


## BRIEF PROFILE

 <b>Photograph</b>	<b>Name</b>	Reshu
	<b>Designation</b>	Assistant Professor
	<b>Area</b>	Coordination chemistry
	<b>Email</b>	reshutomar23@gmail.com
	<b>Contact No.</b>	7060552626
<b>Professional Experience</b>	<ul style="list-style-type: none"> <li>Teaching Experience of 8.5 months for both UG and PG.</li> </ul>	
<b>Education Qualification</b>	<ul style="list-style-type: none"> <li>10<sup>th</sup> (61%)</li> <li>12<sup>th</sup> (69%)</li> <li>B.Sc. (65%)</li> <li>M.Sc. (79%)</li> <li>Ph.D.</li> <li>NET (CSIR) All India rank (40/628)</li> </ul>	
<b>Area of Research</b>	Coordination chemistry	
<b>Current Research, If any</b>	No	
<b>Publications:</b> <ul style="list-style-type: none"> <li>Articles in Journals (only Scopus/SCI)</li> <li>Books edited/Chapter contributed/</li> <li>Books authored</li> </ul>	<ul style="list-style-type: none"> <li>M. R. Maurya, <b>R. Tomar</b>, P. Gupta, F. Avecilla, “Trinuclear cis-dioxidomolybdenum(VI) complexes of compartmental <math>C_3</math> symmetric ligands: Synthesis, characterization, DFT study and catalytic application for hydropyridines (Hps) via Hantzsch reaction”, <i>Polyhedron</i>, <b>2020</b>, <i>186</i>, 114617.</li> <li>M. R. Maurya, <b>R. Tomar</b>, F. Avecilla, N. Ribeiro, M. F. N. N. Carvalho, M. L. Kuznetsov, I. Correia, J. C. Pessoa, “Trinuclear vanadium(IV) and vanadium(V) complexes derived from 2,4,6-triacetylphloroglucinol and study of their peroxidase mimicking activity”,</li> </ul>	

	<p><i>Dalton Trans.</i>, <b>2020</b>, <i>49</i>, 2589–2609.</p> <ul style="list-style-type: none"> <li>• M. R. Maurya, <b>R. Tomar</b>, L. Rana, F. Avecilla, “Trinuclear dioxidomolybdenum(VI) complexes of tritopic phloroglucinol-based ligands and their catalytic applications for the selective epoxidation of olefins”, <i>Eur. J. Inorg. Chem.</i>, <b>2018</b>, 2952–2964.</li> <li>• M. R. Maurya, B. Mengesha, B. Uprety, N. Jangra, <b>R. Tomar</b>, Fernando Avecilla, “Oxygen atom transfer between DMSO and benzoin catalyzed by cis-dioxidomolybdenum(VI) complexes of tetradentate Mannich bases”, <i>New J. Chem.</i>, <b>2018</b>, <i>42</i>, 6225–6235.</li> <li>• T. A. Dar, <b>R. Tomar</b>, R. M. Mian, M. Sankar, M. R. Maurya, “Vanadyl <math>\beta</math>-tetrabromoporphyrin: synthesis, crystal structure and its use as an efficient and selective catalyst for olefin epoxidation in aqueous medium”, <i>RSC Adv.</i>, <b>2019</b>, <i>9</i>, 10405–10413.</li> </ul>
<p><b>Conferences/Seminars/Workshops/ FDP/MDP attended</b></p>	<ul style="list-style-type: none"> <li>• M. R. Maurya, <b>R. Tomar</b>, P. Gupta, F. Avecilla, “Synthesis and characterization of the <math>C_3</math>-symmetric Molybdenum (VI) complexes: A hydroxyridines (HPs) fascinated Hantzsch reaction” poster presentation at International Conference on Chemical Constellation Cheminar-2019 held at NIT Jalandhar, Punjab during Date-12–13 Oct, 2019 (<b>Best poster award</b>).</li> <li>• M. R. Maurya, <b>R. Tomar</b>, F. Avecilla, “Dioxidomolybdenum (VI) complexes derived from tricarbohydrazide having three pockets and their catalytic activity” poster presentation at New frontiers in chemical science (NFCS) held at IIT Bombay, Mumbai during 13–14 Dec 2018.</li> <li>• M. R. Maurya, <b>R. Tomar</b>, F. Avecilla, “Synthesis, characterization and catalytic aspects of Trinuclear Molybdenum complexes” poster presentation at Modern Trends in Inorganic Chemistry (MTIC-XVII) held at CSIR-NCL, Pune and IISER, Pune during December 11–14, 2017.</li> <li>• M. R. Maurya, <b>R. Tomar</b>, L. Rana, F. Avecilla, “Trinuclear dioxidomolybdenum(vi) complexes of tritopic phloroglucinol-based ligands and their catalytic applications for the selective</li> </ul>

	<p>epoxidation of olefins” poster presentation at ‘ACS on Campus Symposium’ held at IIT Roorkee on February 7, 2018.</p> <ul style="list-style-type: none"> <li>• Attended Science Academies Lecture Workshop on ‘Emerging Trends in Bioinorganic Chemistry’, 2018, Department of Chemistry IIT Roorkee.</li> <li>• Attended “Publishing in Academic Journals: An Author’s Workshop” by Taylor &amp; Francis Group on 4 May 2019, MAC Auditorium, IIT Roorkee.</li> </ul>
<p><b>Award/Certificate/Prize received</b></p>	<ul style="list-style-type: none"> <li>• Junior Research Fellowship, Council of Scientific &amp; Industrial Research: 2015-2017.</li> <li>• Senior Research Fellowship, Council of Scientific &amp; Industrial Research: July 2017 -July 2020.</li> <li>• Best poster award in international conference.0</li> </ul>
<p><b>Any extra-curricular activities</b></p>	<ul style="list-style-type: none"> <li>• Lab coordinator</li> <li>• Coordinator, PTM. SALS</li> </ul>