

Curriculum Vitae

Dr. Raj Laxmi Mishra
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Department of Chemistry
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Area of Interest

- Synthetic Organic Chemistry
- Synthetic Inorganic and Organometallic Chemistry
- Polymer Chemistry

Education

- **Ph.D.:** (D. D. U. Gorakhpur University, 2017-2024), **Topic:** *“Studies of new functional Materials of Ti (IV) and Sn (IV) using N, O, & S-donor ligands”*
- **M. Tech.:** (IIT Delhi 2011-2013), **Project Topic:** *“Dehydrogenative Heck coupling of secondary Aryl Bromides: Ligand free coupling Aryl Chlorides using low Pd-loading”*
- **M. Sc.:** Department of Chemistry, D. D. U. Gorakhpur University, Gorakhpur in 2010
- **B.Sc.:** Faculty of Science, D. D. U. Gorakhpur University, Gorakhpur in 2008

Teaching Experience

- **U.G.:** 6 Years (Assistant Professor at Department of Chemistry, D. D. U. Gorakhpur University)
- **P.G.:** 6 Years (Assistant Professor at Department of Chemistry, D. D. U. Gorakhpur University)

Awards

- **GATE:** Graduate Aptitude Test in Engineering in 2011.
- **J.R.F.:** Junior Research Fellowship, CSIR in 2011

Skill Set

- HPLC, GC, IR, UV-VIS, FLASH Chromatography
 - Performing reactions under inert atmosphere, using Schlenk line
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Administrative Work

- Assistant center superintendent: B.A./B.Sc./B.Com/M.A./M.Sc./M.Com. Examination- 2018-2019
 - **Organizing Secretary:** National Seminar cum “Webinar on Women in Leadership: Science” organized by Department of Chemistry, D.D.U. Gorakhpur University on March 8th, 2021.
 - Member of Board of Study, Department of Chemistry, D.D.U. Gorakhpur University, Gorakhpur
 - Worked as Assistant Proctor, D.D.U. Gorakhpur University, Gorakhpur
 - Worked as In Charge of many Sports, D.D.U. Gorakhpur University, Gorakhpur
 - Worked as Programme Officer, NSS, D.D.U. Gorakhpur University, Gorakhpur
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Publications

- **R. L. Mishra**, I. Ameen, A. K. Tripathi, J. Yadav, A. Agrawal, A. Siddiqui, and U. N. Tripathi*, **Synthesis, Characterization and Structure Activity Relationship of Novel Biologically active heretoleptic complexes of Tin(IV) with N, O & S-donor ligands**, *JCHR*, 2023,13, 1606-1615.
- **R. L. Mishra**, A. K. Tripathi, I. Ameen, J. Yadav, A. Siddiqui, and U. N. Tripathi*, **Synthesis, characterization and biological activity of mixed ligand complexes of Ti(IV) with N, O, & S-donor ligands**, *Ajasra*, 2024, 13, 259-271.
- Abhishek Kumar Tripathi, Iffat Ameen, **Raj Laxmi Mishra**, Afshan Siddiqui, and U. N. Tripathi*, **Synthesis, characterization and luminescence study of mixed ligand complexes of Thorium (IV) with S, N, and O donor ligands: As possible precursor for Luminescence material**, *IJRAR*, 2021, 8, 262-270.
- Iffat Ameen, **Raj Laxmi Mishra**, Abhishek Kumar Tripathi, Afshan Siddiqui, and Umesh Nath Tripathi* **Photo-physical properties of lanthanides doped O-bridged conducting indole oligomer**. *Karbala International Journal of Modern Science*, 2020, 6, 103-114, 2405-6103.
- Iffat Ameen, Abhishek Kumar Tripathi, **Raj Laxmi Mishra**, Afshan Siddiqui, and Umesh Nath Tripathi* **Luminescent, optical, magnetic and metamaterial behavior of cerium complexes**. *Journal of Saudi Chemical Society*. 2019, 23, 725-739, 1319-6103.

