

## CV



1. **Name -** Dr. Deeksha Yajurvedi
2. **Designation -** Professor, Department of Chemistry
3. **Subject-** Chemistry
4. **Academic Qualification-** M.Sc., NET, PhD.
5. **Areas of Interest/Specialization-** Organic Chemistry,
6. **Date of birth-** 20 May 1983
7. **Date of joining-** 29.01.2009
8. **Teaching experience-** 17+ years
9. **Official address-** Department of Chemistry, Raghunath Girls' Post Graduate College,  
Western Kutchery Road Meerut.
10. **Contact no-** 9456244183
11. **E-mail Id -** [deeksha.yajurvedi@gmail.com](mailto:deeksha.yajurvedi@gmail.com)
12. **Areas of research-** Chemical kinetics & Reaction mechanism
13. **Digital Profile, if any (Research Gate, LinkedIn, SSRN, Twitter, YouTube etc):**

**Scopus author Id** <https://www.scopus.com/authid/detail.uri?authorId=14009061500>

**ORCID Id** <https://orcid.org/0009-0006-0180-3069>

**Google scholar** <https://scholar.google.com/citations?hl=en&user=XhyHJYAAAAAJ>

**Research gate** <https://www.researchgate.net/profile/Deeksha-Yajurvedi>

**Vidwan Id** <https://vidwan.inflibnet.ac.in/profile/482671>

**LinkedIn** <https://in.linkedin.com/in/deeksha-yajurvedi-12a18351>

**You Tube** [https://www.youtube.com/channel/UCtirXD0YULsH9\\_5\\_XhoJzhg](https://www.youtube.com/channel/UCtirXD0YULsH9_5_XhoJzhg)

#### 14. Achievements: -

- Felicitated by **Narayani Award 2023** by Paryavaran evam Swacchta Club, Meerut for significant contribution in women empowerment and self-reliance.
- Received letter of appreciation from Dr. Soni Jain, founder, Track boons, associated with Nav Jyoti India foundation (Dr. Kiran Bedi) for successful execution of skill development programme at RGPG College Meerut.
- Received letter of appreciation from 22 UP Girls' BN for organising International Yoga Day 2022.
- Worked as member of organising committee of National Quiz competition organised by Dept. of Chemistry, CCSU to commemorate Vicenary year of establishment of department on 24 Sep 2022.
- Judge in Poster and Rangoli competition in "Eat right millets Mela" organised by Food Safety and Drug Administration, Govt (led by FSSAI, under Ministry of Health & Family Welfare, GoI) on 31.3.2023.
- Felicitated by NGO -Hear the silence for significant contribution in social work.
- Awarded Certificate of teaching appreciation from regional office, Higher Education, Meerut for contribution in teaching and research during session 2016-17.
- Awarded Certificate of Recognition for securing third prize in essay contest *If I were mayor of Meerut*, organised by Meerut Citizens Forum held in October 2017 and felicitated on 5 Dec 2017 at first conference on Meerut city development: Issues, challenges and way forward.
- Felicitated and honoured on International Women's Day 8 March 2017 by Vidya Knowledge Park and NGO, Janhit foundation.
- article titled "*Paryavaran sarakshan ki avashykta*" awarded as best article in research magazine Prakarti manthan ISSN 2394-644X, Oct-Dec 2016.

#### 15. Fellowships/Awards: -

| S. No | Name of Fellowships/ Awards | Awarding Agency | Whether International/National/ State/Regional | Honorarium of Award, if any |
|-------|-----------------------------|-----------------|------------------------------------------------|-----------------------------|
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#### 16. Memberships of Professional bodies: -

| S.No. | Name of the Professional Body                         | Type of membership | Membership No. |
|-------|-------------------------------------------------------|--------------------|----------------|
| 1.    | Indian Council of Chemists, Agra                      | Life member        | LF/1882        |
| 2.    | Indian Science Congress Association, Haridwar Chapter | Life member        | 0395           |
| 3.    | Indian Chemical Society                               | Life member        | L19037         |
| 4.    | Indian Science Congress Association                   | Life Member        | F/7783(LM)     |
| 5.    | Indian Society of Analytical Scientists-Delhi Chapter | Life Member        | LM-2025/47     |

#### 17. Research Papers published:

| S. No | Title of the paper published (with Page no.)                                                                                                | Research Journal (with Vol.no                                               | Year         | ISSN        | Whether peer reviewed, UGC listed, Impact Factor if any | Digital Link, if any                                                                                      |
|-------|---------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------|--------------|-------------|---------------------------------------------------------|-----------------------------------------------------------------------------------------------------------|
| 1.    | Kinetic and mechanistic studies in the Oxidative regeneration of carbonyl compounds from oximes by dimethylammonium chlorochromate pp 24-29 | Research Journal of Chemistry and Environment Vol. 28 (9) September (2024)  | 2024         | 2278 – 4527 | Yes, Scopus indexed                                     | <a href="https://doi.org/10.25303/289rjce024029">https://doi.org/10.25303/289rjce024029</a>               |
| 2.    | Oxidation Kinetics of DL-Methionine, a sulfur Containing Amino Acid by tripropyl ammonium chlorochromate: A Mechanistic Approach pp 244-249 | International Journal of Research and Analytical Reviews Volume.10, Issue 4 | Nov 2023     | 2348-1269   | Peer reviewed and refereed                              | <a href="https://www.ijrar.org/papers/IJRAR23D2268.pdf">https://www.ijrar.org/papers/IJRAR23D2268.pdf</a> |
| 3.    | Oxidation of some Vicinal & Non-Vicinal Diols by Tripropyl ammonium Chlorochromate: A Kinetic & Mechanistic Study pp a362-a369              | Journal of Emerging Technologies and Innovative Research Volume10, Issue 10 | October 2023 | 2349-5162   | Peer reviewed and refereed                              | <a href="https://www.jetir.org/view?paper=JETIR2310042">https://www.jetir.org/view?paper=JETIR2310042</a> |
| 4.    | Oxidation Kinetics of some Lower oxyacids of Phosphorus                                                                                     | French-Ukrainian Journal of                                                 | 2023         | 2312-3222   | Yes (Web of                                             | <a href="https://doi.org/10.17721">https://doi.org/10.17721</a>                                           |

