




Faculty Details for College Web-site

**Hansraj College,
University of Delhi,
Delhi-110036**



Title	Dr.	First Name	Ambika	Last Name		Photograph
Designation	Associate Professor (Chemistry)					
Address	Department of Chemistry, Hansraj College, University of Delhi, Delhi-110007					
Phone No Office	011 – 27667548					
Residence	-					
Mobile	9911385535					
Email	ambika@hrc.du.ac.in ambikasinghrc@gmail.com					
ORCID iD	0000-0002-7301-9875					
Scopus ID	23666614100					
Educational Qualifications: M.Sc., Ph.D						
Degree	Institution			Year		
B.Sc. (H) Chemistry	University of Delhi			2001		
M.Sc. (Chemistry)	University of Delhi			2003 Specialization: Organic Chemistry		
Ph.D (Bio-Organic Chemistry)	University of Delhi			2008 Thesis Title: Isolation and chemical studies of active constituents from selected medicinal plants.		
Certificate In Computing (CIC)	Indira Gandhi Open University (IGNOU)			2002		
Career Profile						
Adhoc Experience: Hansraj College, November 2007-December 2014. Permanent: 20-12-2014 to Till date, Assistant Professor (AGP 6000), Department of Chemistry, Hansraj College, University of Delhi, Delhi						
Administrative Assignments						
<ol style="list-style-type: none"> 1. Garden committee (Member), 2022-23. 2. Enviroment Awareness Committee (Member) 2022-23. 3. Enviroment Awareness Committee (Member) 2021-22. 4. Woman Development cell committee (Member) 2021-22. 						

5. Woman Development cell committee (**Member**) 2020-21.
6. Gyan setu Scheme, Coordinator, Lachoo memorial College, Jodhpur.
7. Canteen committee (**Member**), 2020-21.
8. Canteen committee (**Member**), 2021-22.
9. Extra curricular activity committee (ECA **Convener**), 2017-18.
10. Environment Awareness Committee (**Member**) 2017-18.
11. Departmental Library committee(**Member**) 2021-22.
12. Departmental Apparatus committee (**Member**) 2021-22.
13. Departmental Apparatus committee (**Member**) 2022-23
14. Departmental Library Committee (**Convener**) 2017-18.
15. Departmental Chemical Society (**Member**) 2017-18.
16. Extra curricular activity committee (ECA **Convener**), 2016-17.
17. Garden committee (**Member**) 2016-17.
18. Departmental Chemical Society (**Member**) 2016-17.
19. Departmental Library Committee (**Member**) 2016-17.
20. Environment Awareness Committee (**Member**) 2015-16.
21. Garden committee (**Member**) 2015-16.
22. Departmental Library Committee (**Member**) 2015-16.

Areas of Interest / Specialization

Bio-Organic Medicinal Chemistry, Nanotechnology

Subjects Taught

1. Organic Chemistry
2. Bio-Organic Chemistry
3. Environmental Science

Research Guidance

Guided Summer projects

Supervised in Inter-College Summer Project-2012, Organised by Department of Chemistry, Swami Shraddhanand College, University of Delhi, June, **2012**.

PUBLICATIONS PROFILE

Book Published

1. Pradeep Pratap Singh & **Ambika**, "**Organic Spectroscopy**", Book published by "Viva Books Private Limited" New Delhi, **2018**, ISBN: 9789387925120.
2. Pradeep Pratap Singh & **Ambika**, Basic Concept Of organic Chemistry, Book published by S. Chand Delhi, India, 2022, ISBN: 9789355016218.

Research Publications (International Journals)

1. **Ambika**, Pradeep Pratap Singh. Supported Ionic liquids and their applications in Organic Transformations. *Current Organic Synthesis*, 2022, ISSN: 1570-1794.
2. **Ambika**, Pradeep Pratap Singh. Carbon–Carbon Bond Formation for the Synthesis of 5-Aryl-2-Substituted Furans Catalyzed by $K_3[Fe(CN)_6]$. *Catalysis Letters*, <https://doi.org/10.1007/s10562-021-03799-y>, Impact factor: 3.186; ISSN: 1011-372X.
3. Avinash Kumar, Vijay Rani Rajpal, **Ambika**, Rachayya Mallikarjun Devarumath, Amita Kumari, Rakesh Thakur, Manju Chaudhary, Pradeep Pratap Singh, Shiv Murat Singh Chauhan,

