Hemant Kumar, Balaram Pani, Indrajit Roy, **Pramod Kumar***, **Advanced Science, Engineering and Medicine**, 2020, 2164-6627. (ISSN No. 2164-6635 and Impact Factor : NA)

37. Synthesis of Visible light responsive Nickel Phthalocyanine encapsulated Ormosil nanoparticles for efficient Photodynamic and Photothermal therapy. Shrish Agnihotri, Kumar Kartikey Yadav, Indrajit Roy and **Pramod Kumar***, **Advanced Science, Engineering and Medicine** 2018, 2164-6627. (ISSN No. 2164-6627 and Impact Factor : NA)

38. Preparation and Characterization of Superparamagnetic Iron-Oxide Nanoparticles for Magnetically Guided Drug Delivery. **Pramod Kumar**, Shrish Agnihotri, and Indrajit Roy*, **International Journal of Nanomedicine**, 2017, 1178-2013. (ISSN No. 1176-9114 and Impact Factor : 8.7)

39. Preparation and Characterization of Photosensitizer conjugated Superparamagnetic Iron-Oxide Nanoparticles for their potential application in light-activated therapy. **Pramod Kumar***, Shrish Agnihotri, and Indrajit Roy. **Journal of Nanomedicine and Nanotechnology** 2016, 2157-7439. (ISSN No. 2157-7439 and Impact Factor : 1.68)

40. Preparation and Characterization of Gold Nanospheres and Nanorods, with Potential Application in Catalysis. **Pramod Kumar*** and Indrajit Roy. **Advanced Science, Engineering and Medicine**, 2016, 2164-6627. (ISSN No. 2164-6635 and Impact Factor : NA)

41. Synthesis of Dox drug conjugation and citric acid stabilized superparamagnetic iron oxide nanoparticles for drug delivery. **Pramod Kumar***, Shrish Agnihotri, and Indrajit Roy. **Biochemistry & Physiology**, 2016, 2168-9652. (ISSN No. 2168-9652 and Impact Factor : 2.87)

42. *Applications of gold nanoparticles in clinical medicine.* **Pramod Kumar*** and Indrajit Roy, **International Journal of Pharmacy and Pharmaceutical Sciences**, 2016, 0975–1491. (ISSN No. 2656-0097 and Impact Factor : NA)

43. Optically and magnetically doped ormosil nanoparticles for bioimaging: synthesis, characterization, and in vitro studies. **Pramod Kumar**, Anuradha, Indrajit Roy*. **RSC Advances** 2014, (ISSN No. 2046-2069 and Impact Factor : 6.1)

44. Ormosil nanoparticles as a sustained-release drug delivery vehicle. Indrajit Roy*, **Pramod Kumar**, Rajiv Kumar, Tymish Y. Ohulchanskyy, Ken-Ty Yong, and Paras N Prasad. **RSC Advances** 2014. (ISSN No. 2046-2069 and Impact Factor : 6.1)

