



DAYANANDA SAGAR ACADEMY OF TECHNOLOGY & MANAGEMENT
Udayapura, Opp. Art of Living, Kanakapura Main Road, Bengaluru- 560082

Department of Chemistry

INTERNATIONAL JOURNALS:

2021-2022

1. Numerical investigations of response surface methodology for organic dye adsorption onto Mg-Al LDH -GO Nano Hybrid: An optimization, kinetics and isothermal studies. S.Archana B.K.Jayanna A.Ananda M.S.Ananth Atif Mossad Alie H.B.Muralidhara. YogeshKumara

2020-2021

1. Green synthesis of MgO nanoparticles using Phyllanthus emblica for Evans blue degradation and antibacterial activity A.Ananda T.Ramakrishnappa S.Archana L.S.Reddy Yadav B.M.Shilpa G.Nagaraju B.K.Jayanna
2. Synthesis of nickel oxide grafted graphene oxide nanocomposites - A systematic research on chemisorption of heavy metal ions and its antibacterial activity S. Archana , B.K. Jayanna , A. Ananda , Shilpa B.M , D. Pandiarajan , H.B. Muralidhara , , K. Yogesh Kumar

INTERNATIONAL JOURNALS:

II. 2018-19

1. Studies on spinel cobaltites, MCo_2O_4 (M = Mn, Zn, Fe, Ni and Co) and their Functional properties Devendrasinh Darbar^{abc} M.R. Anilkumar^d Vijayaraghavan Rajagopalan^b Indranil Bhattacharya^c Hendry Isaac Elim^e T. Ramakrishnappa^f F.I. Eze^g Rajan Jose^h M.V. Reddy^{ai} <https://doi.org/10.1016/j.ceramint.2017.12.010>
2. Biomolecules-embedded Metal organic framework as an innovative sensing platform Sureshkumar Kempahanumakkagari, VanishKumar, PallabiSamaddar, PawanKumar, ThippeswamyRamakrishnappa, Ki-HyunKim <https://doi.org/10.1016/j.biotechadv.2018.01.014>
3. Versatile Graphene oxide decorated by star shaped Zinc oxide nanocomposites with superior adsorption capacity and antimicrobial activity S.Archana^a K.YogeshKumar^a B.K.Jayanna^b SharonOlivera^c A.Anand^d M.K.Prashanth^b H.B.Muralidhara^c <https://doi.org/10.1016/j.jsamd.2018.02.002>
4. Methoxymethylation of Substituted Alcohols by Using Dimethoxymethane over Mo(VI)/ZrO₂ m. shyamsundar, s.z. mohamed shamshuddin, a. ananda, s.r. Pratap http://www.asianjournalofchemistry.co.in/user/ViewFreeArticle.aspx?ArticleID=30_3_37

III. 2017-2018

International Journals:

1. Covalently Anchored p-Aminobenzenesulfonate Multilayer on a Graphite Pencil Lead Electrode: A Highly Selective Electrochemical Sensor for Dopamine

Samrat Devaramani, Muralikrishna Sreeramareddygari, M. Radhakrishna Reddy, T.Ramakrishnappa
<https://doi.org/10.1002/elan.201600627>

2. Magnetic (MnFe)₂O₃@Ta₂O₅ core-shells and its remarkable changes in photocatalytic hydrogen production
Krishnappa Manjunath, Virgínia S. Souza, Nagaraju Ganganagappa, Jackson D. Scholten, Sérgio R. Teixeira, Jairton Dupont, Ramakrishnappa.T
<https://doi.org/10.1039/C6NJ03137D>
3. Progressive addition of GO to TiO₂ nanofibers for remarkable changes in photochemical hydrogen production
Kristappagari Manjunath, L. S. Reddy Yadav, G. Nagaraju, Jairton Dupont, T. Ramakrishnappa
<https://doi.org/10.1007/s11581-017-1977-1>
4. Hydrogels of polyaniline with graphene oxide for highly sensitive electrochemical determination of lead ions
S.Muralikrishna, D.H.Nagaraju, R. GeethaBalakrishna, WerasakSurareungchai, T.Ramakrishnappa, Avinash B.Shivanandareddy
<https://doi.org/10.1016/j.aca.2017.09.008>
5. Ionic liquid assisted hydrothermal syntheses of Au doped TiO₂ NPs for efficient visible-light photocatalytic hydrogen production from water, electrochemical detection and photochemical detoxification of hexavalent chromium (Cr⁶⁺)
T. N. Ravishankar, Mauricio de O. Vaz, T. Ramakrishnappa, Sergio R. Teixeira, J. Dupont
<https://doi.org/10.1039/C7RA04944G>

