## Dr. A. Muthukrishnaraj

Assistant Professor
Department of Chemistry
SRM University, Remapuram Campus
Chennai
Email: muthukrishnaraj@gmail.com


### List of Publications in the last 5 years


**1. A.Muthukrishnaraj**, S.S.Kalaivani,A.Manikandan,Helen P.Kavitha, R.Srinivasan, N.Balasubramanian, 2020, Sonochemical synthesis and visible light induced photocatalytic property of reduced graphene oxide@ZnO hexagonal hollow rod nanocomposites, Journal of Alloys and Compounds, Volume 836,155377.

**2. A.Muthukrishnaraj,** A.Arun, S.S.Kalaivani, T.Maiyalagan, A.Manikandan, N.Balasubramanian, 2020, Solvothermal synthesis and characterizations of graphene-ZnBi12O20 nanocomposites for visible-light driven photocatalytic applications, Ceramics International, https://doi.org/10.1016/j.ceramint.2020.04.159.

**3. Muthukrishnaraj,** S. Vadivel, I Made Joni, N. Balasubramanian, 2015, Development of reduced graphene oxide / CuBi2O4 hybrid for enhanced photocatalytic behavior under visible light irradiation, Ceramic International journal, vol.41, pp. 6164–6168.

**4. Muthukrishnaraj**, **A,** Manokaran, J, Vanitha, M, Thiruvengadaravi, KV, Baskaralingam, P & Balasubramanian, N 2015, Equilibrium, kinetic and thermodynamic studies for the removal of Zn(II) andNi(II) ions using magnetically recoverable graphene/Fe3O4 composite Desalination and Water Treatment, vol.56, pp.1-17.

**5. Muthukrishnaraj, A,** Vadivel, S, Kamalakannan, VP & Balasubramanian, N 2015, 'α-Fe2O3/reduced graphene oxide nanorod as efficient photocatalyst for methylene blue degradation', Materials Research Innovations, vol.19, 258-264.

**6.** S. S. Kalaivani, **A.Muthukrishnaraj,** L. Ravikumar & S. Sivanesan, Novel Hyper Branched Polyurethane Resins for the Removal of Heavy Metal Ions from Aqueous Solution, Process Safety and Environmental Protection, 104 (2016) 11-23.

**7.** Manoharan, J, Muruganamtham, R, **Muthukrishnaraj, A** & Balasubramanian, N 2015, Platinum- polydopamine @SiO2 nanocomposite modified electrode for the electrochemical determination of quercetin, Electrochemica Acta, 168, 16-24.