

List of Publication's – 2015

- 1) **Karpagavalli, S., Chandra, E.**
[A Hierarchical Approach in Tamil Phoneme Classification using Support Vector Machine](#)
(2015) Indian Journal of Science and Technology, 8 (35), DOI: 10.17485/ijst/2015/v8i35/80681
Document Type: Article Access Type: Open Access Source: Scopus
- 2) **Anitha, S., Padma Devi, S.N., Sunitha Kumari, K.**
[Isolation and identification of zinc solubilizing fungal isolates from agricultural fields](#)
(2015) Indian Journal of Agricultural Sciences, 85 (12), pp. 1638-1642. Document Type: Article
Source: Scopus
- 3) **Parasur Babu, H., Selvaraj, J., Ramachandran, S., Marimuthu, P.D., Somanathan, B.**
[Spatial data mining using association rules and fuzzy logic for autonomous exploration of geo-referenced cancer data in Western Tamilnadu, India](#)
(2015) Network Modeling Analysis in Health Informatics and Bioinformatics, 4 (1), art. no. 23, pp. 1-11. DOI: 10.1007/s13721-015-0094-1 Document Type: Article Source: Scopus
- 4) **Priya Dharshini, A., Chandrakumarmangalam, S., Arthi, G.**
[Ant colony optimization for competency based learning objects sequencing in e-learning](#)
(2015) Applied Mathematics and Computation, 263, pp. 332-341. DOI: 10.1016/j.amc.2015.04.067
Document Type: Article Source: Scopus
- 5) **Arthi, G., Balachandran, K.**
[Controllability of impulsive second-order nonlinear systems with nonlocal conditions in Banach spaces](#)
(2015) Journal of Control and Decision, 2 (3), pp. 203-218. DOI: 10.1080/23307706.2015.1061462
Document Type: Article Source: Scopus
- 6) **Balavijayalakshmi, J., Suriyanarayanan, N., Jayaprakash, R.**
[Role of copper on structural, magnetic and dielectric properties of nickel ferrite nano particles](#)
(2015) Journal of Magnetism and Magnetic Materials, 385, art. no. 59999, pp. 302-307. DOI: 10.1016/j.jmmm.2015.03.036 Document Type: Article Source: Scopus
- 7) **Dasami, P.M., Parameswari, K., Chitra, S.**
[Corrosion inhibition of mild steel in 1M_H2SO₄ by thiadiazole Schiff bases](#)
(2015) Measurement: Journal of the International Measurement Confederation, 69, pp. 195-201. DOI: 10.1016/j.measurement.2015.03.025 Document Type: Article Source: Scopus

- 8) **Ali, Z., Abbas, A.W., Thasleema, T.M., Uddin, B., Raaz, T., Abid, S.A.R.**
[Database development and automatic speech recognition of isolated Pashto spoken digits using MFCC and K-NN](#)
(2015) International Journal of Speech Technology, 18 (2), pp. 271-275. DOI: 10.1007/s10772-014-9267-z Document Type: Article Source: Scopus
- 9) **Praveena, G., Abiram, A.**
[Structural and Interaction Properties of Porphyrin Layers - A Quantum Chemical Study](#)
(2015) Communications in Theoretical Physics, 63 (5), art. no. 625, pp. 625-634.
DOI: 10.1088/0253-6102/63/5/625 Document Type: Article Source: Scopus
- 10) **Dasami, P.M., Parameswari, K., Chitra, S.**
[Inhibition of mild steel corrosion in 1M H₂SO₄ medium by benzimidazolemannich bases](#)
(2015) Oriental Journal of Chemistry, 31 (1), pp. 185-191. DOI: 10.13005/ojc/310120 Document Type: Article Access Type: Open Access Source: Scopus
- 11) **Meenakshi, S., Karpagavalli, S.**
[Speech emotion recognition using classification algorithms](#)
(2015) International Journal of Applied Engineering Research, 10 (5), pp. 12893-12904. Document Type: Article Source: Scopus
- 12) **Anju Varghese, R., Anandhi, P., Arunadevi, R., Boovisha, A., Sounthari, P., Saranya, J., Parameswari, K., Chitra, S.**
[Satin leaf \(*Chrysophyllum oliviforme*\) extract mediated green synthesis of silver nanoparticles: Antioxidant and anticancer activities](#)
(2015) Journal of Pharmaceutical Sciences and Research, 7 (6), pp. 266-273. Document Type: Article Source: Scopus
- 13) **Kavitha, R., Christopher, T.**
[Classification of heart rate using back propagation neural networks](#)
(2015) International Journal of Bio-Science and Bio-Technology, 7 (4), pp. 127-134. DOI: 10.14257/ijbsbt.2015.7.4.13 Document Type: Article Access Type: Open Access Source: Scopus
- 14) **Ayyasamy, K., Palanisamy, S., Kandasamy, P., Chitra, S.**
[Polyester-bentonite clay composite: Synthesis, characterization and application as anticorrosive agent](#)
(2015) Oriental Journal of Chemistry, 31 (3), pp. 1811-1821. DOI: 10.13005/ojc/310364 Document Type: Article Access Type: Open Access Source: Scopus

