

<b>Name</b>	<b>Dr Paresh N Patel</b>
<b>Address</b>	Department of Chemistry, Uka Tarsadia University, Bardoli - 394350, Gujarat, INDIA.
<b>Designation</b>	Assistant Professor
<b>Email</b>	<a href="mailto:paresh.patel@utu.ac.in">paresh.patel@utu.ac.in</a> / <a href="mailto:drpnpatel446@rediffmail.com">drpnpatel446@rediffmail.com</a>
<b>Qualification</b>	<b>PhD – 2013</b> (Department of Chemistry; Sardar Patel University) <i>Organic Synthesis</i> <b>MSc – 2009</b> (Department of Chemistry; Sardar Patel University) <i>Organic Chemistry</i> <b>BSc – 2007</b> (NV Patel Science College; Sardar Patel University) <i>Chemistry</i>
<b>Area of Research Interest</b>	<ul style="list-style-type: none"> <li>❖ Development of green methodology in organic synthesis for effective drugs molecules</li> <li>❖ Porous coordination polymer as biosensor, isolator and storage</li> <li>❖ Synthesis of Au nanoparticle by renewable resources and its catalytic application</li> <li>❖ Asymmetric synthesis by biocatalysts</li> </ul>
<b>Experience</b>	<ul style="list-style-type: none"> <li>❖ Assistant Professor, Uka Tarsadia University, Bardoli, Gujarat, Nov. 2016 to till date</li> <li>❖ Institute Postdoctoral Fellow, IIT Madras, Chennai, Tamilnadu, Nov. 2013 to Oct. 2016</li> <li>❖ Fellow, NIF – Ahmedabad, Gujarat, Aug. 2013 to Oct. 2013</li> <li>❖ SRF, Department of Chemistry, Sardar Patel University, Gujarat, May 2011 to July 2013</li> </ul>
<b>Group Page</b>	<a href="https://pareshn111.wixsite.com/drpnpatel">https://pareshn111.wixsite.com/drpnpatel</a>
<b>Achievements</b>	<p><b>Grants</b></p> <ul style="list-style-type: none"> <li>❖ Got research grant of Rs. 10 Lakh from ICSR-IITM for two years as co-investigator (2014-2016)</li> <li>❖ International travel grant from DBT, Gol., for International Conference in USA (August 2015)</li> <li>❖ Minor research project from GUJCOST (Proposal accepted)</li> <li>❖ UTU-RPS seed grant of 60,000/- as PI for 2018-2019</li> </ul> <p><b>Editor</b></p> <ul style="list-style-type: none"> <li>❖ Editorial Board Member of Journal Club for Applied Sciences (From 2014)</li> <li>❖ Editorial Board Member of International Journal of Chemical Synthesis and Chemical Reactions (From 2015)</li> </ul>

	<p><b>Membership</b></p> <ul style="list-style-type: none"> <li>❖ The Indian Science Congress Association (From 2014)</li> </ul> <p><b>Guided</b></p> <ul style="list-style-type: none"> <li>❖ Guided eight post graduate students at IIT Madras as co-guide (2013-2016) and two students from Denmark</li> <li>❖ Guided 23 post graduate students at Chem. Dept., UTU (2016-2017)</li> </ul> <p><b>Reviewer</b></p> <ul style="list-style-type: none"> <li>❖ Synthesis and Reactivity in Inorganic, Metal-Organic, and Nano-Metal Chemistry</li> <li>❖ Heterocyclic Communications</li> <li>❖ Journal of Energy and Chemical Engineering</li> <li>❖ Russian Journal of Organic Chemistry</li> <li>❖ Journal of Heterocyclic Chemistry</li> </ul>
