

Curriculum vitae

Dr. PRAMOD KUMAR



Personal Details

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

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Citizenship: India

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

Scopus Id: [57416238400](https://scopus.com/authid/detail.url?authorId=57416238400)

Vidwan Inflibnet: <https://vidwan.inflibnet.ac.in/myprofile>

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

Professional Qualifications

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

2015 Ph.D. Thesis entitled **“Synthesis of core and core-shell inorganic nanoparticles for application in drug delivery”** Department of Chemistry, University of Delhi, Delhi (India)-110007.

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.

Employment History

Dr. Pramod Kumar is currently working as **Assistant Professor**, at the Department of Chemistry and Chemical Sciences, School of Physical & Material Sciences, Central University of Himachal Pradesh, Dharamshala (H.P) from **15.01.2020**

Worked as **Assistant Professor**, Department of Chemistry, **Ramjas College** (University of Delhi) from date **15.10.2014 to 14.01.2020**

Personal Distinctions

Graduate aptitude test for engineers (**GATE**) in Chemistry

National eligibility examination (**NET**) in Chemical Sciences

Professional Contributions

Scientific Recognitions:

Life Time membership of Himalayan Life Sciences Society, CUHP, 2021

Reviewer of reputed Journals:

International Journal of Pharmacy and Pharmaceutical Sciences.

International Journal of Nanomedicine.

Lectures & Talks Delivered

1. Online Lecture delivered on National Webinar **“Environmental issues and their Solution”** Topic is **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.)]
2. Online Lecture delivered on National Seminar on **“Environmental issues and their Solution”** Topic is **DYNAMICS OF BIODIVERSITY AND ITS CONSERVATION IN INDIA : CHALLENGES AND PROSPRCTS**, 24-25th Dec 2022 [Organized by Department of Botany & Geography, Govt. S.K. College Mauganj, Rewa (M.P.)]

Refresher/Orientation & Faculty Development Programme

1. Certificate of Participated, **“The Quintessential Educator-Challenges and Opportunities in the Changing World”**, University of Delhi. Dr. Pramod Kumar, from 23 Aug to 06 Sept 2021.
2. 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]

3. Certificate of Participated, Faculty Induction/Orientation Programme (FIP-01) on "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]
4. 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]
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 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 PMMMNTT of MHRD and Department of Chemistry, J.C BOSE University of Science & Technology, YMCA, Faridabad.
7. 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]

Teaching

1. Nano Materials and Composites.
2. Quantum Mechanics, Atomic structure and Spectroscopy.
3. Chemical Kinetics and Reaction Dynamics-1& 2.
4. Group Theory, Photochemistry, Electrochemistry.
5. Principles Instrumentation of NMR/ESR/ Mössbauer and Nuclear Quadrupole Resonance Spectroscopy.

Doctoral Thesis Supervision

Four (04) Ph.D. Students currently working

1. Ms. Purnima Justa, "***Preparation and characterization of core and core shell inorganic nanomaterials and their biological applications***".
2. Mrs. Namita Singh Patel
3. Ms. Nancy Jaiswal
4. Mrs. Manisha

M.Sc. Research Projects/ Dissertation Supervised (Total 17 No.)

University Administration

1. **M.Sc. Chemistry** Projects Coordinator (CUHP)
2. Department **IQAC coordinator** (NAAC CUHP)
3. **Member: (BMPC)** Building Maintenance and Purchase Committee (2019-2020), Ramjas College, University of Delhi.
4. **Member: (ECA)** Extra Curriculum Activity Committee (2019-2020), Ramjas College, University of Delhi.

Research Projects and Income

Year	Source of funds	Project title	Amount
2020-2022	DST-SERB	Microemulsion Mediated Multifunction Iron-Oxide/Ormosil Nanoparticles for Bioimaging and Drug Delivery	21.15520 Lakhs

Publications

1. Structural, Optical and Magnetic properties of PMMA-Magnetite (Fe_3O_4) 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,**
2. 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.
3. 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.

4. 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**, 2021,23, 2046-2069.
5. 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.
6. 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.
7. 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.
8. 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.
9. 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.
10. 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.
11. 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.

12. Optically and magnetically doped ormosil nanoparticles for bioimaging: synthesis, characterization, and in vitro studies. **Pramod Kumar**, Anuradha, Indrajit Roy*. **RSC Advances 2014**, -2069.
13. 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**, 2046-2069.

Book Chapters

1. 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.
2. 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**.
3. 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**.

Other Refereed Contributions: Letters, Reviews, Editorials

1. 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**.
2. *Strategic Developments towards Improved Photovoltaic Performance in Quantum Dots Sensitized Solar Cells: A Review*. Sundar Singh; Zishan H. Khan; **Pramod Kumar**, Pragati Kumar. **Bulletin of Materials Science, Springer**, **2022**, 0250–4707.
3. *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), 0250–4707.