|     |                                                                                                                                                 |                                                                      |              |                |                                              |                                                                                                                                                                                                                                                                                |
|-----|-------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------|--------------|----------------|----------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|     | by picolinium chlorochromate: Determination of Reactive Reducing Species pp 57-68                                                               | Chemistry (2023, Volume 11, Issue 02)                                |              |                | Science)                                     | <a href="#">/fujcV11I2P57-68</a>                                                                                                                                                                                                                                               |
| 5.  | Jaiv bahulak- Satat vikas ke saarthi pp 18-24                                                                                                   | Research Spectra Vol IV, Issue 2                                     | 2023         | 2394-9805      | Peer reviewed and refereed                   | <a href="http://researchspectra.org.in/JournalPapers/V4_I2_P2.pdf">http://researchspectra.org.in/JournalPapers/V4_I2_P2.pdf</a>                                                                                                                                                |
| 6.  | Correlation Analysis of Reactivity in the Oxidation of Some Aliphatic Secondary Alcohols by Imidazolium Dichromate: A Kinetic Study pp: 329-338 | Journal of Interdisciplinary Cycle Research Volume XIII, Issue X,    | October 2021 | 0022-1945      | Peer reviewed and refereed                   | <a href="https://drive.google.com/file/d/1LW4a3Uc-J-oM8OMu_nw4q5XIQs_ZmOFKn/view?usp=sharing">https://drive.google.com/file/d/1LW4a3Uc-J-oM8OMu_nw4q5XIQs_ZmOFKn/view?usp=sharing</a><br>DOI:18.0002.JICR.2021.V13I10.008301.317123551                                         |
| 7.  | Oil spills: Threat to marine life pp: 32-36                                                                                                     | Indian journal of applied research, Volume 9 issue-7 July 2019-08-17 | 2019         | ISSN 2249-555X | IF 5.397                                     | <a href="https://doi.org/10.5281/zenodo.19597246">https://doi.org/10.5281/zenodo.19597246</a>                                                                                                                                                                                  |
| 8.  | Biodegradation of Melanoidins from sugarcane molasses-based distillery effluent: A Review pp 15-20                                              | ISSST Journal of Applied Chemistry, Vol. 9 No.1(Jan-June 2018)       | 2018         | ISSN 0976-7355 | S.No.487 16 UGC listed                       | <a href="https://doi.org/10.5281/zenodo.19639426">https://doi.org/10.5281/zenodo.19639426</a>                                                                                                                                                                                  |
| 9.  | Dimethylsulphoxide: A promising compound for pharmacological and molecular Utilization pp 11-16                                                 | Acta Cienica Indica Vol. XLIHC 2017 No.1                             | 2017         | ISSN 0253-7338 | UGC Listed at serial no.605 before June 2017 | <a href="http://www.acta.co.in/actabo/files/published_general/5cd8fdb0cf277-102-C017.pdf">http://www.acta.co.in/actabo/files/published_general/5cd8fdb0cf277-102-C017.pdf</a><br><a href="https://doi.org/10.5281/zenodo.19597091">https://doi.org/10.5281/zenodo.19597091</a> |
| 10. | A review on few anti-inflammatory agents of herbal origin pp 57-66                                                                              | Acta Cienica Indica Vol. XLIHC 2017 No.1                             | 2017         | ISSN 0253-7338 | UGC Listed at serial no.605 before June 2017 | <a href="http://www.acta.co.in/actabo/files/published_general/5cd8fdb0d1006-107-C017.pdf">http://www.acta.co.in/actabo/files/published_general/5cd8fdb0d1006-107-C017.pdf</a><br><a href="https://doi.org/10.5281/zenodo.19597172">https://doi.org/10.5281/zenodo.19597172</a> |
| 11. | Oxidation of Aliphatic Primary Alcohols by Quinolinium Chlorochromate: A Kinetics and mechanistic approach pp 861-870                           | Journal of Applicable Chemistry (International Peer 2016, 5 (4)      | 2016         | ISSN 2278-1862 | IF 1.4 Reviewed Refereed                     | <a href="http://www.joac.info/ContentPaper/2016/2-21.pdf">http://www.joac.info/ContentPaper/2016/2-21.pdf</a>                                                                                                                                                                  |

|     |                                                                                                                                                                                                        |                                                                          |      |           |                            |                                                                                                                           |
|-----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------|------|-----------|----------------------------|---------------------------------------------------------------------------------------------------------------------------|
| 12. | Correlation analysis of reactivity in the oxidation of substituted benzaldehydes with bis {dipyridinesilver(I)}dichromate} [Agpy <sub>2</sub> ] <sub>2</sub> Cr <sub>2</sub> O <sub>7</sub> pp 442-449 | Eur. Chem. Bull., 2015, 4(9)                                             | 2015 | 2063-5346 | IF4.61                     | <a href="http://dx.doi.org/10.17628/ECB.2015.4.442">http://dx.doi.org/10.17628/ECB.2015.4.442</a>                         |
| 13. | Bio-Medical Application of Fullerenes: An Overview pp 503-504                                                                                                                                          | International Journal of Scientific Research, Volume 5, Issue 5 May 2016 | 2016 | 2277-8179 | IF 3.508                   | <a href="https://doi.org/10.5281/zenodo.19597345">https://doi.org/10.5281/zenodo.19597345</a>                             |
| 14. | Oxidation of some $\alpha$ -Hydroxy acids by Tetraethyl ammonium chlorochromate: A Kinetic and mechanistic study pp 50-55                                                                              | International Journal of chemical kinetics, Volume 42, Issue 1, 2010     | 2010 | 0538-8066 | IF 1.312                   | <a href="https://doi.org/10.1002/KIN.20466">https://doi.org/10.1002/KIN.20466</a>                                         |
| 15. | Structure reactivity Correlation in the Oxidation of substituted benzaldehydes by pyridinium bromo chromate pp 265-280                                                                                 | Progress in Reaction Kinetics and Mechanism, Vol 35 2010                 | 2010 | 1468-6783 | IF 0.829                   | <a href="https://doi.org/10.3184/146867810X12796413581192">https://doi.org/10.3184/146867810X12796413581192</a>           |
| 16. | Kinetics and mechanism of oxidation of DL- Methionine by quinolinium bromochromate pp 459-461                                                                                                          | Journal of India Chemical Soc, Vol. 85, April 2008                       | 2008 | 0019-4522 | Peer reviewed and refereed | <a href="https://zenodo.org/records/5815056">https://zenodo.org/records/5815056</a>                                       |
| 17. | Kinetics and mechanism of Oxidation of some unsaturated acids by morpholinium chlorochromate pp 365-372                                                                                                | Oxidation Communication 31, Bulgaria, No 2, 2008                         | 2008 | 0209-4541 | Peer reviewed and refereed | <a href="https://scibulcom.net/en/article/PjrUaku9A5WjCCkSudsO">https://scibulcom.net/en/article/PjrUaku9A5WjCCkSudsO</a> |
| 18. | Correlation analysis of reactivity in the oxidation of substituted Benzyl alcohols by 2,2'-bipyridiniumchlorochromate pp 496-50                                                                        | Journal of India Chemistry Soc, Vol. 85, May 2008                        | 2008 | 0019-4522 | Peer reviewed and refereed | <a href="https://zenodo.org/records/5816421">https://zenodo.org/records/5816421</a>                                       |
| 19. | Kinetics and mechanism of the oxidation of organic sulphides by quinolinium bromo chromate pp 1158-1164                                                                                                | Indian Journal of Chemistry Vol.45A, May 2006                            | 2006 | 0019-5103 | Peer reviewed and refereed | <a href="http://nopr.niscpr.res.in/handle/123456789/19989">http://nopr.niscpr.res.in/handle/123456789/19989</a>           |