BOOK CHAPTERS

45. Ridhima Juneja, Anuradha, **Pramod Kumar**, Indrajit Roy*. “Translational Research in New Drug Development Book, Nanomedicine: New Frontiers in diagnosis and therapy of diseases”. 19 Chapters, 2012, 341-366. ([ISBN:978-3-032-11764-9](#))
46. Purnima Justa, Hemant Kumar, Sujeet Kumar Chaurasia, Adesh Kumar, Balaram Pani, **Pramod Kumar***. “Biodegradable Composites for packaging applications” Topic: “Bio-based materials for food packaging applications” **CRC Press Taylor & Francis Group. 2022.**([ISBN:9781000602777](#))
47. Nancy Jaswal, Purnima Justa, Hemant Kumar, Deepshikha, Deepshikha, Krishna Devi, Balaram Pani and **Pramod Kumar***. "Iron Ores and Iron Oxide" Topic "Biomedical Applications of Superparamagnetic Iron Oxide Nanoparticles (SPIONS) As a Theranostic Agent" **Intech Open -2023.** ([ISBN: 978-1-83769-543-0](#))
48. Hemant Kumar, Purnima Justa, Nancy Jaswal, Balaram Pani and **Pramod Kumar*** “Advanced Materials and Manufacturing Techniques for Biomedical Applications” Topic “Biomimetic and Bioinspired Composite Processing for Biomedical Applications” **Wiley 2023** ([ISBN: 9781394166985](#))
49. Siddharth Mohan Bhasney, Shubhranshu, Ranjan Das, Arbind Prasad, **Pramod Kumar**, and Bidyanand Mahto “Nanomanufacturing Techniques in Sustainable Healthcare Applications” Topic “Introduction to Bio-based Polymers and Their Advancements” CRC Press Taylor & Francis Group. **2024.** ([ISBN: 9781040148150](#))
50. Purnima Justa, Nancy Jaswal, Vijay Bahadur, Manoj K. Singh, Devendra Kumar Gangwar, Mohan Bhushan Kalhans, and **Pramod Kumar** “Nanomanufacturing Techniques in Sustainable Healthcare Applications” Topic “Bio-based Nanocomposites for Imaging, Tissue Repairing, and Drug Delivery Applications” CRC Press Taylor & Francis Group. **2024.** ([ISBN: 9781040148150](#))
51. Jitender Kumar, Hemant Kumar, Rajesh Kumar and **Pramod Kumar** “Nanomanufacturing Techniques in Sustainable Healthcare Applications” Topic “Nanocomposites in Cytotoxicity and Targeted Drug Delivery Applications” CRC Press Taylor & Francis Group. **2024.** ([ISBN: 9781040148150](#))
52. Nancy Jaswal, Vijay Bahadur, Ali Raza, Arbind Prasad and **Pramod Kumar** “Nanomanufacturing Techniques in Sustainable Healthcare Applications” Topic “Future Trends of Nanocomposites in 3D Bioimplants and Fluorescent Bioimaging” CRC Press Taylor & Francis Group. **2024.** ([ISBN: 9781040148150](#))

53. Nancy Jaswal, Purnima Justa, Hemant Kumar, Sujeet Kumar Chaurasia, Adesh Kumar, Balaram Pani, and **Pramod Kumar*** “Bioabsorbable Polymers for Drug Carriers and Fixation Devices” **Topic** “Bioactivity and Biocompatibility of Chitosan-Based Biocomposites” Apple Academic Press Taylor & Francis Group. 2025. (ISBN: 9781040268339)
54. Hemant Kumar, Purnima Justa, Nancy Jaswal, Reenu Gangwar, Sundar Singh, Balaram Pani, and **Pramod Kumar*** “Bioabsorbable Polymers for Drug Carriers and Fixation Devices” **Topic** “Biocomposites in Craniofacial Fixations and Applications in Maxillofacial Fixations” Apple Academic Press Taylor & Francis Group. 2025. (ISBN: 9781040268414)
55. Ambika Kumar, Anshu Kumar, Deepika Dimri, Neetu Yadav, Baliram Pd Singh, Rajneesh Kumar, **Pramod Kumar***, Ubiquitous Polycyclic Aromatic Hydrocarbon Contamination: Recent Perspectives **Topic** “Adsorption of Polycyclic Aromatic Hydrocarbons from Water Resources” Springer Nature, 2026.
56. Shibashis Halder, Sudheer Kumar Yadav, Kumari Seema, Abhijeet Ghosh, Deepika Dimri, Anshu Kumar, **Pramod Kumar**, Ambika Kumar, New Generation Advanced Materials for Regenerative Development **Topic**: “Novel Materials in Water Pollutant Ion Sensors” CRC Press Taylor & Francis Group. 2026. (ISBN 978-3-032-11763-2)
57. Nancy Jaswal, Ambika Kumar, **Pramod Kumar**, New Generation Advanced Materials for Regenerative Development **Topic**: “New Materials in Biosensing, Bioimaging, and Biomedical Application” CRC Press Taylor & Francis Group. 2026. (ISBN: 9781040636695)

Refereed Conference and Proceedings Publications

58. Co-surfactant modulates nanoparticle dimensions synthesized in normal micro-emulsion. Purnima Justa, Nancy Jaswal, Hemant Kumar, Sujeet Kumar Chaurasia, Balaram Pani, **Pramod Kumar*** (Springer Nature, Recent Advances in Nanotechnology: Proceedings of ICNOC 2022)
59. Advances in Functional Materials proceedings” Topic: **Investigation on Raman spectroscopic and ionic conductivity of ionic liquid immobilized PEO based quasi-solid electrolyte membranes.** Sujeet Chaurasia, **Pramod Kumar**, Abhishek Gupta, Sarvesh Kumar Gupta. Springer Nature, 2022.

