



BMS

INSTITUTE OF TECHNOLOGY AND MANAGEMENT

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DEPARTMENT OF CHEMISTRY

RESEARCH Publications 2018-19

Dr. T Ramakrishnappa

1. Observation of oxo-bridged yttrium in TiO₂ nanostructures and their enhanced photocatalytic hydrogen generation under UV/Visible light irradiations, Chandan H. Ravikumar, M. Sakara, Ashesh Mahtoa, Ravishankar Thammadihalli Nanjundaiah, **Ramakrishnappa Thippeswamy**, Sergio Ribeiro Teixeirac, R. Geetha Balakrishna, Materials Research Bulletin, 104 (2018) 212–219
2. The heterojunction effect of Pd on TiO₂ for visible light photocatalytic hydrogen generation via water splitting reaction and photodecolorization of trypan blue dye, T. N. Ravishankar, Mauricio de O. Vaz, **T. Ramakrishnappa**, Sergio R. Teixeira, J. Dupont, Ranjith Krishna Pai, Journal of Materials Science: Materials in Electronics, 29, 13 (2018)11132–11143.
3. Cytotoxicity, antibacterial and antifungal activities of ZnO nanoparticles prepared by Artocarpus gomezianus fruit mediated facile green combustion method, R. Anitha, KV Ramesh, T N Ravishankar, K H Sudheer Kumar, **T. Ramakrishnappa**, Journal of Science: Advanced Materials and Devices 3 (2018) 440-451

Dr. Bincy Rose Vergis

1. Removal of malachite green from aqueous solution by magnetic CuFe₂O₄ nano-adsorbent synthesized by one pot solution combustion method, **Bincy Rose Vergis**, R. Hari Krishna, Nagaraju Kottam, B. M. Nagabhushana, R. Sharath and B. Darukaprasad, Journal of Nanostructure in Chemistry, 2018, 8, (2017)1–12.
2. An Excellent Photocatalytic Efficiency of ZnO under Visible Light for fast Removal of Organic Pollutant from aqueous solution, Nagaraju Kottam, **Bincy Rose Vergis**, B.M. Nagabhushana, Materials Today: Proceedings 5 (2018) 20849–20857

Book chapter:

1 Spinel Ferrites-A Future Boon to Nanotechnology Based Therapies, Muktha H, Nagaraju Kottam, Sharath R., Samrat K., Chandraprabha M. N, Harikrishna R, and **Bincy Rose Vergis**, in Nanomaterials: Physical, Chemical, and Biological Applications. Hard ISBN: 9781771884617, E-Book ISBN: 9781771884624. Apple Academic press.

Dr. Sudheer Kumar K H

1. Cytotoxicity, antibacterial and antifungal activities of ZnO nanoparticles prepared by Artocarpus gomezianus fruit mediated facile green combustion method, R. Anitha, KV Ramesh, T N Ravishankar, **K H Sudheer Kumar**, T. Ramakrishnappa, Journal of Science: Advanced Materials and Devices 3 (2018) 440-451

Mrs. Swetha G A

1. "Corrosion Inhibition of Mild Steel by Capacitabine in Hydrochloric Acid Medium", A.M. Guruprasad, H.P. Sachin, and **G.A. Swetha**, ASIAN JOURNAL OF CHEMISTRY, 30,(2018) 1629-1633
2. Use of Seroquel as an effective corrosion inhibitor for low carbon steel in 1M HCl, **G A Swetha**, H P Sachin, A M Guruprasad, B M Prasanna & K H Sudheer Kumar, J Bio Tribo Corrosion, 4 (2018)1-11
3. Adsorption and inhibitive properties of Seroquel drug for the corrosion of zinc in 0.1 M hydrochloric acid solution, A. M. Guru Prasad, H. P. Sachin, **G. A. Swetha**, B. M. Prasanna, International Journal of Industrial Chemistry, <https://doi.org/10.1007/s40090-018-0168-x>