### 18. Articles in books/conference proceedings published:

| S. No | Title of the article published with page no.                                                                                                   | Title of the Book/Conference proceedings                                          | Year | ISBN               | Details of publisher               | Published by local/nat/int publisher | Digital link if any                                                                                                                                                                     |
|-------|------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------|--------------------|------------------------------------|--------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1.    | Applications of biosurfactants for cleaner Environment (page56-63)                                                                             | Innovations in Science and technology- Editors- Dr. Archana. Dr. Sakshi Chaudhary | 2020 | 978-93-873b7-b7-8. | Swastika Publications, Delhi       | National                             | <a href="https://www.flipkart.com/innovations-science-technology/p/itm066c5b91fb641">https://www.flipkart.com/innovations-science-technology/p/itm066c5b91fb641</a>                     |
| 2.    | Sustainable Development and Rain Water Harvesting (page 96-100)                                                                                | Green initiatives and sustainable development- Dr. Subhash Vikal                  | 2020 | 978-81-94250-32-6. | Learning Media Publication, Meerut | National                             | <a href="https://learningmedia.in/#:~:text=GREEN%20INITIATIVE%20AND-.SUSTAINABLE,-DEVELOPMENT">https://learningmedia.in/#:~:text=GREEN%20INITIATIVE%20AND-.SUSTAINABLE,-DEVELOPMENT</a> |
| 3.    | Intervention of Information and communication technology for quality assurance in higher education: Prospects and opportunities (page 248-258) | Transformation of higher education in India- Dr. Anshu Ujjwal                     | 2016 | 978-93-82-166-46-7 | Anu books, Meerut                  | National                             |                                                                                                                                                                                         |
| 4.    | Potential applications of fullerenes in science and technology (page 179-189)                                                                  | Recent development in science and technology Dr. Neelam Kumari, Dr Archana        | 2017 | 978-93-80966-84-7  | Sunrise publications, New Delhi    | National                             |                                                                                                                                                                                         |

### 19. Articles in Magazines and Newspapers

| S. No | Name of the Article with page no.                           | Name of the Magazine/ Newspaper (with RNI)          | Detail of the Publisher                                        | Date           | Digital Link, if any |
|-------|-------------------------------------------------------------|-----------------------------------------------------|----------------------------------------------------------------|----------------|----------------------|
| 1.    | Jal punah prayog evam jal shodhan : Bhavishya ki avashyakta | Prerna Punj RNIUPOREG/816/2024/R1(196751)           | Samaj Vikas Sansthan, Meerut                                   | Feb 2025       |                      |
| 2.    | Jal Pradooshan ke prabhav Pg12-13                           | Prakarti Manthan ISSN 2394-64XX RNI No. UPHIN/61793 | Nirupama Prakashan, a-1/1 Agrasen Vihar, Shastri Nagar, Meerut | Jan-march 2017 |                      |
| 3.    | Paryavaran Sarakshan ki aavashyakta                         | Prakarti Manthan ISSN 2394-64XX                     | Nirupama Prakashan, a-1/1                                      | Oct-Dec 2016   |                      |

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|----|----------------------------------------------------------------------------------------------|--------------------------------------------------------------|----------------------------------------------------|----------|--|
|    | Pg 50-51                                                                                     | RNI No.<br>UPHIN/61793                                       | agrasen vihar,<br>Shastri Nagar,<br>Meerut         |          |  |
| 4. | Rain water harvesting-Solution to water crisis and lifeline for human well being<br>Pg 18-19 | Vigyan: Aao Karke<br>Seekhein<br>RNI No.<br>UPBIL/2015/64827 | Pragati vigyan<br>sanstha, Jagrti<br>vihar, Meerut | May 2016 |  |
| 5. | Functional foods and Nutraceuticals: Modern approach to Food Science<br>Pg 140-141           | Saurabh                                                      | College<br>magazine                                | 2016     |  |
| 6. | Science for democratization of development<br>Pg 102                                         | Saurabh                                                      | College<br>magazine                                | 2016     |  |

## 20. Development of New Curricula and Courses: -

| S.No. | Name of New Curricula & Courses | Hyperlink of Curricula or course                                                                                                                                                                  | Role in Development   |
|-------|---------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|
| 1.    | NEP Food Sc and quality control | <a href="https://www.ccsuniversity.ac.in/ccsum/syllabus-nep/bsc-food-science-quality-control-n.pdf">https://www.ccsuniversity.ac.in/ccsum/syllabus-nep/bsc-food-science-quality-control-n.pdf</a> | College Convener, BoS |

## 21. Development of E-contents /MOOCs-

| S.No. | Portal on which uploaded | Type of e-content | Hyperlink of e-content | Numbers |
|-------|--------------------------|-------------------|------------------------|---------|
|       |                          |                   |                        |         |

## 22. Ph. D Supervised:

| S.No. | Name of the student with Regd. No. | University Registered | Topic | Type of Supervision | Enrolled Date & Year | Submitted Date & Year | Awarded Date & Year |
|-------|------------------------------------|-----------------------|-------|---------------------|----------------------|-----------------------|---------------------|
|       |                                    |                       |       |                     |                      |                       |                     |

## 23. Research Projects:

| S.No. | Title                                                                      | Type                                                                          | Funding Agency | Amount              | Time-Period        |
|-------|----------------------------------------------------------------------------|-------------------------------------------------------------------------------|----------------|---------------------|--------------------|
| 1.    | Structure – Reactivity correlations in some Solution Phase Redox Reactions | Minor Project<br><br>Chemistry/ Polymer Science/ROMRP-NRCB-CHEM-2015-16-86762 | UGC            | 280000/- sanctioned | Money not received |

**24. Consultancy:**

| S. No. | Title | Type | Funding Agency | Amount | Time-Period |
|--------|-------|------|----------------|--------|-------------|
|        |       |      |                |        |             |

**25. Patents (if any):**

| S.No. | Title of Patent | Detail of Patent (International/ National) |
|-------|-----------------|--------------------------------------------|
|       |                 |                                            |

**26. Faculty Enrichment Programme Attended:**

| S. No | Detail of the FDP/FEP                                                                                                                                            | Date(s) of the event           | Organizer & Sponsor                                                                     | International/National / State/ University |
|-------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|-----------------------------------------------------------------------------------------|--------------------------------------------|
| 1     | AI for Science: Exploring tools and real-world applications                                                                                                      | 15-19 May 2026                 | IIMT University, Meerut                                                                 | National                                   |
| 2     | NIRF Mastery workshop                                                                                                                                            | 03 Jan-15 Feb 2026             | Decision tree Endeavour                                                                 | National                                   |
| 3     | One week FDP on AI Shiksha paddatti                                                                                                                              | 10- 16th November 2025         | SMP Government PG College Meerut                                                        | National                                   |
| 4     | One day faculty development programme (online) on Research methodology and AI tools                                                                              | 14 <sup>th</sup> August 2025   | organised jointly by IQAC, Dayanand Anglo Vedic PG College Kanpur and Pencilbitz        | National                                   |
| 5     | Five days' workshop and FDP on Herbal entrepreneurial wellness: business sustainability in herbal medicine                                                       | 10th to 14th December 2024     | PCS, in collaboration with teachers' Reskilling cell RGPG College Meerut                | Local                                      |
| 6     | Online hands-on workshop on Molecular docking -Basic to application in drug discovery, a design thinking and innovation workshop on problem solving and ideation | 29th November- 3 December 2024 | Department of chemistry, RGPG Innovation Council in association with Awasthambh, Kanpur | State                                      |
| 7     | NEP 2020 orientation and sensitization program under Madan Mohan Malviya mission training teaching program                                                       | 1 October to 11 October 2024.  | UGC- MMTTC Shri Guru teg Bahadur Khalsa College University of Delhi                     | National                                   |
| 8     | Seven days faculty development                                                                                                                                   | 11Feb -17 Feb 2023             | RGPG College, Meerut                                                                    | National                                   |



