

PUBLICATION DETAILS 2018-2019

CIVIL ENGINEERING

K.Ilamparuthi, Padmini D, Artificial Neural Network Modelling Using Bayesian Approach in Geotechnical Engineering Applications, International,Journal, 2019-07-03, 2018-12, Vol8, Issue XII, Page 431-440.

K.Ilamparuthi, Padmini D, Methods To Predict The Pullout Capacity of Anchors in Cohesionless Soils- A Review, International,Journal, 2019-07-03, 2018-11, Vol 4 Issue 11, Page 115-126.

B Renishna,V Satheeskumar, Experimental study and numerical analysis on behaviour of soil nailed slope, International,Proceedings, 2019-07-03, 2019-03, 0, 57 to 62.

4. Subhagiriraj,M Kumar, Experimental study on load bearing capacity of flat and shell footings in cohesionless soil, International,Proceedings, 2019-07-03, 2019-03, 0, 422 to 426.

JemiShalini,Sathyapriya S, Behaviour of circular footing on 2d reinforced truncated cone granular trench, International,Proceedings, 2019-07-03, 2019-03, 0,38 to 41.

Jeyaprabhakar,Sathyapriya s, Numerical Analysis of Inclined root caisson under vertical and lateral loading, National, Proceedings, 2019-07-03, 2019-04, 0, 88 to 92.

Gowtham Padmanabhan,Ganeshkumar,Sathyapriya Subramanian, study on liquefaction potential of solani sand using shaking table tests, International,Proceedings, 2019-07-03, 2019-03, 0, 5 to 9.

Gowtham Padmanabhan,Ganeshkumar,Sathyapriya Subramanian, 1-g shaking table tests on prefabricated vertical drains for liquefaction mitigation, National, Proceedings, , 2019-07-03, 2019-03, 0.

M.Suguna Devi and S.P.Jeyapriya, Experimental study on piles with pile cap at varying position under different loading conditions, International,Journal, 2019-07-03, 2018-12, Vol.8, Issue 2, 79 to 83.

S.P.Jeyapriya, Effect of bioclogging and biocementation on the permeability and strength of soil, National, Journal, 2019-07-03, 2018-09, 45 (3), 560 to 565.

Jeyapriya S.P, Praveen Kumar S, Behavioural Analysis of vertical and batter pile groups under vertical and lateral loading in sand, International,Journal, 2019-07-03, 2018-11,Vol.11, No.22. 1 to 7.

R.Tamizhsudar, G.Dhamodhara Kannan, P.Suresh Kumar, ANALYTICAL STUDY ON COLD FORMED STEEL FLEXURAL MEMBERS USING FINITE STRIP METHOD, International,Journal, 2019-06-27, 2019-03, Volume 5, Issue 03, 1185-1192.

M.Monisa Sivagami, G.Dhamodhara Kannan, P.Suresh Kumar, Buckling Analysis of Rectangular Hollow Flange Cold Formed Steel Section, International,Journal, 2019-06-27, 2019-03, Volume 5, Issue 03, 611-615.

P.Mahakavi, R.Chithra, Modelling of mechanical properties of Self-Compacting Concrete with foundry sand and Recycled coarse aggregate, International,Proceedings, 2019-06-27, 2019-03, 265.

P.Mahakavi, R.Chithra, Prediction of properties of Recycled Coarse Aggregate Self Compacting concrete with M- sand using Artificial Neural Network, International,Proceedings, 2019-06-27, 2019-03, 1034.

Srisudharssan S, Chithra R , Manju Soniya S, EXPERIMENTAL STUDY OF MECHANICAL PROPERTIES OF HYBRID ECC WITH POLYPROPYLENE AND STEEL FIBRES, National,Proceedings, 2019-06-27, 2019-04, 151-157.

Arsath Ahamed M,Chithra R,Yazhini E, VIBRATIONAL ANALYSIS OF CONCRETE PIPE USING FINITE ELEMENT ANALYSIS, National,Proceedings, 2019-06-27, 2019-04, 110-118.