- Soom Nath Raina, Isolation and HPLC assisted quantification of two iridoid glycoside compounds and molecular DNA fingerprinting in critically endangered medicinal *Picrorhiza kurroa* Royle ex Benth: implications for conservation. *Physiology and Molecular Biology of Plants* (April 2021) 27(4):727-746; Impact factor: 2.391; ISSN: 0974-0430
4. Pradeep Pratap Singh, **Ambika**, *Cosmetics: A Dark Fantasy And Their Potential Substitutes*, Hans Shodh Sudha, 2020, 1, 57-67.
 5. **Ambika**, Pradeep Pratap Singh. Carbon Nanocomposites: The Potential Heterogeneous Catalysts For Organic Transformations. *Current Organic Chemistry*, 2021, 24, 332 - 350, ISSN: 1875-5348; Impact factor: 2.18; ISSN: 1875-5348.
 6. Pradeep Pratap Singh, **Ambika**, S.M.S. Chauhan. Synthesis of 3,4-dihydropyrimidin-2(1H)-ones derivatives of acid sensitive aldehydes catalyzed by lanthanum nitrate in ionic liquids. *Journal of Materials NanoScience*, 2016, 3(1), 14-16; ISSN: 2394-0867
 7. **Ambika**, Pradeep Pratap Singh. Solvent free synthesis of 1,5-benzodiazepines catalyzed by zirconium nitrate. *Advanced Organic Chemistry Letters*, 2016, 3(1), 1-3; ISSN 2348-1889
 8. **Ambika**, Pradeep Pratap Singh, S.M.S. Chauhan. Activity guided isolation of antioxidants from *Terminalia arjuna*. *Natural Product Research* (Taylor & Francis), 2014, 28, 760-763. Impact factor: 2.861; ISSN 1478-6419; SJR: 0.37; H index: 30; Citation: 7.
 9. Pradeep Pratap Singh, **Ambika** and S.M.S. Chauhan. Activity guided isolation of antioxidants from the roots of *Rheum emodi*. *Natural Product Research* (Taylor & Francis), 2013, 27, 946-949. Impact factor: 2.861; ISSN 1478-6419; SJR: 0.37; H index 30; Citation: 4
 10. Pradeep Pratap Singh, **Ambika** and Shive Murat Singh Chauhan. Chemoselective epoxidation of substrate containing both electron rich and electron deficient olefins catalyzed by meso-tetraarylporphyrin iron(III) chlorides in imidazolium ionic liquids. *New Journal of Chemistry* (Royal Society of Chemistry), 2012, 36, 650-655. Impact factor: 3.591; ISSN 1144-0546; SJR: 0.93; H index 90; Citation: 8
 11. Pradeep Pratap Singh, **Ambika** and Shive Murat Singh Chauhan. Activity guided isolation of antioxidant xanthenes from *Swertia chirayita* (Roxb.) H. Karsten (Gentianaceae). *Natural Product Research* (Taylor & Francis), 2011, 26, 1682-1686. Impact factor: 2.861; ISSN 1478-6419; SJR: 0.37; H index 30; Citation: 17
 12. Pradeep Pratap Singh, **Ambika**, S.M.S. Chauhan. Activity guided isolation of antioxidants from the leaves of *Ricinus communis* L. *Food Chemistry* (Elsevier), 2009, 114, 1069-1072. Impact factor: 7.514; ISSN 0308-8146; SJR: 1.42; H index 151; SNIP: 1.930; Citation: 33
 13. **Ambika**, Pradeep Pratap Singh, S.M.S. Chauhan. Chemoselective esterification of phenolic acids in the presence of sodium bicarbonate in ionic liquids. *Synthetic Communication* (Taylor & Francis), 2008, 38, 928-936. Impact factor: 2.007; ISSN 1532-2432; SJR: 0.28; H index: 57; Citation: 11

RESEARCH PUBLICATIONS (NATIONAL JOURNALS)

1. **Ambika**, Saraswati Kanodia, Pradeep Pratap Singh, Parveen Garg, S.M.S. Chauhan. Phytoconstituents from the roots and rhizomes of *Gentiana kurroo* and their antioxidant potential, *Journal of the Asiatic Society of Mumbai*, UGC Care Group 1 Journal, Impact factor: 3.9, Vol. 97, No.3 (I) March 2023, 105-111.
2. **Ambika**, Pradeep Pratap Singh, Satish Chand, Dinesh Kumar Gautam, Rishabh Kumar, Kritika Nagpal, Ritika Verma, Manika Mittal, Nidhi Kaushik, Simaranjeet Kaur, Niyati Piplani, Shubham Mukherjee, Sonal Gupta and Rajnish Rai. Interaction studies of carbon

monoxide and iron porphyrins in ionic liquids. **DU Journal of Undergraduate Research and Innovation**, 2016, 2(1), 13-19. ISSN: 2395-2334.