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|    | programme on new trends in research methodology                                                                                          |                            |                                                                                                      |          |
| 9  | Five days' workshop and FDP on Propagation and uses of medicinal herbs and Bio composting                                                | 14 Nov -18 Nov 2022        | Botany dept, RGPG College, Meerut                                                                    | Local    |
| 10 | Seven days faculty development programme on Safer and greener chemistry labs                                                             | 19 July 2022- 25 July 2022 | GAD TLC PMMMNIIT                                                                                     | National |
| 11 | Online Science leadership workshop                                                                                                       | 22 June -28 June 2020.     | Central University of Punjab, Bathinda, India                                                        | National |
| 12 | Online One-week National Teachers/Faculty Development Program (FDP) on E-Learning and ICT Tools for Effective Teaching -Learning         | 8 June to 13 June 2020     | Aravali College of Advanced Studies& Education, Pali, Faridabad.                                     | National |
| 13 | Online faculty development programme on How to improve quality in HEIs                                                                   | 29 May - 3 June 2020       | IQ AC, Jain Kanya Pathshala P.G. College, Muzaffarnagar                                              | National |
| 14 | Online One-week international level faculty development programme on Technology assisted teaching and virtual learning through ICT tools | 25 May to 30 May 2020      | Department of Physics SBVR Degree and PG College Badvel, Kadapa Andhra Pradesh. sponsored by UGC     | National |
| 15 | One-week National workshop on Introduction, synthesis and characterization of nanomaterials                                              | 16 Dec -21 Dec 2019        | Centre for international cooperation, CCSU and Central Connecticut state university, New Britain USA | National |
| 16 | One-week National workshop on Preparation of e resources for school and college subjects                                                 | 23 March -29 March 2018    | Faculty of Education, N.A.S. College, Meerut. Sponsored by U.P. Government                           | National |

## 27. Seminar/ Workshop/ Conference Attended:

| S. No. | Detail of the Conference/ Seminar                           | Organizer & Sponsor                            | Date(s) of the event | Venue of the event                       | International/National/ State/ University |
|--------|-------------------------------------------------------------|------------------------------------------------|----------------------|------------------------------------------|-------------------------------------------|
| 1      | National symposium on exploring the word of AI in academics | IQAC, Lajpat Rai College, Sahibabad, Ghaziabad | 18 September 2025    | Lajpat Rai College, Sahibabad, Ghaziabad | National                                  |

|    |                                                                                                                                |                                                                                               |                             |                                                          |          |
|----|--------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|-----------------------------|----------------------------------------------------------|----------|
| 2  | Participated in online International conference on 'Restore the earth: One planet, one mission with sustainable living'        | Department of Botany RGPG College, Meerut                                                     | 5th June 2025               | RGPG College, Meerut                                     | National |
| 3  | Participated in master class series under IP Utsav                                                                             | AICTE & MoE                                                                                   | 21st April to 26 April 2025 | Online                                                   | National |
| 4  | Science academies 'lecture workshop joint programme of IAS, INSA, NASI on theme 'Learning emerging fields of chemical science' | Doon University, Dehradun, UK during.                                                         | 3 April to 5th April 2025   | Online                                                   | National |
| 5  | National symposium on Project based learning" NEPs vision to experiential advanced learning                                    | Department of chemistry CCS University Meerut                                                 | 25 to 26 March 2025.        | CCSU                                                     | National |
| 6  | Workshop on NIRF ranking, AEDP and NAAC binary system                                                                          | Shahid Mangal Pandey Government Girls' PG College Meerut in collaboration with CRISP, Lucknow | 10th March 2025.            | Shahid Mangal Pandey Government Girls' PG College Meerut | Local    |
| 7  | Innovation Ambassador IA training foundation level during IIC calendar year                                                    | AICTE & MoE                                                                                   | 2024-25                     | Online                                                   | National |
| 8  | Two days Prantiya shikshan varg evam shakshik karyshala on Indian knowledge system and NEP 2020                                | SVBPAU, Meerut and Shiksha Sanskriti Uthhan Nyas, New Delhi (Meerut Prant)                    | 2 Sep-3 Sep 2023            | SVBPAU, Meerut                                           | State    |
| 9  | Eat right millets mela 2023                                                                                                    | FSDA Meerut FSSAI, MoH &FW                                                                    | 31.03.2023                  | CCSU, Meerut                                             | Regional |
| 10 | National workshop on Detection of Adulteration in common food items                                                            | Dept. of Microbiology, CCSU, Meerut                                                           | 07 April 2022               | CCSU, Meerut                                             | National |
| 11 | Science week festival-Vigyan sarvatra pujuryate                                                                                | CCSU Sponsored by Vigyan Prasar, GoI                                                          | 22 Feb 2022                 | CCSU, Meerut                                             | Regional |
| 12 | Gyanotsav 2076 Vikrami (Meerut)                                                                                                | Shiksha sansriti Uthhan Nyas &                                                                | 5-6 Nov 2019                | CCSU, Meerut                                             | National |

|     |                                                                                                                       |                                                                                |                    |                                |               |
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|     |                                                                                                                       | Bed dept, CCSU                                                                 |                    |                                |               |
| 13  | National workshop on how to raise bonsai                                                                              | Dept. of Botany, RGPG College, Meerut                                          | 10 Sep 2018        | RGPG College, Meerut           | National      |
| 14  | National workshop on Leprosy and its treatment                                                                        | Medical Aid committee, RGPG College, Meerut                                    | 30 jan-13 feb 2018 | RGPG College, Meerut           | National      |
| 15. | National conference on food safety and consumer awareness                                                             | Innovation centre on Food processing and Food technology                       | 21-22 feb 2016     | University of Lucknow, Lucknow | National      |
| 16. | National symposium on The role of classical zoology in present day scenario                                           | Dept. of Zoology, RGPG College, Meerut                                         | 19-20 Dec 2015     | RGPG College, Meerut           | National      |
| 17. | Workshop pon Malaria awareness- causes, symptoms and vaccines                                                         | Dept. of Zoology, RGPG College, Meerut                                         | 27 Nov 2015        | RGPG College, Meerut           | International |
| 18. | Hindi-abhivyakti v sanskriti                                                                                          | Sponserd by Dainik Jagran patra. Organised by Hindi dept, RGPG College, Meerut | 14 Sep 2015        | RGPG College, Meerut           | International |
| 19. | Workshop on Technology development and 31 March 2015transfer to industry- challenges and opportunities                | Industry consultancy cell. CCSU                                                | 11-12 Jan 2013     | Dept. of Chemistry, CCSU       | Regional      |
| 20. | 100 <sup>TH</sup> Indian science congress association                                                                 | Calcutta university, Kolkata                                                   | 3-7 Jan 2013       | Calcutta university, Kolkata   | National      |
| 21. | National seminar on Recent advancements in Chemistry (RAC 2012)                                                       | Dept. of Chemistry, CCSU                                                       | 29-30 Sep 2012     | Dept. of Chemistry, CCSU       | International |
| 22. | National seminar on Gurudeva Rabindranath Tagore- yesterday, today, tomorrow: retrospection, review, reconsideration  | Dept. of English, RGPG College, Meerut                                         | 11 April 2012      | RGPG College, Meerut           | National      |
| 23. | One day seminar on Mirror neuron systems & sensory motor integration- basic framework to understand brain functioning | Dept. of Psychology, RGPG College, Meerut                                      | 10 Oct 2011        | RGPG College, Meerut           | local         |