K.Karthikeyan, M.Praveen Kumar, R.Thenmozhi, "EXPERIMENTAL INVESTIGATION ON SUSTAINABLE STABILIZED BUILDING BLOCKS WITHOUT CEMENT STABILIZER", International,Journal, 2019-06-27, 2019-03, 1207-1214.

R.Vivega, V.P.Dhanapriya, R.Thenmozhi, Experimental study on Performance of Quaternary blended Concrete, International,Journal, 2019-06-27, 2019-03, Volume 5, Issue 3,756-760.

N.Divyah, R.Thenmozhi, M.Neelamegam, Mechanical Behaviour of Concrete made of Sintere Flyash aggregate - A sustainable building solution, International,Journal, 2019-06-27, 2019-04, Volume 53, ISSUE 1 (JAN - APR), 2019,424-434.

R.Prakash, R.Thenmozhi, S.N.Raman, Mechanical Characterisation and flexural performance of eco-friendly concrete produced with fly ash as cement replacement and coconut shell coarse aggregate, International,Journal, 2019-06-25, 2019-04,18, 2,131-148.

MECHANICAL ENGINEERING

M.Sekar,R.John Peter, Reduction of fuel consumption using seeback effect in IC engine exhaust, International,Journal, 2019-06-25, 2019-04, Vol 6, Issue 4 0.

M.Sekar, k.mohammed Sirajudin, Experimental investigation of down draft fixed bed gasifier, International,Journal, 2019-06-25, 2019-05, Vol 5, Issue 5,0.

M.Sekar, A.Vinothkumar, Design and analysis of composite mono leaf spring for weight reduction in light commercial vehicles, International Journal, 2019-06-25, 2019-05, Vol 5, Issue 3 ,173-182.

M.Sekar, V.Sabareesh Prabhakaran, Investigation of dry sliding wear behaviour of glass and jute-isophthalic filled with graphite particles, International,Journal, 2019-06-25, 2019-02, Vol 5, Issue 2,0.

M.Sekar, R.Linesh, Investigation of mechanical properties of Al-TiO₂ -Graphite hybrid composite fabricated using squeeze casting process, International,Journal, 2019-06-25, 2019-05, Vol 7, Issue V,0.

M.Sekar, N.Charumathi, Study of mechanical behaviour of LM25/TiB₂/ Metal matrix composite, International,Journal, 2019-06-25, 2019-05, Vol 7, Issue V,0.

R. Sakthivel, K.Ramesh, “Studies on the effects of storage stability of bio-oil obtained from pyrolysis of *Calophyllum inophyllum* deoiled seed cake on the performance and emission characteristics of a direct-injection diesel engine” Environmental Science and Pollution Research. <https://doi.org/10.1007/s11356-018-1986-2>, June 2018.

K.Ramesh, P.Baranitharan, R.Sakthivel “Investigation of the stability on boring tool attached with double impact dampers using Taguchi based Grey analysis and cutting tool temperature investigation through FLUKE-Thermal imager” ELSEVIER Measurement, <http://doi.org/10.1016/j.measurement.2018.08.055>, August 2018.

Vishnu Priya M, Ramesh K, Sivakumar P, Balasubramanian R & Anirbid Sircar, “Kinetic and thermodynamic studies on the extraction of bio oil from *Chlorella vulgaris* and the subsequent biodiesel production” Chemical Engineering Communications. <https://doi.org/10.1080/00986445.2018.1494582>, September 2018

Paramaguru.V, Ramesh K, Suresh C “Prediction and optimization of CI engine performance fuelled with *Calophyllum inophyllum* diesel blend using response surface methodology (RSM)” Environmental Science and Pollution Research. <https://doi.org/10.1007/s11356-018-2519-8>, September 2018

Purnachandran Ramakrishnan, Ramesh Kasimani & Mohamed Shameer Peer, “Optimization in the performance and emission parameters of a DI diesel engine fuelled with pentanol added *Calophyllum inophyllum*/diesel blends using response surface methodology” Environmental Science and Pollution Research. <https://doi.org/10.1007/s11356-018-2867-4>, October 2018

