

List of Publication's – 2017

- 1) **Nirmala Devi, G., Chitra, S., Selvasekarapandian, S., Premalatha, M., Monisha, S., Saranya, J.**

Synthesis and characterization of dextrin-based polymer electrolytes for potential applications in energy storage devices

(2017) Ionics, 23 (12), pp. 3377-3388. DOI: 10.1007/s11581-017-2135-5 Document Type:

Article Source: Scopus

- 2) **Jone Kirubavathy, S., Chitra, S.**

Structural, theoretical investigations and biological evaluation of Cu(II), Ni(II) and Co(II) complexes of mercapto-pyrimidine schiff bases

(2017) Journal of Molecular Structure, 1147, pp. 797-809. DOI: 10.1016/j.molstruc. 2017.

07.019 Document Type: Article Source: Scopus

- 3) **Jone Kirubavathy, S., Saranya, J., Sathya, N., Enoch, I.V.M.V., Mosae Selvakumar, P., Chitra, S.**

Synthesis, characterization and biological evaluation of Ru(III) mercaptopyrimidine Schiff base complexes

(2017) Applied Organometallic Chemistry, 31 (11), art. no. e3760, DOI: 10.1002 / aoc.3760

Document Type: Article Source: Scopus

- 4) **Balavijayalakshmi, J., Ramalakshmi, V.**

Carica papaya peel mediated synthesis of silver nanoparticles and its antibacterial activity against human pathogens

(2017) Journal of Applied Research and Technology, 15 (5), pp. 413-422. DOI: 10.1016/

j.jart.2017 .03. 010 Document Type: Article Access Type: Open Access Source: Scopus

- 5) **Prabakaran, M., Kim, S.-H., Mugila, N., Hemapriya, V., Parameswari, K., Chitra, S., Chung, I.-M.**

Aster koraiensis as nontoxic corrosion inhibitor for mild steel in sulfuric acid

(2017) Journal of Industrial and Engineering Chemistry, 52, pp. 235-242 DOI: 10.1016/

j.jiec.2017. 03.052 Document Type: Article Source: Scopus

- 6) **Priyadharsini, N., Selvan, R.K.**

Nano-sheet-like KNiPO₄ as a positive electrode material for aqueous hybrid supercapacitors

(2017) Electrochimica Acta, 246, pp. 963-970. DOI: 10.1016/j.electacta.2017.06.100

Document Type: Article Source: Scopus

- 7) **Devi, G.N., Saranya, J., Manjubaashini, N., Thangadurai, T.D., Roopan, S.M., Chitra, S.**
[Polyamidoaminoepichlorohydrin resin a novel synthetic anti-corrosive water soluble polymer for mild steel](#)
(2017) Progress in Organic Coatings, 109, pp. 117-125. DOI: 10.1016/j.porgcoat. 2017. 04.034 Document Type: Article Source: Scopus
- 8) **Kanchana, P., Packiaraj, S., Pushpaveni, A., Govindarajan, S.**
[Isolation, spectroscopic and thermal properties of hydrazinium tris\(oxydiacetato\) lanthanate\(III\) hemi\(pentahydrate\): Crystal structure of the neodymium complex](#)
(2017) Journal of Thermal Analysis and Calorimetry, 129 (1), pp. 3-14. DOI: 10.1007/s 10973-017-6162-2 Document Type: Review Source: Scopus
- 9) **Janet, C.A.P., Lavanya, M., Rajesh, K.B., Udhayakumar, M., Jaroszewicz, Z., Velauthapillai, D.**
[Tight Focusing Properties of Azimuthally Polarized Pair of Vortex Beams through a Dielectric Interface](#)
(2017) Chinese Physics Letters, 34 (7), art. no. 074209, . DOI: 10.1088/0256-307X/34/7 / 074209 Document Type: Article Source: Scopus
- 10) **Thangamani, K.S., Muthulakshmi Andal, N., Ranjith Kumar, E., Saravanabhavan, M.**
[Utilization of magnetic nano cobalt ferrite doped Capra aegagrus hircus dung activated carbon composite for the adsorption of anionic dyes](#)
(2017) Journal of Environmental Chemical Engineering, 5 (3), pp. 2820-2829. DOI: 10.1016/j.jece.2017. 05.030 Document Type: Article Source: Scopus
- 11) **Gowraraju, N.D., Jagadeesan, S., Ayyasamy, K., Olasunkanmi, L.O., Ebenso, E.E., Subramanian, C.**
[Adsorption characteristics of Iota-carrageenan and Inulin biopolymers as potential corrosion inhibitors at mild steel/sulphuric acid interface](#)
(2017) Journal of Molecular Liquids, 232, pp. 9-19. DOI: 10.1016/j.molliq. 2017.02.054 Document Type: Article Source: Scopus
- 12) **Jebaseelan, V.G., Srinivasan, A.**
[ArcRectZone: A lightweight curved rectangle vector based secure routing for mobile Ad-Hoc sensor network](#)
(2017) International Journal of Intelligent Engineering and Systems, 10 (6), pp. 116-124. DOI: 10.22266 /ijies2017.1231.13 Document Type: Article Access Type: Open Access Source: Scopus

