

List of Publication's - 2018

1) Ma, Y.-K., Arthi, G., Anthoni, S.M.

Exponential stability behavior of neutral stochastic integrodifferential equations with fractional Brownian motion and impulsive effects

(2018) Advances in Difference Equations, 2018 (1), art. no. 110, . DOI: 10.1186/s13662-018-1562-6 Document Type: Article Access Type: Open Access Source: Scopus

2) Sahu, S.R., Parimala Devi, D., Phanikumar, V.V.N., Ramesh, T., Rajalakshmi, N., Praveena, G., Prakash, R., Das, B., Gopalan, R.

Tamarind seed skin-derived fiber-like carbon nanostructures as novel anode material for lithium-ion battery

(2018) Ionics, 24 (11), pp. 3413-3421. DOI: 10.1007/s11581-018-2498-2 Document Type: Article Source: Scopus

3) Priyadharsini, N., Shanmugapriya, S., Kasturi, P.R., Surendran, S., Selvan, R.K.

Morphology-dependent electrochemical properties of sol-gel synthesized LiCoPO₄ for aqueous hybrid capacitors

(2018) Electrochimica Acta, 289, pp. 516-526. DOI: 10.1016/j.electacta.2018.08.086 Document Type: Article Source: Scopus

4) Priyadharsini, N., Shanmugavani, A., Surendran, S., Senthilkumar, B., Vasylechko, L., Kalai Selvan, R.

Improved electrochemical performances of LiMnPO₄ synthesized by a hydrothermal method for Li-ion supercapatteries

(2018) Journal of Materials Science: Materials in Electronics, 29 (21), pp. 18553-18565. DOI: 10.1007/s10854-018-9972-5 Document Type: Article Source: Scopus

5) Rehana Banu, H., Nagarajan, N.

Evaluation of in vitro antioxidant activity of a medicinal herb, wedelia chinensis (Osbeck) merrill.

(2018) Asian Journal of Pharmaceutical and Clinical Research, 11 (10), pp. 433-437. DOI: 10.22159/ajpcr.2018.v11i10.25008 Document Type: Article Source: Scopus

6) Unnisa, C.N., Chitra, S.

Comparative study of adsorption of linear aliphatic/aromatic polyesters at metal/0.5 M H₂SO₄ interface

(2018) Journal of Environmental Chemical Engineering, 6 (5), pp. 6714-6722. DOI: 10.1016/j.jece.2018.09.062 Document Type: Article Source: Scopus

7) Prabakaran, M., Kim, S.-H., Sasireka, A., Kalaiselvi, K., Chung, I.-M.

Polygonatum odoratum extract as an eco-friendly inhibitor for aluminum corrosion in acidic medium

(2018) Journal of Adhesion Science and Technology, 32 (18), pp. 2054-2069. DOI: 10.1080/01694243.2018.1462947 Document Type: Article Source: Scopus

8) Rangasamy, P., Murugesan, N.

Soret and hall effect on unsteady free convection flow past an infinite vertical plate with oscillatory suction velocity and variable permeability

(2018) International Journal of Heat and Technology, 36 (3), pp. 808-816. DOI: 10.18280/ijht.360305 Document Type: Article Source: Scopus

9) Sakthikala, R., Prahala, S.

Heat and mass transfer of unsteady mhd flow of kuvshinski fluid with heat source/sink and soret effects

(2018) International Journal of Mechanical Engineering and Technology, 9 (9), pp. 1064-1077. Document Type: Article Source: Scopus

10) Jayachandran, P., Angamuthu, A., Gopalan, P.

Quantum Chemical Study on the Structure and Energetics of Binary Ionic Porphyrin Complexes

(2018) Journal of the Chinese Chemical Society, 65 (8), pp. 908-917. DOI: 10.1002/jccs.201700383 Document Type: Article Source: Scopus

11) Priyadharsini, N., Rupa Kasturi, P., Shanmugavani, A., Surendran, S., Shanmugapriya, S., Kalai Selvan, R.

Effect of chelating agent on the sol-gel thermolysis synthesis of LiNiPO₄ and its electrochemical properties for hybrid capacitors

(2018) Journal of Physics and Chemistry of Solids, 119, pp. 183-192. DOI: 10.1016/j.jpcs.2018.03.004 Document Type: Article Source: Scopus

12) Lavanya, K., Saranya, J., Chitra, S.

Recent reviews on quinoline derivatives as corrosion inhibitors

(2018) Corrosion Reviews, 36 (4), pp. 365-371. Document Type: Review Source: Scopus

13) Sumathi, K., Aiswarya, S., Arunachalam, T.

Magnetohydrodynamic stability of superposed fluid and porous layer

(2018) International Journal of Mechanical Engineering and Technology, 9 (7), pp. 780-790. Document Type: Article Source: Scopus

14) Abiram, A., Praveena, G.