Baranitharan Paramasivam , Ramesh Kasimani & Sakthi Rajamohan “ Characterization of pyrolysis bio-oil derived from intermediate pyrolysis of *Aegle marmelos* de-oiled cake : study on performance and emission characteristics of C.I engine fuelled with *Aegle marmelos* pyrolysis. Environmental Science and Pollution Research. <https://doi.org/10.1007/s11356-018-3319-x>, November 2018

Ramesh k, Baranitharan P & Sakthivel R “ Investigation of the stability on boring tool attached with double impact dampers using Taguchi based Grey analysis and cutting tool temperature investigation through FLUKE-Thermal imager” Measurement 131(2019) 143-155. <https://doi.org/10.1016/j.measurement.2018.08.055>, January 2019

Baranitharan Paramasivam, Ramesh Kasimani, Sakthivel Rajamohan “Experimental assessment and multi-response optimization of diesel engine performance and emission characteristics fuelled with Aegle marmelos seed cake pyrolysis oil-diesel blends using Grey relational analysis coupled principal component analysis” Environmental Science and Pollution Research <http://doi.org/10.1007/s11356-019-04164-8>, January 2019

P.Baranitharan, K.Ramesh, R.Sakthivel “Measurement of performance and emission distinctiveness of Aegle marmelos seed cake pyrolysis oil/diesel/TBHQ opus powered in a DI diesel engine using ANN and RSM” ELSEVIER Measurement, <http://doi.org/10.1016/j.measurement.2019.05.037>, May 2019

K. Sankarganesh, K. Ramesh “Assessment and Influence of Double Impact Dampers in The Stability of Boring Tool” Volume 5 - Issue 5 <http://ijsart.com/Home/IssueDetail?id=32555>, May 2019.

A.Venkatesh, K.Ramesh “Design of Static Mixer To Improve The Uniformity Index In Urea SCR System” Volume 5 - Issue 5 <http://ijsart.com/Home/IssueDetail?id=32553>, May 2019

Nandakumar N, Alaguraja J, “Investigation of Natural Frequencies through Modal Analysis in Kart Cross Off-Road Vehicle chassis”, International,Journal, 2019-06-25, 2019-01, Volume 5,Issue1,335-341.

Nandakumar N, Siva S, “Evaluation and Visualization of surface Defects on Automotive Body Panels by Root-Cause Methodology”, International,Journal, 2019-06-25, 2019-05, Volume 7, Issue V,3210-3221.

Nandakumar N, Sudharsan B, “Modelling And Structural Analysis of Shape Optimization In Disc Brake Rotor”, International,Journal, 2019-06-25, 2019-02, Vol.5, No.2,371 – 377.

Nandakumar N, “Design and Analysis of Fixture for Indexing and Machining the Steam Distribution Manifold”, International,Journal, 2019-06-25, 2019-03, Vol.7, No.3, 970 – 976.

Nandakumar N, Vivek Masthiraj N, Mugilan T, “Experimental investigation to optimize machining parameters in hard turning of EN31 alloy steel using surface treated carbide inserts”, International,Journal, 2019-06-25, 2019-05, Vol. 53, ISSUE 2,227-237.

Nandakumar N, Arunkumar P, "Simulation and Experimental Investigation on Engine Piston to Reduce Noise", International,Journal, 2019-06-25, 2019-03, Vol.7, Issue 3,79 – 85.

Sundara Pandiyan D, Nandakumar N, Arunkumar P, "Effect of Higher Alcohols Addition on Performance and Emission Characteristics of Single Cylinder Diesel Engine by using Diesel/Waste Plastic Oil Blends", International,Journal, 2019-06-25, 2019-03, Vol.7, Issue 3,1165 – 1174.

Nandakumar N, Arunkumar P, "Real-time Investigation of Induced Vibration for Optimizing Surface Roughness in Turning Process with Modified System", International,Journal, 2019-06-25, 2019-03, Vol.7, Issue 3 1006 – 1015.

Nandakumar N, Muthukumar, "Experimental Investigation on Mechanical Properties of Quartz reinforced Aluminum alloy metal matrix composite as cast and heat treated", International,Journal, 2019-06-25, 2018-09, Vol. 8, Issue 9, Version 5,07-13.