|     |                                                                                                    |                                                                                                                          |                     |                                          |               |
|-----|----------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|---------------------|------------------------------------------|---------------|
| 24. | National seminar on Chemistry-our life-our future (IYC 2011)                                       | Dept. of Chemistry, RGPG College, Meerut sponsored by UGC, New Delhi                                                     | 1 October 2011      | Dept. of Chemistry, RGPG College, Meerut | National      |
| 25. | National seminar on recent trends in advancement of mathematical and physical sciences RTAMPS-2011 | DN College, Meerut                                                                                                       | 5-6 Feb 2011        | DN College, Meerut                       | National      |
| 26. | National symposium on Modern approaches and Innovations in biotechnology                           | CAEHS, Roorkee road, Meerut                                                                                              | 14-15 Nov 2010      | CAEHS, Roorkee road, Meerut              | National      |
| 27. | All India National seminar on Child labour: Some emerging issues                                   | Dept. of Sociology, RGPG College, Meerut                                                                                 | 28-29 Oct 2010      | RGPG College, Meerut                     | National      |
| 28. | International conference on green technologies for greener environment (GTGE 2010)                 | Dept. of Chemistry, CCSU                                                                                                 | 27- 30 Jan 2010     | Dept. of Chemistry, CCSU                 | International |
| 29. | National workshop on Emotional Intelligence                                                        | Bed dept, RGPG College, Meerut                                                                                           | 22 January 2010     | RGPG College, Meerut                     | National      |
| 30. | National workshop on Maintenance of Analytical, optical and Electrical instruments                 | Vidya college of Engineering, Meerut, UP and Western region instrumentation centre, Mumbai Sponsored by AICTE, New Delhi | 15-17 December 2009 | Vidya college of Engineering, Meerut, UP | National      |
| 31. | National seminar on Global warming: Global warning under faculty enrichment programme              | Department of Botany, RGPG College, Meerut                                                                               | 27 November 2009    | RGPG College, Meerut                     | National      |

## 28. Seminar/ Workshop/ Conference/ Exhibitions Organised:

| S.No | Detail of the Conference/ Seminar/Exhibitions (including Sponsor)                         | Date(s) of the event | Venue of the event | International /National/ State/ University | Role        |
|------|-------------------------------------------------------------------------------------------|----------------------|--------------------|--------------------------------------------|-------------|
| 1.   | International seminar hybrid mode on 'From ancient wisdom to modern innovation leveraging | 26.2.2026            | RGPG College       |                                            | Co-convenor |

|    |                                                                                                                                                                        |                    |                                         |               |                                    |
|----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|-----------------------------------------|---------------|------------------------------------|
|    | Indian knowledge system for Viksit Bharat @ 2047’.                                                                                                                     |                    |                                         |               |                                    |
| 2. | National seminar on Environmental crisis and developing economies - challenges, strategies and solutions, integrating GEP to foster ecological and economic resilience | 19th November 2024 | RGPG College                            |               | worked as Organising Secretary     |
| 3. | Himalayan safety and water conservation: sustainable reforms and future perspectives                                                                                   | 16 Sep 2021        | RGPG College                            | National      | worked as organising secretary     |
| 4. | Ecosystem restoration: & Sustainable Development: Present & Future (Webinar)                                                                                           | 5 June 2021        | RG PG College                           | National      | worked as organising secretary     |
| 5. | Water conservation                                                                                                                                                     | 22 March 2021      | RG PG College                           | Regional      | worked as organising secretary     |
| 6. | Training workshop on ‘Food Adulteration and Testing ‘organised in collaboration with Council of Science & Technology. District Science Club, Meerut                    | 28 Feb 2017        | Dept. of Food Sc.& Q. C, RG PG. College | College level | worked as Convenor and Coordinator |

## 29. Journals/books authored & edited:

| S.No.                 | Name of the Journal/ Book edited                                                                                                                                       | Month and Year | Role      | Digital Link (if any)                                                                                                                                                                     |
|-----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|-----------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1.                    | Indian Knowledge System: An Overview ISBN 978-81-19681-77-8                                                                                                            | May 2026       | Co-Editor | <a href="https://doi.org/10.5281/zenodo.19597246">https://doi.org/10.5281/zenodo.19597246</a>                                                                                             |
| 2.                    | Sustainable development through applied sciences- emerging trends and practices” published by Genic books Publishers Pvt Ltd, New Delhi ISBN number 978-81-97681-21-9. | Dec 2024       | Co-Editor | <a href="https://genicpublication.com/product/Sustainable-Development-Through-Applied-Sciences">https://genicpublication.com/product/Sustainable-Development-Through-Applied-Sciences</a> |
| 3.                    | Futuristic trends in science and technology Mangalam Publications, New Delhi ISBN 978-81-964432-2-1                                                                    | June 2023      | Co-Editor | <a href="https://www.flipkart.com/futuristic-trends-science-technology/p/itmdf95067e0cc3a">https://www.flipkart.com/futuristic-trends-science-technology/p/itmdf95067e0cc3a</a>           |
| 4.                    | Recent advances in Science and Technology ISBN 978-93-91193-79-9                                                                                                       | Feb 2023       | Co-Editor | <a href="https://www.flipkart.com/recent-advancements-science-technology/p/itmd7700f26b80d8">https://www.flipkart.com/recent-advancements-science-technology/p/itmd7700f26b80d8</a>       |
| <b>Books authored</b> |                                                                                                                                                                        |                |           |                                                                                                                                                                                           |

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|----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|-----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1. | Rearrangement and Chemistry of Group Elements समूह के तत्वों की पुनर्व्यवस्था और रसायन U.P B.Sc 5th Semester Thakur Publication Paperback – 1 ISBN :978-935755284 | July 2023  | Co-Author | <a href="https://www.tppl.org.in/2020/bsc-fifth-sem-books-up-state-universities/7029-rearrangement-and-chemistry-of-group-elements-up-bsc-5th-semester-.html">https://www.tppl.org.in/2020/bsc-fifth-sem-books-up-state-universities/7029-rearrangement-and-chemistry-of-group-elements-up-bsc-5th-semester-.html</a> |
| 2. | Rearrangements and Chemistry of Group Elements B.sc 5th Semester Thakur Publication Paperback – 1 ISBN 978-9357552653                                             | Jan 2023   | Co-Author | <a href="https://www.amazon.in/Chemistry-Rearrangements-Elements-Semester-Publication/dp/9357552650">https://www.amazon.in/Chemistry-Rearrangements-Elements-Semester-Publication/dp/9357552650</a>                                                                                                                   |
| 3. | Mechanistic aspects of some redox reactions ISBN 978-93-87812-12-                                                                                                 | March 2018 | Author    |                                                                                                                                                                                                                                                                                                                       |

### 30. Invited lectures/ Resource person/ Paper Presented in Conferences/ Seminar/ Workshops:

| S.No | Title of the Invited Lecture/paper presented                                                              | Detail of the Conference/ Seminar (including organizer& Sponsor)                                                                                  | Date(s) of the event            | Venue of the event              | International/National/ State/ University | Role            |
|------|-----------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|---------------------------------|-------------------------------------------|-----------------|
| 1    | AI-Driven Insights into Microbial Degradation of Water Pollutants                                         | National seminar on Artificial intelligence beyond technology: Shaping Science, Society and the future                                            | 31 March 2026                   | SMP Govt Girls' College, Meerut | National                                  | Paper presented |
| 2    | Indian Alchemy and its contribution                                                                       | International seminar hybrid mode on a topic from ancient wisdom to modern innovation leveraging Indian knowledge system for Viksit Bharat @ 2047 | 26 February 2026                | RG PG College, Meerut           | International                             | Paper presented |
| 3    | Advancing knowledge through collaboration: approaches and practices in interdisciplinary research writing | seminar hybrid mode on Scientific writing and publication bridging Research and readership                                                        | 22 November 2025                | RG PG College, Meerut           | International                             | Paper presented |
| 4    | A review on electro Kinetic remediation and innovative and sustainable approach for the removal of        | 4th Indian analytical Congress 2025 on Analytical sciences - shaping the future- An International Analytical Conference and                       | 20 November 22nd November 2025. | MDU Rohtak                      | International                             | Paper presented |

