



PSGR KRISHNAMMAL COLLEGE FOR WOMEN

College of Excellence

(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-2017

| S.No | Title of the paper | Name of the author | Title of the journal |
|------|--|--|--|
| 1 | Electrodeposition of WO ₃ nanostructured thin films for electrochromic and H ₂ S gas sensor applications | Poongodi, S., Kumar, P.S., Mangalaraj, D., Ponpandian, N., Meena, P., Masuda, Y., Lee, C. | Journal of Alloys and Compounds |
| 2 | Tight Focusing Properties of Azimuthally Polarized Pair of Vortex Beams through a Dielectric Interface | Janet, C.A.P., Lavanya, M., Rajesh, K.B., Udhayakumar, M., Jaroszewicz, Z., Velauthapillai, D. | Chinese Physics Letters |
| 3 | Effect of cobalt substitution on structural and magnetic properties of magnesium ferrite nanoparticles | Balavijayalakshmi, J., Sudha, T. | Springer Proceedings in Physics |
| 4 | Impact of annealing on structural and magnetic properties of manganese co-doped magnesium-cobalt ferrite nanoparticles | Balavijayalakshmi, J., Annie Josphine, C. | Springer Proceedings in Physics |
| 5 | Carica papaya peel mediated synthesis of silver nanoparticles and its antibacterial activity against human pathogens | Balavijayalakshmi, J., Ramalakshmi, V. | Journal of Applied Research and Technology |
| 6 | Nano-sheet-like KNiPO ₄ as a positive electrode material for aqueous hybrid supercapacitors | Priyadharsini, N., Selvan, R.K. | Electrochimica Acta |

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| 7 | Experimental and theoretical studies on inhibition of benzothiazines against corrosion of mild steel in acidic medium | Hemapriya, V., Prabakaran, M., Parameswari, K., Chitra, S., Kim, S.-H., Chung, I.-M. | Anti-Corrosion Methods and Materials |
| 8 | Î²-Sitosterol isolated from rice hulls as an efficient corrosion inhibitor for mild steel in acidic environments | Prabakaran, M., Kim, S.-H., Sasireka, A., Hemapriya, V., Chung, I.-M. | New Journal of Chemistry |
| 9 | Corrosion inhibition and adsorption behaviour of some bis-pyrimidine derivatives on mild steel in acidic medium | Anusuya, N., Saranya, J., Sounthari, P., Zarrouk, A., Chitra, S. | Journal of Molecular Liquids |
| 10 | Comparison of the inhibition property of Quinoxaline derivative on mild steel in 1.5M H ₂ SO ₄ , 3M HCl and 1M H ₃ PO ₄ | Saranya, J., Sounthari, P., Chitra, S. | Journal of Materials and Environmental Science |
| 11 | Synthesis and characterization of dextrin-based polymer electrolytes for potential applications in energy storage devices | Nirmala Devi, G., Chitra, S., Selvasekarapandian, S., Premalatha, M., Monisha, S., Saranya, J. | Ionics |
| 12 | Structural, theoretical investigations and biological evaluation of Cu(II), Ni(II) and Co(II) complexes of mercapto-pyrimidine schiff bases | Jone Kirubavathy, S., Chitra, S. | Journal of Molecular Structure |
| 13 | Synthesis, characterization and biological evaluation of Ru(III) mercaptopyrimidine Schiff base complexes | Jone Kirubavathy, S., Saranya, J., Sathya, N., Enoch, I.V.M.V., Mosae Selvakumar, P., Chitra, S. | Applied Organometallic Chemistry |
| 14 | Aster koraiensis as nontoxic corrosion inhibitor for mild steel in sulfuric acid | Prabakaran, M., Kim, S.-H., Mugila, N., Hemapriya, V., Parameswari, K., Chitra, S., Chung, I.-M. | Journal of Industrial and Engineering Chemistry |

