

**List of Publication's-2019**

S.No	Title of the paper	Name of the author	Title of the journal
1	Synthesis and Electrochemical Performances of gamma-KCoPO ₄ Nanocrystals as Promising Electrode for Aqueous Supercapatteries	Priyadharsini, Natarajan; Surendran, Subramani; Senthilkumar, Baskar; Vasylechko, Leonid; Selvan, Ramakrishnan Kalai	Chemelectrochem
2	Sensitivity enhancement of surface plasmon resonance sensor with 2D material covered noble and magnetic material (Ni)	Nisha, A.; Maheswari, P.; Anbarasan, P. M.; Rajesh, K. B.; Jaroszewicz, Z.	Optical and Quantum Electronics
3	Impact of N-(2-aminoethyl) Glycine Unit on Watson-Crick Base Pairs	Karunakaran, Indumathi; Angamuthu, Abiram; Gopalan, Praveena	Zeitschrift Fur Physikalische Chemie- International Journal of Research In Physical Chemistry & Chemical Physics
4	Shape controlled synthesis of dextran sulfate stabalized silver nanoparticles: biocompatibility and anticancer activity	Sharmila, C.; Prabhavathi, V; Dinesh, M.; Kumar, Ranjith R.; Shekar, Chandar B.	Materials Research Express
5	Polymer functionalized carbon/metal nanohybrids as a versatile electrochemical sensor for the detection of p-Aminophenol	Yuvashree, S.; Balavijayalakshmi, J.	Materials Research Express
6	Influence of gold nanoparticle concentration on polymer functionalized reduced graphene nanosheets and its	Ramalakshmi, V; Balavijayalakshmi, J.	Materials Research Express

	electrochemical sensing performance		
7	An efficient new dual fluorescent pyrene based chemosensor for the detection of bismuth (III) and aluminium (III) ions and its applications in bio-imaging	Saravanan, Arjunan; Shyamsivappan, Selvaraj; Suresh, Thangaraj; Subashini, Gopalan; Kadirvelu, Krishna; Bhuvanesh, Nanjan; Nandhakumar, Raju; Mohan, Palathurai Subramaniam	Talanta
8	Inhibition behavior of <i>Tragia involucrata</i> L. phenolic compounds against acidic medium corrosion in low carbon steel surface	Chung, Ill-Min; Kim, Seung-Hyun; Hemapriya, Venkatesan; Kalaiselvi, Kathirvel; Prabakaran, Mayakrishnan	Chinese Journal of Chemical Engineering
9	Synthesis and X-ray study of dispiro 8-nitroquinolone analogues and their cytotoxic properties against human cervical cancer HeLa cells	Shyamsivappan, Selvaraj; Vivek, Raju; Saravanan, Arjunan; Arasakumar, Thangaraj; Subashini, Gopalan; Suresh, Thangaraj; Shankar, Ramasamy; Mohan, Palathurai Subramaniam	Medchemcom
10	Different coordination geometries of lighter lanthanates driven by the symmetry of guanidines as charge compensators	Packiaraj, S.; Kanchana, P.; Pushpaveni, A.; Puschmann, H.; Govindarajan, S.	New Journal of Chemistry
11	Evaluation of Antioxidant and Anticorrosion Properties of <i>Epipremnum aureum</i>	Prabakaran, Mayakrishnan; Hemapriya, Venkatesan; Kim, Seung-Hyun; Chung, Ill-Min	Arabian Journal for Science And Engineering
12	Corrosion inhibition behaviour of benzothiazine derivative on low carbon steel in acid medium: Adsorption and quantum chemical investigations.	Hemapriya, V; Chung, IM; Parameswari, K; Chitra, S; Kim, SH; Prabakaran, M	Surface Review and Letters
13	<i>Liriope platyphylla</i> extract as a green inhibitor for mild steel corrosion in sulfuric acid medium	Chung, IM; Hemapriya, V; Kim, SH; Ponnusamy, K; Arunadevi, N; Chitra, S; Prabakaran, M; Gopiraman, M	Chemical Engineering Communications
14	<i>Costus speciosus</i> leaf extract assisted CS-Pt-TiO ₂ composites: Synthesis, characterization and their bio and photocatalytic applications	Surya, C; John, NAA; Pandiyan, V; Ravikumar, S; Amutha, P; Sobral, AJFN; Krishnakumar, B	Journal of Molecular Structure

