



**DESHBANDHU COLLEGE**  
**(UNIVERSITY OF DELHI)**  
**KALKAJI, NEW DELHI - 110019**  
**Faculty Details Proforma for College Website**

|  |  |            |             |           |               |            |
|--|--|------------|-------------|-----------|---------------|------------|
| Title  | <b>Dr.</b>   | First Name | <b>Ruby</b> | Last Name | <b>Mishra</b> | Photograph |
| Designation  | <b>Assistant Professor</b>   |            |             |           |               |            |
| Address  | Kautilya Apartments, DDA MIG FLATS NO. 28<br>Pocket -B, Phase -2, Sector-14, Dwarka<br>New Delhi -110075 |            |             |           |               |            |
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| Email/Web-Page   | <a href="mailto:rmishra@db.du.ac.in">rmishra@db.du.ac.in</a>   |            |             |           |               |            |
| <b>Educational Qualifications</b>  |  |            |             |           |               |            |
| Degree   | Institution  |            |             |           | Year          |            |
| Ph.D.  | University of Delhi  |            |             |           | <b>2005</b>   |            |
| PG   | University of Delhi  |            |             |           | <b>2001</b>   |            |
| UG   | University of Delhi  |            |             |           | <b>1999</b>   |            |
| <b>Career Profile</b>  |  |            |             |           |               |            |
| <ul style="list-style-type: none"> <li>• Assistant Professor (<i>Permanent</i>) at Deshbandhu College, University of Delhi<br/>3<sup>rd</sup> October 2008 –till date.</li> <li>• Assistant Professor (<i>Adhoc</i>)<br/>25<sup>th</sup> January - November 2005, Kirorimal College, University of Delhi<br/>19<sup>th</sup> September 2007 -3<sup>rd</sup> October 2008, Deshbandhu College, University of Delhi</li> </ul> <p><b>Total teaching experience: 13 years</b></p>   |  |            |             |           |               |            |
| <b>Administrative Assignments</b>  |  |            |             |           |               |            |
| <ol style="list-style-type: none"> <li>1. Co-Cordinator NSS (2018-2020)</li> <li>2. Member Secretary -Women Development Cell</li> <li>3. Member union advisory committee in the session 2010-11, 2017-18, 2018-19.</li> <li>4. Member cultural committee in 2016-17, 2017-2018.</li> <li>5. Convener of Chemical society “Resonance” and organized annual festival for two consecutive years 2014 –2015 and 2015-2016.</li> <li>6. Worked as Co-convener and organized a seminar on Rashtriya Ekta Divas to celebrate the birth Anniversary of Sardar Vallabh Bhai Patel on 31<sup>st</sup> Oct 2015.</li> </ol> |  |            |             |           |               |            |
| <b>Areas of Interest/Specialization</b>  |  |            |             |           |               |            |
| Organic Chemistry and Environmental Chemistry  |  |            |             |           |               |            |
| <b>Subjects Taught</b>   |  |            |             |           |               |            |

Fundamentals of Organic Chemistry and reaction mechanism for BSc (H) and BSc (P) I year and II year students.

#### Publications Profile

##### **Books:**

- 1) Written chapter on "Adverse Effects of cosmetics on women's Reproductive Health" in a book on 'Reproductive health in India: Concerns and Awareness' edited by Dr Varsha Baweja and Dr Ruby Mishra, ISBN No 978-819346343-7, Enriched publications.
- 2) Written chapter on "Effects of cosmetics and Perfumes on our health and environment" in a book on Biomedical and Environment 2016 ISBN no-978818030-479-8 by campus Book International.
- 3) 'Reproductive health in India: Concerns and Awareness' edited by Dr Varsha Baweja and Dr Ruby Mishra, ISBN No 978-819346343-7, enriched publications.
- 4) Pharmaceutical Organic Chemistry, by Dr RUBY MISHRA and Prof Hemlata M.Nimje ISBN-978-93-86232-21-2, Thakur publishers Pune; [www.ttpl.org.in](http://www.ttpl.org.in)