Book Chapter Published/Monographs in Edited Books/Conference Proceedings (along with title of the book, publisher and ISBN No and year of publication).

CHAPTERS in "INTERNATIONAL BOOKS"

1. Pradeep Pratap Singh, **Ambika**. Chapter 13: Solid waste management through the concept of zero waste, Emerging trends to Approaching Zero Waste, **Elsevier**, 2021, 293-318.
2. Pradeep Pratap Singh, **Ambika** and Maya Verma. Chapter 3: Recent Advances in Alternative Sources of Energy, In book entitled "Energy: Crisis, Challenges and Solutions" Editors: Pradeep Singh, Suruchi Singh, Gaurav Kumar, Pooja Baweja. 2021, 55-71, ISBN: 9781119741442.
3. **Ambika**, Pradeep Pratap Singh, Chapter: Nanocosmetics: Opportunities and Risks, in the book entitled "**Handbook of Consumer Nanoproducts**" edited by **Shadpour Mallakpour, Dr. Chaudhery Mustansar Hussain, Springer**, Singapore, 2021, ISBN: 978-981-15-6453-6.
4. Pradeep Pratap Singh, **Ambika**, Chapter 15: Carbon based nanocomposites: Preparation and application in environmental pollutants removal, in the book entitled "Environmental Remediation through Carbon Based Nano Composites", Editors: Jawaid, M., Ahmad, A., Ismail, N., Rafatullah, M. (Eds.), published by Springer Nature, **Switzerland AG, Gewerbestrasse 11, 6330 Cham, Switzerland** 2021, 203-229, ISBN: 9789811566981.
5. **Ambika**, Pradeep Pratap Singh, *Chapter 7: Advances in Carbon Nanomaterial-Based Green Nanocomposites* in the book entitled "Emerging Carbon-Based Nanocomposites for Environmental Applications", Editors: Ajay Kumar Mishra, Chaudhery Mustansar Hussain, Shivani Bhardwaj Mishra, published by Wiley Scrivener Publishing LLC, 2020, 175-201, ISBN: 9781119554851.
6. **Ambika**, Pradeep Pratap Singh, *Chapter 13: Natural polymers-based hydrogels for adsorption applications* in the book entitled "*Natural Polymers-based Green Adsorbents for Water Treatment*", Susheel Kalia, published by ELSEVIER, 2021, (In press) ISBN: 9780128205419. (27 August 2021)
7. Pradeep Pratap Singh, **Ambika**, *Chapter 4, Ruthenium Compounds: A New Approach in Nanochemistry*, in the book entitled Ruthenium Chemistry, *Ajay Kumar Mishra, Lallan Mishra*, published by Pan Stanford Publisher, Singapore, 2018, 91-110, ISBN: 9789814774390.
8. Pradeep Pratap Singh, **Ambika**, *Chapter 3: Nanotechnology: An Emerging Field for Sustainable Water Resources*, in the book entitled Nanotechnology for Sustainable Water Resources, 2018, published by Wiley-Scrivener Publishers, USA, ISBN: 9781119323594.
9. Pradeep Pratap Singh, **Ambika**, *Chapter 13, Biopolymers: Recent trends and their Applications*, in the book entitled Biopolymers: Structure, Performance and applications, published by Nova Science Publishers, AK Mishra, CM Hussain, SB Mishra, New York, USA, 2017, 271-286, ISBN: 9781536118469.
10. Pradeep Pratap Singh, **Ambika**, *Chapter 1, Recent Trends In Sol-Gel Based Nanoceramics*, in the book entitled "Smart Ceramic: Preparation, Properties and Applications", AK Mishra, published by Pan Stanford Publisher, Singapore, 2017, 1-21, ISBN: 9789814774307.
11. **Ambika**, Pradeep Pratap Singh, *Chapter, Nanomaterials: Versatile Tools for Water Remediation*, in the Book entitled "Nanomaterials for water remediation inorganic oxide

material”, 2016, 2, 189-210, published by Smithers RAPRA Publisher, UK, ISBN: 9781911088011.