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| 15 | Polyamidoaminoepichlorohydrin resin a novel synthetic anti-corrosive water soluble polymer for mild steel | Devi, G.N., Saranya, J., Manjubaashini, N., Thangadurai, T.D., Roopan, S.M., Chitra, S. | Progress in Organic Coatings |
| 16 | Isolation, spectroscopic and thermal properties of hydrazinium tris(oxydiacetato)lanthanate(III) hemi(pentahydrate): Crystal structure of the neodymium complex | Kanchana, P., Packiaraj, S., Pushpaveni, A., Govindarajan, S. | Journal of Thermal Analysis and Calorimetry |
| 17 | Utilization of magnetic nano cobalt ferrite doped Capra aegagrus hircus dung activated carbon composite for the adsorption of anionic dyes | Thangamani, K.S., Muthulakshmi Andal, N., Ranjith Kumar, E., Saravanabhavan, M. | Journal of Environmental Chemical Engineering |
| 18 | Synthesis and corrosion inhibition study of benzodiazepines on mild steel in sulphuric acid medium | Sasikala, T., Parameswari, K., Chitra, S., Kiruthika, A. | Measurement: Journal of the International Measurement Confederation |
| 19 | Adsorption characteristics of Iota- carrageenan and Inulin biopolymers as potential corrosion inhibitors at mild steel/sulphuric acid interface | Gowraraju, N.D., Jagadeesan, S., Ayyasamy, K., Olasunkanmi, L.O., Ebenso, E.E., Subramanian, C. | Journal of Molecular Liquids |
| 20 | Structural and molecular docking studies of biologically active mercaptopyrimidine Schiff bases | Kirubavathy, S.J., Velmurugan, R., Karvembu, R., Bhuvanesh, N.S.P., Enoch, I.V.M.V., Selvakumar, P.M., Premnath, D., Chitra, S. | Journal of Molecular Structure |
| 21 | An investigation approach on the sequestration of divalent metal ions employing animal waste | Gayathri, N.S., Muthulakshmi Andal, N., Anuradha, J. | Oriental Journal of Chemistry |
| 22 | Transition metal complexes of 3,5- dihydroxy-2-naphthoic acid and its nano metal oxides: Synthesis and | Natarajan, A., Ponnuswamy, K., Ayyasamy, K. | Asian Journal of Chemistry |

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| | characterization | | |
| 23 | Proximate and mineral analysis of a few edible flowers used in Coimbatore District, Tamil Nadu | Gowthami, N., Poornima, S. | Carpathian Journal of Food Science and Technology |
| 24 | Shot change detection on news videos using color histogram and edge based approaches | Brindha, M., Amsaveni, R. | 2016 IEEE International Conference on Advances in Computer Applications, ICACA 2016 |
| 25 | Securing data transmission in MANET using an improved Cooperative Bait Detection approach | Nachammai, M., Radha, N. | 2016 IEEE International Conference on Advances in Computer Applications, ICACA 2016 |
| 26 | Effect of Synthesis Conditions on Formation, Electrical Properties, and Seebeck Coefficient of p-Type $\text{Ca}_3\text{Co}_4\text{O}_9$ Thermoelectric Ceramics | Radhika, T., Raghu, N., Pownami, N., Jothi Ramalingam, R., Al-Lohedan, H.A. | Journal of Electronic Materials |
| 27 | Shallow learning model for diagnosing neuro muscular disorder from splicing variants | Kalimuthu, S., Vijayakumar, V. | World Journal of Engineering |
| 28 | Prognosis of muscular dystrophy with extrinsic and intrinsic descriptors through ensemble learning | Kalimuthu, S., Vijayakumar, V. | Turkish Journal of Electrical Engineering and Computer Sciences |
| 29 | ArcRectZone: A lightweight curved rectangle vector based secure routing for mobile Ad-Hoc sensor network | Jebaseelan, V.G., Srinivasan, A. | International Journal of Intelligent Engineering and Systems |

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| 30 | Ensemble learning for identifying muscular dystrophy diseases using codon bias pattern | Sathyavikasini, K., Vijaya, M.S. | Advances in Intelligent Systems and Computing |
| 31 | Multi-label Classification: Problem Transformation methods in Tamil Phoneme classification | Pushpa, M., Karpagavalli, S. | Procedia Computer Science |
| 32 | Development of smart clothing for military applications using thermochromic colorants | Karpagam, K.R., Saranya, K.S., Gopinathan, J., Bhattacharyya, A. | Journal of the Textile Institute |
| 33 | Deep belief networks for phoneme recognition in continuous Tamil speech – an analysis | Raguram, L.S.B., Shanmugam, V.M. | Traitement du Signal |