##### **Research papers published in Refereed/Peer Reviewed Journals**

1.  $K_2CO_3$  – Mediated Regioselective Synthesis of Isoxazoles and Pyrazolines.  
*Letter in Organic Chemistry*, 2006, 3, 135-139  
M.Kidwai, S.Kukreja, **R.Thakur**
2. New Solid Supported Synthesis of Thieno [2,3-d] pyrimidine,  
*Journal of Sulphur Chemistry*, 2006, 27, 57-63  
M.Kidwai, V.Bansal, **R.Thakur**
3. Green Chemistry in Sustainable National Development  
*Journal of Indian Chemical Society*, 2005, 82, 49-57  
M.Kidwai, **R.Thakur**
4. Ecofriendly Synthesis of Pyridine/Pyrido[2,3-d]pyrimidine derivatives  
*Russ Chem. Bull.*, 2005, 54(6), 1479-1482  
M.Kidwai, **R.Thakur**, S.Saxena
5. Novel Route to Niementowski Reaction  
*Crotica Chemica Acta*, 2003, 76, 365-369  
M.Kidwai, S.Rastogi, **R.Mohan**, R.Thakur
6. Neat Synthesis of 2,4,6-Trisubstituted Pyridines  
*Zeitschrift Fur Naturforschung, Section B*, 2004, 59B, 606-608  
M.Kidwai, S.Rastogi, **R.Thakur**, S.Saxena
7. Ecofriendly Synthesis of Quinazolin-4(3H)-ones  
*Indian Journal of Chemistry*, 2004, 43B, 423-425  
M.Kidwai, **R.Thakur**, S.Rastogi
8. A Facile Synthesis of Substituted Benzodiazepine using Solid Support  
*Chemistry of Heterocyclic Compounds (Khim. Geterosikl. Soedin).*, 2004, 5, 745-748  
M.Kidwai, **R.Thakur**, R.Venketramanan
9. New Route to 2,4,6-Trisubstituted-6H(1,3)Oxazines  
*Bull. Chem. Soc. Japan*, 2004, 77, 2265-2267  
M.Kidwai, **R.Thakur**, R.Mohan
10. A Facile Synthesis for Novel Pyrimido[1,3,4]triazepine  
*Letter in Organic Chemistry*, 2005, 2, 136-138  
M.Kidwai, K.Singal, **R.Thakur**
11. Ecofriendly Synthesis of Novel Antifungal Thiobarbituric Acid / Barbituric Acid Derivatives  
*Acta Chemica Solvanica*, 2005, 52, 89-92  
M.Kidwai, **R.Thakur**, R.Mohan

12. A Facile Synthesis of Substituted Pyridines & Pyrazolo[3,4-b]pyridines  
J. Heterocycl. Chem., 2005, 42, 1181-1188  
M.Kidwai, **R.Thakur**, R.Mohan

***Research papers published in Conferences/Seminar other than Refereed/Peer Reviewed Conferences***  
**Scientific Presentation/participation:**

