

## CURRICULUM VITAE

**Dr.R. ILANGO VAN**  
**Designation: Professor**  
**Department of Civil Engineering**  
**UCE – BIT Campus, Anna University**  
**Tiruchirappalli 620 024**  
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➤ **Research Area:**

- Research Experience in the field of Concrete Technology
- Disaster Management, Rehabilitation of Structures
- Experimental Techniques and Instrumentation

➤ **Educational Qualifications:**

Qualification	College/University	Year of completion	Percentage
Ph.D. Civil Engineering	College of Engineering Guindy, Chennai	2008	-
M.E. Structural Engineering	Regional Engineering College (NIT), Tiruchirappalli	1998	65
B.E. Civil Engineering	Thiyagarajar College of Engineering, Madurai	1995	66

**Experience:** (chronological order)

Name of Company / Institutions	Designation of Post	From	To	Experience in Year
UCE, BIT –Campus Anna University, Tiruchirappalli	Professor	August 2015	till date	08 Years
	Associate Professor	August 2012	July 2015	03 Years
	Assistant Professor	September 2008	July 2012	03 Years 09 Months
PSNA College of Engineering, Dindigul	Assistant Professor	January 2008	August 2008	08 Months
RVS Engineering College, Dindigul	Assistant Professor	September 1995	December 2007	12 Years 3 Months

➤ **Awards / Honours Received:**

- UGC – NET/JRF award in Engineering in the year 2001 from Govt. of India.
- TNSCST – Young Scientist Fellowship award in the year 2003 from Govt. of Tamilnadu.

• **Additional / Academic Responsibilities at University:**

- Dean, University college of Engineering (Panruti campus), Panruti from October 2018 to Feb 2022.
- Head, Department of Civil Engineering, University college of Engineering (Dindigul campus), Dindigul from July 2014 to September 2018.
- Head, Department of Civil Engineering, Anna University; BIT campus, Tiruchirappalli from May 2011 to June 2014.
- Professor i/c, PG Programme in Structural Engineering, BIT campus from September 2008 to June 2014.
- Professor i/c Estate Office, BIT campus, Tiruchirappalli from March 2013 to June 2014.
- Deputy Director, Office of the Student Affairs, Anna University – Regional Office, Tiruchirappalli – 620 024 from September 2012 to June 2014.
- Director, Centre for Student Affairs, Anna University, Tiruchirappalli, from September 2010 to May 2012.
- Deputy Director, Centre for Research, Anna University Tiruchirappalli from April 2010 to August 2010.
- Deputy Controller of Examination, Anna University, Tiruchirappalli from November 2008 to December 2009.

➤ **Membership of Scientific and Professional Societies:**

1. Member, Institution of Civil Engineers (India), New Delhi.
2. Member, Indian Society for Technical Education, New Delhi

➤ **Fellowships and Grants received:**

- Fellow, Institution of Engineers (India), Calcutta.
- Fellow, Institution of Valuers (India), New Delhi.

➤ **Completed PG/UG Projects:**

- a. Number of PG Projects Completed: 32 No.s
- b. Number of UG Project Completed: 64 batches

➤ **Research Guidance (M.S/Ph.D.) (Completed):**

Sl. No	Name of the scholar	Title of the thesis	Year of registration	Date of viva voce
1.	Dr.R.Viji	Rainfall Runoff Modelling Using Satellite Data and GIS for Kundahpalam Watershed Nilgiris District Tamil Nadu	2009	18.11.2016
2.	Dr.B.Venkatesan	Seismic Strengthening of Beam – Column Joint Bonded with Cementitious Laminates	2010	30.06.2017
3.	Dr.K.Arumugam	Experimental Study on Strength and Durability of Pond Ash as partial Replacement with fine aggregate in concrete	2009	12.03.2018
4.	Dr.N.Ilavarasan	Hydrological and land use/land cover change effect on the Ooty Lake Ecosystem in the Nilgiris District of Tamil Nadu	2010	02.04.2018
5.	Dr.S.Meenakshi Sudarvizhi	Experimental Studies on Strength and Behaviour of Concrete using Quarry Dust and Copper Slag Powder	2010	19.07.2019
6.	Dr.S.Kavipriya	Experimental Studies on Geopolymer Concrete with Fibers	2012	24.06.2019

