

**ACADEMIC RESEARCH**

**FACULTY PUBLICATION:**

**INTERNATIONAL JOURNAL**

**2015-2016**

Name of the Faculty	Topic	International Journal
<b>2012-2013</b>		
N.S.Elangovan R. Padmanaban, M. Dharmendra Kumar, P.B. Sakthivel, N.S. Elangovan(april 2013)	A case study on Chemical properties of Ground water in Madurai District	International Journal of Engineering and Advanced Technologies, Vol.2,No:4,pp:715-718
<b>2013-2014</b>		
N.S.Elangovan and M.Dharmendirakumar	,"Assessment Of Groundwater Quality Along The Cooum River, Chennai, Tamil Nadu, India",	Hindawi Publishing Corporation Journal of chemistry Volume 2013 Article ID 672372.
<b>2014-2015</b>		
K.Kaviya, Dr.M.Ramalingam.,( may 2014)	"Estimation Of Surface Runoff Using Soil And Water Assessment Tool (SWAT)",	Journal of Applied Mechanics and Materials, published online volume 622, pp 89-96.
S.Aruna, M.Ramalingam., et.al (2014)	"Assessment of nutrient load in Madurantagam Lake, Tamil Nadu, India – A geospatial modelling"	International Journal of Earth Sciences and Engineering, Volume7,no 2, pp 636-643.
G.Gopinath, Ramalingam.M., et.al (2014)	Indian Impact of the 2004 Ocean tsunami along the Tamil Nadu coastline: field survey review and numerical simulations",	Journal of Natural Hazards, volume 72, issue 2, pp 743-769
Balaraman R. and Anne Ligoria S.	Utilization of Cupola Slag in Concrete as Fine and Coarse Aggregate'	International Journal of Civil Engineering and Technology Vol. 6, No. 8,pp 6-14 issn 0976 – 6316 (2015)

N.S.Elangovan , Lavanya,V. And Arunthathi, S (2014)	,”Removal Of Chromium From Groudwater Using Neem Leaves As Adsorbent”,	International Journal Environmental Research, 9(2) ISSN: 1735-6865
N.S.Elangovan & K.Venkatalakshmi	A study on Heat Reduction Energy Efficiency Eeasures Through Sustainable Initiatives	International Journal of Applied Engineering Research Vol.10,No.8 21540-21548 issn 0973-4562(2015)
V.Gowri, V.Lavanya, K.Kavya	Equilibrium study on adsorptive removal of Cadmium and Nickel by coconut copra meal	International journal of Applied Environmental Sciences Vol.10,No.4 1341-1354 1662-7482 (2015)
<b>2015-2016</b>		
Vani Krishnan,et al.(2015)	“Urban Watershed land degradation/impervious Cover Extraction using Remotesensing and GIS”,	International Journal of Applied Engineering and Research, Vol 10,No.32 pp 24036-24044
Dr.N.S. Elangovan And Venkatalakshmi (2015),	A Study On Heat Reduction Energy Efficiency Measures Through Sustainable Initiatives”,	International Journal of Applied Engineering Research, Volume 10 Number 8 ISSN: 0973-4562
Balaraman R. and Anne Ligorina S. (2015)	Utilization of Cupola Slag in Concrete as Fine and Coarse Aggregate	International Journal of Civil Engineering and Technology, Vol. 6, No. 8,pp. 6-14, ISSN 0976 – 6316. <b>scopus</b>
Dr.Lavanya Vaithyanathan,Salome Solomon, Sunkara Krishna priya (2016),	” A Short Term Study Of Dissolved Oxygen Behavior In Adyar River, Chennai”,	International Journal of Latest Research in Engineering and Technology (IJLRET) ISSN: 2454-5031 Volume 02- Issue 09.
B.Rajkumar(2015)	,”Assessment Of The Significant Factors affecting The Cost Performance In Construction Projects”	International Journal of Applied Engineering Research ISSN 0973-4562 Volume 10, Number 19
<b>2016-2017</b>		
Dr.N.S.Elangovan, Lavanya & S.Arunthathi (2017)	,”Assessment of groundwater contamination in a suburban area of Chennai, Tamil Nadu, India,”	Environment, Development and Sustainability DOI 10.1007/s10668-017-0007-9 ISSN: 1387-585X

