



Department of Civil Engineering

2019- till date

Sl. No.	Year	Title	Authors	Journal	DOI
1	2019	Comparative Study On Air Contaminants Discharged From Several Industrial Stacks Operated From Various Forms Of Fuels	Karthick J, Samuel Devadoss R	Disaster Advances	-
2	2019	Response Of Tall Structures Subjected To Constant And Varying Wind Velocity	Shalini R Nair, Dr. Jessy Rooby, Dr. T.S. Parvati, Dr. P.S. Joanna	International Journal of Civil Engineering and Technology (IJCIET)	https://iaeme.com/Home/issue/IJCIET?Volume=10&Issue=12
3	2019	Strength Properties Of Tyre Rubber Concrete	Sulagno Banerjee, Jessy Rooby	International Journal of Recent Technology and Engineering (IJRTE)	-
4	2019	Strength And Ductility Of Tyre Rubber Concrete Columns	Sulagno Banerjee, Jessy Rooby	International Journal of Recent Technology and Engineering (IJRTE)	http://dx.doi.org/10.35940/ijrte.C3889.118419
5	2019	Behavior Of Columns Made From Concrete Content Waste Rubber As Aggregate Replacement	Sulagno Banerjee, Aritra Mandal, Jessy Rooby	Journal of Engineering and Applied Sciences	https://dx.doi.org/10.36478/jeasci.2019.3430.3433

6	2019	Strength Of Geopolymer Paste Using A Ternary Blend Of Fly Ash GGBFS And Silica Fume Under Ambient Conditions	Ravi Kumar P, Abhinav Bhandari, Tika Devi Rai, Jessy Rooby, Sundararajan T	International Journal of Innovative Technology and Exploring Engineering (IJITEE)	https://dx.doi.org/10.35940/ijitee.K2156.0981119
7	2019	Behavior Of Beams Made From Concrete Content Waste Rubber As Aggregate Replacement	Aritra Mandal, Sulagno Banerjee, Dr. Jessy Rooby	International Journal of Civil Engineering and Technology (IJCIET)	-
8	2019	Investigational Study On Eco And Energy Friendly Infrastructural Materi	V.Prabhu, Jessy Rooby, A.Rajaraman	Journal of Green Engineering (JGE)	-
9	2019	Experimental Investigation On Concrete Using Flyash As A Partial Replacement For Cement With Grey Water In Magnetic Field	E. Prabakaran, Jessy Rooby	International Journal of Recent Technology and Engineering	-
10	2019	Limited Environmental Impact (Air Pollution) Evaluation For A Tamilnadu Port, India	Karthick J, Natesan R, Samuel Devadoss R and Shanaz Fathima	Ecology, Environment and Conservation Journal	-
11	2019	Development Of Modified Recycled Aggregate For The Production Of Sustainable Concrete	M. Siva, Joel Vianneys	International Journal of Recent Technology and Engineering	http://dx.doi.org/10.35940/ijrte.C6446.098319
12	2019	Performance Of Sustainable Nano Concrete	Joanna. P.S, Christopher Daniel Raj. R, Namitha Jacob, Sajil Johnson, Parvati. T.S	International Journal of Engineering and Advanced Technology	http://dx.doi.org/10.35940/ijeat.B4217.129219
13	2019	Overview On L9 Taguchi Optimizational Method	Sabarish K.V, J.Baskar, Pratheeba Paul	International Journal Of Advanced Research In	-

