



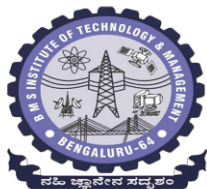
BMS INSTITUTE OF TECHNOLOGY & MANAGEMENT (Autonomous Under VTU)

DEPARTMENT OF CHEMISTRY

Publications Details

Dr. T Ramakrishnappa

1. Solvothermal decoration of Cu₃SnS₄ on reduced graphene oxide for enhanced electrocatalytic hydrogen evolution reaction, Environmental Progress & Sustainable Energy, 2021, 40, 13558.
2. Electrical property of zirconium oxide nanoparticle synthesized by hydrothermal method, Materials Today: Proceedings, 2021.
3. Resistivity of zirconium oxide nanoparticles synthesized by solution combustion method using rubber latex fuel, Materials Today: Proceedings, 2021.
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10. Copper oxide impregnated glassy carbon spheres based electrochemical interface for nitrite/nitrate sensing, T. Ramakrishnappa, K. Suresh Kumar, M. Pandurangappa, Materials Chemistry and Physics, 245, 2020, 122744.
11. Synthesis of Nano ZnO: A Catalyst for N-formylation of Aromatic Amines and Biodiesel Application, L.S. Reddy Yadav, Venkatesh R, Raghavendra M, Ramakrishnappa T, Current Nanomaterials, 5, 2020, 66-78.
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14. Piperazine appended naphthalimide scaffold as turn on fluorescent probe for hydrogen sulfide, K. Suresh Kumar, Ramakrishnappa T, Micro chemical Journal, 157, 2020, 105019
15. A novel mixed matrix membrane of phenolphthalein hydrazide and polysulfone for the detection of copper ions in environmental water samples, K. Suresh Kumar, Ramakrishnappa T, Environmental Progress & Sustainable Energy, 38, 2019, 13167.



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16. 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 Nanjundaiaha,, Ramakrishnappa Thippeswamy, Sergio Ribeiro Teixeira, R. Geetha Balakrishna, Materials Research Bulletin, 104 (2018) 212–219
17. 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.
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Dr. Sudheer Kumar K H

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Mrs. Swetha G A

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Dr. Jyoti Roy Choudhuri

1. Zero dimensional iodobismuthate: Synthesis and optical property, Materials Today: Proceedings,2021.
2. Zero-dimensional bromobismuthate: Synthesis and characterization, Materials Today: Proceedings,2021.
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Dr. Jyothi C Abbar

1. Nanostructured Au-graphene modified electrode for electroensing of chlorzoxazone and its biomedical applications, Materials Chemistry and Physics 266 2021 124538.
2. Sensitive and selective voltammetric oxidation and determination of an antiemetic drug using gold electrode and its biomedical applications, J C Abbar, MD Meti, ST Nandibewoor, Surfaces and Interfaces 19 2020 100484.

Dr. Suresh Kumar K

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2. Stress Corrosion Studies of AL 2014 alloy using synthesized pyrimidin derivative inhibitor in Different Concentration of HCl solution, Materials Today: Proceedings,2021.
3. Rhodamine B phenylhydrazide as a new chemosensor for sulfite quantification: Application to food samples, Materials Today: Proceedings,2021.
4. Electrochemical behavior of heat treated AL 2014 alloy using Azithromycin compound in 3.5% NaCl solution, Materials Today: Proceedings,2021.
5. A near infrared fluorescent probe for naked eye visualization and selective detection of hydrogen sulfide, Materials Today: Proceedings,2021.
6. Study of Advances in Carbon Composites as Electrodes for Supercapacitors, Materials Today: Proceedings,2021.
7. A rhodamine based dual chemosensor : Colorimetric recognition of Zn²⁺ and fluorimetric recognition of Sn⁴⁺, Materials Today: Proceedings,2021.
8. Combustion synthesis of metal oxide nanoparticles: An efficient route to produce nano materials for diverse applications, Materials Today: Proceedings,2021.
9. Mercury speciation at trace level using fluorescien hydride as fluorescent probe, Materials Today: Proceedings,2021.
10. Green synthesized uncapped Ag colloidal nano particles for selective colorimetric sensing of divalent Hg and H₂O₂, Journal of Environmental Chemical Engineering,2021,105365.



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11. Copper oxide impregnated glassy carbon spheres based electrochemical interface for nitrite/nitrate sensing, **T. Ramakrishnappa, K. Suresh Kumar, M. Pandurangappa**, Materials Chemistry and Physics, 245, 2020, 122744.
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13. A novel mixed matrix membrane of phenolphthalein hydrazide and polysulfone for the detection of copper ions in environmental water samples, **K. Suresh Kumar, Ramakrishnappa T**, Environmental Progress & Sustainable Energy, 38, 2019,13167.