- 1) International Conference on Natural Products and Human Health -2020 ICNPHH2020dd
  - a) Synthesis of Fluorescent **aromatic** agarose-amino acid conjugates: Study of its PH dependent protein-like behavior and interaction with Bovine serum Albumin.  
Sharma A.K, **Mishra R**, Prasad K, Siddhanta A.K- ISBN9788194428237- OTH0048-PP125
  - b) Bio-degradable adsorbent for waste water remediation  
Milhotra A, **Mishra R**, Kumar S and Patel M-ISBN9788194428237-OTH0046-PP124
  - c) Potential hidden risks of chemicals present in personal care products (PCPs) on health and Environment  
**Mishra R**, Kumar R, Giri A-ISBN9788194428237-EP0010-pp35
- 2) International conference on Environmental Challenges and Solutions 31<sup>st</sup> January to 2<sup>nd</sup> February on the topic “Effects of chemicals present in daily care products on environment”.
- 3) Presented research work in Utkarsh 2018 an International Conference Empowering and Enabling Women in Science organized by CSIR-National Environmental Engineering Research Institute (NEERI), Nagpur, Maharashtra on 30<sup>th</sup> and 31<sup>st</sup> October, 2018.
- 4) Participated in National workshop on Skill Development to build a Clean India organized by CSR, Oil and Natural Gas Corporation Ltd at Deshbandhu College, University of Delhi on 7<sup>th</sup> and 8<sup>th</sup> June, 2018.
- 5) Presented paper in DBT Sponsored National Conference on Innovations in Sciences in Emerging challenges in Health and Environment (NSHE-2018) organised by Department of Chemistry, Daulat Ram College, University of Delhi, on 20<sup>th</sup> march 2018.
- 6) Participated in National workshop on Technical Terminology in Science Teaching at Deshbandhu College, University of Delhi on 26<sup>th</sup> and 27<sup>th</sup> October, 2017.
- 7) National Conference on Environmental Sustainability in Wastewater Remediation: Current Status and Future Prospects (ESWR-2017), Organized by Sri Venkateswara College, University of Delhi. (19<sup>th</sup>- 20<sup>th</sup> Jan. 2017)
- 8) National conference on “Innovations in chemistry laboratory teaching” pp-16, ISBN: 978-1-63535-361-7, Enriched publications PVT LTD held on 8<sup>th</sup> and 9<sup>th</sup> February, 2017 (INCLAT), Organized by Zakir Husain Delhi College, University of Delhi.
- 9) International Conference on Advances in Nano-science and Nanotechnology (ICANN-2016) on November 4 & 5, 2016. Organized by Centre for Nano-science and Nanotechnology (CNN), Jamia Millia Islamia, New Delhi
- 10) Presented poster in the National Conference on Combating Industrial pollution for Sustainable Environment –A fusion of Industrial and Scientific Efforts held at Gargi College, University of Delhi on September 22-23, 2016.
- 11) Presented paper on topic “Adverse effects of cosmetics on human reproductive health” at National symposium on Reproductive Health in India: Concerns and Awareness, held at Deshbandhu College on February 12, 2016.
- 12) Poster presented on topic “Environmentally benign water cleansing technology by using plants” in a National conference on Interdisciplinary approaches in chemical science IACS 2015 held on 16<sup>th</sup> of December 2016 at centre for Interdisciplinary Research in Basic Science, Jamia Millia Islamia New Delhi.

13) Presented Paper in the National Seminar on “Innovative Advance Research in Bio-Medical and Environmental Dynamics” organized by Department of Chemistry Dayal Singh College, University of Delhi on October 9<sup>th</sup> and 10<sup>th</sup> 2015.

14) Participated in a Training Programme on Technical Terminology and Science teaching organized by terminology at Deen Dayal Upadhyaya College, Delhi University on 18<sup>th</sup>, 19<sup>th</sup> September 2015 organized by the commission for scientific and technical terminology (Government of India, MHRD, DHE)

#### Conference Organization/Presentations

1. Part of organizing team of International Conference on “Human Rights: National and International Issues and Challenges” organized by Saikshik Foundation and Deshbandhu College.
2. Worked as Rapporteur in a session at International Conference on “Human Rights: National and International Issues and Challenges” organized by Saikshik Foundation and Deshbandhu College.
3. Organized state level camp as college co-ordinator in Vidhyarthi Vigyan Manthan 2019 jointly organized by Deshbandhu College, NCERT, DST and Vigyan Bharti on Sunday, 19<sup>th</sup> January, 2020.
4. Delivered talk in a national conference Bharat ka Vigyan main yogdaan at central university of Haryana (CUH) on 5<sup>th</sup> March 2020 on the topic “*Menstruating women and cultural Practices-A scientific View*”
5. Eminent speaker in a session at international conference on the “**Natural products and human health-2020**” on 27<sup>th</sup> - 29<sup>th</sup> 2020 at conference center, University of Delhi on the topic “Potential hidden risks of chemicals present in personal care products (PCP’S) on health and environment”.
6. Invited as a Subject Expert as a part of “International Science festival -2019” held at Biswa Bangla Convention centre, Kolkata, 5<sup>th</sup> to 8<sup>th</sup> November, 2019.
7. Participated in two days national workshop on science with the lens of scientific-technical terminology 29<sup>th</sup> & 30<sup>th</sup> January 2020 organized by the commission for scientific and technical terminology (Government of India, MHRD, DHE)
8. Worked as teacher Co-ordinator in “India International Science Festival” organized on 5<sup>th</sup> -8<sup>th</sup> October, 2018 at Indira Gandhi Pratisthan, Lucknow.
9. Worked as organizing member in a workshop on skill Development to build a clean India held on June 7<sup>th</sup> and 8<sup>th</sup> 2018, Organized by Deshbandhu College, Kalkaji, New Delhi.
10. Worked as organizing member in a seminar on topic “Understanding Nationalism” on 11<sup>th</sup> August 2016 organized by extension lecture committee Deshbandhu College.
11. Organized a talk on “National and Moral Duties of teacher” by Shri Indresh Jee (National executive Member RSS) and chaired by Shri Umesh Sharma (chairman Governing body DBC) in association with extension lecture committee on 28<sup>th</sup> September 2015.

