

## **Department of Civil Engineering:**

### 1. Journal Publication:

Dr.A.Jebamalar, "Effect Of Subsurface Development On Groundwater Regime Of An Urban Aquifer - A Review Paper", "International Journal Of Scientific & Engineering Research", Volume 8, Issue 6, June-2017.

Dr.J.MonslinSugirtha Singh, "Analysis Of Smart Composite Material Structures", "International Journal Of Scientific & Engineering Research", Volume 8, Issue 6, ISSN 2229-5518, June-2017

Dr.J.MonslinSugirtha Singh, "Nonlinear Analysis Of Composite Plates And Shells Subjected To In-Plane Loading", "International Journal Of Scientific & Engineering Research", ISSN 2229-5518, Volume 8, Issue 6, June-2017

Dr.J.MonslinSugirtha Singh, "Thermally Stressed Vibration Of Composite Plates and Shells", "International Journal Of Scientific & Engineering Research", ISSN 2229-5518, Volume 8, Issue 6, June-2017.

Dr.R.Sudharsanan, "Hydrologic Analysis In A Region With Cascade Of Hydropower Plants- A Review Paper", "International Journal Of Scientific & Engineering Research", ISSN 2229-5518 Volume 8, Issue 6, June-2017.

Mr.S.Sampath Kumar, "Smart Storm water Drainage", "International Journal Of Scientific & Engineering Research", ISSN 2229-5518, Volume 8, Issue 6, June-2017.

Mr.S.Aravind, "Optimization Of Resource Usage Among Precast And The Conventional Construction Techniques", "International Journal Of Scientific & Engineering Research", ISSN 2229-5518, Volume 8, Issue 6, June-2017.

Dr.R.Ganesan, "Degradation Of Reactive Dyes In Textile Dyeing Effluent By Fenton And Electro Fenton Processes", "International Journal Of Ecology, Environment And Conservation" Issue 4, ISSN: 0971-765X, Aug 2018.

Mr.B.Jeyanth, "Enhancement of corrosion Resistant characteristics of rebar using natural organic inhibitors", "IOSR Journal of Engineering", Vol 1, Pg 102 – 106, ISSN – 2278-8719, Mar 2019

Ms.K.Reya George, "Reclamation of natural water bodies using biological method", "International research Journal of Engineering & Technology", Vol 6, issue 4, April 2019

Mr.T.A.RajhaRajeswaran, "Combining traditional construction materials in its modern forms SCC & WWF", "Key engineering Materials", Vol 803, pp 294-301, May 2019

Dr.A.Jebamalar, "Ground Water Recharge Estimation: A Case Study in Chennai city", "Journal of Water Resources & Pollution Studies" e-ISSN: 2581-5326, Volume 4, Issue 3, page 6-14, Aug 2019

Dr.R.Sudharsanan, "Hydrological Study of Tanks in an Urban Sub-Basin", "Journal of Water Resources & Pollution Studies", e-ISSN: 2581-5326 Volume 4 Issue 3page 6-14, Aug 2019.

Mr.KRajendran, "Experimental study on lightweight fly ash aggregate concrete", "International Journal Of Innovative Research In Technology", Volume 6, Issue 5, ISSN: 2349-6002, Oct 2019.

Mr.B.Jeyanth & Mr.M.ThillaiBackiam, "Effect of Moisture Content on Shear Strength of the Stabilized Soil", "International Journal of Engineering Research & Technology", ISSN: 2278-0181, ,Vol. 8, Issue 12, Dec -2019

Mr.S.Gopinath, "Onset variation of North East Monsoon and Successive Rainfall over Tamilnadu", "TEST Engineering & Management", ISSN 0913-4120, Page 14898-14901, Jan 2020

Ms.K.Reya George & Ms.R.Ezhilarasi, "Study Of Behaviour Of Expansive Soil Using Gypsum And Shredded Plastic", "International Research Journal Of Engineering And Technology", Vol 7, Issue 05, May 2020.

Ms.K.Reya George & Ms.R.Ezhilarasi, "Experimental Investigation On Self Compacting Concrete By Replacing Industrial Waste Materials", "International Journal Of Engineering Research And Technology", ISSN: 2278-0153, Vol 9, Issue 05, May 2020.