S Balakrishnan, B Rajeswari, Optimization of Process Parameters of Al-B4C hybrid Composites using Response Surface Methodology, International,Proceedings, 2019-06-25, 2018-07, Vol No. 402, Pg. 1- 15.

B. Rajeswari & K. S. Amirthagadeswaran, "Study of machinability and parametric optimization of end milling on aluminium hybrid composites using multi-objective genetic algorithm", International,Journal, 2019-06-25, 2018-07, VOLUME 40, ISSUE 7,Pg. 1- 15.

K. Aishwarya Lakshmi, B. Rajeswari, Evaluation of Mechanical Behavior of M25/TiB2/B4C Metal Matrix Composite, International,Journal, 2019-06-25, 2019-05, VOLUME 7, ISSUE 53280-3287.

R.Rajkuamr,B. Rajeswari, Effective Design and analysis of conformal 3D lattice structure, International,Journal, 2019-06-25, 2019-04, VOLUME 7, ISSUE 4,495-500.

PRAVIN KUMAR J, R.SURENDRAN, ANALYSIS OF DRY SLIDING WEAR BEHAVIOUR OF STIR CASTED LM25 - AL₂O₃-GR COMPOSITE, International,Journal, 2019-06-25, 2019-05, VOLUME 5, ISSUE 5,0.

PREETHI V,R.SURENDRAN, ANALYSIS OF MICRO HARDNESS AND WEAR PROPERTIES OF LM 13 ALUMINIUM HYBRID COMPOSITE FABRICATED USING STIRCASTING, International,Journal, 2019-06-25, 2019-05, VOLUME 5, ISSUE 5,0.

K.MANIKKAVASAGAN, R.SURENDRAN, PERFORMANCE ANALYSIS OF DIESEL ENGINE WITH TWO BIODIESELS BLENDED WITH DIESEL, International,Journal, 2019-06-25, VOL 6, ISSUE 12,0.

S.Santhosh , S. Periyasamy, "Experimental Design For Single Degree Of Freedom Vibration System", International,Journal, 2019-06-25, Vol.7, No.4, 401-405.

A. Ramkumar, Dr. S. Periyasamy , M. Syed Easa Faizal, “Investigation of Mechanical Properties of Al-SiC Hybrid Composite using Squeeze Casting Process”, International,Journal, 2019-06-25, 2019-03, Volume 7 Issue V,488-496.

B. Vibin, Dr. S. Periyasamy, “Cell Geometry Effect On The Vibration Behaviour of Sandwich Composite Structure”, International,Journal, 2019-06-25, 2019-05, Vol.7, No.3,109-1112.

P. Sathish Kumar, S. Periyasamy, “Performance, Combustion and Emission Characteristics of a Diesel Engine Fuelled with the Annona Squamosa Seed Cake Pyrolysis Oil”, International,Journal, 2019-06-25, 2018-12, Vol. 6, Issue 5,39-46.

S. Ragul, S. Periyasamy, “Numerical Investigation on High Performance Supercritical Airfoil using Co-Flow Jet Control”, International,Journal, 2019-06-25, 2018-09, Volume 6 Issue 12,915-927.

N.Vivek Masthiraj, Dr.S.Periyasamy, “An Investigation on Aeroelasticity Effects in Unmanned Aerial Vehicle”, International,Journal, 2019-06-25, 2018-11,Volume 4 Issue 9,274-277.

Arunprasad As, Periyasamy S, Sivakumar P, Sakthi Saravanan A & Anirbid Sircar, “Optimization and kinetic studies on biodiesel production from microalgae (Euglena sanguinea) using calcium methoxide as catalyst”, International,Journal, 2019-06-25, 2018-12, Volume 41 Issue Number, 12,1497-1507.

T.Sekar, V.Sathyamoorthy, Improving the MRR of ECM using Nano Particles Suspended Electrolytes, International,Book/Chapter, 2019-06-25, 2019-02,0,0.