➤ **Research Guidance (M.S/Ph.D.) (Ongoing):**

Sl. No	Name of the scholar	Tentative Title of the thesis	Year of registration	Status
1.	Mr.Senthil Kumar S.P.	Performance of Self Compacting Concrete with Phase Changing Materials	2017	Course work
2.	Umarajeswari S	Vaigai Reservoir Sedimentation – Its Consequences in Estimating the Useful Life of a Reservoir	2017	Confirmation completed
3.	Janet kamalini J	Influence of Nano Materials in the Strength and Durability Properties of Concrete	2018	Confirmation completed
4.	Santhosh Kumar T	Experimental Investigation on phase Change Material for Construction Application	2019	Confirmation completed
5.	Jeykumar R	Studies on Strength and Stability Assessment on Sandwich Panels	2019	Confirmation completed

6.	Sathishkumar D	Vulnerability Analysis of Buildings and Structures in cyclone prone areas – An Analytical Model	2022	Course work
7.	Vigneshkumar M	Experimental Investigation on phase Change Material with Carbon Nano tube in Cement Based Materials	2022	Course work
8.	Flora Dani C M	Strength Assessment on Banana Fiber Concrete Panel Under Cyclic and Non cyclic Loading	2022	Course work
9.	Senthil kumar E	Waste Water Treatment Using Plant Derived Coagulants	2023	Course work

➤ **Publications:**

a. **Books / book chapters:**

Written one Tamil Text Books as title of for UG Civil Engineering Tamil Medium Students, Anna University Syllabus.

b. **International Journals:**

1. J.Janet Kamalini, Dr.R.Ilangovan, " Experimental Investigation of Concrete by using Alkali Activated Alumino Silicates", International Journal of Recent Trends in Engineering & Research, IJRTER, 2455 - 1457, March 2020.
2. S.Umarajeswari, Dr.R.Ilangovan, Dr.S.Saravanan, Dr.J.Jegan, "A review on reservoir capacity loss due to sedimentation studies using remote sensing technique", IJRMF, Vol-4, 12, 2018.
3. Shanmuganathan D, and Ilangovan R, " Experimental investigation on influence of aspect ratio of steel fibred in cement concrete", International Journal of Advanced Engineering Research and Technology (IJAERT) Volume 4 Issue 5, May 2016, ISSN No.: 2348 – 8190
4. Kavipriya .S & .R.Ilangovan, "Response towards the influence of acid on modified geopolymer concrete" International Journal of Advanced Engineering Technology E-ISSN 0976-3945, Int J Adv Engg Tech/Vol. VII/Issue II/April-June,2016/193- 195
5. Kavipriya .S & R.Ilangovan, "Comparative Evaluation on the Mechanical Properties of Cement Concrete and GPC Incorporated with Polymeric Fibre" Asian Journal of Research in Social Sciences and Humanities Vol. 6, No. 8, August 2016, pp. 829-837. ISSN 2249-7315
6. B. Venkatesan, R. Ilangovan, P. Jayabalan, N. Mahendran, N. Sakthieswaran, "Finite Element Analysis (FEA) for the Beam-Column Joint Subjected to Cyclic Loading Was performed Using ANSYS" Circuits and Systems, , June 2016 , 7, 1581-1597 .
7. R.Ilangovan, K.Binith Muthukrishnan, M.Valan Rajkumar, and A.Velanganni Joseph, "Factors affecting Cost Performance due to Construction Delays in Projects at Dindigul and Madurai Districts", European Academic Research Journal, ISSN 2286-4822, ISSN-L 2286-4822, Volume IV, Issue-II, Pages 971- 988, May 2016. Impact Factor: 3.4546 (UIF), DRJI Value: 5.9 (B+)
8. R.Ilangovan, K.Binith Muthukrishnan, M.Valan Rajkumar, and A.Velanganni Joseph, "A Study and Analysis of Delays in Construction Projects in Dindigul and Madurai District", Tactful Management Research Journal, ISSN 2319-7935 (Print), ISSN 2319-7943 (Online), Volume IV, Issue-VIII, Pages 1-9, May 2016, Paper ID: 428. Impact Factor: 2.1632 (UIF)