R.Balaraman And Dr.N.S. Elangovan (2017)	,”Behaviour Of Cupola Slag On Semi Dense Bituminous Concrete”,	International Journal of Packaging & Allied Sciences, Vol. 5., No.1 FEB 2017 PP -819-830- ISSN: 2320-4387.(SCOPUS)
L.Chris Anto, Dr.N.S.Elangovan,D.Prasannan (2016)	,”Strength Characteristics Of Concrete Containing Metakaolin And Ggbs-A Review”,	International Journal on Applications in Civil and Environmental Engineering. Volume 2 Issue 6 ISSN (online) : 2395-3837
R.Padmanaban,M.Dharmendirakumar, P.B. Sakthivel and N.S.Elangovan	,” A Study To Determine The Suitability Of Ground Water For Irrigation Purposes In Madurai District, Tamil Nadu,	India, Padmanaban et al./ IJAIR Volume 2 Issue 4 ISSN: 2278-7844
Geetha.S.Aishwariya.C (2017),	”Cost Control On Construction With Maximum Usage Of Ecofriendly Materials”,	International Research Journal of Engineering and Technology (IRJET) Volume: 04 Issue: 06. E-ISSN: 2395-0056 p-ISSN: 2395-0072.
Dr.Lavanya,M.Buvaneswari, I.Charanya Ponmani, R.Dhivya, R.Divya I.Charanya Ponmani, R.Dhivya, R.Divya (2017)	,”Defluoridation Of Ground Water Using Various Methods”,	International Journal of Advanced Research in Management, Architecture, Technology and Engineering (IJARMATE) Volume 3, Special issue 13. ISSN:2454-9762
T.Mythili, T.Vidhya, R.Balaraman (2017)	,”Study on Strength characteristics of waste glass powder and Steel Fibre in concrete”,	International Journal of civil Engineering and Technology (IJCIET) Volume 8, Issue 8, ISSN Print: 0976-6308 and ISSN Online: 0976-6316 ( <b>scopus</b> )
R.Balaraman, K.R. Vinodh (2017),	A Practical Application Of Lean Management In Construction Industry”,	International Journal of Modern Trends in Engineering and science (IJMTES), Volume: 04 Issue: 07 ISSN: 2348-3121.
A.Sargunraj, R.Balaraman (2017)	,” Air Pollution And Its Advance Control Treatments”,	IJMTEST/International Journal of Modern Trends in Engineering and Science, Volume: 04 Issue: 07 ISSN: 2348-3121
V.Pavithran, K.R.Vinodh (2017)	,”Effect On Scheduling Due To Occurrences Of Rework In Construction Industry”,	International Journal of science and innovative engineering & Technology, Issue Volume 1. ISBN 978-81-904760-9-6

R.Nithiya, Chirs Anto.L, K.R.Vinoth, Dr.C.Anbalagan (2016)	“Experimental Investigation On Bricks By Using Varoius Waste Materials”,	International Journal of Latest Trends in Engineering and Technology (IJLTET), Volume 6 Issue 3 ISSN: 2278-621X.
S.Beena, Chris Anto.L	,”Developing Effective Scheduling Using Primavera & Genetic Algorithm”,	Journal Of Construction and Building Materials Engineering Volume 3 Issue 2
Swethaa.B and Chris Anto.L (2016),”	Quality Control In Construction Using Six Sigma Technique”,	Journal of Civil Engineering and Environmental Technology, Volume 3, Issue 5 p-ISSN: 2349-8404 e-ISSN: 2349-879X
Chris Anto.L	,”Concreting For Construction- Quality Control By Six Sigma Approach	
Jayalakshmi.M & Nandhini.S (2016)	Structural Investigation of Light Weight Bricks	International Journal of Engineering Science and Computing, Vol.6, No. 3.
Vinodh K.R & Anne Therese	Analysis Of Various Construction Project	International Journal of civil Engineering and technology ,volume 8 Issue : 7 ( <b>scopus</b> )
K.Karuna Devi &S.Arun Kumar and Balaraman R	Study on properties of concrete with electronic based	International Journal of civil Engineering and Technology (IJCIET) Volume 8, Issue 8, ISSN Print: 0976-6308 and ISSN Online: 0976-6316 ( <b>scopus</b> )
Padmapriya ,Balaraman and karthick	Characteristic study of self compacting concrete with ground granulated blast furnace slag	International Journal of civil Engineering and Technology (IJCIET) Volume 7 july – aug 2016-, Issue 4 pp 37-47 , ISSN Print: 0976-6308 and ISSN Online: 0976-6316 ( <b>scopus</b> )
Balaraman, Vinodh K.R,Nithya R,Arun kumar S	COMPARATIVE STUDY ON GEOPOLYMER CONCRETE IN FLY ASH WITH CONVENTIONAL CONCRETE	International Journal of civil Engineering and Technology (IJCIET) Volume 7 july – aug 2016-, Issue 4 pp 24-36 , ISSN Print: 0976-6308 and ISSN Online: 0976-6316 ( <b>scopus</b> )