#### Research Projects (Major Grants/Research Collaboration)

##### Supervision of Research Project (Summer/Winter/Innovation projects)

1. Worked as Principal investigators with Dr. Kakoli Bera and, Dr. Monika Sharma in an innovation project title “Fabrication of Multi-layered Nanostructure and its Applications in Spintronic devices”.
2. Co-supervised at the department of chemistry in a Summer Training project on the topic “Principals of NMR spectroscopy” to the student of applied chemistry of Amity University Noida, from 18<sup>th</sup> may to 25<sup>th</sup> June 2015 (six weeks).

#### Awards and Distinctions

#### Association With Professional Bodies

- LIFE member of **Indian society of Analytical scientists (ISAS)** –Delhi Chapter with membership No-LM15
- Life member of **Indian council of chemists (ICC)** with life fellow number -1749
- Life member of **Indian Science congress Association.**

#### Other Activities

##### Career Advancement /In service courses

1. .Successfully completed One Week online faculty Development Programme on “Development and Delivery of MOOCs and E-Content” jointly organized by central University of Haryana ,Mahendergarh under the aegis of Pandit Madan Mohan Malaviya National Mission on Teachers and Teachings (PMMMNTT) and IQAC,Deshbandhu College ,University of Delhi,New Delhi,from 26th JUNE,2020 to 1st July 2020.
2. Successfully completed Two weeks Faculty Development Programme on Entrepreneurship (SCIENCE,TECHNOLOGY and MANAGEMENT FOR Society ) held from December 13<sup>th</sup>-27<sup>th</sup>,2018 ,jointly organized by Deshbandhu College in association with Teaching and learning Centre,Ramanujan College under the aegis of Pandit Madan Mohan Malaviya National Mission on Teachers and Teachings (PMMMNTT )Sponsored by NSTEDB,DST ,GOVT of India.
3. Participated in a regional workshop on research base pedagogical tools held in sir padampat Singhania University, Udaipur from 17<sup>th</sup> to 19<sup>th</sup> February 2020(3 days) organized by (DBT),(IISER) Pune (supported by MHRD, Government of India).
4. Participated in the Faculty Development Programme from 27<sup>th</sup> November to 7<sup>th</sup> December organized by GADC, Khalsa College, and University of Delhi.
5. Participated in the four week refresher course in Life Sciences and Biotechnology (IDC) from 03<sup>rd</sup> October 2016 to 28<sup>th</sup> October 2016 Organized by UGC –HRDC Jawaharlal Nehru University.
6. Participated in the refresher course in chemistry from 26<sup>th</sup> June 2015 to 16<sup>th</sup> July organized by UGC-ASC and CPDHE and Department of Chemistry University of Delhi.

7. Participated in the orientation programme OR\_63 from July 12<sup>th</sup> to 7<sup>th</sup> August 2010, organized by UGC\_ASC CPDHE and ILLL university of Delhi.

Signature of Faculty Member

- You are also requested to give your complete resume as a Word or PDF file to be attached as a link on your department page.