

**VELAMMAL COLLEGE OF ENGINEERING AND TECHNOLOGY  
MADURAI**

**Published research papers in the Journals during the last five years**

**Department of Civil Engineering**

<b>S.No</b>	<b>Title of the Paper</b>	<b>Name of the Author's</b>	<b>Name of the Journal</b>	<b>Year of Publication</b>
1.	Studies on impact of copper slag as fine aggregate replacement in Concrete pavement	Dr. L.Andal Prof & Head & Mr.A.V.Deepan Chakravarthi AP- III	International journal of Applied engineering research	July 2015
2.	Durability of concrete pavement with partial replacement of fine aggregate by copper slag	Dr. L.Andal Prof & Head & Mr.A.V.Deepan Chakravarthi AP- III	International journal of Applied engineering research	September 2015
3.	Landslide Hazard zonation mapping using geo Spatial technology in Bodimettu hills, Theni District, Tamilnadu	Dr.T.Naveen Raj AP- III	International journal of Earth Sciences and Engineering	November 2015
4.	Comparative study between the deflection of prism in Polypropylene fibre reinforced high strength concrete both in theoretical and analytical	Mr.M.Sathish Kumar AP- III	International journal of Research in Engineering and Technology	Vol.5., Issue.1, Jan 2016
5.	Ground Water Quality Assessment using Geo Spatial Technology in Part of Lower Vaigai Basin, Madurai District, Tamil Nadu	Dr.T.Naveen Raj AP- III	International Research Journal of Engineering and Technology	Vol.3., Issue.1, Jan 2016
6.	Land slide susceptibility mapping using weights of evidence method in Coonor watershed, Nilgiris district, Tamil Nadu, India	Dr.T.Naveen Raj AP- III	International Research Journal of Engineering and Technology (IRJET)	April 2018
7.	Impact Assessment of Check Dams at Melakkal and Kochadai using Remote Sensing and GIS in Madurai	Dr.T.Naveen Raj AP- III	International Research Journal of Engineering and Technology (IRJET)	April 2018

	District, Tamilnadu, India			
8.	Spatial analysis of water quality assessment using remote sensing and GIS in a part of lower Vaigai basin	Dr.T.Naveen Raj AP- III	International Research Journal of Engineering and Technology (IRJET)	April 2018
9.	Statistical approach of landslide investigation using Remote sensing in Coonor Watershed, Nilgiris District, TamilNadu, India.	Dr.T.Naveen Raj AP- III	International Journal of Recent Research Aspects (IJRAA)	Special Issue, pg : 802-807, April 2018
10.	Strength and toughness response of high strength concrete beams reinforced with polypropylene and steel fibres	Mr.M.Sathish Kumar AP- III	Journal of the Balkan Tribological Association	Book 3, vol. 25, pp. 793 – 804 (2019)
11.	Image Processing in Plant Diseases detection	Mr.A.V.Deepan Chakravarthi AP-III	International Journal of Engineering in Computer Science	June 2019
12.	An Experimental Investigation on Properties of Concrete by the Addition of Polypropylene Fiber	Mrs.S.Venkada Priya AP-III	International Research Journal of Engineering and Technology (IRJET)	Vol:6, Issue11; November 2019
13.	The Comparative Study of On-site Bio-Composting and Natural Composting of Organic Solid Waste in Higher Education Institution	Ms.R.Rajapriya AP-III	International Research Journal of Engineering and Technology (IRJET)	Vol:6, Issue10; October 2019
14.	Case Study on Traffic Control in Signals from Periyar bus stand to Thepakulam – Madurai	Ms.S.U.Anumeena AP-III	International Research Journal of Engineering and Technology (IRJET)	Vol:6, Issue10; October 2019
15.	Sustainable Light weight green concrete blocks fabricated using disparate foaming agents	Dr. L.Andal Prof & Head	International Journal of New Innovations in Engineering and Technology	Volume 13 Issue 4 May 2020 Page No. 23-28 ISSN: 2319- 6319
16.	Experimental Study of Light Weight Concrete using Perlite	Mrs.J.P.Annie Sweetlin Jebarani Associate Professor	International Research Journal of Engineering and Technology (IRJET)	Vol.7, Issue 5, May 2020
17.	Influence of Surface Roughness on Interfacial shear strength of Glass Fibre Reinforced Polymer and Abrasive Confined steel with sandy soils	Mrs.J.P.Annie Sweetlin Jebarani Associate Professor	Tierärztliche Praxis	Vol 40, 2020
18.	Performance of Steel Pile Wrapped With Bidirectional GFRP	Mrs.J.P.Annie Sweetlin Jebarani Associate Professor	International Research Journal of Engineering and Technology (IRJET)	Vol.7, Issue 7, July 2020
19.	Implementation of smart trash bins based on IoT in smart city – Case Study in Madurai City	Dr.T.Naveen Raj AP- III	International Journal of New Innovations in Engineering and Technology	Vol 14, issue 1, June 2020