15	Synthesis, characterization, single crystal XRD, in vitro antimicrobial and cytotoxicity study of tris(ethylenediamine)cobalt(II)chloride oxalate trihydrate	Kirubavathy, SJ; Velmurugan, R; Parameswari, K; Chitra, S	Arabian Journal of Chemistry
16	Electrochemical and nonelectrochemical analyses of cardo polyesters at the metal/0.5 M H ₂ SO ₄ interface for corrosion protection	Unnisa, CBN; Chitra, S; Devi, GN; Kiruthika, A; Roopan, SM; Hemapriya, V; Chung, IM; Kim, SH; Prabakaran, M	Research on Chemical Intermediates
17	Controllability of fractional order damped dynamical systems with distributed delays	Arthi, G; Park, JH; Suganya, K	Mathematics and Computers in Simulation
18	Synthesis of molybdenum disulfide doped zinc oxide nanocomposites by microwave assisted method	Krithika, S; Balavijayalakshmi, J	Materials Research Express
19	A study on anticorrosive property of phenolic components from Pachysandra terminalis against low carbon steel corrosion in acidic medium	Chitra, S; Chung, IM; Kim, SH; Prabakaran, M	Pigment & Resin Technology
20	Biodegradable Cellulosic Sanitary Napkins from Waste Cotton and Natural Extract Based Anti-bacterial Nanocolorants	Sathishkumar, G; Aarthi, M; Senthilkumar, R; Nithiya, P; Selvakumar, R; Bhattacharyya, A	Journal of the Indian Institute of Science
21	Structural, morphological, optical and diode properties of chemical bath deposited nano-structured CdS thin films using EDTA as a complexing agent	Vidhya, SN; Karunakaran, RT	Materials Science - Poland
22	UV-vis absorption spectra of Sn(IV)tetrakis(4-pyridyl) porphyrins on the basis of axial ligation and pyridine protonation	Jayachandran, P; Angamuthu, A; Gopalan, P	Journal of Molecular Modeling
23	BiCl ₃ -modified perlite as an effective catalyst for selective organic transformations: a green protocol	Brindha, K; Amutha, P; Krishnakumar, B; Sobral, AJFD	Research on Chemical Intermediates

24	Investigation on structural, spectral and morphological analysis of polymer functionalized graphene oxide-metal oxide nanocomposites for removal of dyes from aqueous solution	Reeshma, P; Balavijayalakshmi, J	Materials Research Express
25	Investigation on structural and photocatalytic properties of complex perovskites Sr ₄ Sr ₂ B ['] O ₂ (11)(B ['] = Ta, Nb)	Kavitha, K; Kiruthika, P; Vijayaraghavan, T; Deepika, CL; Ashok, AM	Materials Research Express
26	Poly(glycerol pimelate) polyester as moderate mild steel protector in 0.5 M H ₂ SO ₄ : justified from electrochemical approach and XPS investigation	Unnisa, CN; Priya, VH; Chitra, S	Journal of Adhesion Science & Technology
27	Synthesis and characterization of yttrium doped titania nanoparticles for gas sensing activity	Nithya, N; Bhoopathi, G; Magesh, G; Balasundaram, ON	Materials Science in Semiconductor Processing
28	Preparation and characterization of quaternary semiconductor Cu ₂ NiSnS ₄ (CNTS) nanoparticles for potential solar absorber materials	Deepika, R; Meena, P	Materials Research Express
29	Implications of eco-addition inhibitor to mitigate corrosion in reinforced steel embedded in concrete	Anitha, R; Chitra, S; Hemapriya, V; Chung, IM; Kim, SH; Prabakaran, M	Construction and Building Materials
30	Synergistic effect of antibiotics on the inhibition property of aminothiazolyl coumarin for corrosion of mild steel in 0.5 M H ₂ SO ₄	Mahalakshmi, D; Hemapriya, V; Subramaniam, EP; Chitra, S	Journal of Molecular Liquids
31	Toxic influence of pristine and surfactant modified halloysite nanotubes on phytopathogenic bacteria	Abhinayaa, R; Jeevitha, G; Mangalaraj, D; Ponpandian, N; Meena, P	Applied Clay Science
32	Design of CuO/SnO ₂ heterojunction photocatalyst with enhanced UV light-driven photocatalytic activity on congo-red and malachite green dyes	Selleswari, D; Meena, P; Mangalaraj, D	Journal of The Eraninan Chemical Society