				Engineering And Technology	
14	2019	Application Of Neural Network For Prediction Of Compressive Strength Of Silica Fume Concrete	Joe Paulson A., Angeline Prabhavathy R., Shobha Rekh And Evelyn Brindha	International Journal Of Civil Engineering And Technology	-
15	2019	Photocatalytic recovery of H ₂ from H ₂ S containing wastewater: Surface and interface control of photo-excited in Cu ₂ S@TiO ₂ core-shell nanostructures	V.Navakoteswara Rao N.Lakshmana Reddy M.Mamatha Kumari P.Ravi, M.Sathish K.M.Kuruville V.Preethi, Kakarl RaghavaReddy Nagaraj P.Shettie, Tejjraj M.Aminabhavi M.V.Shankara	Applied Catalysis B: Environmental	https://doi.org/10.1016/j.apcatb.2019.04.090
16	2020	Experimental Study And Numerical Modelling On The Behaviour Of Built-Up Cold-Formed Steel Beams With Diagonal Web Bars	J. Samuel, P.S. Joanna	International Journal of Scientific and Technology Research	-
17	2020	Investigational Assessment On Gaseous Stack Emissions From Liquid Form Of Fuels Under Various Loading Conditions	J. KARTHICK, R. SAMUEL DEVADOSS, S. SHARMILA AND R. NATESAN	Pollution Research	-
18	2020	Effect Of High Volume Fly Ash Concrete In Self-Curing Engineered Cementitious Composite (Ecc)	Yoganantham C, Joanna P.S.	International Journal of Advanced Research in Engineering and Technology	-

19	2020	Strain Rate Effect On Progressive Failure And Tensile Behavior Of Kevlar Epoxy Composites	C. Ganesan, P.S. Joanna, Dalbir Singh	International Journal of Vehicle Structures and Systems	https://doi.org/10.4273/ijvss.12.4.12
20	2020	Quasi-Static Cyclic Load Performance Of Encased Concrete-Filled Steel Tubular With Steel Loops Joint Using Sustainable Concrete	P. S. Aravind Raj, R. Divahar, S. P. Sangeetha & P. S. Joanna	Asian Journal of Civil Engineering	https://doi.org/10.1007/s42107-020-00274-8
21	2020	Assessment Of Meteorological Parameters For Flat Terrain Condition By Using AERMET, A Pre-Processor Dispersion Model	Karthick J, Samuel Devadoss R., Sharmila S. and Karthikeyan S.	Research Journal of Chemistry and Environment	-
22	2020	A Study On Conjunctive Use Of Green And Blue Water In Deevanur Tank Irrigated Area	V. T. Neelmudiyon, Dr. V. Preethi, Dr. S. Govindarajan	International Journal of Advanced Research in Engineering and Technology	-
23	2020	Ductility Of Tyre Rubber Concrete Columns	Sulagno Banerjee, Dr Jessy Rooby	International Journal of Advanced Research in Engineering and Technology (IJARET)	https://doi.org/10.34218/IJA RET.11.5.2020.053
24	2020	Mechanical Properties Of High Calcium Flyash-GGBFS Geopolymer Paste, Mortar And The Effect Of Glass Fibre Mesh On The Strength Of Geopolymer Mortar Tile	Ravikumar P, Abhinav Bhandari, Joshua Paul Verghese, Abhilesh N Jain, Tika Devi Rai, JessyRooby, Sundararajan T	International Journal of Innovative Technology and Exploring Engineering (IJITEE)	https://dx.doi.org/10.35940/ijitee.F3955.049620
25	2020	Experimental Study On Manufacturing Of Bricks Using E-Waste For Green Environment	S.Sharmila, T.S.Parvati	Journal of Green Engineering (JGE)	-

