



Faculty Details for College Web-site

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



Title	Dr.	First Name	Ambika	Last Name	Photograph
Designation		Assistant Professor (Chemistry)			
Address		Department of Chemistry, Hansraj College, University of Delhi, Delhi-110036			
Phone No	Office	011 – 27667548			
Residence		-			
	Mobile				
Email		ambikasinghrc@gmail.com			
Web-Page		-			
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. Canteen Committee (member) 2020-21. 2. Woman development cell (Member) 2020-21. 3. Departmental Instrumentation Committee (member) 2020-21. 4. Departmental Library Committee (member) 2020-21. 5. Garden committee (Member) 2019-20. 6. Environment Awareness Committee (Member) 2019-20. 7. Departmental Library Committee (Member) 2019-20. 8. Departmental Chemical Society Committee (Member) 2019-20. 9. Extra curricular activity committee (ECA Convener), 2017-18. 10. Environment Awareness Committee (Member) 2017-18. 					

11. Departmental Library Committee (**Convener**) 2017-18.
12. Departmental Chemical Society (**Member**) 2017-18.
13. Extra curricular activity committee (ECA **Convener**), 2016-17.
14. Garden committee (**Member**) 2016-17.
15. Departmental Chemical Society (**Member**) 2016-17.
16. Departmental Library Committee (**Member**) 2016-17.
17. Environment Awareness Committee (**Member**) 2015-16.
18. Garden committee (**Member**) 2015-16.
19. Departmental Library Committee (**Member**) 2015-16.

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 orientation 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.
Diwali celebration in honour of soldiers of the country in collaboration with chetna team entitled "DEEPOTSAV: Jab Desh Mai Thi Diwali Woh Khel Rahe The Holi" on 28th October 2016.

Areas of Interest / Specialization

Bio-Organic Medicinal Chemistry, Nanotechnology

Subjects Taught

1. Basic-Organic Chemistry
2. Bio-Organic Chemistry
3. Environmental Science
4. Green Chemistry
5. Stereochemistry
6. Spectroscopy
7. Cosmetics and perfumes
8. Biochemistry

Research Guidance

Guided Summer projects

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

Book Published

Pradeep Pratap Singh & Ambika. "Organic Spectroscopy", Book published by "Viva Books Private Limited" New Delhi, 2018. ISBN: 9789387925120.

Research Publications (International Journals)

1. **Pradeep Pratap Singh**, Ambika, Cosmetics: A Dark Fantasy And Their Potential Substitutes, **Hansshodh**, 2020.
2. Ambika, **Pradeep Pratap Singh**. Carbon Nanocomposites: The Potential Heterogeneous Catalysts For Organic Transformations. **Current Organic Chemistry**, 2020, **24**, 1-20, ISSN: 1875-5348.
3. **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
4. 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
5. 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: 1.999; ISSN 1478-6419; SJR: 0.37; H index: 30; Citation: 7.
6. **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: 1.999; ISSN 1478-6419; SJR: 0.37; H index 30; Citation: 4
7. **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: 3.069; ISSN 1144-0546; SJR: 0.93; H index 90; Citation: 8
8. **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: 1.999; ISSN 1478-6419; SJR: 0.37; H index 30; Citation: 17
9. **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: 5.399; ISSN 0308-8146; SJR: 1.42; H index 151; SNIP: 1.930; Citation: 33
10. 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: 1.439; ISSN 1532-2432; SJR: 0.28; H index: 57; Citation: 11

RESEARCH PUBLICATIONS (NATIONAL JOURNALS)

1. 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.

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

Chapters in "International Books"

1. **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, ISBN: 9789811566981.

- Ambika, **Pradeep Pratap Singh**, *Chapter 7: Advances in Carbon Nanomaterial-Based Green Nanocomposites* in the book entitled "Emerging Carbon-Based Nanocomposites for Environmental Applications", published by **Wiley Scrivener Publishing LLC, 2020, ISBN: 9781119554851.**
- 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.**
- 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.**
- 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.**
- 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.**
- 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.**
- 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.**
- 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.**
- 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.**
- 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"

- Ambika, **Pradeep Pratap Singh**, Chapter: Functionalized Magnetic Carbon Nanomaterials For Environmental Remediation, *Environmental Applications of Carbon Nanomaterials-Based Devices, Shadpour Mallakpour, Chaudhery Mustansar Hussain, Wiley-VCH, 2021, ISBN:*
- 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.**
- Pradeep Pratap Singh**, Ambika, 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.**
- 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. **Ambika**. Ayurveda: the Traditional Indian Medicine System, Indian experiences. Chapter 3: Antioxidants: The free radical scavengers, **2016**, 15-10, publishing by 'New Delhi Publishers' New Delhi, [ISBN: 978-93-85503-19-1](#)
2. Pradeep Pratap Singh, **Ambika**. Chapter 3, Ionic liquids: Green solvents for the future, in the book entitled 'Ecodevelopment: Glocal Perspectives', **2011**, 44-60, published by 'Research India Press' New Delhi, [ISBN: 978-81-89131-46-3](#).
3. 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: 978-81-89131-91-3](#).
4. 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: 818-0618-50-1](#).

Conference Organization/ Presentations (During last three years)

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 Integrated Science & Technology*, **2016**, 4(2), S1-S23, [ISSN: 2321-4635](#).

Contribution in Conferences /Symposia/Seminars/Workshops:

Paper/Poster Presented

International

1. Poster presented in Indo-US colloquium on recent development in inter disciplinary research, jointly organised by Department of Chemistry, Hansraj College, University of Delhi, India and Loyola University, Stritch School of Medicine, Maywood, IL USA on 2nd July, **2018**.
2. 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**.
3. 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**.