20.	Effect of Mortar Thickness on Compressive Strength of Solid Block Masonry Prisms Prototyped Using Granite Dust and M-Sand	Mr.A.V.Deepan Chakravarthi AP-III	International Journal of Recent Engineering Science (IJRES)	Volume 7 Issue 3 May - June 2020
21.	Experimental Investigation of Fly Ash Based Solid Block Masonry Prims by Using M-Sand as Partial Replacement of Fine Aggregate	Mr.A.V.Deepan Chakravarthi AP-III	International Journal of Recent Engineering Science (IJRES)	Volume 7 Issue 3 May - June 2020
22.	Strength And Durability of Concrete Block By Partial Replacement of Cement With Granite Dust And Fine Aggregate With M-Sand	Mr.A.V.Deepan Chakravarthi AP-III	International Journal of Recent Engineering Science (IJRES)	Volume 7 Issue 3 May - June 2020
23.	Evaluation of Workability and Strength of Fly Ash Based Solid Block Using M-Sand as Replacement of Fine Aggregate	Mr.A.V.Deepan Chakravarthi AP-III	International Journal of Recent Engineering Science (IJRES)	Volume 7 Issue 3 May - June 2020
24.	Cellular Light Weight Concrete Blocks using Different Types of Foaming Agent	Mr.M.Sathish Kumar AP- III	International Research Journal of Engineering and Technology (IRJET)	Volume:07 Issue: 05/May 2020
25.	Manufacturing of Fly Ash Brick and Finding the Optimal Mix of Materials with Replacement of Cement by Lime Sludge and Gypsum	Mr.M.Sathish Kumar AP- III	International Research Journal of Engineering and Technology (IRJET)	Volume:07 Issue: 06/June 2020
26.	Experimental Investigation on behaviour of Flyash based Geopolymer mortar at elevated Temperature	Mr.M.Sathish Kumar AP- III	International Research Journal of Engineering and Technology (IRJET)	Vol.7, Issue 5, May 2020
27.	Behaviour of Pervious Concrete by repalcement of Coarse aggregate with Ceramic Waste	Mr.M.Sathyanarayanan AP- III	International Research Journal of Engineering and Technology (IRJET)	Vol.7, Issue 5, May 2020
28.	An Effect of basalt and steel fibres on the mechanical properties of Concrete	Mrs.S.Venkada Priya AP-III	International Research Journal of Engineering and Technology (IRJET)	Vol.7, Issue 4, April 2020
29.	An Experimental Investigation on Properties of Concrete by the addition of Fly ash	Mrs.S.Venkada Priya AP-III	International Research Journal of Engineering and Technology (IRJET)	Vol.7, Issue 9, September 2020
30.	Biomedical Waste Management in Hospitals – A Case Study of Madurai, India	Ms.R.Rajapriya AP-III	International Journal of Innovative Research in Science, Engineering and Technology (IJIRSET)	January 2020
31.	Sequels of Adding Bulking agents on the aerobic Bio-drying process of Municipal Solid waste	Ms.R.Rajapriya AP-III	International Journal of Recent Engineering Science (IJRES)	Vol 7, issue – 2, March – April 2020
32.	Analysis of Physiochemical	Ms.S.U.Anumeena	International Journal of	Issue No. 2456-

	parameters to Evaluate the Drinking Water Quality in Winter and Summer Season in Vanjipatti village in Tamilnadu	AP-III	Innovative Science and Research Technology (IJISRT)	2165
33.	An Experimental Investigation on Compression Strength of partially replaced concrete with shredded PET bottles as Coarse Aggregate	Mrs.S.Venkada Priya AP-III	International Research Journal of Engineering and Technology (IRJET)	Vol.8, Issue 4, April 2021
34.	SARS-COV-2 in Domestic Wastewater: A Treatment Facility	Ms.R.Rajapriya AP-III	International Journal of Recent Engineering Science (IJRES)	Vol 8, Issue – 1, Jan-Feb 2021
35.	Upshots of Bioswales in Stormwater Management: A Pilot-scale Study	Ms.R.Rajapriya AP-III	International Journal of Advances in Engineering and Management (IJAEM)	Vol 3, Issue – 5, May 2021
36.	Study on the Mechanical Properties of Concrete Using Crumbled Rubber and Coastal Debris	Ms.S.U.Anumeena AP-III	International Journal of Civil, Structural, Environmental and Infrastructure Engineering Research and Development (Scopus Indexed Journal)	30.06.2021, Volume 11-1