T.Sekar, A. Sivakumar, Electrochemical machining of AISI 202 using Mixed Electrolytes, International,Book/Chapter, 2019-06-25, 2019-04,0,0.

T.Sekar, T.V Rajamurugan,k.Umanath, ‘Experimental Investigation on the impact of Silver Nitrate solution mixed electrolyte in the ECM of AISI 202, International,Journal, 2019-06-25, 2018-10, 0,895-909.

T.Sekar, A. Sivakumar, V.Sathyamoorthy, Investigations on the effect of Copper Nano Fluid in Electro Chemical Machining of HCHCr Die Steel, International,Journal, 2019-06-25, 2019-04, volume 53 issue 1,447-453.

.

ELECTRICAL AND ELECTRONICS ENGINEERING

Jagadeeswar Reddy Chintam, Achiammal B, Design and Developing of Converter for Integration of the Grid Connected Hybrid Energy Sources, International,Journal, 2019-06-25, 2019-05, 3,1,1 to 20.

Devi. R, Shanmugalakshmi. R, Trust model for cloud providers using Linear equations, International,Proceedings, 2019-06-24, 2019-04.

ELECTRONICS AND COMMUNICATION ENGINEERING

Kala R, Deepa P, Adaptive fuzzy hexagonal bilateral filter for brain MRI denoising, International,Journal, 2019-06-27, 2019-07.

Kala R, Deepa P, Segmentation of Brain Magnetic Resonance Images using Deep Learning Classification and Multi-modal Composition, International,Journal, 2019-06-27, 2019-07.

Mr.Mahesh babu, N Ameena Bibi, Implementation of improved dark channel prior for fog removal, International,Proceedings, 2019-06-27, 2019-03.

Ms.Lidiya, N Ameena Bibi, Restoration of underwater images based on image blurriness and light absorption, National,Proceedings, 2019-06-27, 2019-04, voll.

Ms.Vinothini, N Ameena Bibi, Perception Oriented Haze image restoration based on physics optics model, National,Proceedings, 2019-06-27, voll.

Reba.P , G.Umamaheswari, G.Suchitra, Performance Investigation of Interference alignment techniques for Underlay MIMO Cognitive Radio Networks, International,Proceedings, 2019-06-27, 2018-12.

Sreeja G, Saraniya O, Sum modified Laplacian based image fusion in DCT domain with super resolution, International,Proceedings, 2019-06-27, 2019-04, vol. 1.

Bagavathi C, Saraniya O, Statistical Descriptors based Image Classification of Textural Images, International,Proceedings, 2019-06-27, 2019-04, vol. 1.

Sreeja G, Saraniya O, Energy Efficient multifocus image fusion in DCT domain, International,Proceedings, 2019-06-27, 2019-04, vol. 1.

Bagavathi C, Saraniya O, Image Classification by learning of wavelet and texture features, International,Proceedings, 2019-06-27, 2019-04, vol. 1.

Sreeja G, Saraniya O, A Comparative study on image registration techniques for SAR images, International,Proceedings, 2019-06-27, 2019-03, Vol. 5.

Bagavathi C, Saraniya O, Hardware Designs for Histogram of Oriented Gradients in Pedestrian Detection: A Survey, International,Proceedings, 2019-06-27, 2019-03, Vol. 5.

ELECTRONICS AND INSTRUMENTATION ENGINEERING

A.Suguna, "Hardware Implementation of PI controller for NOEL Converter using Optimization Technique", International,Proceedings, 2019-06-25, 2019-04, 467 to 476.

Dr.B.Achiammal, Hardware Implementation of PI controller for NOEL Converter using Optimization Technique, International,Proceedings, 2019-06-25, 2019-04, 467 to 476.

SRINIVASAN KANTHALAKSHMI, REAL TIME IMPLEMENTATION OF ADAPTIVE SLIDING MODE CONTROLLER FOR A NON LINEAR SYSTEM, International,Journal, 2019-06-25, 2019-12, 27,4,395 – 402.