4. Synthesis and surface modification of biocompatible mesoporous silica nanoparticles (MSNs) and its biomedical applications: a review. Hemant Kumar*, Shwetank Pandey, Pramod Kumar, and BalaramPani* Pramod Kumar*. **Research Journal of Chemistry and Environment**, 2022, 27(2), 0250–4707
5. *Applications of gold nanoparticles in clinical medicine*. Pramod Kumar* and Indrajit Roy, **International Journal of Pharmacy and Pharmaceutical Sciences**, 2016, 0975–1491.
6. Multimodal ORMOSIL nanoparticles for biomedical application: A Review. Purnima Justa, Hemant Kumar, Balaram Pani and Pramod Kumar. **The Journal of Himalayan Life Sciences (JHLS), CUHP**, 2022.

Refereed Conference and Proceedings Publications

1. **Ormosil–Iron oxide nanocomposites for magnetically targeted drug delivery**. Indo-Portuguese Workshop on Emerging Trends of Nanotechnology in Chemistry and Biology (INCB-2016), Tarun Mohan, Pramod Kumar, Indrajit Roy*. (J. Mat. NanoSci. 2016, 3(1)), S1-S23 S3,2394–0867.
2. **Preparation and characterization of gold nanostructures with potential application in catalysis** Indo-Portuguese Workshop on Emerging Trends of Nanotechnology in Chemistry and Biology (INCB-2016), Tarun Mohan, Pramod Kumar, Indrajit Roy*. (J. Mat. NanoSci. 2016, 3 (1), S1-S23 S9 2394–0867.
3. 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.



Cited by:

	All	Since 2018
<u>Citations</u>	128	86
<u>h-index</u>	5	5
<u>i10-index</u>	5	4

Refresher/Orientation & Faculty Development Programme

1. Certificate of Participated, **“The Quintessential Educator-Challenges and Opportunities in the Changing World”**, University of Delhi. Dr. Pramod Kumar, from 23 Aug to 06 Sept 2021.
2. 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]
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4. 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]
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 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 PMMMMNMTT of MHRD and Department of Chemistry, J.C BOSE University of Science & Technology, YMCA, Faridabad.
7. 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]

Conferences & Symposium

1. Certificate of Participation in **IP Awareness/Training, Intellectual Property Office, India**. Dr. Pramod Kumar, 09 Feb 2022. [Organized by: Central University of Himachal Pradesh, Shahpur, Kangra]
2. Certificate of Participated as an Advisory Committee in the National Webinar on **“Role of Science for Sustainable Rural Development of Uttarakhand-2021”** February 28, 2021 [Organized by: Department of Higher Education, Uttarakhand]
3. Certificate of Participated Proudly Present on, International Webinar on **“Production of Radionuclides and their Application in Medical Imaging & Therapy”** June 10, 2021 [Organized by: Department of Chemistry, Chaudhary Bansi Lal University, Bhiwani, Haryana, India]
4. Certificate of Participation in **“Principles of Vedic Mathematics”** 08 Nov. to 12 Nov 2021. [Organized by: Central University of Himachal Pradesh, Shahpur, Kangra]
5. Certificate of Participation on **“Relevance of Vedic Mathematics in today’s scenario”**. 03 Sept 2021 [Organized by: Central University of Himachal Pradesh, Shahpur, Kangra]
6. Certificate of Participation in **Vedic Mathematics**, Department of Mathematics, 31 Aug. to 09 Sept. 2021 [Organized by: Chaudhary Bansi Lal University, Bhiwani in collaboration with Shiksha Sanskriti Utthan Nyas, New 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. Certificate of Participated, National Webinar on **“Challenges and Opportunities of Digital Higher Education in Post Corona Scenario”** 4th May 2020 [Organized by: SWAMI SHUKDEVANAND COLLEGE SHAHJAHANPUR (U.P.) & DR. JANAK SINGH SOCIOCULTURAL EDUCATIONAL SOCIETY BAREILLY (U.P.)]
9. 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 PMMMMNMTT]

