

List of Publication's – 2017

- 1) **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
- 2) **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
- 3) **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
- 4) **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
- 5) **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
- 6) **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

- 7) 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
- 8) 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
- 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
- 10) 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
- 11) Kalimuthu, Sathyavikasini, Vijayakumar, Vijaya**
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