

### List of Publication's – 2016

- 1) **Prabakaran, M., Kim, S.-H., Hemapriya, V., Chung, I.-M.**  
Evaluation of polyphenol composition and anti-corrosion properties of *Cryptostegia grandiflora* plant extract on mild steel in acidic medium  
(2016) Journal of Industrial and Engineering Chemistry, 37, pp. 47-56. DOI: 10.1016/j.jiec.2016.03.006
- 2) **Saranya, J., Sowmiya, M., Sounthari, P., Parameswari, K., Chitra, S., Senthilkumar, K.**  
N-heterocycles as corrosion inhibitors for mild steel in acid medium  
(2016) Journal of Molecular Liquids, 216, pp. 42-52. DOI: 10.1016/j.molliq.2015.12.096
- 3) **Saranya, J., Sounthari, P., Parameswari, K., Chitra, S.**  
Acenaphtho[1,2-b]quinoxaline and acenaphtho[1,2-b]pyrazine as corrosion inhibitors for mild steel in acid medium  
(2016) Measurement: Journal of the International Measurement Confederation, 77, pp. 175-185. DOI: 10.1016/j.measurement.2015.09.008
- 4) **Hemapriya, V., Prabakaran, M., Parameswari, K., Chitra, S., Kim, S.-H., Chung, I.-M.**  
Dry and wet lab analysis on benzofused heterocyclic compounds as effective corrosion inhibitors for mild steel in acidic medium  
(2016) Journal of Industrial and Engineering Chemistry, 40, pp. 106-117. DOI: 10.1016/j.jiec.2016.06.013
- 5) **Sugumaran, S., Noor Bin Ahmad, M., Faizal Jamlos, M., Bellan, C.S., Chandran, S., Sivaraj, M.**  
New possibility on InZnO nano thin film for green emissive optoelectronic devices  
(2016) Optical Materials, 54, pp. 67-73. DOI: 10.1016/j.optmat.2016.02.007
- 6) **Mohanraj, V., Jayaprakash, R., Robert, R., Balavijayalakshmi, J., Gopi, S.**  
Effect of particle size on optical and electrical properties in mixed CdS and NiS nanoparticles synthesis by ultrasonic wave irradiation method  
(2016) Materials Science in Semiconductor Processing, 56, pp. 394-402. DOI: 10.1016/j.mssp.2016.08.014
- 7) **Chandran, S., Ravichandran, V., Chandran, S., Chemmanda, J., Chandarshekar, B.**  
Biosynthesis of PVA encapsulated silver nanoparticles  
(2016) Journal of Applied Research and Technology, 14 (5), pp. 319-324. DOI: 10.1016/j.jart.2016.07.001

**8) Balavijayalakshmi, J., Manju, S.**

Investigation of structural, optical and morphological properties of copper doped zinc sulphide nanoparticles

(2016) Materials Science in Semiconductor Processing, 48, pp. 101-105. DOI: 10.1016/j.mssp.2016.03.019

**9) Eswaramoorthi, V., Jagadeesan, S., Palanisamy, S., Kandhasamy, P., Chitra, S.**

Soya bean oil based polyurethanes for corrosion inhibition of mild steel in acid medium

(2016) Journal of Adhesion Science and Technology, 30 (5), pp. 468-493. DOI: 10.1080/01694243.2015.1108951

**10) Manikandan, R., Ezhili, N., Venkatachalam, P.**

Phosphorus Supplementation Alleviation of the Cadmium-Induced Toxicity by Modulating Oxidative Stress Mechanisms in Vetiver Grass [ *Chrysopogon zizanioides* (L.) Roberty ]

(2016) Journal of Environmental Engineering (United States), 142 (9), art. no. C4016003, DOI: 10.1061 / (ASCE)EE.1943-7870.0001112

**11) Andal, N.M., Charulatha, S., Gayathri, N.S.**

Biosorption of divalent ion onto treated prosopis juliflora bark from aqueous solutions: Isothermal and Statistical Analysis

(2016) Oriental Journal of Chemistry, 32 (2), pp. 1129-1137. DOI: 10.13005 /ojc/320238

**12) Padmadevi, S.N., Bai, R.S.M., William, S.P.M.P., Sunithakumari, K.**

Organic cultivation of medicinal plants: Influence of composted coir pith on the growth and yield of *Coleus forskohlii* (willd.) Briq

(2016) Compost Science and Utilization, 24 (4), pp. 266-272. DOI: 10.1080/1065657X.2015.1013583