<p><b>List of Publications</b></p>	<ul style="list-style-type: none"> <li>❖ <b>Books:</b> 06</li> <li>❖ <b>Patent</b>  “SUSTAINABLE YEAST SUPPORTED GOLD NANOPARTICLES CATALYST”  Application no. 201841007297 - 27.02.2018</li> <li>❖ <b>Paper Publications:</b>  <b>Coming soon</b> <ol style="list-style-type: none"> <li>1. “Biomass-supported sustainable catalyst: One pot yeast mediated gold nanoparticles for the efficient reduction of nitroarenes” Saravanan, K.; <b>Patel, P. N.</b>; Venkatraman, S.; Chadha, A. <i>ACS Catalysis</i>.</li> <li>2. “Heteroaryl-Appended Terpyridine Derivatives: DNA Binding and Photocleavage Studies of Copper(II) Complexes” <b>Patel, P. N.</b>; Rajalakshmi, S.; Chadha, A. <i>Dalton Trans</i>.</li> <li>3. “5H-Cyclopenta[1,2-b:5,4-b']dipyridin-5-ol: Synthesis, Single Crystal Structure and Spectroscopic Aspects” Paresh N Patel, Anita Pal; <i>Journal of Chemical Crystallography</i>.</li> <li>4. “Supramolecular science: An interphase of chemistry, biology and physics” Paresh N Patel, Maya Kuber; under preparation.</li> </ol> </li> <li><b>2018</b> <ol style="list-style-type: none"> <li>5. “Immobilizing Siderophores on Solid Surfaces for Bacterial Detection” P Bhadra, S Mohammed, <b>Paresh N Patel</b>, et. al.; <i>Journal of The Electrochemical Society</i> (2018) 165 (8), B3017-B3022. (Washington State University, USA collaboration)</li> </ol> </li> </ul>

<p><b>2017</b></p> <p>6. "A simple metal free highly diastereoselective synthesis of heteroaryl substituted (<math>\pm</math>) cyclohexanols by a branched domino reaction" <b>Paresh N Patel</b>, Anju Chadha; <i>Tetrahedron</i> (2017) 74 (1), 204-216.</p> <p><b>2016</b></p> <p>7. "Synthesis, Single Crystal Structure and Spectroscopic Aspects of Benzo[b]thiophene-3-carbaldehyde Based Chalcones" <b>Paresh N Patel</b> and Anju Chadha; <i>Journal of Chemical Crystallography</i> (2016) 46, 245-251.</p> <p>8. "Preparation, Characterisation and Crystal Structure Analysis of (2<i>E</i>,2'<i>E</i>)-3,3'-(1,4-Phenylene)bis(1-(2-aminophenyl)prop-2-en-1-one)" <b>Paresh N Patel</b> and Anju Chadha; <i>Crystallography Reports</i>,(2016) 61, 7, 1086–1089.</p> <p><b>2015</b></p> <p>9. "Crystal structure of (<i>E</i>)-1,3-bis(6-methoxynaphthalen-2-yl)prop-2-en-1-one" <b>Paresh N Patel</b>, Anju Chadha; <i>Acta Crystallographica Section E</i>. (2015); E71, o884–o885.</p> <p>10. "Synthesis and some novel transformations of a spiro 4-thiazolinone derivative and its antimicrobial activities" <b>Paresh N. Patel</b> and Yogesh S. Patel, <i>Cogent Chemistry</i> (2015), 1: 1048558.</p> <p>11. "Studies on metal complexes of 1-((8-hydroxyquinolin-5-yl)methyl)-3-(thiazol-2-ylimino)indolin-2-one" <b>Paresh N. Patel</b>, Yogesh S. Patel, <i>Research on Chemical Intermediates</i> (2015) DOI 10.1007/s11164-014-1903-3.</p> <p><b>2014</b></p> <p>12. "Synthesis and pharmacological evaluation of novel spiro 4-thiazolinone derivatives as antimicrobial agents" Shah, Purvesh J., <b>Patel, Paresh N.</b>, Patel, Khyati D., Patel, Hasmukh S.; <i>Heterocyclic Letters</i>; 4(4); 537-547; 2014.</p> <p>13. "Decolorize dye effluents of textile industries by sulfonated ureaformaldehyde Resin" <b>Paresh N. Patel</b>, Yogesh S. Patel, Hasmukh S. Patel <i>Arab J. Phys. Chem.</i>; 1(2); 46-51; 2014.</p> <p>14. "Biological Evaluation and Spectral Studies of Asymmetrical 3,5-Disubstituted-1,2,4-Oxadiazoles" Yogesh S. Patel, <b>Paresh N. Patel</b>, Hasmukh S. Patel <i>International Research Journal of Pure &amp; Applied Chemistry</i>; 4(3); 315-326; 2014.</p>