PRODUCTION ENGINEERING

Dhanesh G Mohan, S Gopi, V Rajasekar, Effect of Induction Heated Friction Stir Welding on Corrosive Behaviour, Mechanical Properties and Microstructure of AISI 410 Stainless Steel., International,Journal, 2019-06-26, 2018-07, Vol No. 25, 203 – 208.

Kumar S, Sakthivel M, Sudhagar S, Nivethan K, Two body Abrasive Wear Characteristics of Al7068/Si3N4/BN Hybrid Composite, International,Journal, 2019-06-26, 2019-03, Vol No: 6, Issue No: 6 66502.

A Sasikumar, S Gopi, Dhanesh G Mohan, Effect of magnesium and chromium fillers on the microstructure and tensile strength of friction stir welded dissimilar aluminium alloys, International,Journal, 2019-06-26, 2019-05, Vol No: 6, Issue No: 8 86580.

Senthilvel Santhakumar, Ilamathi Palanivel, Krishnanand Venkatasubramanian, "Building a Low Cost Wind Turbine in Highways for Rural House Electricity Demand" International,Journal, 2019-06-26, 2019-02, Vol No: 38, Issue No:1 278-285.

COMPUTER SCIENCE AND ENGINEERING

Ramana Raghavi P., Miraclin Joyce Pamila J.C., Secure and Efficient Smart Parking System in Vehicular Adhoc Networks, National, Journal, 2019-07-16, 2019-05, VOL 6, ISSUE ,437-441.

Sutiya Prabha Devi G., Miraclin Joyce Pamila J.C., Communication of Smart Vehicles Using Privacy Preserving Block chain – Based Incentive Announcement Network, International,Journal, 2019-07-16, 2019-05, Vol 6, Issue 2, 357-361.

SURIYA PRABA DEVI G, Dr.J.C.Miraclin Joyce Pamila, Communication of Smart Vehicles Using Privacy Preserving Blockchain – Based Incentive Announcement Network, International,Journal, 2019-06-25, 2019-05, 6(2),0.

SURIYA PRABA DEVI G, Dr.J.C.Miraclin Joyce Pamila, Accident Alert System Application Using a Privacy-Preserving Blockchain-Based Incentive Mechanism, International,Proceedings, 2019-06-25, 2018-12.

SURIYA PRABA DEVI G, Dr.J.C.Miraclin Joyce Pamila, VANET: A Survey on Issues in Communication of Smart Vehicles, International,Proceedings, 2019-06-25, 2018-11.

SUGANYA G, Dr.K.Kumar, Edge Computing Framework For Video Processing Using Multimedia Systems, International,Proceedings, 2019-06-25, 2019-03.

SUGANYA G, Dr.K.Kumar, A Survey On Edge Computing, International,Proceedings, 2019-06-25, 2018-10.

SENAPATHI M, Dr.J.C.Miraclin Joyce Pamila, A Privacy Preserving Authentication Technique For Vehicular Adhoc Network, International,Proceedings, 2019-06-25, 2019-03.

SRIJA R, Dr.K.Kumar, Pedestrian and Lane Detection using Computer Vision, International,Proceedings, 2019-06-25, 2019-03.

SRIJA R, Dr.K.Kumar, Secure and Efficient Smart Parking System in Vehicular adhoc Networks, International,Journal, 2019-06-25, 2019-05, 6(2),0.

PRIYANKA R, Dr.S.Rathi, A Survey on Flow update consistency and efficiency in software defined networks, International,Proceedings, 2019-06-25, 2019-03.

MADHAN KUMAR M, L.Sumathi, Network Based Anomaly Detection in IoT using Autoencoders, International,Proceedings, 2019-06-25, 2019-05.

KAVITHANJALI V, T.Rajasenbagam, Content based Medical Image Retrieval for Diagnosing Lung Diseases using CT Imaging Sign, International,Journal, 2019-06-25, 2019-05, 6(2),0.

KAVITHANJALI V, T.Rajasenbagam, Content based Medical Image Retrieval for Diagnosing Lung Diseases using CT Imaging Sign – A Survey, International,Journal, 2019-06-25, 2018-11, 5(11),0.