12. **Ambika**, Pradeep Pratap Singh, *Chapter 9*, Polymeric Nanospheres for Organic Waste Removal, in the Book entitled 'Smart Materials for Waste Water Applications' 2016, 237-256, published by John Wiley & Sons, Inc. Hoboken, New Jersey, USA, ISBN: 9781119041184.
13. Pradeep Pratap Singh, **Ambika**. *Chapter 7*: Bentonites: A versatile clay, in book entitled 'Bentonite: Characteristics, Uses and implications for the environment', 2015, 151-172, published by Nova Publishers, USA, ISBN: 9781634821872.
14. Pradeep Pratap Singh, **Ambika**. *Chapter 6*, Recent advances of multifunctional nanomedicines, in the book entitled 'Nanomedicine for Drug Delivery and Therapeutics', 2013, 163-184, published by John Wiley & Sons, Inc. Hoboken, New Jersey, USA, ISBN: 9781118414095.

Monographs in “INTERNATIONAL BOOKS”

1. Ambika, Pradeep Pratap Singh, Chapter 9: Functionalized Magnetic Carbon Nanomaterials For Environmental Remediation, *Environmental Applications of Carbon Nanomaterials-Based Devices, Shadpour Mallakpour, Chaudhery Mustansar Hussain*, Wiley-VCH, 2021, 227-250, ISBN: 9783527348657.
2. Ambika, Pradeep Pratap Singh, Chapter 25, Monograph: Nanotechnology: Greener Approach for Sustainable Environment, Nanotechnology in Environmental Science, Hussain CM, Mishra AK, 2018, 805-824, published by Wiley-VCH Publishers, USA, ISBN: 9783527342945.
3. Pradeep Pratap Singh, Ambika, Chapter 10: Environmental Remediation by Nano Adsorbents based Polymer nanocomposite, in the book "New Polymer Nanocomposites for Environmental Remediation", Chaudhery Mustansar Hussain, Ajay Kumar Mishra, published by ELSEVIER, 2018, 223-241. ISBN: 9780128110331.
4. Pradeep Pratap Singh, **Ambika**, Chapter 4: Dimensions of Nanocomposites in Pollution Control, in the book Nanocomposites for pollution control, Part 1 - Nanocomposite - A new dimension towards pollution control, *Chaudhery Mustansar Hussain, Ajay Kumar Mishra*, published by Pan Stanford CRC Press, 2018, 107-126, ISBN: 9789814774451.

CHAPTERS in “NATIONAL BOOKS”

1. Pradeep Pratap Singh, **Ambika**. *Chapter 3*, Ionic liquids: Green solvents for the future, in the book entitled 'Ecodevelopment: Global Perspectives', 2011, 44-60, published by 'Research India Press' New Delhi, ISBN: 9788189131463.
2. Pradeep Pratap Singh, **Ambika**. *Chapter 7*: Antioxidants: The free radical scavengers, in the book entitled "Progress in environmental management, Indian experiences", 2014, 100-120, publishing by 'Research India Press' New Delhi, ISBN: 9788189131913.
3. S.M.S. Chauhan, **Ambika**, T. Bisht, Pradeep Pratap Singh. *Chapter 20*, "Bioactive compounds from Himalayan medicinal plants" in the book entitled 'Herbal Drugs: A twenty first century perspective', 2005, 190-199, published by 'Jaypee Brothers Medical Publishers (P) Ltd.' New Delhi, ISBN: 8180618501.

Conference Organization/ Presentations (During last three years)

Organised Faculty Development Programme

- Served as a convener in organising one week FDP entitled "Waste management During pandemic and its impact on circular economy" organised by Department of Chemistry & Commerce in collaboration with Mahatma Hansraj faculty Development Centre Hansraj College University of Delhi, A centre of MHRD, Govt. Of India, under Pandit Madan Mohan Malviya National Mission on Teachers and Teaching (PMMMNTT) from 22-26 November 2021.