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- Iffat Ameen, Abhishek Kumar Tripathi, **Raj Laxmi Mishra**, Afshan Siddiqui and Umesh Nath Tripathi*, **A study on enhancing the quantum yield and antimicrobial activity of Pr(III) by varying the coordination environment**, *RSC Adv.*, 2018, 8, 8412-8425, 2046-2069.
 - Iffat Ameen, Abhishek Kumar Tripathi, **Raj Laxmi Mishra**, Afshan Siddiqui and Umesh Nath Tripathi*, **Aging effect on bonding properties of fluorescent neodymium materials**, *Karbala International Journal of Modern Science*, 2018, 4, 258-273, 2405-6103.
 - Iffat Ameen, Abhishek Kumar Tripathi, **Raj Laxmi Mishra**, Afshan Siddiqui and Umesh Nath Tripathi*, **A Luminescence Approach to Synthesize Neodymium Addition Complexes with Nitrogen and Phosphorus Donor Bases**, *J. Chem. & Cheml. Sci.*, 2018, 8, 113-124, 2319-7625.
 - Abhishek Kumar Tripathi, Iffat Ameen, **Raj Laxmi Mishra**, Afshan Siddiqui and Umesh Nath Tripathi*, **A luminescence Study of mixed ligand complexes of Thorium(IV) with Oxygen, Sulfur and nitrogen donor ligands; as possible precursor for luminescence material**, *Int. J. Pure App. Chem.*, 2018, 13, 150-156, 0973-3876.
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Conferences/Seminars/Workshops

- INTERNATIONAL CONFERENCE ON MULTIFACETED APPLICATION OF CHEMICAL SCIENCES (ICMACS-2024), 30-31 March 2024, Department of Chemistry, M. L. K. P.G. College, Balrampur (U.P.).
- NATIONAL CONFERENCE ON MOLECULES TO MATERIALS ON SUSTAINABLE DEVELOPMENT, 25-26 March 2022, Department of Chemistry, D.D.U. Gorakhpur University Gorakhpur.
- NATIONAL SEMINAR-CUM-WEBINAR ON WOMEN IN LEADERSHIP: SCIENCE, 8 March 2021, Department of Chemistry, D.D.U. Gorakhpur University Gorakhpur.
- INTERNATIONAL WEBINAR ON CURRENT TRENDS AND FUTURE PROSPECTIVE OF CHEMISTRY IN PANDEMIC-ERA, 28-29 Sep 2020, Department of Chemistry, D.D.U. Gorakhpur University Gorakhpur.

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- INTERNATIONAL SYMPOSIUM ON ENVIRONMENT, SUSTAINABILITY, LAW & CULTURAL LANDSCAPE OF ASIA, 17-19 Oct 2019, Department of Geography and Department of Law, D.D.U. Gorakhpur University Gorakhpur.
 - NATIONAL CONFERENCE ON SMART MATERIAL AND SUSTAINABLE TECHNOLOGIES (NCMST), 23-24 Feb 2019 Department of Chemistry, D.D.U. Gorakhpur University Gorakhpur.
 - NATIONAL SYMPOSIUM ON ADVANCED MATERIAL SCIENCE, 7-8 Dec 2018, Department of Physics, D.D.U. Gorakhpur University Gorakhpur.
 - INTERNATIONAL SEMINAR ON EMERGING TRENDS IN CHEMICAL SCIENCES, 24-25 Feb 2018, Chemistry, D. D. U. Gorakhpur University.
 - NATIONAL SEMINAR ON INTELLECTUAL PROPERTY RIGHTS AND ITS PROTECTION, 28 Oct 2017, Chemistry, MGPG, college, Gorakhpur.
 - INTERNATIONAL CONFERENCE ON GREEN CHEMISTRY AND ENVIRONMENTAL HEALTH, 25-26 Sep 2017, chemistry, Marwar Business School, Gorakhpur.
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Declaration

The information I have provided here is true to the best of my knowledge and belief.

Date: 30.11.2024

Place: Gorakhpur



Raj Laxmi Mishra