JAYANTHI S, Dr.S.Rathi, Railway Track Defect Detection system using Computer Vision, International,Proceedings, 2019-06-25, 2019-03.

HARIHARASUDHAN T, Dr.S.Rathi, A Survey On Secured and Efficient user authenticated key management protocol, International,Proceedings, 2019-06-25, 2019-03.

GOWRI S, Dr.R.Bhavani, Comparative Analysis of Malware Android Apps Detection Using Machine Learning Approach, International,Proceedings, 2019-06-25, 2018-12.

GNANA AMALA NANCY J, Dr.K.Kumar, Content Popularity Prediction Methods – A Survey, International,Proceedings, 2019-06-25, 2018-10.

N.Gopika, A.MeenaKowshalya, Correlation Based Feature Selection Algorithm for Machine Learning, International,Proceedings, 2019-06-25, 2019-05, 113-119.

A.MeenaKowshalya, M.L.Valarmathi, Dynamic trust management for secure communications in social internet of things (SIoT), International,Journal, 2019-06-25, 2018-09, 43(9),585-612.

A. Meena Kowshalya, R. Madhumathi, N. Gopika, Correlation Based Feature Selection Algorithms for Varying Datasets of Different Dimensionality, International,Journal, 2019-06-25, 2019-05, 51(4),111-117.

INDUSTRIAL BIOTECHNOLOGY

G Sharmila, C Muthukumaran, K Sandiya, S Santhiya, R Sakthi Pradeep, N Manoj Kumar, N Suriyanarayanan, M Thirumarimurugan, Biosynthesis, characterization, and antibacterial activity of zinc oxide nanoparticles derived from Bauhinia tomentosa leaf extract, International,Journal, 2019-07-03, 2018-09, 8,293-299.

Raja Sivashankar, Arunachalam Thirunavukkarasu, Rajarathinam Nithya, Jeyaram Kanimozhi, Sathya, Sequestration of methylene blue dye from aqueous solution by magnetic biocomposite: Three level Box–Behnken experimental design optimization and kinetic studies, International,Journal, 2019-06-25, 2019-05, 0,1-14.

Rajarathinam Nithya, Arunachalam Thirunavukkarasu, KarpagasundaramMuthukumaran, Adsorption of acid yellow 36 onto green nanoceria and amine functionalized green nanoceria: Comparative studies on kinetics, isotherm, thermodynamics, and diffusion analysis, International,Journal, 2019-06-25, 2018-12, 93,211-225.

Chandrasekaran Sivasankari, Nithya Rajarathinam, Rangabhashiyam Selvasembian, Novel adsorbent prepared from bio-hydrometallurgical leachate from waste printed circuit board used for the removal of methylene blue from aqueous solution, International,Journal, 2019-06-25, 2018-11, 142,321-328.

Raja Sivashankar, Arunachalam Thirunavukkarasu, Rajarathinam Nithya, Jeyaram Kanimozhi, Sathya, Sequestration of methylene blue dye from aqueous solution by magnetic biocomposite: Three level Box–Behnken experimental design optimization and kinetic studies, International,Journal, 2019-06-25, 2019-05, 0,1-14.

Rajarathinam Nithya, Arunachalam Thirunavukkarasu, KarpagasundaramMuthukumaran, Adsorption of acid yellow 36 onto green nanoceria and amine functionalized green nanoceria: Comparative studies on kinetics, isotherm, thermodynamics, and diffusion analysis, International,Journal, 2019-06-25, 2018-12, 93,211-225.

Chandrasekaran Sivasankari, ArunachalamThirunavukkarasu, Rangabhashiyam Selvasembian, Novel adsorbent prepared from bio-hydrometallurgical leachate from waste printed circuit board used for the removal of methylene blue from aqueous solution, International,Journal, 2019-06-25, 2018-11, 142,321-328.

N. SivarajasekarV. C. PadmanabanE. NakkeeranN. Selvaraju, Biosorption of xenobiotic Reactive Black B onto metabolically inactive T. harzianum biomass: optimization and equilibrium studies, International,Journal, 2019-06-25, 2019-06, 16,3625-3636.

