



**PSGR KRISHNAMMAL COLLEGE FOR WOMEN**

**College of Excellence**

**NIRF 2017 – 14<sup>th</sup> Rank**

(An Autonomous Institution, Affiliated to Bharathiar University)

(Reaccredited with 'A' Grade by NAAC, An ISO 9001:2008 Certified Institution)

Peelamedu, Coimbatore-641004



**List of Publication's-2018**

S.No	Title of the paper	Name of the author	Title of the journal
1	Stability analysis of hydromagnetic inviscid incompressible stratified parallel linear shear flow	Sumathi, K., Panneerselvi, R., Arunachalam, T.	International Journal of Mechanical Engineering and Technology
2	Effect of rotation on thermal stability of superposed fluid and porous layer	Aiswarya, S., Arunachalam, T., Sumathi, K.	International Journal of Engineering Research and Technology
3	An approach to segment the hippocampus from T2-Weighted MRI of human head scans for the diagnosis of Alzheimer's disease using fuzzy C-means clustering	Genish, T., Prathapchandran, K., Gayathri, S.P.	Trends in Mathematics
4	Magnetohydrodynamic stability of superposed fluid and porous layer	Sumathi, K., Aiswarya, S., Arunachalam, T.	International Journal of Mechanical Engineering and Technology
5	Complementary place transformation in Petri nets	Kavitha, K., Babitha, T., Praveena, V.	ICSNS 2018 - Proceedings of IEEE International Conference on Soft-Computing and Network Security

6	Stability of non-parallel stratified shear flows with Hall effect	Sumathi, K., Arunachalam, T., Panneerselvi, R.	International Journal of Mechanical Engineering and Technology
7	Exponential stability behavior of neutral stochastic integrodifferential equations with fractional Brownian motion and impulsive effects	Ma, Y.-K., Arthi, G., Anthoni, S.M.	Advances in Difference Equations
8	Heat and mass transfer of unsteady mhd flow of kuvshinski fluid with heat source/sink and solet effects	Sakthikala, R., Prahala, S.	International Journal of Mechanical Engineering and Technology
9	Morphology-dependent electrochemical properties of sol-gel synthesized $\text{LiCoPO}_4$ for aqueous hybrid capacitors	Priyadharsini, N., Shanmugapriya, S., Kasturi, P.R., Surendran, S., Selvan, R.K.	Electrochimica Acta
10	Improved electrochemical performances of $\text{LiMnPO}_4$ synthesized by a hydrothermal method for Li-ion supercapatteries	Priyadharsini, N., Shanmugavani, A., Surendran, S., Senthilkumar, B., Vasylechko, L., Kalai Selvan, R.	Journal of Materials Science: Materials in Electronics
11	Effect of chelating agent on the sol-gel thermolysis synthesis of $\text{LiNiPO}_4$ and its electrochemical properties for hybrid capacitors	Priyadharsini, N., Rupa Kasturi, P., Shanmugavani, A., Surendran, S., Shanmugapriya, S., Kalai Selvan, R.	Journal of Physics and Chemistry of Solids
12	Exploring the structure and stability of $\beta$ -dipeptide – A quantum chemical and molecular dynamics study	Abiram, A., Praveena, G.	Indian Journal of Pure and Applied Physics
13	Soret and hall effect on unsteady free convection flow past an infinite vertical plate with oscillatory suction velocity and variable permeability	Rangasamy, P., Murugesan, N.	International Journal of Heat and Technology