13) Natarajan, A., Ponnuswamy, K., Ayyasamy, K.

Transition metal complexes of 3,5-dihydroxy-2-naphthoic acid and its nano metal oxides:
Synthesis and characterization

(2017) Asian Journal of Chemistry, 29 (8), pp. 1728-1730. DOI: 10.14233/ajchem.2017.20601 Document Type: Article Access Type: Open Access Source: Scopus

14) Gayathri, N.S., Muthulakshmi Andal, N., Anuradha, J.

An investigation approach on the sequestration of divalent metal ions employing animal waste

(2017) Oriental Journal of Chemistry, 33 (3), pp. 1406-1413. DOI: 10.13005/ojc/330342 Document Type: Article Access Type: Open Access Source: Scopus

15) Saranya, J., Sounthari, P., Chitra, S.

Comparison of the inhibition property of Quinoxaline derivative on mild steel in 1.5M H₂SO₄, 3M HCl and 1M H₃PO₄

(2017) Journal of Materials and Environmental Science, 8 (1), pp. 370-377. Document Type: Article Source: Scopus

16) Kalimuthu, S., Vijayakumar, V.

Prognosis of muscular dystrophy with extrinsic and intrinsic descriptors through ensemble learning

(2017) Turkish Journal of Electrical Engineering and Computer Sciences, 25 (5), pp. 3932-3946. DOI: 10.3906/elk-1608-173 Document Type: Article Access Type: Open Access Source: Scopus

17) Kalimuthu, S., Vijayakumar, V.

Shallow learning model for diagnosing neuro muscular disorder from splicing variants

(2017) World Journal of Engineering, 14 (4), pp. 329-336. DOI: 10.1108/WJE-09-2016-0075 Document Type: Article Source: Scopus

18) Anusuya, N., Saranya, J., Sounthari, P., Zarrouk, A., Chitra, S.

Corrosion inhibition and adsorption behaviour of some bis-pyrimidine derivatives on mild steel in acidic medium

(2017) Journal of Molecular Liquids, 225, pp. 406-417. DOI: 10.1016 / j.molliq. 2016.11.015 Document Type: Article Source: Scopus

19) Hemapriya, V., Prabakaran, M., Parameswari, K., Chitra, S., Kim, S.-H., Chung, I.-M.

Experimental and theoretical studies on inhibition of benzothiazines against corrosion of mild steel in acidic medium

(2017) Anti-Corrosion Methods and Materials, 64 (3), pp. 306-314. DOI: 10.1108/ACMM-07-2015-1562 Document Type: Article Source: Scopus

20) Poongodi, S., Kumar, P.S., Mangalaraj, D., Ponpandian, N., Meena, P., Masuda, Y., Lee, C.

Electrodeposition of WO₃ nanostructured thin films for electrochromic and H₂S gas sensor applications

(2017) Journal of Alloys and Compounds, 719, pp. 71-81. DOI: 10.1016/j.jallcom.2017.05.122 Document Type: Article Source: Scopus

21) Prabakaran, M., Kim, S.-H., Sasireka, A., Hemapriya, V., Chung, I.-M.

β -Sitosterol isolated from rice hulls as an efficient corrosion inhibitor for mild steel in acidic environments

(2017) New Journal of Chemistry, 41 (10), pp. 3900-3907 DOI: 10.1039/c6nj03760g Document Type: Article Source: Scopus