2	2020	Development Of Road Congestion Index Based On Comprehensive Parameters	Pratheeba Paul, Geetanjali Chandam, Yanchen Oinam	International Journal Of Innovative Technology And Exploring Engineering	http://dx.doi.org/10.35940/ijitee.I7056.079920
27	2020	Behaviour Of Reinforced Concrete Beams With Opening In The Flexural Zone Strengthened Using Steel Plates	Branesh Robert J, Angeline Prabhavathy R, Joanna P.S	Journal of Xi'an Shiyu University, Natural Sciences Edition	-
28	2020	A Computer Aided Inventory Management And Scheduling	Sushmitha, Christopher Danielraj. R	Journal of critical reviews	-
29	2020	Performance of Square and Trapezoidal photoreactors for solar hydrogen recovery from various industrial sulphide wastewater using CNT/Ce ³⁺ doped TiO ₂	M.Anthony Raja, V.Preethi	International Journal Of Hydrogen Energy	https://doi.org/10.1016/j.ijhydene.2019.09.168
30	2020	Photocatalytic hydrogen production using benchscale trapezoidal photocatalytic reactor	M. Anthony Raja, V. Preethi	International Journal Of Hydrogen Energy	https://doi.org/10.1016/j.ijhydene.2019.08.204
31	2020	Enhancing biohydrogen production from sugar industry wastewater using metal oxide/graphene nanocomposite catalysts in microbial electrolysis cell	Tamilmani Jayabalan, ManickamMatheswaran, V.Preethi, Samsudeen Naina Mohameda	International Journal Of Hydrogen Energy	https://doi.org/10.1016/j.ijhydene.2019.09.068
32	2020	Predicting the combustion behaviour of compression ignition engine fuelled with	Hariram Venkatesan, Godwin John John Rose, Preethi	Environmental Science And Pollution Research	https://doi.org/10.1007/s11356-020-10048-z

		biodiesel from <i>Stoechospermum marginatum</i> , a macro algae	Vijayarengan, Seralathan Sivamani, Jagannathan Krishnan & Micha Premkumar Thomai		
33	2020	Biomass activated carbon-decorated spherical β -Ni(OH) ₂ nanoparticles for enhanced hydrogen production from sulphide wastewater	Sankar Sekar , Sejoon Lee, Deuk Young Kim, V. Preethi c,K.M. Kalirajan, S. Sutha,S. Saravanan, Anirudh Therli, Mahuya Roy, K. Jagannathan	Journal Of Water Process Engineering	https://doi.org/10.1016/j.jwpe.2020.101669
34	2020	Experimental, analytical and numerical studies on concrete encased trapezoidally web profiled cold-formed steel beams by varying depth-thickness ratio	Divahar RAVI, Aravind Raj PONSUBBIAH, Sangeetha Sreekumar PRABHA, Joanna Philip SARATHA	Frontiers Of Structural And Civil Engineering	https://doi.org/10.1007/s11709-020-0652-1
35	2020	Upcycling of Wastewater via Effective Photocatalytic Hydrogen Production Using MnO ₂ Nanoparticles—Decorated Activated Carbon Nanoflakes	Sankar Sekar, Sejoon Lee, Preethi Vijayarengan , Kaliyappan Mohan Kalirajan , Thirumavalavan Santhakumar, Saravanan Sekar and Sutha Sadhasivam	Nanomaterials	https://doi.org/10.3390/nano10081610
36	2021	Flexural Behaviour Of Pultruded GFRP Beams Infilled With HVFA ECC	Yoganantham , P.S Joanna	Journal of Green Engineering	-
37	2021	Seismic Behaviour Of Building With GFRP Frames Infilled With Sustainable ECC	C.Yoganantham, Karthikeyan K, P.S. Joanna	Journal of Green Engineering	-