33	Bioactive Hetero Bimetallic Ni(II)/Zn(II) Complexes with Compartmental Schiff Bases and Triphenylphosphine as Co-Ligand: Synthesis, Characterization and Thermal Decomposition	Suyambulingam, JK; Subramanian, C; Velusamy, P; Rathinasamy, PR; Gowrishankar, PM; Sakthivelmurugan, P	Inorganic and Nano-metal Chemistry
34	Anticorrosive property of Spiraea Cantonensis extract as an eco-friendly inhibitor on mild steel surface in acid medium	Chung, IM; Kalaiselvi, K; Sasireka, A; Kim, SH; Prabakaran, M	Journal of Dispersion Science and Technology
35	A Mn _{3O₄} nanospheres@rGO architecture with capacitive effects on high potassium storage capability	Nithya C., Vishnuprakash P., Gopukumar S.	Nanoscale Advances
36	Drug Likeness Prediction Using Structure Based Molecular Descriptors and Support Vector Machines	Vinotha, G.; Sundar, T. V.	Materials Today: Proceedings
37	Enhanced corrosion resistance of mild steel in sulphuric acid medium by imidazole derivative: Experimental and computational studies	Ramkumar, Sowmya; Nalini, D.	Materials Today: Proceedings
38	Impact of Aluminium on Structural, Optical and Morphological Properties of Copper Oxide Nanoparticles	Priya, P. Vidhya; Balavijayalakshmi, J.	Materials Today: Proceedings
39	Graphene based nanocomposites for electrochemical detection of H ₂ O ₂	Yuvashree, S.; Balavijayalakshmi, J.	Materials Today: Proceedings
40	Decoration and Functionalization of Graphene Oxide Nanocomposites for Sensing Applications	Ramalakshmi, V.; Balavijayalakshmi, J.	Materials Today: Proceedings
41	Physical Properties of Nickel Ferrite Nanoparticles at different annealing temperature Prepared by Sol-Gel Technique	Mana, Revathi; Raguram, T.; Rajni, K. S.	Materials Today: Proceedings
42	Visible light proven Si doped TiO ₂ Nanocatalyst for the Photodegradation of Organic dye	Arul, Anaimalai Ramamoorthy; Manjulavalli, Thirumalaisamy Esvaramoorthy; Venckatesh, Rajendran	Materials Today: Proceedings

43	Bio Synthesis and Characterization of Silver Nanoparticles by Leaf Extracts of Moringa Oleifera Leaf, Azardica Indica (Neem) Leaf, Bamboo Leaf, and their Antibacterial Activity	Mohanaparameswari, S.; Balachandramohan, M.; Murugeswari, P.	Materials Today: Proceedings
44	Porous reduced graphene oxide (rGO)/WO ₃ nanocomposites for the enhanced detection of NH ₃ at room temperature	Jeevitha G., Abhinayaa R., Mangalaraj D., Ponpandian N., Meena P., Mounasamy V., Madanagurusamy S.	Nanoscale Advances
45	Synthesis and thermoluminescence properties of Li ₂ B ₄ O ₇ : Sm phosphor for dosimetry applications	Ravikumar, N.; Kumar, R. Arun	Materials Today: Proceedings
46	Self-Assembly of Nanostructured Hydroxyapatite Spheres for Photodegradation of Methylene Blue Dye	Mary, I. Reeta; Leethiyal, R.; Sekar, P.; Mangalaraj, D.; Viswanathan, C.; Ponpandian, N.	Materials Today: Proceedings
47	Spectroscopic (FT-IR, FT-Raman, NMR) investigation on 2-[(2-amino-6-oxo-6,9-dihydro-3H-purin-9-yl)methoxy]ethyl(2S)-2-amino-3-methylbutanoate by Density Functional Theory	Rizwana, Fathima B.; Prasana, Johanan Christian; Muthu, S.; Abraham, Christina Susan	Materials Today: Proceedings
48	Structural transition behavior in Indium chalcogenide thin films	Pandian, M.; Matheswaran, P.; Gokul, B.; Sathyamoorthy, R.; Asokan, K.	Materials Today: Proceedings
49	Thermal & Dielectric Spectroscopic Investigation on Orientationally Disordered Crystal-Cyclobutanol	Nath, Nihil M. P.; Sulaiman, M. K.; Thayyil, Mohamed Shahin	Materials Today: Proceedings
50	Effect of Sn doping on the Structural, Optical, Electrical Properties and Diode characteristics of WO ₃ thin films Deposited by Jet Nebulizer Spray Technique	Shanmugasundaram, K.; Thirunavukkarasu, P.; Balaji, M.	Materials Today: Proceedings
51	Synthesis and Characterization of Heterocyclic Metallomesogen	Krishna, R. Aswini; Boopathi, T. S.; Senthil, S.	Materials Today: Proceedings

52	Investigation of Corrosion protection performance of Magnesium incorporated Hydroxyapatite coating on surgical grade Titanium	Gayathri, B.; Muthukumarasamy, N.; Santhosh, Shanthi Bhupathi; Velauthapillai, Dhayalan	Materials Today: Proceedings
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