Exploring the structure and stability of β -dipeptide – A quantum chemical and molecular dynamics study

(2018) Indian Journal of Pure and Applied Physics, 56 (7), pp. 561-569. Document Type: Article Source: Scopus

- 15) Priyadharsini, N., Shanmugavani, A., Vasylechko, L., Kalai Selvan, R.**
Sol-gel synthesis, structural refinement, and electrochemical properties of potassium manganese phosphate for supercapacitors
(2018) Ionics, 24 (7), pp. 2073-2082. DOI: 10.1007/s11581-018-2449-y Document Type: Article Source: Scopus
- 16) Nusrath Unnisa, C., Chitra, S., Selvasekarapandian, S., Monisha, S., Nirmala Devi, G., Moniha, V., Hema, M.**
Development of poly(glycerol suberate) polyester (PGS)–PVA blend polymer electrolytes with NH₄SCN and its application
(2018) Ionics, 24 (7), pp. 1979-1993. DOI: 10.1007/s11581-018-2466-x Document Type: Article Source: Scopus
- 17) Unnisa, C.N., Devi, G.N., Mohana Roopan, S., Chitra, S.**
Study of bio-synthesised transition nano metal oxides dispersed polyester composites as enhanced protectors for mild steel in 0.5 M H₂SO₄ medium-a green approach
(2018) Journal of Adhesion Science and Technology, pp. 1-21. Article in Press. DOI: 10.1080/01694243.2018.1481550 Document Type: Article in Press Source: Scopus
- 18) Kalaiselvi, K., Chung, I.-M., Kim, S.-H., Prabakaran, M.**
Corrosion resistance of mild steel in sulphuric acid solution by *Coreopsis tinctoria* extract: electrochemical and surface studies
(2018) Anti-Corrosion Methods and Materials, 65 (4), pp. 408-416. DOI: 10.1108/ACMM-12-2017-1866 Document Type: Article Source: Scopus
- 19) Shyamala Devi, N., Revathi, R.**
Confiscation of Nitrate Ion From Aqueous Medium Using a Noxious Aquatic Weed - A Boon From Bane
(2018) Indian Journal of Environmental Protection, 38 (6), pp. 482-489. Document Type: Article Source: Scopus
- 20) Karunakaran, I., Angamuthu, A., Gopalan, P.**
Impact of N-(2-aminoethyl) Glycine Unit on Watson-Crick Base Pairs
(2018) Zeitschrift fur Physikalische Chemie, . Article in Press. DOI: 10.1515/zpch-2017-1095 Document Type: Article in Press Source: Scopus
- 21) Sumathi, K., Panneerselvi, R., Arunachalam, T.**
Stability analysis of hydromagnetic inviscid incompressible stratified parallel linear shear flow
(2018) International Journal of Mechanical Engineering and Technology, 9 (5), pp. 556-570. Document Type: Article Source: Scopus

22) Kalaichelvi, S., Ezhili, N.

Assessment of macronutrients (N, P and K) of Monoculture, Polyculture and Termitoria Soils in Pollachi, Udamalpet Taluks in Coimbatore and Tirupur Districts, Tamil Nadu, India

(2018) Research Journal of Chemistry and Environment, 22 (4), pp. 16-22. Document Type: Article Source: Scopus

23) Basha Nusrath Unnisa, C., Nirmala Devi, G., Hemapriya, V., Chitra, S., Chung, I.-M., Kim, S.-H., Prabakaran, M.

Linear polyesters as effective corrosion inhibitors for steel rebars in chloride induced alkaline medium – An electrochemical approach

(2018) Construction and Building Materials, 165, pp. 866-876. DOI: 10.1016/j.conbuildmat.2018.01.080 Document Type: Article Source: Scopus

24) Maruvloor Arasi, K., Krishnaveni, C.

Antipyretic potential of aqueous leaf extract of *Annona Muricata*.L and *spermacece articularis*. L.F. on yeast-induced pyrexia in rats

(2018) Asian Journal of Pharmaceutical and Clinical Research, 11 (3), pp. 148-151. DOI: 10.22159/ajpcr.2018.v11i3.22728 Document Type: Article Source: Scopus

25) Agnes Nirmala, K., Kanchana, M.

Leucas aspera – A Review of its Biological activity

(2018) Systematic Reviews in Pharmacy, 9 (1), pp. 41-44. DOI: 10.5530/srp.2018.1.8 Document Type: Review Source: Scopus

26) Tharmalingam, T., Vijayakumar, V.

A hybrid linear kernel with PCA in SVM prediction model of tamil writing pattern

(2018) International Journal of Simulation: Systems, Science and Technology, 19 (4), pp. 21.1-21.8. DOI: 10.5013/IJSSST.a.19.04.21 Document Type: Article Source: Scopus

27) Devi, N.S., Andal, N.M., Vivithabharathi, K.

