

## List of Publication's – 2016

- 1) **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 Document Type: Article Source: Scopus
- 2) **Jone Kirubavathy, S., Velmurugan, R., Karvembu, R., Bhuvanesh, N.S.P., Enoch, I.V.M.V., Mosae Selvakumar, P., Chitra, S**  
Co(II) complex of 2-amino-6-methylbenzothiazole: Synthesis, structure and biological evaluation  
(2016) Indian Journal of Chemistry - Section A Inorganic, Physical, Theoretical and Analytical Chemistry, 55A (11), pp. 1297-1304. Document Type: Article Source: Scopus
- 3) **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 Document Type: Article Access Type: Open Access Source: Scopus
- 4) **Arthi, G., Lee, T.H., Park, J.H., Jung, H.Y.**  
Non-fragile observer-based passive control for discrete-time systems with repeated scalar nonlinearities  
(2016) IMA Journal of Mathematical Control and Information, 33 (3), pp. 893-910. DOI: 10.1093/imamci/dnv013 Document Type: Article Source: Scopus
- 5) **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 Document Type: Article Source: Scopus
- 6) **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 Document Type: Article Source: Scopus

**7) 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 Document Type: Article Source: Scopus

**8) Devi, S.N.P., kumari, K.S., Vasandha, S.**

Assessment of competence of the *Pseudomonas aeruginosa* to solubilize insoluble form of zinc under various cultural parameters

(2016) Arabian Journal for Science and Engineering, 41 (6), pp. 2117-2121. DOI: 10.1007/s13369-015-1907-3 Document Type: Article Source: Scopus

**9) 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 Document Type: Article Source: Scopus

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

Biosorption of divalent ion onto treated *Prosopis juliflora* bark from aqueous solutions: Isothermal and

(2016) Oriental Journal of Chemistry, 32 (2), pp. 1129-1137. DOI: 10.13005/ojc/320238 Document Type: Article Access Type: Open Access Source: Scopus

**11) 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 Document Type: Article Source: Scopus

**12) Prabakaran, M., Kim, S.-H., Hemapriya, V., Chung, I.-M.**

*Tragia plukenetii* extract as an eco-friendly inhibitor for mild steel corrosion in HCl 1 M acidic medium

(2016) Research on Chemical Intermediates, 42 (4), pp. 3703-3719 DOI: 10.1007/s11164-015-2240-x Document Type: Article Source: Scopus

**13) 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 Document Type: Article Source: Scopus

**14) Prabakaran, M., Kim, S.-H., Kalaiselvi, K., Hemapriya, V., Chung, I.-M.**

Highly efficient *Ligularia fischeri* green extract for the protection against corrosion of mild steel in acidic medium: Electrochemical and spectroscopic investigations

(2016) Journal of the Taiwan Institute of Chemical Engineers, 59, pp. 553-562. DOI: 10.1016/j.jtice.2015.08.023 Document Type: Article Source: Scopus

**15) Manikandan, R., Ezhili, N., Muthulakshmiandal, N., Favas, P.J.C., Venkatachalam, P.**  
Assessment of physicochemical characteristics and the level of nutrient contents as well as heavy metal ions in waters of three lakes at Coimbatore, Tamil Nadu, India

(2016) Journal of Materials and Environmental Science, 7 (7), pp. 2259-2266. Document Type: Article Source: Scopus

**16) Sathyavikasini, K., Vijaya, M.S.**

Identification of rare genetic disorder from single nucleotide variants using supervised learning technique

(2016) International Journal of Control Theory and Applications, 9 (34), pp. 475-488. Document Type: Article Source: Scopus

**17) Sunithakumari, K., Padma Devi, S.N., Vasandha, S.**

Zinc solubilizing bacterial isolates from the agricultural fields of Coimbatore, Tamil Nadu, India

(2016) Current Science, 110 (2), pp. 196-205. DOI: 10.18520/cs/v110/i2/196-205 Document Type: Article Source: Scopus

**18) Sophia Reena, G., Nedunchezian, R.**

Robust model to improve the energy efficiency in IEEE 802.15.4 sensor network

(2016) International Journal of Control Theory and Applications, 9 (26), pp. 129-136. Document Type: Article Source: Scopus

**19) Karpagavalli, S., Chandra, E.**

Stop Consonant-Short Vowel (SCSV) classification for Tamil speech utterances

(2016) International Review on Computers and Software, 11 (2), pp. 151-159. DOI: 10.15866/irecos.v11i2.8481 Document Type: Article Source: Scopus

**20) 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 Document Type: Article Source: Scopus

**21) 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 Document Type: Article Source: Scopus

**22) Arthi, G., Park, J.H., Jung, H.Y.**

Existence and exponential stability for neutral stochastic integrodifferential equations with impulses driven by a fractional Brownian motion

(2016) Communications in Nonlinear Science and Numerical Simulation, 32, pp. 145-157.

DOI: 10.1016/j.cnsns.2015.08.014 Document Type: Article Source: Scopus

**23) Amsaveni, R., Nedunchezian, R.**

A survey on web video classification based on descriptor

(2016) International Journal of Control Theory and Applications, 9 (26), pp. 137-143.

Document Type: Article Source: Scopus

**24) 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 Document Type: Article Source: Scopus

**25) Prabakaran, M., Kim, S.-H., Hemapriya, V., Gopiraman, M., Kim, I.S., Chung, I.-M.**

*Rhus verniciflua* as a green corrosion inhibitor for mild steel in 1 M H<sub>2</sub>SO<sub>4</sub>

(2016) RSC Advances, 6 (62), pp. 57144-57153. DOI: 10.1039/c6ra09637a

Document Type: Article Source: Scopus

**26) Ansari, K.R., Quraishi, M.A., Singh, A., Ramkumar, S., Obote, I.B.**

Corrosion inhibition of N80 steel in 15% HCl by pyrazolone derivatives: Electrochemical, surface and quantum chemical studies

(2016) RSC Advances, 6 (29), pp. 24130-24141. DOI: 10.1039/c5ra25441h

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