2016 – 2017

International Journals:

- 1) Enhanced photocatalytic hydrogen production from Y₂O₃/TiO₂ nano-composites: A comparative study on hydrothermal synthesis with and without ionic liquid
T. N. Ravishankar, M. de Oliveira Vaz, S. Khan, T. Ramakrishnappa, S. R. Teixeira, Geetha R. Balakrishna, G. Nagaraju, J. Dupont
<https://doi.org/10.1039/C5NJ03711E>
- 2) oxide-Cu(II) composite electrode for non-enzymatic determination of hydrogen peroxide

S.Muralikrishna, SarawutCheunkar, Benchaporn Lertanantawong,
T.Ramakrishnappa, D.H.Nagaraju, Werasak Surareungchai, R.
GeethaBalakrishna, K. RamakrishnaReddy
<https://doi.org/10.1016/j.jelechem.2016.06.034>

3) Heterojunction CuO-TiO₂ nanocomposite synthesis for significant photocatalytic hydrogen production
K Manjunath, V S Souza, T Ramakrishnappa, G Nagaraju, J D Scholten, J Dupont
<https://iopscience.iop.org/article/10.1088/2053-1591/3/11/115904>

4) Electrochemical Determination of Chemical Oxygen Demand Using Ti/TiO₂ Electrode
Yongxian Ge , Yufang Zhai , Dun Niu, Yuhong Wang, Carlos Fernandez, T.Ramakrishnappa , Xiaomin Hu , Linshan Wang,
<http://www.electrochemsci.org/papers/vol11/111209812.pdf>

5) Non-noble metal graphene oxide-copper (II) ions hybrid electrodes for electrocatalytic hydrogen evolution reaction
S. Muralikrishna, T.N. Ravishankar, T. Ramakrishnappa , D.H. Nagaraju , Ranjith Krishna Pai
<https://doi.org/10.1002/ep.12238>

6) Ag doped titanium dioxide nano composite-modified glassy carbon electrode as electrochemical interface for catechol sensing
T. N. Ravishankar, K. Suresh Kumar, S. R. Teixeira, C. Fernandez, T. Ramakrishnappa
<https://doi.org/10.1002/elan.201500238>

7) Development of Multipurpose CuO–GO Nanocomposites for Heavy Metals Adsorption and Super Capacitor Applications
S. Archana, K. Yogesh Kumar, Sharon Olivera, B. K. Jayanna, H. B. Muralidhara, A. Ananda, C. C. Vidyasagar
<https://doi.org/10.1166/eef.2016.1225>

2015-2016

International Journals:

1. Neodymium doped titania as photoanode and graphene oxide–CuS composite as counter electrode material in quantum dot solar cell
Laveena P. D'Souza , S. Muralikrishna , Hunsur R. Chandan , T. Ramakrishnappa, R. Geetha Balakrishna

<https://doi.org/10.1557/jmr.2015.314>

2. Pharmaceutical electrochemistry: The electrochemical oxidation of paracetamol and its voltammetric sensing in biological samples based on screen printed graphene electrodes
Fernandez. C, Heger. Z, Kizek.R, Ramakrishnappa.T, Borun. A, Faisal.NH
<https://www.ceitec.eu/pharmaceutical-electrochemistry-the-electrochemical-oxidation-of-paracetamol-and-its-voltammetric-sensing-in-biological-samples-based-on-screen-printed-graphene-electrodes/p114498>

3. Ionic liquid-assisted hydrothermal synthesis of TiO₂ nanoparticles and its applications towards the photocatalytic activity and electrochemical sensor
T.N. Ravishankar,K. Sureshkumar,J. Dupont,T. Ramakrishnappa , G. Nagaraju
<https://doi.org/10.1080/17458080.2015.1014870>