Virtual screening of treated pistachio vera shell powder as a potential sorbent in sequestering ubiquitous divalent metal ions from aqueous matrices

(2018) Oriental Journal of Chemistry, 34 (1), pp. 352-361. DOI: 10.13005/ojc/340138 Document Type: Article Access Type: Open Access Source: Scopus

28) Aiswarya, S., Arunachalam, T., Sumathi, K.

Effect of rotation on thermal stability of superposed fluid and porous layer

(2018) International Journal of Engineering Research and Technology, 11 (5), pp. 791-804. Document Type: Article Source: Scopus

- 29) Sharmila, C., Ranjith Kumar, R., Chandar Shekar, B.**
[Psidium guajava: A novel plant in the synthesis of silver nanoparticles for biomedical applications](#)
(2018) Asian Journal of Pharmaceutical and Clinical Research, 11 (1), pp. 341-345. DOI: 10.22159/ajpcr.2018.v11i1.21999 Document Type: Article Access Type: Open Access
- 30) Chung, I.-M., Kalaiselvi, K., Sasireka, A., Kim, S.-H., Prabakaran, M.**
[Anticorrosive property of Spiraea Cantonensis extract as an eco-friendly inhibitor on mild steel surface in acid medium](#)
(2018) Journal of Dispersion Science and Technology, . Article in Press. DOI: 10.1080/01932691.2018.1511435 Document Type: Article in Press Source: Scopus
- 31) Jeyaramraja, P.R., Nithya Meenakshi, S., Woldesenbet, F.**
[Relationship between drought and preharvest aflatoxin contamination in groundnut \(Arachis hypogaea L.\)](#)
(2018) World Mycotoxin Journal, 11 (2), pp. 187-199. DOI: 10.3920/WMJ2017.2248
- 32) Subashini G., Saravanan A., Shyamsivappan S., Arasakumar T., Mahalingam V., Shankar R., Mohan P.S.**
[A versatile “on-off-on” quinoline pyrazoline hybrid for sequential detection of Cu²⁺ and S²⁻ ions towards bio imaging and tannery effluent monitoring](#)
Inorganica Chimica Acta, 483, August 2018. DOI: 10.1016/j.ica.2018.08.012
- 33) Sumathi K., Arunachalam T., Panneerselvi R.**
[Stability of non-parallel stratified shear flows with Hall effect](#)
International Journal of Mechanical Engineering and Technology, Dec 2018 9(993-1013)
- 34) Thangamani K.S., Andal N.M., Kumar E.R., Suba V.**
[Facile synthesis, characterization and application of magnetic nano composites in sequestration of textile dye](#)
Indian Journal of Environmental Protection, 38(10):795-805. October 2018
- 35) Radha V.P., Jone Kirubavathy S., Chitra S.**
[Synthesis, characterization and biological investigations of novel Schiff base ligands containing imidazoline moiety and their Co\(II\) and Cu\(II\) complexes](#)
Journal of Molecular Structure, 1165 , 5 August 2018, Pages 246-258
- 36) Susheela P., Mary R., Radha R.**
[Gas chromatography and mass spectrometry of the ethanolic extract of nest material of mud dauber wasp, sceliphron caementarium](#)
Asian Journal of Pharmaceutical and Clinical Research, 11 (7) July 2018

37) Asha P.R., Vijaya M.S.

Binding affinity prediction models for spinocerebellar ataxia using supervised learning
Communications in Computer and Information Science, 876, pp.145-152

38) Sathiyakumari K., Vijaya M.S.

Identification of subgroups in a directed social network using edge betweenness and random walks

Smart Innovation, Systems and Technologies, 77 January 2018 DOI: 10.1007/978-981-10-5544-7_12 pp.115-125

39) Chung I.-M., Hemapriya V., Ponnusamy K., Arunadevi N., Chitra S., Hee-Youn C., Kim S.-H., Prabakaran M.

Assessment of low carbon steel corrosion inhibition by eco-friendly green chaenomeles sinensis extract in acid medium

Journal of Electrochemical Science and Technology, September 30, 2018, 9(3) 238-249

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

Corrosion inhibition behavior of benzothiazine derivative on low carbon steel in acid medium: Adsorption and quantum chemical investigations

Surface Review and Letters, November 2018

41) Chandran S., Sunny J.C., Chandran S., Bellan C.

Enhanced Antimicrobial activity of Aloe vera blended Zinc Oxide Nanoparticles in PVA matrix

Materialstoday: Proceedings, 5(8), Part 3, 2018, Pages 16190-16198

42) Shanmuga Sundari S., Sugan S., Pabitha G.

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Materials Today: Proceedings, 5(8) Part 3, 2018. pp16633-16639

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

Inhibition behavior of Tragia involucrata L. phenolic compounds against acidic medium corrosion in low carbon steel surface

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