14	Quantum Chemical Study on the Structure and Energetics of Binary Ionic Porphyrin Complexes	Jayachandran, P., Angamuthu, A., Gopalan, P.	Journal of the Chinese Chemical Society
15	Sol-gel synthesis, structural refinement, and electrochemical properties of potassium manganese phosphate for supercapacitors	Priyadharsini, N., Shanmugavani, A., Vasylechko, L., Kalai Selvan, R.	Ionics
16	Psidium guajava: A novel plant in the synthesis of silver nanoparticles for biomedical applications	Sharmila, C., Ranjith Kumar, R., Chandar Shekar, B.	Asian Journal of Pharmaceutical and Clinical Research
17	Induced Ferromagnetism in Fe Doped CeO <sub>2</sub> Nanoparticles	Shanmuga Sundari, S., Sugan, S., Pabitha, G.	Materials Today: Proceedings
18	Tamarind seed skin-derived fiber-like carbon nanostructures as novel anode material for lithium-ion battery	Sahu, S.R., Parimala Devi, D., Phanikumar, V.V.N., Ramesh, T., Rajalakshmi, N., Praveena, G., Prakash, R., Das, B., Gopalan, R.	Ionics
19	Enhanced Antimicrobial activity of Aloe vera blended Zinc Oxide Nanoparticles in PVA matrix	Chandran, S., Sunny, J.C., Chandran, S., Bellan, C.	Materials Today: Proceedings
20	Study of bio-synthesised transition nano metal oxides dispersed polyester composites as enhanced protectors for mild steel in 0.5 M H <sub>2</sub> SO <sub>4</sub> medium- a green approach	Unnisa, C.N., Devi, G.N., Mohana Roopan, S., Chitra, S.	Journal of Adhesion Science and Technology
21	Linear polyesters as effective corrosion inhibitors for steel rebars in chloride induced alkaline medium – An electrochemical approach	Basha Nusrath Unnisa, C., Nirmala Devi, G., Hemapriya, V., Chitra, S., Chung, I.-M., Kim, S.-H., Prabakaran, M.	Construction and Building Materials
22	Assessment of low carbon steel corrosion inhibition by eco-friendly green chaenomeles sinensis extract in	Chung, I.-M., Hemapriya, V., Ponnusamy, K., Arunadevi, N., Chitra, S., Hee-Youn, C., Kim, S.-H.,	Journal of Electrochemical Science and

	acid medium	Prabakaran, M.	Technology
23	A versatile "on-off-on" • quinoline pyrazoline hybrid for sequential detection of Cu <sup>2+</sup> and S <sup>2-</sup> ions towards bio imaging and tannery effluent monitoring	Subashini, G., Saravanan, A., Shyamsivappan, S., Arasakumar, T., Mahalingam, V., Shankar, R., Mohan, P.S.	Inorganica Chimica Acta
24	Development of poly(glycerol suberate) polyester (PGS)•PVA blend polymer electrolytes with NH <sub>4</sub> SCN and its application	Nusrath Unnisa, C., Chitra, S., Selvasekarapandian, S., Monisha, S., Nirmala Devi, G., Moniha, V., Hema, M.	Ionic
25	Corrosion resistance of mild steel in sulphuric acid solution by Coreopsis tinctoria extract: electrochemical and surface studies	Kalaiselvi, K., Chung, I.-M., Kim, S.-H., Prabakaran, M.	Anti-Corrosion Methods and Materials
26	Influence of soil fungi on corrosion of mild steel plates	Dharani, R., Deepalakshmi, R., Padma Devi, S.N., Nithya Meenakshi, S., Nalini, D.	NACE - International Corrosion Conference Series
27	Confiscation of Nitrate Ion From Aqueous Medium Using a Noxious Aquatic Weed - A Boon From Bane	Shyamala Devi, N., Revathi, R.	Indian Journal of Environmental Protection
28	Comparative study of adsorption of linear aliphatic/aromatic polyesters at metal/0.5 M H <sub>2</sub> SO <sub>4</sub> interface	Unnisa, C.N., Chitra, S.	Journal of Environmental Chemical Engineering
29	Facile synthesis, characterization and application of magnetic nano composites in sequestration of textile dye	Thangamani, K.S., Andal, N.M., Kumar, E.R., Suba, V.	Indian Journal of Environmental Protection
30	Polygonatum odoratum extract as an eco-friendly inhibitor for aluminum corrosion in acidic medium	Prabakaran, M., Kim, S.-H., Sasireka, A., Kalaiselvi, K., Chung, I.-M.	Journal of Adhesion Science and Technology