G.Sharmila, C. Muthukumaran, E.Suriya et al. , Ultrasound aided extraction of yellow pigment from Tecoma castanifolia floral petals: Optimization by response surface method and evaluation of the antioxidant activity, International,Journal, 2019-06-25, 2019-04, 130,467-477.

S. Muthusamy, L.Manickam, V.Murugesan et al., Pectin extraction from *Helianthus annuus*(sunflower) heads using RSM and ANN modelling by a genetic algorithm approach, *International,Journal*, 2019-06-25, 2019-03, 124,750-758.

R.K.Elango, K. Sathiasivan,C.Muthukumar et al., Transesterification of castor oil for biodiesel production: Process optimization and characterization, *International,Journal*, 2019-06-25, 2019-03, 145,1162-1168.

G.Sharmila, M.Thirumarimurugan, C. Muthukumar. , Green synthesis of ZnO nanoparticles using *Tecoma castanifolia* leaf extract: Characterization and evaluation of its antioxidant, bactericidal and anticancer activities, *International,Journal*, 2019-06-25, 2019-03, 145 ,578-587.

G.Sharmila, C. Muthukumar, K. Sandiya et al. , Biosynthesis, characterization, and antibacterial activity of zinc oxide nanoparticles derived from *Bauhinia tomentosa* leaf extract, *International,Journal*, 2019-06-25, 2019-09, 8 & 3,293–299.

G.Sharmila, R.Sakthi Pradeep, K.Sandiya et al. , Biogenic synthesis of CuO nanoparticles using *Bauhinia tomentosa* leaves extract: Characterization and its antibacterial application, *International,Journal*, 2019-06-25, 2019-08, 1165,288-292.

C.Muthukumar, B.R.Kanmani, G.Sharmila et al. , Carboxymethylation of pectin: Optimization, characterization and in-vitro drug release studies, *International,Journal*, 2019-06-25, 2019-08, 194,311-318.

PHYSICS

Anju Anna Jacob, SR Meher, K Shambavi, ZC Alex, Synthesis of ZnCd_xO Nanoparticles by Co-Precipitation: Structural, Optical and Photodetection Analysis, *International,Journal*, 2019-07-03, 2018-04, 17 & 02,1760015-1760019.

S Narasimman, SR Meher, R Sivacoumar, Elizabeth Rufus, ZC Alex, Wavelength Dependent Ammonia Sensing Characteristics of SnO₂ based Fiber Optic Sensor, *International,Proceedings*, 2019-07-03, 2018-09, 360 & 1,012055-012058.

Anju Anna Jacob, SR Meher, R Sivacoumar, K Shambavi, ZC Alex, Ammonia, acetone and ethanol gas sensing characteristics of CuO thin films grown by sputtering, *International,Proceedings*, 2019-07-03, 2018-09, 360 & 1,12062-012065.

S Narasimman, Kiran Mahararana, SK Kokila, ZC Alex,), *International,Journal*, 2019-07-03, 2018-09, 5 & 11,115014-115018.

S Narasimman, K Harish Babu, SR Meher, R Sivacoumar, ZC Alex, *International,Proceedings*, 2019-07-03, 2019-01, 9 & 2,164-174.

S. Anbu Chudar Azhagan, V.S Kathiravan, N. Sathiya Priya, Crystallization, habit modification and control of nucleation of glycine polymorphs from aqueous solutions doped with magnesium sulfate impurity, International,Journal, 2019-07-03, 2018-09, 36 & 3,483-493.

MK Satheeskumar, E Ranjith Kumar, Ch Srinivas, N Suriyanarayanan, M Deepty, CL Prajapat, TV Chandrasekhar Rao, DL Sastry, Study of structural, morphological and magnetic properties of Ag substituted cobalt ferrite nanoparticles prepared by honey assisted combustion method and evaluation of their ..., International,Journal, 2019-07-03, 2019-01, 469,691-697.

CHEMISTRY

Shyamala,V Satheeskumar, Immobilization of heavy metals in textile waste contaminated soil, International,Proceedings, 2019-07-03, 2019-03, 0,73 to 76.