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	<p>15. "Studies on Coordination Polymers Derived from 2,5-Bis(naphthalen-1-ylcarbonyl) terephthalic acid" Yogesh S. Patel, <b>Paresh N. Patel</b>, Hasmukh S. Patel; <i>Journal of Macromolecular Science, Part A: Pure and Applied Chemistry</i>; 51; 134–143; 2014.</p> <p><b>2013</b></p> <p>--</p> <p><b>2012</b></p> <p>16. "Studies on synthesis, characterization and solvatochromic effect of novel tris(heteroaryl)bisazo dyes for dyeing polyester fabric" Visha P. Modi, <b>Paresh N. Patel</b>, Hasmukh S. Patel; <i>Elixir Org. Chem.</i>; 44; 7192-7201; 2012.</p> <p>17. "Removal and decolorization of dye bearing textile effluents by sulfinated furfural-acetone resin" <b>Paresh N. Patel</b>, Hasmukh S. Patel; <i>Advances in Appl. Scie. Res.</i>; 3 (5); 2693-2699; 2012.</p> <p><b>2011</b></p> <p>18. "Synthesis, spectroscopic, thermal and biological aspects of drug-based copper(II) complexes" <b>Paresh N. Patel</b>, Darshna J. Patel, Hasmukh S. Patel; <i>Appl. Organometal. Chem.</i>; 25; 454-463; 2011.</p> <p>19. "Synthesis of some novel divalent transition metal complexes as antimicrobials" Kaushal K. Oza, <b>Paresh N. Patel</b>, Hasmukh S. Patel; <i>Chinese Chemical Letters</i>; 22; 935-938; 2011.</p> <p>20. "Synthesis and biological study of novel 5-[(4-(6,7-dihydrothieno[3,2-c]pyridine-5(4H)-ylsulfonyl)phenyl amino)-methyl]quinolin-8-ol and its metal complexes" <b>Paresh N. Patel</b>, Khyati D. Patel, Hasmukh S. Patel; <i>Chinese Chemical Letters</i>; 22; 1297-1300; 2011.</p> <p>21. "Studies on post reaction products of novel spiro indoline-thiazolidine derivatives" <b>Paresh N. Patel</b>, Hasmukh S. Patel; <i>Der Pharmacia Letter</i>; 3(1); 307-318; 2011.</p> <p>22. "Synthesis, spectral investigation and biological evaluation of novel non-cytotoxic tetrahydrothieno[3, 2-c]pyridine hydrazide derivatives" Visha P. Modi, <b>Paresh N. Patel</b>, Hasmukh S. Patel; <i>Der Pharmacia Letter</i>; 3(4); 120-133; 2011.</p>
<p><b>Seminar/ Conference/ Workshop</b></p>	<p><b>Paper Presented in International Conferences</b></p> <p><b>2016</b></p> <p>1. Poster presentation entitled "Lanthanide Metal Complexes of Heteroaryl Terpyridines and their Interaction with Calf Thymus DNA" in 19<sup>th</sup> CRSI, NBU, <b>West Bengal</b>, India, July 14-16, 2016.</p>

<p><b>2015</b></p> <ol style="list-style-type: none"><li>2. Poster presentation entitled "Study on interaction of novel heteroaryl chalcones with calf thymus DNA using molecular docking and spectroscopic techniques" in The 25<sup>th</sup> ISHC Congress– Santa Barbara, California, <b>USA</b>, August 23-28, 2015.</li></ol> <p><b>2014</b></p> <ol style="list-style-type: none"><li>3. Presented a poster entitled "Synthesis and characterization of novel lanthanide metal complexes: A study of their antimicrobial activity and interaction with bio-molecules" in the International Symposium on "Recent Advances in Medicinal Chemistry" to be held during 8<sup>th</sup>-10<sup>th</sup> September 2014 at NIPER, S.A.S. Nagar, Mohali, <b>Punjab</b>, India.