9. M.Valan Rajkumar, T. Meharajan, and R.Ilangovan, "A Study on Occupational Stress among Teachers in Self Financing Engineering Colleges in Anna University-Region III", *European Academic Research Journal*, ISSN 2286-4822, ISSN-L 2286-4822, Volume IV, Issue-I, Pages 868-889, April 2016. Impact Factor: 3.4546 (UIF), DRJI Value: 5.9 (B+)
10. M.Valan Rajkumar, T.Meharajan, and R.Ilangovan, "A Study on the Relationship between Job Satisfaction and Socio-Demographic Characteristics of Teaching Staff in Self Financing Engineering Colleges in Anna University-Region III", *International Journal of Multidisciplinary Research Review*, ISSN 2395-1877 (Print), ISSN 2395-1885 (Online), Volume 1, Issue-4, Pages 31-38, April 2016. Impact Factor: 3.567
11. M.Valan Rajkumar, T.Meharajan, and R.Ilangovan, "A Study on the Relationship between Job Involvement and Demographic Characteristics of Teaching Staff in Self Financing Engineering Colleges in Anna University-Region III", *Indian Journal of Commerce & Management Studies*, ISSN 2249-0310, EISSN 2229- 5674, Volume VII, Issue-2, Pages 49-55, May 2016. Impact Factor (GIF): 0.875
12. Viji, R., Rajesh Prasanna, P., and Ilangovan, R., "GIS Based SCS - CN Method For Estimating Runoff In Kundahpalam Watershed, Nilgiris District, Tamilnadu", *Earth Sci. Res. J.* Vol. 19, No. 1, pp.59- 64, 2015.
13. Viji, R., Ilangovan, R., and Rajesh Prasanna, P., "Green-Ampt runoff model for the ungauged Kundahpallam watershed, Nilgiris, Western ghats of India", *Int. J. of Applied Engg. Research*, ISSN. 0973-4562, Vol. 10, No.51, pp.35-45, 2015
14. Viji, R., Rajesh Prasanna, P., and Ilangovan, R., "Modified SCS-CN and Green- Ampt Methods in Surface Runoff Modelling for the Kundahpallam Watershed, Nilgiris, Western Ghats, India", *Aquatic Procedia*, Vol.4, pp. 677 – 684, 2015.
15. Venkatachalapathy.V. and Ilangovan R (2015) An Experimental Investigation of the stresses Distribution In Reinforced concrete Deep Beams, *International Journal of applied Engineering Research* vol 10 no 5: pp 12825-12841, 2015.( Annexure 2)
16. Venkatachalapathy.V. and Ilangovan R (2015) Behaviour and Ultimate strength of reinforced concrete Deep beam with opening under Induced shear load. *International Journal of Earth sciences* vol 08 No 04 P.P.1927-1934, August 2015.( Annexure 2)
17. Arumugam K and Ilangovan R (2014) Studies and strength and behavior of concrete using pond ash as fine aggregate, *Research Journal of applied sciences, Engineering and Technology* vol no (11): 2266-2270, March 2014. ( Annexure 2)
18. Arumugam K and Ilangovan R (2014) Effective Utilization of pond ash as fine aggregate in cement concrete under flexure , *International Journal of Earth sciences* vol. 07 No 02 P.P.738-743, April 2014 .( Annexure 2)
19. Arumugam K and Ilangovan R (2014) Use of Bottom ash as fine aggregate on strength properties *International Journal of pollution Research* vol No 33( 1) P.P.61-64, April 2014 .( Annexure 2)
20. Meenakshi Sudarvizhi and Ilangovan R. S (2013) An Experimental investigation on Mechanical Properties of concrete using Industry waste, *International Journal of Earth sciences* vol 06 No 02(01) P.P. 118-122, April 2013 .( Annexure 2)
21. Venkatesan.B and Ilangovan R (2013) Structural performance of Beam column joints retrofitted with cementations laminates , *International Journal of Earth sciences* vol 06 No 02(01) April 2013.( Annexure 2)
22. Meenakshi Sudarvizhi and Ilangovan R. (2012) Utilization of Copper Slag and ferrous slag as

- partial replacement of fine aggregate in Cement Concrete. Journal of Structural Engineering, Vol.39, No.1. April –May 2012 pp 152-157. (Annexure1)
23. Venkatachalapathy.V. and Ilangovan R. (2012), “Experimental Evaluation for Strength of Steel Fibre Reinforced Concrete Deep Beams”, IOSR Journal of Engineering (10SRJEN) 2250:3021 Vol.2 Issue 2, February 2012, pp 348-355.
  24. Arumugam K , James Manokar D and .Ilangovan.R (2011) A study on characterization and use of Pond Ash as fine aggregate in Concrete International Journal of Civil and Structural Engineering,1(3)pp466-474Code:EIJCSE3038
  25. Meenakshi Sudarvizhi and Ilangovan R. (2011) Performance of Copper slag and ferrous slag as partial replacement of sand in Concrete. International Journal of Civil and Structural Engineering,pp918-927Code:EIJCSE2058,
  26. Venkatachalapathy.V. and Ilangovan R. (2010) A Study on Steel Fiber Reinforced Concrete Deep Beams With and without Openings. International Journal of Civil and Structural Engineering, (3):509 – 517.
  27. Raghunathan T and.Ilangovan. R (2010) Study on Strength of Concrete with ETP Sludge from Dyeing Industry. International Journal of Civil and Structural Engineering, 1(3): 379-389. .
  28. Kala. P , Vimala. S and .Ilangovan.R (2010) Critical appraisal on steel water tank design using recent and past I.S. Codes. International Journal of Civil and Structural Engineering, 1(3): 390-403.
  29. Jayasankar. R , Mahendran.N and Ilangovan. R, (2010) Studies on concrete using fly ash, rice husk and egg shell powder. International Journal of Civil and Structural Engineering, 1(3):362-372.integrated publishing services.
  30. Ilangovan. R, Mahendran. N and Nagamani. K (2008), “Strength and Durability properties of concrete containing quarry rock dust as fine aggregate”, ARPN International Journal, Vol. 3, No.5, pp. 20-26