38	2021	Gram-scale synthesis of ZnS/NiO core-shell hierarchical nanostructures and their enhanced H ₂ production in crude glycerol and sulphide wastewater	Vempuluru Navakoteswara Rao, Vijayarengan Preethi	Environmental Research	https://doi.org/10.1016/j.enres.2021.111323
39	2021	Flexural Behaviour of RC Beams with a Circular Opening at the Flexural Zone and Shear Zone Strengthened Using Steel Plates	J. Branesh Robert , Angeline Prabhavathy ,P. S. Joanna	Advances In Civil Engineering	https://doi.org/10.1155/2021/6733402
40	2021	Utilizing 2D materials to enhance H ₂ generation efficiency via photocatalytic reforming industrial and solid waste	Sujana Chandrappa, Dharmapura H.K. Murthy, Nagappagari Lakshmana Reddy, S. Jagadeesh Babu, Dinesh Rangappa, Urupalli Bhargav, Vijayarengan Preethi	Environmental Research	https://doi.org/10.1016/j.enres.2021.111239
41	2021	Influence of groundwater quality on human health and its suitability for drinking and irrigation uses: a review	Gopinath Rajendran, Jessy Rooby & Venkatesan Govindan	International Journal Of Environmental Analytical Chemistry	http://dx.doi.org/10.1080/03067319.2021.1982922
42	2022	IDENTIFICATION OF CALCIUM CARBONATE PRODUCING NOVEL Bacillus Cereus KOV15 ISOLATED FROM SOIL MICROBIAL COMMUNITIES TOWARDS GREENER	K. SHANMUGAM, P. ANGELINE, V. PREETHI	Oxidation Communications	-

		CONSTRUCTION MATERIALS			
43	2022	Minimum Weight Design Of Transversely Stiffened Plate Girder Using Genetic Algorithm	Priya A Jacob, R Mercy Shanthi, S Justin, Daniel C	Civil Engineering and Architecture	https://doi.org/10.13189/cea.2022.100401
44	2022	Excellent photocatalytic performances of Co3O4-AC nanocomposites for H2 production via wastewater splitting	Sankar Sekar, V. Preethi, S. Saravanan, Deuk Young Kim, Sejoon Lee	Chemosphere	https://doi.org/10.1016/j.chemosphere.2021.131823
45	2022	Nitrogen-doped cobalt sulfide as an efficient electrocatalyst for hydrogen evolution reaction in alkaline and acidic media	Abu Talha Aqueel Ahmed, Sankar Sekar, Sejoon Lee, Hyunsik Im, V. Preethi, Abu Saad Ansari	International Journal Of Hydrogen Energy	https://doi.org/10.1016/j.ijhydene.2022.04.076
46	2022	Graphitic carbon nitride encapsulated sonochemically synthesized b-nickel hydroxide nanocomposites for electrocatalytic hydrogen generation	S. Brindha Devi, Sankar Sekar, K. Kowsuki, T. Maiyalagan, V. Preethi, R. Nirmala, Sejoon Lee, R. Navamathavan	International Journal Of Hydrogen Energy	https://doi.org/10.1016/j.ijhydene.2022.04.072
47	2022	Highly-efficient photocatalytic activity of TiO2-AC nanocomposites for hydrogen production from sulphide wastewater	Sankar Sekar, V. Preethi, V.S. Srivishnu, S. Saravanan, Sejoon Lee	International Journal Of Hydrogen Energy	Highly-efficient photocatalytic activity of TiO2-AC nanocomposites for hydrogen production from sulphide wastewater - ScienceDirect
48	2022	Solar hydrogen production in India	V. Preethi	Environment, Development And Sustainability	https://doi.org/10.1007/s10668-022-02157-1

49	2022	Influence on the Flexural Behaviour of High-Volume Fly-Ash-Based Concrete Slab Reinforced with Sustainable Glass-Fibre-Reinforced Polymer Sheets	Chinnasamy Samy Madan, Krithika Panchapakesan , Potlapalli Venkata Anil Reddy , Philip Saratha Joanna, Jessy Rooby, Beulah Gnana Ananthi Gurupatham and Krishanu Roy	Journal Of Composites Science	https://doi.org/10.3390/jcs6060169
50	2022	Comparison of the Flexural Behavior of High-Volume Fly AshBased Concrete Slab Reinforced with GFRP Bars and Steel Bars	Chinnasamy Samy Madan, Swetha Munuswamy, Philip Saratha Joanna , Beulah Gnana Ananthi Gurupatham and Krishanu Roy	Journal Of Composites Science	https://doi.org/10.3390/jcs6060157