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|----|-----------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|------------------------------------------------|---------------|-----------------|
|    | organic contaminants from polluted soils                                                                                          | exhibition                                                                                                                                                             |                             |                                                |               |                 |
| 5  | Adulteration in milk, food and spices: detection and health hazards                                                               | one day workshop on food adulteration and innovation in the food industry                                                                                              | 23rd September 2025.        | IIMT University Meerut                         | Local         | Invited talk    |
| 6  | Role of Green chemistry in addressing global climate change and sustainability                                                    | National seminar on Environmental crisis and developing economies - challenges, strategies and solutions, integrating GEP to foster ecological and economic resilience | 19th November 2024          | RG PG College, Meerut                          | National      | Paper presented |
| 7  | The impact of volatile organic compounds on cardio respiratory health integrated climate change in disaster management strategies | National seminar on climate change and natural disasters: preparedness, mitigation and management strategies on sponsored by ICSSR, New Delhi                          | 23rd and 24th November 2024 | Department of Geography Meerut College Meerut. | National      | Paper presented |
| 8  | Heavy metal contamination and soils chemical processes and remediation techniques                                                 | International conference on Innovative computing and communication in the field of life sciences agriculture and Technology                                            | from 7-9 February 2025.     | SCRIET, CCSU, Meerut                           | International | Paper presented |
| 9  | Microbial approaches for sustainable melanoidin degradation in effluent treatment                                                 | National seminar on Sustainable technology for ecological restoration                                                                                                  | 30th March 2025.            | Meerut College, Meerut sponsored by UPHEd      | National      | Paper presented |
| 10 | Sustainable Education Practices for a Greener Future                                                                              | One-week holistic faculty development programme titled bridging tradition with innovation Organised by Swami Vivekananda Subharti University Meerut                    | 22 July 2024                | Subharti University, Meerut                    | National      | Invited Talk    |
| 11 | Role of women in climate resilience and biodiversity conservation                                                                 | National seminar on Paryavaran Sanrakshan, Mahila Shakti evam Satat Vikas                                                                                              | 18 Nov 2023                 | Ismail National girls PG College, Meerut       | National      | Paper presented |

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|-----------|----------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|----------------------------------------------------------------------------|------------------------|-----------------|
| 12        | Food adulteration and public health                                                    | Seven days NSS camp<br>RG PG College, Meerut                                                                                   | 16 March 2023                         | Ambedkar Bhawan, Kuti village Meerut                                       | Local                  | Invited lecture |
| <b>13</b> | Role of Induction programs in quality education sustenance in HEIs                     | National conference on Induction training for teachers at HEIs: today's need for enhancing quality of higher education         | 21-22 December 2022<br>Meerut         | RG PG College, Meerut                                                      | National               | Paper presented |
| 14        | Eco friendly technologies: Way forward for a sustainable world                         | International conference on Green Technology: Issues and Challenges                                                            | 22-24 September 2022                  | Chemistry department, CCSU                                                 | International          | Paper presented |
| 15        | Applications of Biosurfactants as an emerging green technology for cleaner environment | three days international conference on Environment, health care food security and sustainable development (EHFSSD-2022)        | 5 -7 June 2022<br>Meerut              | Shobhit Univ, Meerut                                                       | International          | Paper presented |
| 16        | Harmful effects of long-term exposure of VOCs and NOX on human cardiovascular system   | Recent trends in advancement of mathematical and Physical Sciences                                                             | 22-23 May 2020<br>Meerut              | D.N. College Meerut                                                        | International (Online) | Paper presented |
| 17        | Future prospects of imparting online education challenges and opportunities            | Higher education in the era of global pandemic - Aspects challenges and prospects                                              | 16- 17 May 2020<br>Meerut             | NAS PG College Meerut                                                      | International (Online) | Paper presented |
| 18        | Microalgae based biofuels for sustainable development                                  | Replacement of petrochemicals bio-based chemical for save environment<br>Sponsored by Dept. of Higher Education, Govt. Of U.P. | 18 February 2020<br>Muzaffarnagar     | Department of Chemistry, Chaudhari Chhotu Ram P.G. College, Muzaffarnagar, | National               | Paper presented |
| 19        | Qualitative assessment of inorganic contaminants in drinking water                     | Water footprint<br>Sponsored by Dept. of Higher Education, Govt. of U.P.                                                       | 31st January 2020<br>Saroorpur Khurd  | Sanjay Gandhi P.G. College Saroorpur Khurd Meerut.                         | National               | Paper presented |
| 20        | Applications of biosurfactants for cleaner environment: An emerging green technology   | Indian analytical congress IAC 2019                                                                                            | 12-14 Dec 2019,<br>Amity iniversity , | FICCI and Indian society of Analytical Chemists, Delhi Chapter             | International          | Paper presented |



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|-----|-----------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|---------------|-------------------------------------|
|     |                                                                                               |                                                                                                                                             | Noida                                |                                                                                                                                |               |                                     |
| 21  | Impact on long term exposure of NOX on human cardiovascular system                            | Green development for environmental concerns and sustainable progress sponsored by Uttar Pradesh Council. of Higher Education, Govt. of U.P | 1 Dec 2019<br>Mawana, Meerut         | A.S.College,Mawana, Meerut                                                                                                     | National      | Paper presented                     |
| 22  | Biochemical properties of Solanum Xanthocarpum for treatment of cough and bronchial allergies | Herbal therapy: Present scenario and future prospects                                                                                       | 19 Sep 2019.<br>Meerut               | Dept. of Botany, RG College, Meerut                                                                                            | National      | Paper presented                     |
| 23. | A review on removal of BPA using phytomaterial based adsorbents                               | Global Environmental challenges human health and sustainable development                                                                    | 11-13 January 2019<br>JNU, New Delhi | ESDA Delhi & Centre for study of regional development, JNU, New Delhi. Ministry of Environment, forest and climate change, GoI | International | Paper presented                     |
| 24. | A Review on biodegradation of melanoidins from sugarcane molasses-based distillery effluents  | Advances in agricultural, biological and applied sciences for sustainable future (ABAS-2018                                                 | 20-22 Oct 2018<br>Meerut             | Swami Vivekanand Subharti University, Meerut, U.P                                                                              | International | Paper presented                     |
| 25. | General science awareness lecture                                                             | Vigyan Ghar season 2: The first ever Science based reality show                                                                             | 21 June 2018                         | District Science Club and Pragati Vigyan Sanstha at Ved International School                                                   | Regional      | Invited speaker and resource person |
| 26. | Biodegradation of Melanoidins from sugarcane molasses-based distillery effluents: A review    | Green Chemistry and sustainable development                                                                                                 | 25 Feb 2018.<br>Meerut               | Department of Chemistry Meerut college, Meerut and ARIDSS, UGC sponsored                                                       | National      | Invited speaker and resource person |
| 27  | Adulteration in food products and testing                                                     | seven days NSS special camp,                                                                                                                | 14.02.2018.                          | N.A.S. College, Meerut                                                                                                         | Local         | Invited speaker                     |
| 28  | Pollution control and environmental conservation                                              | seven days NSS special camp, R.G. College, Meerut on                                                                                        | 1.02.2018                            |                                                                                                                                |               | Invited speaker                     |