</li></ol> <p><b>2013</b></p> <ol style="list-style-type: none"><li>4. Poster presentation on "Removal and Decolorization of Dye Bearing Textile Effluents By Sulfonated Furfural-Acetate Resin" in 3<sup>rd</sup> International Conference on "Advancements in Polymeric Materials 2013 (APM-2013)", 1<sup>st</sup> - 3<sup>rd</sup> March - 2013, at CIPET, <b>Lucknow</b>, UP, India.</li><li>5. Presented a poster entitled "Removal and decolorization of dye bearing textile effluents by sulfinated urea-formaldehyde resin" in "International Convention on Colorants – 2013, 8<sup>th</sup> and 9<sup>th</sup> January 2013 - <b>Gandhinagar</b>, Gujarat, India.</li><li>6. Participated an "International conference for academic Institutions 2013" held at <b>Gandhinagar</b> on 9<sup>th</sup> - 10<sup>th</sup> January 2013.</li></ol> <p><b>2012</b></p> <ol style="list-style-type: none"><li>7. Presented a poster entitled "Synthesis and pharmacological evaluation of some novel spiro 4-thiazolinone derivatives as antimicrobial agents" in 4<sup>th</sup> International Congress of Envir. Research, SVNIT, <b>Surat</b>, Gujarat 15<sup>th</sup> to 17<sup>th</sup> December 2011.</li><li>8. Poster presentation on "Synthesis of novel hetero imine based drugs containing 3-functionalized ligand and its metal complexes" in Inter. Conf. on Recent Trends in Advanced Materials, VIT University, <b>Vellore</b>, Tamil Nadu, 20<sup>th</sup> to 22<sup>th</sup> February 2012.</li><li>9. Oral presentation on "Removal and Decolorization of Dye Bearing Textile Effluents By Sulfinated Furfural-Acetate Resin" in a national conference on Energy resources, Envir. Impacts &amp; Ind. Waste Management, Sri Venkateswara University, <b>Tirupati</b>, 27<sup>th</sup> &amp; 28<sup>th</sup> February 2012.</li></ol>
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	<p>10. Oral presentation on "Synthesis, characterization and biological evaluation of asymmetrical 3, 5-disubstituted 1, 2, 4-oxadiazoles" in 2<sup>nd</sup> International Science Congress, 8<sup>th</sup>-9<sup>th</sup> December 2012, At Bon Maharaj Engineering College, <b>Vrindavan</b>, Mathura, UP, India.</p> <p><b>Paper Presented in National Conferences</b></p> <p><b>2017</b></p> <ol style="list-style-type: none"><li>1. Poster presentation entitled "A novel heteroaryl chalcones; interaction study with Calf Thymus DNA by molecular docking and spectroscopic techniques" at 54th Annual Convention of Chemists 2017, Department of Chemistry, UTU, Bardoli on 23rd to 25th Dec. 2017.</li></ol> <p><b>2012</b></p> <ol style="list-style-type: none"><li>2. Attended a international level conference on "Bridging the gap through English, Education, Equity, Empowermwnnt and Employability" at "H.M. Patel Institute of English Training and Research, <b>V.V. Nagar</b>, Gujarat 22<sup>th</sup> &amp; 23<sup>th</sup> June 2012"</li><li>3. Oral presentation on "Facile one-pot synthesis of asymmetrical 3,5-disubstituted 1,2,4-oxadiazoles and their biological activities" in national conference "SPU Research Scholar Meet", Sardar Patel University, <b>V. V. Nagar</b>-388120, 8<sup>th</sup> &amp; 9<sup>th</sup> January 2012.</li></ol> <p><b>Workshop &amp; Seminar</b></p> <p><b>2017</b></p> <ol style="list-style-type: none"><li>1. Attended "Industrial Academic Meet - 2017" at Department of Chemistry, UTU, Bardoli on 21<sup>st</sup> Feb. 2017.