10. Certificate of Participated, National Webinar on “**Occupied Territories of Ladakh**” 18 May 2020 [Organized by: Shaheed Bhagat Singh Evening College, University of Delhi]
11. Certificate of Participated, Virtual International Workshop on “**Current Trajectory of India’s Foreign Policy**” 17-20 June 2020 [Organized by: Shaheed Bhagat Singh Evening College, University of Delhi]
12. Certificate of Participated, National Webinar on “**Genome-Wide Changes Under Microgravity**” 15 May 2020 [Organized by: School of Life Sciences, Central University of Himachal Pradesh]
13. Certificate of Participated, National Workshop on “**Importance and Role of Sanskrit language in science**” 09 March 2019, Central Institute of Education (CIE), University of Delhi. [Organized by: Central Institute of Education (CIE), University of Delhi]
14. Certificate of Participated, National Workshop on “**Emerging Green Technology and Technical Terminology**” 13-14 February 2019, Department of Chemistry, Ramjas College, University of Delhi. [Organized by: Department of Chemistry, Ramjas College, University of Delhi]
15. Certificate of Participated as an Advisory Committee in the, National Webinar on “**Role of Science for Sustainable Rural Development of Uttarakhand-2021**” February 28, 2021 [Organized by: Department of Higher Education, Uttarakhand]
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19. Certificate of Participated, Faculty Development Programme on, National Webinar on, Topic: “**ICT Enabled Higher Education in India: Challenges and Opportunities**” Sponsored by ministry of Human Development, Government of India ”17 April- 2020, [Organized by: Guru Angad Dev Teaching Learning Center SGTB Khalsa College (DU), Under PMMMMNMTT]

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21. Certificate of Participated, Virtual International Workshop on “**Current Trajectory of India’s Foreign Policy**” 17-20 June 2020 [Organized by: Shaheed Bhagat Singh Evening College, University of Delhi]

22. Certificate of Participated, National Webinar on “**Genome-Wide Changes Under Microgravity**” 15 May 2020 [Organized by: School of Life Sciences, Central University of Himachal Pradesh]

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24. Certificate of Participated, National Workshop on “**Emerging Green Technology and Technical Terminology**” 13-14 February 2019, Department of Chemistry, Ramjas College, University of Delhi. [Organized by: Department of Chemistry, Ramjas College, University of Delhi]

25. Participated in International Conference on “**International Conference on Materials Science and Technology**”, 01 - 04 March 2016, Conference Center, University of Delhi. [Organized by: Department of Chemistry, University of Delhi]

26. Participated in National Seminar on “**Role of Analytical Sciences in Sustainable Development**”, 04-05 March 2016, Hansraj College, University of Delhi. [Organized by: Hansraj College, Indian Society of Analytical Scientists Delhi Chapter and Petrotech Society of India]

27. 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, University of Delhi]

28. Participated in National Symposium on “**National Symposium on Nanobiotechnology**”, 31 March- 1 April 2016, Department of Biotechnology, Teri University, New Delhi. [Organized by: Teri University Biotechnology Society at Teri University, New Delhi]

29. Participated as an Adviser, National Seminar on “**Emerging Trends in Sciences**”, 18 October 2015, Department of Chemistry, Ramjas College, University of Delhi. [Organized by: Ramjas College, University of Delhi]

30. 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, University of Delhi]

31. Participated in International Indo-German Workshop on **“Supramolecular Chemistry”**, 30 March 2015, Department of Chemistry, University of Delhi. [Organized by: Department of Chemistry, University of Delhi]
32. 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]
33. 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]
34. 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]
35. Participated in National Symposium on, **“CME Programme of Evaluation of Drug Safety”** 05 April 2013, Vallabhbhai Patel Chest Institute, University of Delhi, India. [Organized by: Vallabhbhai Patel Chest Institute, University of Delhi]
36. Participated in National Symposium on, **3th national Agrochemical Conference 2013**, July 30-31, 2013, at Federation House, New Delhi, India. [Organized by: Department of Agriculture and Cooperation Government of India, Department of Chemicals and Petrochemicals Government of India, and Department of Fertilizer Government of India]
37. 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]
38. Participated in International Symposium on, 2th Indo-Italian Workshop on **“ELECTROCHEMISTRY FOR FUTURE ENERGY SOLUTION”** 30th Dec to 3rd Nov 2011, Department of Chemistry, University of Delhi, India. [Organized by: Department of Chemistry, University of Delhi]
39. Celebration of the International Year of Chemistry, Research Scholar as member of the organizing, on 31 March 2011, department of chemistry, the University of Delhi [Organized by: Department of Chemistry, University of Delhi]
40. Participated in National Workshop on **“Renewable Energy and Environment”**, 28-29 January 2011, Department of Chemistry, Ramjas College, University of Delhi. [Organized by: Ramjas College, University of Delhi]

41. Participated in National Symposium on “**Translational Research in New Drug, Development**”, 12-13 January 2011, Vallabhbhai Patel Chest Institute, University of Delhi, India. [Organized by: Vallabhbhai Patel Chest Institute, University of Delhi]

42. Participated in International Seminar on, 4th Indo-Italian Workshop on “**Green Chemistry and Natural Product**” on 17th November 2010, at Department of Chemistry, University of Delhi, India. [Organized by: Department of Chemistry, University of Delhi]

43. Participated in International Workshop on, 7th Indo-Italian Workshop on “**Chemistry and Biology of Antioxidants**” on 16th November 2010, at Department of Chemistry, University of Delhi, India [Organized by: Department of Chemistry, University of Delhi]