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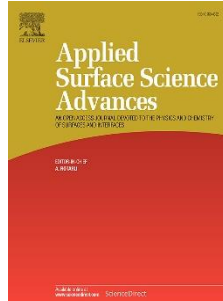
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## DEPARTMENT OF CHEMISTRY

### RECENT PUBLICATIONS

Sl No.	Details of publications	Cover Page
1	<p><b>Title:</b>Electrochemical sensor studies and optical analysis of developed clay based CoFe<sub>2</sub>O<sub>4</sub> ferrite NPs, International, Volume, <b>2021</b>, 100083.</p> <p><b>Article DOI:</b> <a href="https://doi.org/10.1016/j.sintl.2021.100083">https://doi.org/10.1016/j.sintl.2021.100083</a></p> <p>ISSN : 2666-3511</p> <p>Author: Dr.Mylarappa M, Department of Chemistry,</p>	
2	<p><b>Title:</b>Physico-Chemical Properties of Purified Carboxylesterase from the Seeds of Tamarindusindica, Asian Journal of Research in Biochemistry, 8 (1). pp. 42-58, <b>2021</b>, ISSN 2582-0516</p> <p><b>Article DOI:</b> <a href="https://doi.org/10.9734/ajrb/2021/v8i130173">https://doi.org/10.9734/ajrb/2021/v8i130173</a>.</p> <p>Authors: Dr.Kantharaju S and Dr.Mylarappa M, Department of Chemistry,</p>	
3	<p><b>Title:</b>NOVEL SYNTHESIS AND BIOLOGICAL ACTIVITY OF (2E)-1- (3-AMINO-5-CHLORO-1-BENZOFURAN-2-YL)-3-ARYLPROP2-EN-1-ONES AND THEIR DERIVATIVES, Rasayan Journal of chemistry, Vol. 14   No. 3  1699-1710  July - September   <b>2021</b> ISSN: 0974-1496  </p> <p><a href="http://doi.org/10.31788/RJC.2021.1436422">http://doi.org/10.31788/RJC.2021.1436422</a></p> <p>Authors:Dr.Mylarappa M, Department of Chemistry</p>	

4	<p><b>Title:</b>Development of clay ferrite nanocomposite: electrochemical, sensors and photocatalytic studies, Applied Surface Science Advances, Volume 5, 1 September <b>2021</b>, 100103.</p> <p><b>Article DOI :</b> <a href="https://doi.org/10.1016/j.apsadv.2021.100103">https://doi.org/10.1016/j.apsadv.2021.100103</a></p> <p>ISSN: 2666-5239</p> <p>Authors: Dr.Mylarappa M, Department of Chemistry</p>	
5	<p><b>Title:</b>Synthesis and Characterization of Rgo Doped Nb2O5 Nano Composite for Chemical Sensor Studies, <a href="#">ECS Transactions, Volume 107, Number 1, 2022</a>.ISSN: 1938-6737</p> <p>: <a href="https://iopscience.iop.org/article/10.1149/10701.0269ecst/meta">https://iopscience.iop.org/article/10.1149/10701.0269ecst/meta</a></p> <p>Authors: M Mylarappa, S Chandruvasan, S Kantharaju, S Rekha</p>	
6	<p><b>Title:</b>Selective Reduction of Aromatic Nitro Compounds to Amines From Pd Doped TiO2 Catalyzed Nano Catalyst,<a href="#">ECS Transactions, Volume 107, Number 1, 2022</a>.</p> <p><a href="https://iopscience.iop.org/article/10.1149/10701.1681ecst/meta">https://iopscience.iop.org/article/10.1149/10701.1681ecst/meta</a></p> <p>Author: M Mylarappa, Department of Chemistry</p>	
7	<p><b>Title:</b>Synthesis and Characterization of ZnO and MgO Nanoparticles through Green Approach and Their Antioxidant Properties, <a href="#">ECS Transactions, Volume 107, Number 1, 2022</a>.</p> <p><a href="https://iopscience.iop.org/article/10.1149/10701.0689ecst/meta">https://iopscience.iop.org/article/10.1149/10701.0689ecst/meta</a></p> <p>Authors: M Mylarappa and Kantharaju S Department of Chemistry</p>	
8	<p><b>Title:</b>Electrochemical, photocatalytic and sensor studies of clay/MgO nanoparticles, Applied Surface Science Advances, Volume 10, August <b>2022</b>, 100268.</p> <p>ISSN: 2666-5239</p> <p>Article DOI: <a href="https://doi.org/10.1016/j.apsadv.2022.100268">https://doi.org/10.1016/j.apsadv.2022.100268</a></p> <p>Authors: M Mylarappa, Kantharaju S, Department of Chemistry</p>	