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| 29  | Bioremediation: a promising technology for removal of inorganic contaminants                           | Innovative techniques in scientific research and skill development         | 28-29 January 2018 Meerut  | Department of Chemistry, Meerut College, Meerut, Sponsored by UGC under CPE                                                    | National | Paper presented |
| 30  | Jaivbahulak-satat vikas ke saarthi-Bhavishya aur chaunotiyan                                           | Takniki Shabdavali aur Rasayan Vigyan                                      | 10-11 Nov 2017 Hapur       | Commission for Scientific and Technical Terminology, MHRD, Dept of H.E.& SSV College, Hapur                                    | National | Paper presented |
| 31. | Plastic waste : Generation and management                                                              | Bioenergy and waste management: strategies and solutions                   | 9 Sep 2017 Muzaffar nagar  | Dept. Of Biotechnology, S. D. College of Engineering and Technology, Muzaffarnagar, U.P. sponsored by AKTU, Lucknow            | National | Paper presented |
| 32. | Role of microbes and their potential enzymes in biodegradation of melanoidins from distillery effluent | National seminar on Latest advances in physical sciences and life sciences | 18-19 March 2017 Meerut    | Department of Chemistry, Meerut College, Meerut on 18-19 march 2017 sponsored by INSA, New Delhi. sponsored by INSA, New Delhi | National | Paper presented |
| 33. | Activated carbon as novel adsorbent for efficient removal of VOCs                                      | Green chemistry for sustainable future”                                    | 25 Feb 2017 Muzaffar nagar | Dept. Of chemistry, CCR P.G. College, Muzaffarnagar Sponsored by Dept. of Higher Education, Govt. Of U.P.                      | National | Paper presented |
| 34. | Applications of GIS in oil spills risk assessment”                                                     | Overview of Geoinformatics and its applications                            | 23 Feb 2017 Meerut         | organised by dept. Of Geography, R.G.(P.G.) College, Meerut.                                                                   | National | Paper presented |
| 35. | Potential                                                                                              | Recent development in                                                      | 19 Feb                     | Dept. of                                                                                                                       |          | Paper           |

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|----|---------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|---------------------------------------|---------------------------------------------------------------------------------------------------|---------------|-----------------|
|    | applications of fullerenes in science and technology                                                          | science and technology                                                                            | 2017 Meerut                           | Chemistry, Meerut College, Meerut sponsored by ARIDSS, New Delhi                                  | National      | presented       |
| 36 | Adopting green technologies: Solution for global climate change and biodiversity conservation                 | Climate change and biodiversity conservation”                                                     | 21 December, 2016 Meerut              | Department of Botany, R.G.(P.G.) College, Meerut.                                                 | International | Paper presented |
| 37 | Health and environmental impacts of depletion of ozone layer                                                  | Emerging environmental Concerns and public health                                                 | 11-12 Dec 2016 Meerut                 | S.M.P Govt Girls’ College, Meerut Sponsored by Dept. of Higher Education, Govt. Of U. P.          | National      | Paper presented |
| 38 | Green Chemistry– Solution for Global Climate Change and Sustainability                                        | Challenges of Climate Change and Green Environmental Solutions”                                   | 10 December, 2016 Meerut              | Department of Botany, Ch. Charan Singh University, Meerut                                         | National      | Paper presented |
| 39 | Depletion of ozone layer: Causes, Impacts and prevention                                                      | Water conservation, climate change and organic farming”                                           | 28 November, 2016 Meerut              | Department of Geography, R.G.(P.G.) College, Meerut .                                             | National      | Paper presented |
| 40 | Electro kinetic remediation of contaminated soils- an innovative approach for removal of organic contaminants | Science & Technology for National Development "                                                   | November 20-22, 2016. Haridwar , U.K. | ISCA: Haridwar Chapter held at Department of Chemistry, Gurukula Kangri Vishwavidyalaya, Haridwar | National      | Paper presented |
| 41 | Potentials of phytoremediation for cleaner environment: An emerging green technology                          | Global initiatives in applied sciences and green technologies                                     | 9-11 Sep 2016 Modinagar               | SRM University, Modinagar, Ghaziabad                                                              | International | Paper presented |
| 42 | Water management through rain water harvesting: Solution to water crisis                                      | Water conservation, challenges and opportunities sponsored by UGC under CPE Jaladhikar Foundation | 30-31 August 2016 Modinagar           | Ginni Devi Modi Girls’P.G.College , Modinagar ,New Delhi                                          | National      | Paper presented |

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| 43 | Arsenic toxicity in groundwater of west Bengal: Clinical manifestation & remedial strategies   | Sustainable chemical and material sciences (SCMS-2016)                                         | 5-6 August 2016                    | SS Jain Subodh P.G.College, Jaipur<br>Sponsored by UGC, DST, DRDO, BRNS                                                                       | National | Paper presented |
| 44 | Future outlook of biopolymers: Hopes and challenges                                            | Science and Technology for indigenous development in India                                     | 28-30 Sep 2015.<br>Haridwar        | ISCA-Haridwar chapter and Faculty of Engineering & Technology, Gurukul Kangri Vishwavidyalaya, Haridwar                                       | National | Paper presented |
| 45 | Role of value education in contemporary society: An overview                                   | Value education for ethics and global peace                                                    | 29-30 April 2016<br>Meerut         | Deewan institute of management studies, Meerut.                                                                                               | National | Paper presented |
| 46 | Potential impacts of long-term exposure of NO <sub>x</sub> on human Cardio respiratory system  | Environmental toxicology                                                                       | 25-26 March 2016.<br>Meerut        | Dept. of zoology, C.C.S. University, Meerut                                                                                                   | National | Paper presented |
| 47 | Potential impacts of inorganic contaminants on ecosystem and human health                      | Environmental issues and challenges in present scenario                                        | 13-14 March 2016<br>Sarurpur Khurd | Dept. of education, Sanjay Gandhi P. G. College, Sarurpur Khurd, Meerut<br>Sponsored by Environment & Social Research Organisation, New Delhi | National | Paper presented |
| 48 | Intervention of ICT for quality education: Prospects and opportunities” in national seminar on | Quality assurance in higher education: Involvement of Information and Communication Technology | 1-2 March 2016<br>Baraut, Baghpat  | D.J. College, Baraut, Baghpat<br>Sponsored by Directorate of Higher Education, U.P.                                                           | National | Paper presented |
| 49 | Role of Information technology in indigenous and sustainable development of                    | Developing a vibrant India: Challenges & issues                                                | 21-22 Feb 2016<br>Allahabad        | Dept. of Political science, H. N. B. Govt P. G. College, Naini, Allahabad.                                                                    | National | Paper presented |