- 15) **Ramkumar, S., Nalini, D.**
[Correlation between inhibition efficiency and chemical structure of new indolo imidazoline on the corrosion of mild steel in molar HCl with DFT evidences](#)
(2015) Oriental Journal of Chemistry, 31 (2), pp. 1057-1064. DOI: 10.13005/ojc/310255 Document Type: Article Access Type: Open Access Source: Scopus
- 16) **Thendral, T., Vijaya, M.S.**
[Detection of a person using descriptive features of tamil handwriting and pattern learning](#)
(2015) International Journal of Applied Engineering Research, 10 (21), pp. 41902-41909. Document Type: Article Source: Scopus
- 17) **Saranya, J., Sounthari, P., Parameswari, K., Chitra, S.**
[Adsorption and density functional theory on corrosion of mild steel by a quinoxaline derivative](#)
(2015) Der Pharma Chemica, 7 (8), pp. 187-196. Document Type: Article
- 18) **Anusuya, N., Sounthari, P., Saranya, J., Parameswari, K., Chitra, S.**
[Corrosion inhibition effect of hydroxy pyrazoline derivatives on mild steel in sulphuric acid solution together with Quantum chemical studies](#)
(2015) Journal of Materials and Environmental Science, 6 (6), pp. 1606-1623. Document Type: Article Source: Scopus
- 19) **Lavanya, M., Prabakaran, K., Rajesh, K.B., Udhayakumar, M.**
[Effect of dielectric interface on the tight focusing properties of radially polarized annular multi Gaussian beams](#)
(2015) Optical and Quantum Electronics, 47 (3), pp. 587-593. DOI: 10.1007/s11082-014-9934-y Document Type: Article Source: Scopus
- 20) **Anusuya, N., Sounthari, P., Saranya, J., Parameswari, K., Chitra, S.**
[Quantum Chemical Study on the Corrosion Inhibition Property of Some Heterocyclic Azole Derivatives](#)
(2015) Oriental Journal of Chemistry, 31 (3), pp. 1741-1750. DOI: 10.13005/ojc/310355 Document Type: Article Access Type: Open Access Source: Scopus
- 21) **Saranya, J., Sounthari, P., Kiruthuka, A., Parameswari, K., Chitra, S.**
[The inhibiting effect of some quinoxaline derivative towards mild steel corrosion in acid media: Chemical, electrochemical and theoretical studies](#)
(2015) Journal of Materials and Environmental Science, 6 (2), pp. 425-444. Document Type: Article Source: Scopus
- 22) **Nithyadevi, D., Suresh Kumar, P., Mangalaraj, D., Ponpandian, N., Viswanathan, C., Meena, P.**
[Improved microbial growth inhibition activity of bio-surfactant induced Ag-TiO₂ core shell nanoparticles](#)
(2015) Applied Surface Science, 327, pp. 504-516. DOI: 10.1016/j.apsusc.2014.11.169 Document Type: Article Source: Scopus