## INTERNATIONAL CONFERENCE

S. no	Author Name	Title of the Paper/article	Title of conference proceedings	Pg.No	Year of Publication
10	N.S.Elangovan,& S.Nithiya	Real Time Prediction Of Delay Using Gps	”, International Conference on emerging trends in science, engineering & Technology		2017
4	Anne Ligorina S. and Benitta J	Characteristic Studies on Cryo-treated EN1A Bright Steel’	International Conference on Engineering Materials and Processes’ Tagore Engineering College, Chennai, India, 23 <sup>rd</sup> and 24 <sup>th</sup> May,	219-222.	2013
7	Sakthivel P.B	Ferrocement technology and Quality Improvisation Techniques-A review	2nd Int. conf. Current trends in technology –NUICONE 2011, Dec 8-10, 2011, Nirma University, Ahmedabad	1-6	2011
8	Sakthivel P.B	Ferrocement Construction Technology and its Applications – a Review	Int. Conf. on structural Engineering, Construction and Management, Dec, 2011, Srilanka	15-17	2012
9	Sakthivel P.B	Fiber Reinforced Ferrocement a review study	2nd Int. Conf. Advances in Mechanical Manufacturing and Building Sciences, 9-11 Jan 2012, VIT Vellore	1172-1177	2012
1.	V.Lavanya	Water contamination of suburban south India and its implication for enteric infection	International Conference on “Sustainable Technologies in Building & Environment (ICSTBE 2015).	4	2015
2.	M.R.Sudarshan A.Jayapradha &V.Lavanya	Assessment of Groundwater Quality at Oragadam and Sriperumbudhur, Tamilnadu, India	International Conference on “Sustainable Technologies in Building & Environment (ICSTBE 2015)	65	2015
5	V.Lavanya& V.Gowri	Sanitation quality index and its relation with diarrheal prevalence in Pallikaranai	Global Humanitarian Technology Conference (GHTC), IEEE, ISBN: 978-1-4799-2401-1	372-375	2013
11	Dr.Lavanya, M.Buveneswari, I.Charanya Ponmani, R.Dhivya, R.Divya,	Defluoridation Of Ground Water Using Various Methods”,	International Conference on emerging trends in science, engineering & Technology		2017
6	K.Kaviya& Dr.M.Ramalingam	Hydrological cycle simulation of Kodavananar river(Athur Block) watershed using Soil and Water Assessment Tool(SWAT)	SWAT-International Conference	109-117	2012

3.	K.Venkatalakshmi	A study on strength and durability concrete by partial replacement of cement hyposludge	Emerging Trends in Civil Engineering	482-485	2014
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### National Conference

Name of the Faculty	Topic	Journal
Anne Ligorina S., Chanthini K., Gokul Ram K.V. and Karthick Raj A.C (2014)	Study on Characteristics of High Performance and Reactive Powder Concrete',	Proceedings of National Conference on Advancements and Challenges in Civil Engineering, Valliammai Engineering College, Kattankulathur, India, April 11 pp40-45
Anne Ligorina S., Deepika S., Devasudhan A., Jeya Sundar P. And Manikandan.P (2014)	Utilization of Rice Husk Ash in Self Compacting Concrete',	Proceedings of National Conference on Advancements and Challenges in Civil Engineering, Valliammai Engineering College, Kattankulathur, India, April 11 ,pp 344-348

### FACULTY CONTRIBUTION IN VARIOUS COMMITTEES

S.No.	Name of the Faculty Members	Name of the Committee
1	Dr. N.S.Elangovan	Doctoral Committee Member for Ph.D Research Scholars under Anna University, Chennai
		Chairman , Civil Engineering Central Valuation Board under Anna University, Chennai
		Interview Board Member for Staff Selection Commission
		Member of board studies in Anna university affiliated colleges civil engineering department
		Question Paper Setter for TNPSC
2	Dr. S.Anne Ligorina	Doctoral Committee Member for Ph.D Research Scholars under Anna University, Hindustan University & St.Peters University
		Interview Board Member for Staff Selection Commission

## **RESEARCH TEAM**

- **Dr. M.Ramalingam** - **Remote sensing & GIS application**
- **Dr. S.Anne Ligoria** - **Structural Engineering**
- **Dr. N.S.Elangovan** - **Water resources and Environmental Engineering**
- **Dr. A.Navaneetha Gopalakrishnan** - **Environmental Engineering**
- **Dr. C.Anbalagan** - **Geology**
- **Dr. V.Lavanya** - **Groundwater and Health**
- **Dr Suriya** - **Hydrology**

### **SEVEN DAYS FDTP ON CE 6703 WATER RESOURCES AND IRRIGATION ENGINEERING**

[08.05.2017 TO 14.05.2017]

**Co.ordinated by Dr.N.S. Elangovan & Dr.V.Lavanya**

Faculty Development training Program (FDP) was organized by Department of Civil Engineering of Jerusalem College of Engineering approved by Anna University. The FDTP was organized for Water Resource and Irrigation Engineering from 8<sup>th</sup> may to 14<sup>th</sup> May. The FDTP program received an overwhelming response. The participant was selected based on the guidelines given by the Anna University Centre for faculty Development. 25 participants from different colleges affiliated to Anna University have attended the Programme. The FDTP was started on 8<sup>th</sup> May, 2017 with Tamil thai vazhthu The welcome address for the participants were given by Dr. N.S.Elangovan , the principal gave the Inaugural address and the Key note address was given by prof S. Santhanaraman. The talk was very beneficial and provided an insight on the various challenges associated with a teacher who has to overcome. The technical session was followed after Tea break.

Totally 28 sessions were conducted for seven days with 15 resource persons,4 experts from various academic institutions and 3 experts from PWD.