</li><li>2. Attended a "RBPT Level 1 workshop" at Indian Institute of Technology (IIT) Gandhinagar, Gujarat, from 10<sup>th</sup> to 13<sup>th</sup> December 2017.</li></ol> <p><b>2012</b></p> <ol style="list-style-type: none"><li>3. Attended a National level workshops on "National Workshop on Frontiers in Chemistry" at Dept. of Chem., Sardar Patel University, V. V. Nagar-388120, 2<sup>dn</sup> - 4<sup>th</sup> February 2012.</li><li>4. Attended a National level workshop "National Workshop on Research Methodology: a March Towards Creating Quality Through Research" at Sardar Patel University, V. V. Nagar-388120, 12<sup>th</sup> - 14<sup>th</sup> March 2012.</li><li>5. Attended a National level workshop on "Scientific/Research Paper Writing" at C.I.F.E., Mumbai, 08<sup>th</sup> - 10<sup>th</sup> June 2012.</li></ol>
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	<p>6. Attended a National level “UGC-Sponsored Interaction Programme” at Academic Staff College, Sardar Patel University, V. V. Nagar, 19<sup>th</sup> - 24<sup>th</sup> March 2012.</p> <p><b>2011</b></p> <p>7. Attended a National level seminar on “Recent Advances in Analytical Techniques for Pharmaceuticals” at Department of Pharmaceutical Sciences, Sardar Patel University, V. V. Nagar, 18<sup>th</sup> &amp; 19<sup>th</sup> March 2011.</p> <p>8. Attended a National level workshop on “Combine Application of Spectroscopy in Chemistry” at Dept. of Chem., Sardar Patel University, V.V. Nagar-388120, 17<sup>th</sup> - 19<sup>th</sup> February 2011.</p> <p><b>2010</b></p> <p>9. Attended a National level seminar on “Nano Technology Today and Tomorrow” at Department of chemical engineering, Nirma University, Ahmedabad, 08<sup>th</sup> April 2010.</p>
<p><b>Collaboration</b></p>	<ul style="list-style-type: none"> <li>✓ Professor Anju Chadah  <i>“Asymmetric Synthesis by Bio-catalysis”</i>                      Biotechnology Department                      IIT Madras, Chennai  <a href="https://biotech.iitm.ac.in/faculty/anju-chadha/">https://biotech.iitm.ac.in/faculty/anju-chadha/</a></li> <li>✓ Dr Shoba Narayan  <i>“Nanotechnology in material sciences”</i>                      Asst. Professor, Medical Bionanotechnology,                      FAHS, Chettinad Academy of Research &amp;                      Education, Chennai 603013  <a href="http://182.73.176.174/chc/scientists/Shobha.pdf">http://182.73.176.174/chc/scientists/Shobha.pdf</a></li> <li>✓ Prof. Sriram Kanvah Gundimeda, Prof. Sivapriya Kirubakaran and                      Prof. Arnab Dutta                      From IIT Gandhinagar  <a href="http://www.iitgn.ac.in/faculty/chemistry/sriram.htm">http://www.iitgn.ac.in/faculty/chemistry/sriram.htm</a>  <a href="http://www.iitgn.ac.in/faculty/chemistry/sivapriya.htm">http://www.iitgn.ac.in/faculty/chemistry/sivapriya.htm</a>  <a href="http://www.iitgn.ac.in/faculty/chemistry/arnab.htm">http://www.iitgn.ac.in/faculty/chemistry/arnab.htm</a></li> <li>✓ Prof. E Siva Subramaniam Iyer  <i>“Physical Chemistry, Time resolved Spectroscopy, Femtochemistry”</i>                      From IIT Goa  <a href="http://www.iitgoa.ac.in/faculty_page.php?id=22">http://www.iitgoa.ac.in/faculty_page.php?id=22</a></li> </ul>

Date: 10\_05\_2018

Place: Bardoli