Organised Seminar/Conference/Symposia

- Served as a convener in organising one day International Conference (Online) entitled " Emerging Trends in Chemical and Applied Sciences for Sustainable Future " organised by Department of Chemistry In Collaboration with IQAC, Hansraj College University of Delhi, On 30th October 2021.
- Served as an organizing committee member in the National seminar on " National Seminar on New frontiers in Biosensing "organized by Department of Chemistry and In Collaboration with IQAC, Hans Raj College University of Delhi, from April 3, 2021.
- Served as an organizing committee member in the National seminar on "Role of Analytical Sciences in sustainable development"organized by Department of Chemistry, Hans Raj College University of Delhi, in collaboration In Collaboration with IQAC, Hansraj College University of Delhi, , from 28 February, 2019.
- Served as an organizing committee member in the National seminar on "Role of Analytical Sciences in sustainable development"organized by Department of Chemistry, Hans Raj College University of Delhi, in collaboration with Indian Society of Analytical Scientists-Delhi Chapter (ISAS-DC) Petrotech Society of India, from March 4-5, 2016.
- Served as the organising committee member in Indo-Portuguese workshop on Emerging trends of nanotechnology in chemistry and biology, jointly Organized by Department of Chemistry Hansraj College and Deshbandhu College, University of Delhi, India. February 12-13, 2016.

Abstract Published in CONFERENCE PROCEEDINGS/Peer Reviewed journals

1. **Ambika**, Anjali Saxena, Vijay Rani Rajpal, **Pradeep Pratap Singh**, Gurjot, Pratibha Meshram, Urmi Chaudhary, Kanika, Anisha Arora, Antra, Akanksha Sharma, Sumit Sangwan, Nikhil, Divya Kakkar, "**Herbal cosmetics with anticancer and antimicrobial properties**", Proceedings of International conference on use of Nanotechnology in Chemistry and Biology. *Journal of Materials Nanoscience*, 2016, 3(1), S15, ISSN: 2394-0867.
2. Akshat Verma, Vinay Gupta, Dileep Kumar Ojha, **Pradeep Pratap Singh** and Ambika. **The "Dark World" of Cosmetics**. Proceedings of National conference on "Role of Analytical Sciences in Sustainable Development". *Journal of Integrated Science & Technology*, 2016, 4(2), S1-S23 (S17), ISSN: 2321-4635.
3. Kanika and **Ambika**. Entitled "**Biodiesel: A Sustainable fuel Alternative.**" Proceedings of National conference on "Role of Analytical Sciences in sustainable development". *Journal of*

Contribution in Conferences /Symposia/Seminars/Workshops:

Paper/Poster Presented

International

1. Poster presented in the Indo-Portuguese workshop on Emerging trends of nanotechnology in chemistry and biology, Entitled "Herbal Cosmetics" with Anticancer and Antimicrobial properties, jointly Organized by Department of Chemistry Hansraj College and Deshbandhu College, University of Delhi, India. February 12-13, **2016**.

National

1. Poster presented in the Research Display at the convocation Ceremony, Project code: HRC: 303, Project title: Extraction and utilization of natural pigments in cosmetics, organised by University of Delhi on 19th November, **2016**.
2. Poster presented in the National Conference on Combating Industrial pollution for sustainable environment- A fusion of Industrial and Scientific efforts (CIPSE-2016), organised by Department of Chemistry, Gargi College, University of Delhi. 22-23 September, **2016**.

Oral Presentation

Paper presented entitled " Carbon nanocomposites and their application in environmental remediation " in the International conference online", organized by Department of Chemistry, Rajdhani College, University of Delhi, 21st April March, **2021**.

Oral presentation entitled "Efficient synthesis of 10,10'-bis(isoalloxazines) and their non-covalent interactions" in the National Seminar on "Emerging Economics and Challenges to Sustainability Towards Developing Nation", organized by Sri Aurobindo College, University of Delhi, 29-30 March, **2016**.

Invited Talk:

Served as a speaker in a national webinar, on Zero Waste Tools: The Smart Strategy for Future, DBT sponsored Department of Chemistry, Kishinchand Chellaram College, HNSC University, Mumbai on 9 October, 2021.

Attended symposia

1. Attended National Seminar on "Geogenic Contamination of Ground Water (GCG)" Organized by Department of Regional Water Studies, TERI University on April 22nd, **2016**.
2. Attended National Workshop on "Role of scientific and technical terminology in Higher Education", Organized by Sri Aurobindo College, University of Delhi, and Commission for Scientific and Technical Terminology, Ministry of Human resource and Development, Govt. of India, from February 16-17, **2016**.
3. Attended National Workshop on "Role of scientific and technical terminology in Higher Education", Organized by Hansraj College, University of Delhi, and Commission for Scientific and Technical Terminology, Ministry of Human resource and Development, Govt. of India, from July 23-24, **2015**.