31	Synthesis, characterization and biological investigations of novel Schiff base ligands containing imidazoline moiety and their Co(II) and Cu(II) complexes	Radha, V.P., Jone Kirubavathy, S., Chitra, S.	Journal of Molecular Structure
32	Recent reviews on quinoline derivatives as corrosion inhibitors	Lavanya, K., Saranya, J., Chitra, S.	Corrosion Reviews
33	Virtual screening of treated pistachio vera shell powder as a potential sorbent in sequestering ubiquitous divalent metal ions from aqueous matrices	Devi, N.S., Andal, N.M., Vivithabharathi, K.	Oriental Journal of Chemistry
34	Evaluation of in vitro antioxidant activity of a medicinal herb, wedelia chinensis (Osbeck) merrill.	Rehana Banu, H., Nagarajan, N.	Asian Journal of Pharmaceutical and Clinical Research
35	Antipyretic potential of aqueous leaf extract of Annona Muricata.L and spermacoce articularis. L.F. on yeast-induced pyrexia in rats	Maruvloor Arasi, K., Krishnaveni, C.	Asian Journal of Pharmaceutical and Clinical Research
36	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	Kalaichelvi, S., Ezhili, N.	Research Journal of Chemistry and Environment
37	Securing patient's confidential information using ECG steganography	Sivaranjani, B., Radha, N.	Proceedings of the 2nd International Conference on Communication and Electronics Systems, ICCES 2017
38	Gas chromatography and mass spectrometry of the ethanolic extract of nest material of mud dauber wasp, sceliphron caementarium	Susheela, P., Mary, R., Radha, R.	Asian Journal of Pharmaceutical and Clinical Research

39	Mitigating and resolving distributed denial-of-service attacks with enhanced random anonymous path identifiers	Srileka, S., Reena, G.S.	Proceedings of the 2nd International Conference on Communication and Electronics Systems, ICCES 2017
40	Secure and attack aware routing in mobile ad hoc networks against wormhole and sinkhole attacks	Sasirekha, D., Radha, N.	Proceedings of the 2nd International Conference on Communication and Electronics Systems, ICCES 2017
41	A voice activity detector using SVM and Naïve Bayes classification algorithm	Selvakumari, N.A.S., Radha, V.	Proceedings of IEEE International Conference on Signal Processing and Communication, ICSPC 2017
42	Predicting binding affinity based on docking measures for spinocerebellar ataxia: A study	Asha, P.R., Vijaya, M.S.	Smart Innovation, Systems and Technologies
43	Leucas aspera – A Review of its Biological activity	Agnes Nirmala, K., Kanchana, M.	Systematic Reviews in Pharmacy
44	Identification of subgroups in a directed social network using edge betweenness and random walks	Sathiyakumari, K., Vijaya, M.S.	Smart Innovation, Systems and Technologies
45	Decision tree based model for the classification of pathogenic gene sequences causing ASD	Sudha, V.P., Vijaya, M.S.	Communications in Computer and Information Science
46	Binding affinity prediction models for spinocerebellar ataxia using supervised learning	Asha, P.R., Vijaya, M.S.	Communications in Computer and Information Science

47	A hybrid linear kernel with PCA in SVM prediction model of tamil writing pattern	Tharmalingam, T., Vijayakumar, V.	International Journal of Simulation: Systems, Science and Technology
48	Relationship between drought and preharvest aflatoxin contamination in groundnut ( <i>Arachis hypogaea</i> L.)	Jeyaramraja, P.R., Nithya Meenakshi, S., Woldesenbet, F.	World Mycotoxin Journal
49	A weighted mean square error technique to train deep belief networks for imbalanced data	Laxmi Sree, B.R., Vijaya, M.S.	International Journal of Simulation: Systems, Science and Technology
50	A study on assessment of the life-style features of customersâ€™ towards various leading textile showrooms in Coimbatore city	Judithpriya, R., Maheshwari, M., Lakshmi, G.	International Journal of Innovative Technology and Exploring Engineering
51	An efficient convolutional neural network based classifier to predict Tamil writer	Tharmalingam, T., Vijayakumar, V.	Periodicals of Engineering and Natural Sciences