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### **List of Publication**

1. Srinidhi, G, Sudalaimani, S, Giribabu, K, **Sardhar Basha, SJ** and Suresh, C 2020 'Amperometric determination of hydrazine using a CuS-ordered mesoporous carbon electrode'. Microchimica Acta ,vol.187, pp.1-10.
2. Saravanakumar, T, Selvaraju, T, Bhojanaa,KB, Ramesh, M, Pandikumar,A Akilan,R, Shankar,R and **Sardhar Basha SJ** 2020, 'Exploring the synergistic effect of Ni x Sn 2x S 4x thiospinel with MWCNTs for enhanced performance in dye-sensitized solar cells, the hydrogen evolution reaction, and supercapacitors'. Dalton Transactions ,vol.49, pp.5336-5351.
3. Mahesh, M, Sridevi, C, **Sardhar Basha, J**, Swarnalatha, S, Sekaran, Ganesan 2020, 'Bio Catalytic oxidation of sulphide laden wastewater from leather industry using Sulfide: Quinone oxidoreductase immobilized Bioreactor'Biocatalysis and Biotransformation, vol.38, pp.123-137.
4. Sureshkumar, K, Shanthi, K, Sasirekha,NR, Jegan,J, **Sardhar Basha,SJ** 2020, A study on catalytic activity of modified Ni-Re/Al-SBA-15 catalyst for hydrodenitrogenation of o-toluidine', International Journal of Hydrogen Energy , vol.45, pp.4328-4340.
5. Sureshkumar, K, Shanthi, K, Sasirekha,NR, Jegan,J, **Sardhar Basha,SJ**2020, 'A detailed investigation on rhenium loaded SBA-15 supported catalyst for hydrodenitrogenation reaction of cyclohexylamine, Journal of Porous Materials vol.27, pp.83-93

6. K.Sureshkumar, K.Shanthi, N.RSasirekha, J, Jegan, **S.J.Sardhar Basha**, 'Enhanced catalytic activity of Ni-Re/H- AlMCM-41 catalyst via surface modification for hydrodenitrogenation of o-toluidine', Materials Research Express, vol.5, 2018, pp.065516-065526.
7. J.Jegan, J.Vijayaraghavan, T.Bhagavathi Pushpa, **S.J.Sardhar Basha**, 'Application of seaweeds for the removal of cationic dye from aqueous solution', Desalination and water treatment, vol.57(53), 2016, pp-25812-25821.
8. T.Bhagavathi Pushpa, V.Sekaran, **S.J.Sardhar Basha**, J.Jegan, "Investigation on Preparation, Characterization and Application of *EM* based Composts – An Ecofriendly solution", Nature Environment and Pollution Technology, Vol. 15(1), 2016.
9. T.Bhagavathi Pushpa, J.Vijayaraghavan, **S.J.Sardhar Basha**, V.Sekaran, J.Jegan, "Investigation on removal of Malachite green using *EM* based compost as adsorbent", Ecotoxicology and Environmental Safety, Vol. 118, 2015, pp. 177-182.
10. J.Vijayaraghavan, T.Bhagavathi Pushpa, **S.J.Sardhar Basha**, J.Jegan, "Isotherm, kinetics, and mechanistic studies of methylene blue biosorption red seaweed *Gracilaria Corticata*," Desalination and water treatment, vol.57(29), 2015, p.13540-13548.
11. T.Bhagavathi Pushpa, J.Vijayaraghavan, **S.J.Sardhar Basha**, V.Sekaran, J.Jegan, "Experimental study on *EM* based Leaf waste Compost onto Malachite Green Removal", International Journal of Applied Engineering Research, Vol. 10(3), 2015, pp-6547-6556.
12. J.Vijayaraghavan, T.Bhagavathi Pushpa, **S.J.Sardhar Basha**, K.Vijayaraghavan, J.Jegan, "Evaluation of red marine alga *Kappaphycus alvarezii* as biosorbent for methylene blue: isotherm, kinetic and mechanism studies", Separation Science and Technology, Vol. 50, 2015, pp. 1120-1126.