International Books

1. **Editors:** *Pragati Kumar, Nupur Saxena, Pramod Kumar, and Sundar Singh* Book Titled “New Generation Advanced Materials for Regenerative Development. CRC Press Taylar & Francis Group. 2026. (ISBN: 9781032693316)
2. **Editors:** *Arbind Prasad and Pramod Kumar* Book Titled “Industrial Wastewater Management: Sustainability, Eco-Innovations and Green Technologies” CRC Press Taylar & Francis Group. 2026.
3. **Editors:** *Ali Raza, Kofi Afrifah, Pramod Kumar, Sriram Srinivasan* Titled “Environmental Forensics for Emerging Contaminants – Advanced Analytical Technologies, Artificial Intelligence, and Source Attribution” Springer Nature. 2026.
4. **Editors:** *Arbind Prasad and Pramod Kumar* Book Titled “Nanomanufacturing Techniques in Sustainable Healthcare Applications. CRC Press Taylar & Francis Group. 2024. (ISBN: 9781040148150)



Cited by:

	All	Since 2020
<u>Citations</u>	516	433
<u>h-index</u>	13	12
<u>i10-index</u>	19	17

Career Development Programs

1. Certificate of Participation, **Faculty Development Programme 2017** on “**From Chemistry of Life to Chemistry of Diseases: Understanding Clinical Biochemistry**” **15-22 June 2017**, [Organized by: Department of Chemistry, Daulat Ram College, University of Delhi]
2. Certificate of Participated, Faculty Development Programme on, National Webinar on “**ICT Enabled Higher Education in India: Challenges and Opportunities**” Sponsored by the Ministry of Human Development, Government of India” **17 April- 2020**, [Organized by: Guru Angad Dev Teaching Learning Center SGTB Khalsa College (DU), Under PMMMNMTT]
3. Certificate of Participated, Faculty Development Programme on Topic “**Quantum and Energy Materials: Potential & Applications**” Sponsored by ministry of Human Development, Government of India” **20 April-24 April 2020**, [Organized by: Applied Science Department, NITTTR, Chandigarh]
4. Certificate of Participated, Faculty Development Programme on Topic “**Spectroscopic and analytical techniques: Application**” Sponsored by ministry of Human Development, Government of India” **25-29 May- 2020**, [Organized by: Guru Angad Dev Teaching Learning Center SGTB Khalsa College (DU), Under PMMMNMTT of MHRD and Department of Chemistry, J.C BOSE University of Science & Technology, YMCA, Faridabad.
5. Certificate of Participated, Faculty Development Programme on Topic “**Nanomaterials and Devices**” Sponsored by ministry of Human Development, Government of India” **27 May-01 June 2020**, [Organized by: Applied Science Department, NITTTR, Chandigarh]
6. Certificate of Participated, **Faculty Induction/Orientation Programme (FIP-01)** “Sponsored by the ministry of Human Resource Development Pandit Madan Mohan Malaviya National Mission on **Teacher and Teaching Learning Center**” **04 June-01 July 2020**, [Organized by: Teaching Learning Center Ramanujan College, University of Delhi]
7. Certificate of Participated, “**Refresher Course on Chemistry**” (on “**Centre for Professional Development in Higher Education (CPDHE)**”, UGC-Human Resource Development Centre, University of Delhi” **27 Oct-10 Nov. 2020**, [Organized by: Centre for Professional Development in Higher Education (CPDHE), UGC-Human Resource Development Centre, University of Delhi]
8. Certificate of Participation in two-week online **refresher course** on “**The Quintessential Educator-Challenges and Opportunities in the Changing World**”, from **23 Aug to 06 Sept 2021**, at University of Delhi [Organized by: Atma Ram Sanatan Dharma College in collaboration with Teaching Learning Centre, Ramanujan College, University of Delhi]

9. Certificate of Participation, Faculty Development Programme on **“Chemistry and Biology Interface for Scientific Transformations”**, on **25th July - 30th July 2022** [Organized by: SGT University, Gurugram in collaboration with Mahatma Hansraj Faculty Development Centre Hansraj College, University of Delhi]

Invited Lectures /Resource Person/Poster Presentation/Oral Presentation

1. Presented poster in National Symposium on **“DAE-BRNS 4th Interdisciplinary Symposium on Material Chemistry” December 2012**, Chemistry Division, Bhabha Atomic Research Center, Mumbai and Society for Materials Chemistry, Mumbai, India. [Organized by: Chemistry Division, Bhabha Atomic Research Center, Mumbai and Society for Materials Chemistry, Mumbai].