D. Prasanya, G. Rajasekar & S. Gopinath., "Study on Corrosion Resistant In Geopolymer Concrete by Incorporating Various Admixtures", "International Journal Of Engineering Research And Development", Volume 16, Issue 6, PP. 56-62, June 2020

Dr.R.Sudharsanan, "Performance of SSSMT Heat Exchanger with Engine Waste Heat as Source for Distillation Process", "Interiencia Journal", Volume.45, No.5, pp 1-20, 2020.

Dr. R. Sudharsanan & G.Rajasekar, "Effect of Cementitious Materials on SCC", "Journal of Ceramics and Concrete Sciences", Volume 5, Issue 2, pp 21-25, May-August, 2020.

Dr.R.Sudharsanan, "Effect of Steel Chequered Plate on Deflection behavior of a composite Beam", "Journal of Critical Reviews", Volume.7, Issue No.19, pp 3711- 3719, August 2020.

Mr.P.Prabhakaran, "Coir Pith Tiles", "International Research Journal Of Modernization In Engineering Technology And Science", Volume 2, Issue 9, September 2020.

Dr. R. Sudharsanan, S.Gopinath & G.Rajasekar, "Experimental Study on Walnut Shell Aggregate on FRC", "Journal of Ceramics and Concrete Sciences", Volume 6, Issue 1, page 1-8, January-April, 2021.

Dr.R.Sudharsanan, "Investigation of multiple flood mitigation strategies for an urban catchment using semi-distributed hydrological modelling", "Arabian Journal of Geosciences", Arab J Geosci 14, 1423, July 2021.

## 2. MOU

S. No.	Name of the Industry with Details	Date which signed on MoU	Scope of the MoU	Validity Period
1.	ByBiTech	21st Jun 2016	Training for BIM and Placement Support	20th Jun 2019
2.	CADD CAMM Solutions	30th Apr 2018	Training for BIM and Placement Support	29th Apr 2021
3.	CADD Centre Ambattur	10th Apr 2019	Value Added Courses fro CADD	10th Apr 2022
4.	NHAI - National Highways Authority of India	6th Oct, 2020	Internship Field Research	5th Oct 2023
5.	CMTI Construction Management Training Institute	15th Apr 2021	Skills Training	14th Apr 2026
6.	VIKI Industries Private Limited ( iSteel )	8th Sep 2021	Training Research	7th Sep 2021

## 3. Patent

S.NO	Title of the Patent	Application Number	Filing Date	Status
1	Treated DesmostachyaBipinnata fiber reinforced Concrete	201941053372	23/12/2019	Published on 3/1/2020
2	Treated and Compressed DesmostachyaBipinnata integrated Concrete wall panel	201941053373	23/12/2019	Published on 3/1/2020
3	Alkali Activated Clay based building blocks with DesmostachyaBipinnata as addition	201941053383	23/12/2019	Published on 3/1/2020

#### 4. Funded research projects

S. No	Title of the Project	File Number	Investigators	Sanctioned on	Funding Agency	Amount Sanctioned	Project period
1	Design of floating forms over a Reservoir	NA	Dr. Sudharsanan R.	2018-19	TNSCST	7,500	3 Months
2	Self-contained Bio-filter for Water Treatment	NA	Dr. Sudharsanan R.	2019-20	TNSCST	7,500	3 Months
3	FDP on Curriculum for Sustainability	NA	T. RajhaRajeswaran A.	2020-21	AICTE & ISTE	2,39,000	1 Year
4	Self-locking Fibre Reinforced Building Blocks and Panels	NA	Dr. Sudharsanan R.	2020-21	IEDC	2,50,000	1 Year
5	Natural Coagulant for Sedimentation Tank in Water Treatment Plant	NA	M. ThillaiBackiam	2020-21	IEDC	2,50,000	1 Year

#### 5. Consultancy work

S. No.	Name of the Company	Work Title	Sanctioned on	Amount Received	Project period
1	Unikans Hayagriva Engineers &	Testing of Concrete	NA	29,400	2017 - 18
2		Testing of Concrete	NA	11,400	2018 - 19
3		Testing of Concrete	NA	10,800	2019 - 20
4		Testing of Concrete	NA	27,250	2020 - 21