

## Dr. K. Nehru

Assistant Professor

Department of Chemistry

BIT Campus, Anna University

Tiruchirappalli 620 024; INDIA

HP: +91-94873-66871

Email: [knehr@yahoo.com](mailto:knehr@yahoo.com)

## List of Publication

1. Ravi, P.V; Thangadurai, D.T.; **Nehru, K.**; Lee, Y.I.; Nataraj, D.; Thomas, S.; Kalarikkal, N.; Jose, J. Surface and morphology analyses, and voltammetry studies for electrochemical determination of cerium (iii) using a graphene nanobud-modified-carbon felt electrode in acidic buffer solution (pH  $4.0 \pm 0.05$ ), *RSC Advances* **2020** 10(61), 37409-37418.
2. Sephra, P.J.; Baraneedharan, P.; Sivakumar, M.; Thangadurai, D. T.; **Nehru, K.** Ionic liquid functionalized manganese oxide on solar exfoliated graphene as supercapacitor electrode, *Nano-Structures & Nano-Objects* **2019** 19, 100360.
3. Sephra, P.J.; Baraneedharan, P.; Siva C.; Sivakumar, M.; Thangadurai, D. T.; **Nehru, K.** CuO/SiO<sub>2</sub> modified amine functionalized reduced graphene oxide with enhanced photocatalytic and electrochemical properties, *SN Applied Sciences* **2019** 1 (1), 73.
4. Manjubaashini, N.; Percy J. Sephra, P.J.; **Nehru, K.**; Sivakumar, M.; Thangadurai, D. T. Electrochemical determination of ATP at rhodamine6G capped gold nanoparticles modified carbon felt electrode at pH 7.2, *Sensors and Actuators B: Chemical*, **2019**, 281, 1054-1062.
5. Vijayabala, V.; Senthilkumar, N.; **Nehru, K.**; Karvembu, R. Hydrothermal synthesis and characterization of ruthenium oxide nanosheets using polymer additive for supercapacitor applications, *J. Mat. Sci.: Materials in Electronics* **2018**, 29 (1), 323-330.
6. Sephra, P.J.; Baraneedharan, P.; Siva C.; Sivakumar, M.; Thangadurai, D. T.; **Nehru, K.** Size controlled synthesis of SnO<sub>2</sub> and its electrostatic self-assembly over reduced graphene oxide for Photocatalyst and Supercapacitor application, *Materials Research Bulletin* **2018**, 103-112.
7. Sephra, P.J.; Baraneedharan, P.; Siva C.; Sivakumar, M.; **Nehru, K.** Microwave assisted synthesis of Sn<sub>(1-x)</sub>Co<sub>x</sub>O<sub>2</sub> nanoparticles: effect of impurity phase formation on structural, optical and electrochemical properties, *J. Mat. Sci.: Materials in Electronics* **2016**, 27 (11), 11401–11409.
8. Siva, C.; Baraneedharan, P.; **Nehru, K.**; Sivakumar, M. ZnO/Ag heterostructures embedded in Fe<sub>3</sub>O<sub>4</sub> nanoparticles for magnetically recoverable photocatalysis, *J. Alloys and Compounds* **2015**, 665, 404-410.
9. Thirupugalmani, K.; Karthick, S.; Shanmugam, G.; Kannan, V.; Sridhar, B.; **Nehru, K.**; Brahadeeswaran, S. Second-and third-order nonlinear optical and quantum chemical studies on 2-amino-4-picolinium-nitrophenolate-nitrophenol: A phase matchable organic single crystal, *Optical Materials* **2015**, 49, 158-170.