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|    | vibrant India                                                                                                                   |                                                                                                  |                                                   | sponsored by<br>Dept. of higher<br>Education, Govt<br>of U.P                                             |          |                    |
| 50 | Correlation analysis<br>of....bis{dipyridines<br>silver{I}chromate”                                                             | 52 <sup>nd</sup> Annual convention<br>of Chemists 2015<br>28-30 Dec 2015.                        | 28-30<br>Dec<br>2015.<br>Jaipur,<br>Rajastha<br>n | JECRC<br>University,<br>Jaipur, Rajasthan<br>&Indian<br>Chemical Society,<br>Kolkata                     | National | Paper<br>presented |
| 51 | Rain water<br>harvesting: Solution<br>to water crisis<br>&lifeline for human<br>being                                           | Rain water harvesting                                                                            | 02 Dec<br>2015<br>Meerut                          | Dept. of botany,<br>R.G.(P.G.)<br>College, Meerut                                                        | National | Paper<br>presented |
| 52 | Role of stress<br>management in<br>improving mental<br>health: An overview                                                      | Spiritual Orientation: A<br>predictor of mental<br>health in teaching<br>professionals           | 28 Jan<br>2015<br>Meerut                          | Dept. of<br>Education,<br>R.G.P.G. College,<br>Meerut                                                    | National | Paper<br>presented |
| 53 | Greening across the<br>chemistry                                                                                                | Future perspective of<br>science & technology in<br>society and governance                       | 29-30<br>Nov<br>2014<br>Hapur                     | Dept. of<br>Chemistry, SSV<br>College Hapur,<br>UGC sponsored                                            | National | Paper<br>presented |
| 54 | Potential impacts of<br>climate change: An<br>overview                                                                          | Climate change with<br>reference to India                                                        | 6 Sep<br>2014<br>Meerut                           | Dept. of<br>Geography, R. G.<br>P. G. College,<br>Meerut                                                 | National | Paper<br>presented |
| 55 | Relevance of<br>computer mediated<br>communication in<br>research process                                                       | Research in Higher<br>Education: Region,<br>Problems & Techniques                                | 3-4 Dec.<br>2011,<br>Meerut                       | Music Dept, SMP<br>Girls P.G.<br>College Meerut.<br>sponsored by U.P.<br>Govt. Higher<br>Education Dept. | National | Paper<br>presented |
| 56 | Environment and<br>development                                                                                                  | Rural Health &<br>Environment<br>Development & change                                            | 25 - 26<br>Nov.201<br>0 Meerut                    | Dept. of<br>Sociology, R.G.<br>P.G. College,<br>Meerut sponsored<br>by ICSSR                             | National | Paper<br>presented |
| 57 | Oxidation of<br>Aliphatic primary<br>alcohols by<br>morpholinium<br>chlorochromate: A<br>kinetic and<br>mechanistic<br>approach | National seminar on<br>Recent trends in<br>Chemical research,<br>sponsored by CSIR, New<br>Delhi | 4-6 Sep<br>2010                                   | Dept. of<br>Chemistry.<br>Meerut College,<br>Meerut. UP                                                  | National | Paper<br>presented |

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|----|----------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------|----------------|------------------------------------------------------------|----------|-----------------|
| 58 | Structure and reactivity correlations in the oxidation of substituted benzaldehydes by pyridiniumbromochromate | Analytical Electrochemistry NSAE-2010                                | Feb 08-2010    | Dept. of Chemistry, JNV University Jodhpur, Rajasthan      | National | Paper presented |
| 59 | Training and testing workshop on Milk and milk products adulteration                                           | Catalysed and supported by Council of Science and Technology, Meerut | 25 August 2009 | Dept. of Food Sc and Quality control, RGPG College, Meerut | Local    | Resource person |
| 60 | Training and testing workshop on Milk and milk products adulteration                                           | Catalysed and supported by Council of Science and Technology, Meerut | 11-12 Feb 2009 | Dept. of Food Sc and Quality control, RGPG College, Meerut | Local    | Resource person |

### 31. Administrative Experience: -

In charge, Chemistry department (since July 2025)

Coordinator, Dept. of Food Science & quality control since 2014

President, RGPG Innovation Council since 2024

Member, IQAC, In Charge, Criteria 3, NAAC since 2022

Internship coordinator, Institution Innovation Cell 2022-2024

NATS Nodal Officer for session 2023-24, 2024-25.

| S. No | Name of the Committee                                          | Types of Participation  | Whether of University or College Level | Year            |
|-------|----------------------------------------------------------------|-------------------------|----------------------------------------|-----------------|
| 1.    | University Evaluation Centre<br>SCRIET, CCS University, Meerut | Asst. Deputy Controller | University                             | 2015-16         |
| 2.    | Dept. of Food Sc. & Q.C.                                       | Coordinator             | College                                | 2014- till date |
| 3.    | IQAC                                                           | Dept AQAR Incharge      | College                                | 2009 -till 2021 |

|     |                                        |          |         |                                                                                          |
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| 4.  | Admission committee, B. Sc             | Member   | College | 2025-26, 2019-20, 2018-19, 2017-18, 2009-10                                              |
| 5.  | Chemistry Association                  | Convenor | College | 2019-20, 2018-19, 2017-18, 2016-17, 2015-16, 2014-15, 2013-14, 2011-12, 2010-11, 2009-10 |
| 6.  | Beautification and Gardening committee | Member   | College | 2019-20, 2018-19                                                                         |
| 7.  | R.G.T. A                               | Member   | College | 2019-20                                                                                  |
| 8.  | Sports committee                       | Member   | College | 2019-20, 2018-19, 2017-18, 2016-17, 2015-16, 2013-14, 2012-13                            |
| 9.  | Proctorial board                       | Member   | College | 2022-23, 2019-2020, 2018-19, 2017-18. 2016-17, 2015-16, 2014-15                          |
| 10. | Ranger's committee                     | Member   | College | 2019-20, 2018-19                                                                         |
| 11. | College Magazine Committee             | Member   | College | 2019-20                                                                                  |
| 12. | Hostel committee                       | Member   | College | 2019-20, 2018-19                                                                         |
| 13. | Canteen committee                      | Member   | College | 2019-20, 2018-19                                                                         |
| 14. | Plantation committee                   | Member   | College | 2019-20                                                                                  |
| 15. | Academic & Career Counselling Cell     | Member   | College | 2018-19, 2017-18, 2016-17, 2015-16, 2014-15, 2013-14, 2011-12, 2010-11                   |
| 16. | Student's Welfare Association          | Member   | College | 2017-18, 2016-17, 2015-16, 2014-15, 2013-14, 2010-11, 2009-10                            |
| 17. | Library committee                      | Member   | College | 2017-18, 2016-17                                                                         |
| 18. | Debating society                       | Member   | College | 2016-17, 2015-16, 2013-14, 2012-13, 2010-11, 2009-10                                     |
| 19. | College media spokesperson             | Member   | College | 2018-19                                                                                  |
| 20. | College Management committee           | Member   | College | 2017-18                                                                                  |
| 21. | Staff club                             | Member   | College | 2018-19, 2017-18, 2016-17, 2015-16                                                       |

|     |                               |             |         |                            |
|-----|-------------------------------|-------------|---------|----------------------------|
| 22. | Dept. Magazine, Chemkon       | Co-editor   | College | 2011-12                    |
| 23. | Swayam/ NPTEL Local chapter   | SPOC        | College | 2021                       |
| 24. | Online Education and LMS Cell | Incharge    | College | 2021                       |
| 25. | NCC                           | CTO, RGPG 1 | College | October 2021- October 2022 |

**32. Future plans:**

- To foster academic growth and initiate research work.
- To apply for Government funded major/minor project.
- To work towards publication work in high impact factor journals.
- To promote and adopt new teaching learning pedagogy
- To adhere to maintain work life balance.
- To contribute in meeting institutional goals to excel higher education.