Research Projects (Innovation/Minor/Major Grants/Research Collaboration)
<ol style="list-style-type: none"> 1. Innovative Project entitled "Developing a Synthetic Molecule Imitating the Properties of Hemoglobin to Reduce Carbon Monoxide emission from Automobile Exhaust" (HR 205), Grant: 6.5 lakh, Funded by University of Delhi, Duration 2013 to 2015. 2. Innovative Project entitled "Extraction and utilization of natural pigments in cosmetics" (HRC-303), Grant: 3.5 lakh, Funded by University of Delhi, Duration 2015 to 2016. 3. Project entitled " Utilization of organic solid waste for the synthesis of metal/metal oxide based nanomaterials for wastewater remediation", Funded by Hansraj College, University of Delhi, sanctioned 2022.
Awards and Distinctions
<p>"Best Poster Award" in Research Display at the convocation ceremony, organised by University of Delhi, Project code: HRC 303, Project title: Extraction and utilization of natural pigments in cosmetics on 19th November, 2016.</p>
Association With Professional Bodies
<ol style="list-style-type: none"> 1. Life member of "Green Chemistry Network Centre" (GCNC), University of Delhi. 2. Life member (LMT- 2011 / 14) of "Indian Society of Analytical Scientists" (ISAS), Analytical Chemistry Division, BARC, Trombay, Mumbai-400085, Delhi Chapter.
Other Activities
<p>Orientation/Refresher Course</p> <ol style="list-style-type: none"> 1. Swayam Arpit Online Course, Online Refresher Course in Chemistry for Higher Education Faculty with a "A" Grade in the proctored examination held on 30.03.2019, Offered by Sri Guru Tegh Bahadur Khalsa College, Delhi. 2. Attended 21 day "Refresher course" organized by CPDHE-HRDC, University of Delhi, from 26th June to 16th July 2015. 3. Attended one month "Orientation course (OR-82)" organized by CPDHE-HRDC, University of Delhi, from 17th November to 15th December 2015.
<p>Resource Person In Add-On Course</p> <ol style="list-style-type: none"> 1. Served as a resource person in organising one day Skill enhancement workshop on Formulation of natural cosmetics (31 August, 2022) organised by Rasayanatva, Chemical Society, Department of Chemistry, Hansraj College, University of Delhi. 2. Resource Person in the Add-on Course " Hand Hygiene Protocols during Pandemic " in the

Laboratory Skills, Chemical Hazards And Safety Measurements and their Laboratory Preparations , organized by Department of Chemistry Hansraj College, University of Delhi, from 25th - 27th August, **2021**.

3. Resource Person in the Add-on Course "**An Integral Perspective for Skill Augmentation**" organized by Department of Zoology, Swami Shraddhanand College, University of Delhi, from 23rd February to 5th March, **2016**.
4. Actively Participated as a "**Resource Person**" in the "**INSPIRE** Internship Programme-2012," organised by Department of Science and Technology (DST), Government of India and Hans Raj College, University of Delhi, from December 17-21st, **2012**.

Edited Proceedings

Edited the proceedings for **Indo-Portuguese workshop** on Emerging trends Of nanotechnology in chemistry and biology, jointly Organized by Department of Chemistry Hansraj College and Deshbandhu College, University of Delhi, India. February 12th-13th **2016**, published by *Journal of Materials Nanoscience*, **2016**, 3(1), S15, ISSN: 2394-0867.

Symposium/Conferences/Seminar/Workshops: (Organised/paper presented/attended) during 2004-2014

International

1. Poster presented in Indo-Italian seminar entitled "Synthesis of 10-10' methylenebis(isoalloxazines) and their noncovalent interactions", organised by Department of Chemistry, University of Delhi. 5-6th December, **2008**.
2. Poster presented in International Symposia Green/sustainable chemistry, entitled "Isolation of bioactive compounds from *Gentiana kuroo*", organised by Department of Chemistry, University of Delhi. 10-13 January, **2006**.
3. Poster presented in International Symposia Biodiversity and Natural products: Chemistry and Medicinal Applications entitled "Isolation of bioactive compounds from *Picrorhiza kurroa*", organised by Department of Chemistry, University of Delhi. 26-31 January, **2004**.