2. Presented poster in International Conference on **“Nanoscience and Technology”**, (ICONSAT- 2014), **2-5 March, 2014**, Institute of Nanoscience and Technology” Mohali, India. [Organized by: Institute of Nanoscience and Technology].

3. Presented poster in International Conference on **“International Conference On Translational Nanomedicine” (T-NANO- 2014), 15-17 December 2014**, Institute of Life Sciences, Ahmadabad University, Ahmadabad, India. [Organized by: Institute of Life Sciences, Ahmadabad University].

4. Presented poster National Conference on **“New Frontiers in Chemistry-From Fundamentals to Applications”**, (NFCFA-2015), **18-19 December 2015**, Department of Chemistry BITS Pilani K.K. Birla, Goa Campus, India [Organized by: Department of Chemistry BITS Pilani K.K. Birla, Goa Campus].

5. Participated as a Resource Person, National Workshop on **“Workshop on Recent Advances in Chemistry”**, **12 March 2015**, Department of Chemistry, Ramjas College, University of Delhi. [Organized by: Chemistry Society, Ramjas College, and University of Delhi].

6. Participated as a Resource Person, National Workshop on **“Chemistry in Everyday Life”**, **29 Jan 2016**, Department of Chemistry, Ramjas College, University of Delhi. [Organized by: Chemistry Society, Ramjas College, and University of Delhi].

7. Certificate of Participated as a Resource Person in the **“Virtual Workshop on Collating Chemistry Resources for Teachers in Higher Education”** June **18-19, 2020** [Organized by: National Resource Centre for Education of this Institute during at NIEPA, New Delhi].

8. Online Lecture delivered on National Webinar ***“Environmental issues and their Solution” Topic: Toxicity of Nanoparticles on Environment and Future Needs, 28th Dec 2020** [Organized by Department of Botany through IQAC, Govt. Degree College Jaisinghnagar, Shahdol (M.P.)]
9. Presented an Invited lecture on **“Conservation of Bio-diversity”** on **Dec. 2021** Department of Botany & Geography, Govt. S.K. College Mauganj, Rewa (M.P) [Organised by: Govt. S.K. College Mauganj, Rewa (M.P)]
10. Online Lecture delivered on National Webinar on ***“Environmental issues and their Solution” Topic: Dynamics of Biodiversity and Its Conservation in India: Challenges and Prospects, 24-25th Dec 2022** [Organized by Department of Botany & Geography, Govt. S.K. College Mauganj, Rewa (M.P.)]
11. Online Lecture delivered on National Webinar on * **Bio-diversity and its conservation Topic: Bio-diversity and its conservation, 28th August 2023** [Organized by Department of Zoology through IQAC, Govt. P.G. College, Amarpatan, Satna (M.P)]
12. Certificate of participation and presented Poster on paper entitled **Drug encapsulated optically and magnetically active amine functionalized silica shell and magnetite nanocomposite & its application in magnetically targeted drug delivery** in the international conference on **Renewable Energy and Sustainable Technology (ICREST-2024) on July 4 to 6, 2024** [Organized by Department of Applied Sciences & Humanities, Faculty of Engineering & Technology, Jamia Millia Islamia, New Delhi, India]
13. Lecture delivered on National seminar on **“Sustainable Chemistry-A Step Towards Steady Environment and Technical Terminology”** Topic is *Reducing Chemical Waste: Techniques and Technologies for a Green Future*, **“22th - 23th November 2024** [Organized by Department of Chemistry through IQAC, Ramjas College, University of Delhi (D.U)]
14. Lecture delivered in One Day National Webinar on **Climate Change and Biodiversity** on topic **“Dynamics of Bio-diversity and its Conservation in India: Challenges and Prospects”**, **14th October 2025** [Organized by Pradhan Mantri college of Excellence, Govt. College Mauganj (M.P)]