4. 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**.
5. 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 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**.
3. Poster presented in the National Seminar on Green Chemistry and Natural Products, organised by Department of Chemistry, University of Delhi. 26-27th November, **2007**.
4. 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**.
5. Poster presented in the 41st annual convention of chemists (Indian Chemical Society), organised by Department of Chemistry, University of Delhi. 23-27 December, **2004**.

Oral Presentation

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**.

Organised Seminar/workshop

1. Served as programme coordinator in 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**.
2. 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**.
3. 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**.
4. Organising committee member in DBT sponsored workshop on "Relevance of experimental chemistry to biotechnology" held at Hansraj college, University of Delhi, 12-13 March **2014**.

Attended International/National Webinars

1. The impact of corona lockdown on family system and mental health. Swami Shraddhanand College, University of Delhi, in association with GIA and SAKHI, June 3, **2020**.
2. Google Classroom : Teaching, learning and managing, Swami Shraddhanand College, University of

Delhi, Alipur, Delhi 110036, may 24, **2020**.

3. Strengthening the immune system with Naturopathy, Organised by Department of Botany and IQAC Hansraj College, on May 6, **2020**.
4. Material Science, Technology and Society, Jawaharlal Nehru University (JNU), on May 9, **2020**.
5. FDP Webinar on e-content Development Methodology Four Quadrant Model, OER's and Copyright issues, organized by Guru Angad Dev Teaching Learning Centre SGTB Khalsa College, University of Delhi under the Pandit Madan Moham Malviya National Mission on Teachers and Teaching (PMMMNTT) of MHRD, May 15, **2020** (Equivalent to National Seminar), S.No. GAD-TLC/2020/WB14/1523.
6. Physicochemical well-being and Covid-19: An internal journey, WDC, Shivaji College, University of Delhi, on May 7, **2020**.
7. Communicating Science to the citizen during COVID-19 pandemic: Be prepared not panic, organized by National Council for Science and Technology Communication, Department of Science and Technology (DST), Govt. of India and Gujrat Council on Science and Technology, Department of Science and Technology, Govt. of Gujrat on May 11, **2020**.
8. Learning to live with virus, organized by National Council for Science and Technology Communication, Department of Science and Technology (DST), Govt. of India and Gujrat Council on Science and Technology, Department of Science and Technology, Govt. of Gujrat on May 12, **2020**.
9. Genome sequencing in search of vaccine for coronavirus, organized by National Council for Science and Technology Communication, Department of Science and Technology (DST), Govt. of India and Gujrat Council on Science and Technology, Department of Science and Technology, Govt. of Gujrat on May 13, **2020**.
10. Coronavirus lockdowns: Effects on seismic noise and seismicity, organized by National Council for Science and Technology Communication, Department of Science and Technology (DST), Govt. of India and Gujrat Council on Science and Technology, Department of Science and Technology, Govt. of Gujrat on May 14, **2020**.
11. S & T intervention in fighting COVID 19 patient, organized by National Council for Science and Technology Communication, Department of Science and Technology (DST), Govt. of India and Gujrat Council on Science and Technology, Department of Science and Technology, Govt. of Gujrat on May 15, **2020**.
12. Protecting from Corona: Innovative approaches and solution, organized by National Council for Science and Technology Communication, Department of Science and Technology (DST), Govt. of India and Gujrat Council on Science and Technology, Department of Science and Technology, Govt. of Gujrat on May 16, **2020**.

Attended symposia

1. Attended International Seminar "ACS on Campus", by American Chemical Society, on February 5nd, **2018**.
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. 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**.
3. International workshop on green chemistry, Organised at Department of Chemistry, University of Delhi, December, **2010** by Royal Society of Chemistry (RSC), London.
4. Attended International Conference on "Biodiversity, environment and sustainability challenges for future", organised by Swami Shraddhanand College, University of Delhi. 4-6 September, **2008**.

National

1. Attended National Conference on "Emerging Challenges of Environmental Health, Society and Policies", organised by Rajdhani College in collaboration with Department of Environmental Studies, University of Delhi from 15-16 February, 2019.
2. Attended National Seminar on "Geogenic Contamination of Ground Water (GCG)" Organized by Department of Regional Water Studies, TERI University on April 22nd, **2016**.
3. Attended National Workshop on "Role of scientific and technical terminology in Higher Education", Organized by Sri Aurbindo 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**.
4. 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**.
5. Participated in "National Seminar on Chemistry in Interdisciplinary Applications," held at Hansraj College University of Delhi. 19th March, **2013**.
6. 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**.
7. 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**.
8. Attended national conference on "Advances in technologically important crystals", 12-14 October, **2006**.

Research Projects (Innovation/Minor/Major Grants/Research Collaboration)

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**.

Awards and Distinctions

"**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**.

Association With Professional Bodies

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

Orientation/Refresher Course

1. Attended 21 day "**Refresher course**" organized by CPDHE-HRDC, University of Delhi, from 26th June to 16th July **2015**.
2. Attended one month "**Orientation course (OR-82)**" organized by CPDHE-HRDC, University of Delhi, from 17th November to 15th December **2015**.
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.
3. Attended 14 day "**Refresher course**" organized by CPDHE-HRDC, University of Delhi, from 28th June to 12th July **2019**.
4. FDP Webinar on "Fundamentals of intellectual property rights", S.No. FDP22002.Organised by Department of Botany & IQAC 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 23-25 January,2020.
5. Two days FDP Webinar on " *Transformation in Higher Education: Issues and Road Ahead*" ", S.No. FDP28007.Organised by *Government Degree College for Women, Anantnag 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 28th September-12th October, 2020.

Resource Person In Add-On Course

1. 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**.
2. 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.

(Dr. AMBIKA)
Signature of Faculty Member