<p>9</p>	<p><b>Title:</b>Facile hydrothermal synthesis of cerium oxide/rGO nanocomposite for photocatalytic and supercapacitor applications, Applied Surface Science Advances, Volume 11, October <b>2022</b>, 100307  ISSN: 2666-5239  Article DOI: <a href="https://doi.org/10.1016/j.apsadv.2022.100307">https://doi.org/10.1016/j.apsadv.2022.100307</a>  Author: M Mylarappa, Department of Chemistry</p>	
<p>10</p>	<p><b>Title:</b>Synthesis and Antimicrobial activity of 1-(3-amino-5-chloro-2, 3-dihydro-1-benzofuran-2-yl) ethan-1-one [2, 1-b]-furan and their derivatives, Res. J. Chem. Environ;<b>2022</b> 26 (11), 185-196.ISSN: 09720626  Article DOI: <a href="https://doi.org/10.25303/2611rjce1850196">https://doi.org/10.25303/2611rjce1850196</a></p>	
<p>11</p>	<p><b>Title:</b>Clay Incorporated Ruthenium Oxide Nanocomposite for Electrochemical, Sensor, Optical, Photocatalytic and Antioxidant Studies, Sustainable Chemistry for the Environment, Volume 2, 24 August <b>2023</b>, 100007.  Article DOI:<a href="https://doi.org/10.1016/j.scenv.2023.100007">https://doi.org/10.1016/j.scenv.2023.100007</a>  Authors: M Mylarappa, Kantharaju S, Department of Chemistry</p>	
<p>12</p>	<p><b>Title:</b>Comparative study of TiO<sub>2</sub> and palladium doped TiO<sub>2</sub> nano catalysts for water purification under solar and ultraviolet irradiation,, Chemistry of Inorganic Materials, Volume 1, December <b>2023</b>, 100002  <b>Article DOI:</b> <a href="https://doi.org/10.1016/j.cinorg.2023.100002">https://doi.org/10.1016/j.cinorg.2023.100002</a>  ISSN: 2949-7469</p>	
<p><b>BOOK/BOOK CHAPTER</b></p>		
<p>1</p>	<p>Electrochemical Properties of MnO<sub>2</sub> Nanoparticle Obtained from Waste Battery Powder by Reductive Acid Leaching Method.  <i>Newest Updates in Physical Science Research Vol. 5</i>, 26 May <b>2021</b> , Page 23-35  <a href="https://doi.org/10.9734/bpi/nupsr/v5/8180D">https://doi.org/10.9734/bpi/nupsr/v5/8180D</a></p>	

<p>2</p>	<p>Investigation and antioxidant and photo catalysis of natural honey and cow urine doped CeO<sub>2</sub> nanoparticles fabricated by reflux method, ISBN: 978-1-032-48423-5, CRC Press, Taylor &amp; Francis group, Typeset in Sabon LT Std by Ozone publishing Services, 2023. <a href="https://doi.org/10.4324/9781003388982">DOI:10.4324/9781003388982</a>.</p>	 <p>Engineering, Science, and Sustainability: Advancements in Technology and Techniques</p>
<p>3</p>	<p>“Recovery of metals from Waste Batteries: Experimental Studies &amp; their Characterization Techniques” Lambert Academic Publishing, 2021, ISBN: 978-620-4-71584-1.</p>	 <p>Recovery of metals from Waste Batteries Experimental Studies &amp; their Characterization Techniques</p>
<p>4</p>	<p>Honey Doped CeO<sub>2</sub> Nanoparticles and Their Opto-electronic Studies, Scholar Press, 2023, 978-620-5-52202-8.</p>	 <p>Honey Doped CeO<sub>2</sub> Nanoparticles and Their Opto-electronic Studies Development and Characterization Techniques of Natural Honey/CeO<sub>2</sub> Nanoparticles and Their Optical Properties</p>