National

1. Poster presented in the National Seminar on Green Chemistry and Natural Products, organised by Department of Chemistry, University of Delhi. 26-27th November, **2007**.
2. Poster presented in 6th Annual Symposium on Frontiers in Biomedical Research, organised by Dr. B.R. Ambedkar Centre for Biomedical Research, University of Delhi. 30 November- 2 December, **2006**.
3. Poster presented in the 41st annual convention of chemists (Indian Chemical Society), organised by Department of Chemistry, University of Delhi. 23-27 December, **2004**.

Organized workshop

1. Served as a convener in organising one day Skill enhancement workshop on Formulation of herbal soaps (24 February, 2023) organised by student learning centre, IQAC Hansraj college,

DU under the canopy of Peer to peer mentoring programme.

2. Served as a convener in organising one day Skill enhancement workshop on Formulation of herbal colours (23 February, 2023) organised by Rasayanatva, Chemical Society, Department of Chemistry, Hansraj College, University of Delhi.
 3. Served as a convener in organising one day Skill enhancement workshop on Formulation of natural cosmetics (31 August, 2022) organised by Rasayanatva, Chemical Society, Department of Chemistry, Hansraj College, University of Delhi
 4. Served as a convener in organising one day workshop on waste to wonder ! A vertical garden from used plastic bottles" (13 February, 2023) organised by garden committee and Environmental awareness committee Hansraj College, University of Delhi, in collaboration with smiling tree foundation.
 5. Served as a convener in organising one day International Conference (Online) entitled " Emerging Trends in Chemical and Applied Sciences for Sustainable Future " organised by Department of Chemistry In Collaboration with IQAC, Hansraj College University of Delhi, On 30th October 2021.
 6. Program Coordinator of the National Seminar on "Environment and Sustainability in The Third World" by the Department of Chemistry & IQAC, Hansraj College, University of Delhi, 28 February, 2020.
 7. Organizing committee member in DBT sponsored workshop on "Relevance of experimental chemistry to biotechnology" held at Hansraj college, University of Delhi, 12-13 March 2014.
- Invited Talk

Attended Symposia

International

1. Attended International Conference on "Interface between Chemistry and Environment (ICICE)" organized by Department of Chemistry, Ramjas College, University of Delhi on 13-14 December 2012.
2. Attended International Conference on "Biodiversity, environment and sustainability challenges for future", organised by Swami Shradhanand College, University of Delhi. 4-6 September, 2008.

National

1. Participated in "National Seminar on Chemistry in Interdisciplinary Applications," held at Hansraj College University of Delhi. 19th March, 2013.
2. Attended National seminar on "Application of analytical techniques in Chemistry", organised by Kirorimal College and Indian Society of Analytical Scientists (ISAS), University of Delhi. 27-29 January, 2011.
3. Attended national seminar on "Relevance of botany in the conversion and improvement of plants", organised by Department of Botany, University of Delhi, 8-9 February, 2006.
4. Attended national conference on "Advances in technologically important crystals", 12-14 October, 2006.

Workshops

1. Attended National Workshop on Theory and practical course, Biochemistry and Environment Chemistry", B.Sc. (H) Chemistry (CHHT-514 and CHHP-514), Organised by Department of Chemistry, University of Delhi, June, 2012.

2. International workshop on green chemistry, Organised at Department of Chemistry, University of Delhi, December, **2010** by Royal Society of Chemistry (RSC), London.

Organised following events in the College as ECA convener

1. ECA trials for theater (Dramatics and Street Play) during 7-16 July 2016.
2. College orientaion on 19th July 2016
3. College Foundation day on 12th July 2016.
4. Street play "quit india" on 9th August 2016
5. Promotion of patriotic movie rustom on 10th August 2016
6. Independence day celebration and painting competition under the theme of 70th year of Independence on 12th August 2016
7. ECA Orientation Programme on 23rd August 2016
8. Teacher's Day on 5th September 2016
9. Four day event for multi-talented students in collaboration with Storry mirror foundation during 5-8 October 2016
10. Lecture demonstration on 'Odissi Dance' by Meghna Das on 26th October 2016.
11. Diwali celebration in honour of soldiers of the countey in colaboration with chetna team entitled "DEEPOTSAV: Jab Desh Mai Thi Diwali Woh Khel Rahe The Holi" on 28th October 2016.

(Dr. AMBIKA)

Signature of Faculty Member