### **C. National Journals:**

1. Ilangovan R, Title of the invention: Experimental Studies on Strength and Behaviour of Concrete by using Quarry Rock Dust as Fine Aggregate, Publication of the Patent, The Patent Office Journal No. 08/2023, Dated 24/02/2023.
2. Ilangovan. R and Mahendran.N. (2009), „Effect of Non prismatic members in Frames – An Analytical study“ Journal of the Indian national group of the International association for Bridge and Structural Engineering, The Bridge and Structural Engineer, Vol. 38, No. 4, pp. 9-23.
3. Ilangovan. R, Nagamani K and Gopal Samy P. (2007), “Recycling of quarry waste as alternative Material in concrete manufacturing”, Indian construction, Vol. 40, No. 2, pp. 7-12.
4. Ilangovan. R, Nagamani.K. and Ramamurthy K. (2007), “Strength and durability studies on concrete by using quarry rock dust as fine aggregate”, Journal of the Indian national group of the International association for Bridge and Structural Engineering, The Bridge and Structural Engineer, Vol. 37, No. 2, pp. 43-54
5. Ilangovan. R, Nagamani.K.and Kumarasamy.K. (2006)Studies on strength and behavior of concrete by using crusher rock dust as fine aggregate”, Civil Engineering and Construction Review Journal, Vol.19, No. 10, pp. 40-42.
6. Ilangovan. R and Nagamani K. (2006), “Application of quarry rock dust as fine aggregate in concrete construction”, NICMAR - Journal of Construction Management Vol. XXI, No. IV, pp. 5-13.

➤ **Patents:**

S. No.	Name(s) of the applicant/Inventors	Title of the Patents(Utility/Design)	Appl./ Design No.	Filing Date	Status (filed/FER/Granted)
1	Dr.R.Ilangovan	Experimental Model of Quarry Rock Dust Concrete	202341005740 A	29/01/2023	Published

➤ **Sponsored Research Projects: NIL**

Sl.No	Name of the project	Funding agency	Project value (Rs.)	Duration	Status
01	Translation of Engineering Books in Regional Language	AICTE	2 Lakhs	1 Year	Completed

➤ **Consultancy Activities:**

Sl.No.	Name of the work	Role (PI/Co PI)	Agency	Amount in rupees	Duration
1	Vetting the structural design project of Madurai Corporation	Principal Consultant	City Engineer, Madurai Corporation	874648	2019 to Till date
2	Vetting the structural design project of Coimbatore Corporation	Principal Consultant	City Engineer, Coimbatore Corporation	440000	2022 to Till date
3	Proposed Construction of NULM Shelter at Nilakottai Town Panchayat, Dindigul District	Principal Consultant	The Executive Officer	76700	2017 to 2019
4	Vetting of Structural Design for Syrom Water Drain project Package I, II, IV & VI in Thothukudi City Municipality	Principal Consultant	The Commissioner and Special Officer, Thoothukudi	1631704	2017 to 2019
5	Vetting of Structural Design for Construction of FSSM Plant in Paramakudi Municipality	Principal Consultant	The Municipal Engineer and Commissioner Paramakudi	236000	2017 to 2019

➤ **List of Seminar / Short Term Course /FDP/ Workshop organized:**

1. TEQIP II –FDP Advanced Building Technology 19.08.2013 to 25.08.2013 BIT Trichy
2. TEQIP II –FDP Advanced software application in Civil Engineering 12.12.2013 to 18.12.2013 BIT Trichy
3. TEQIP II – Conference Recent Trends in Civil and Environmental Engineering April 2013 BIT Trichy
4. Workshop -Architecture application in civil Engineering Feb 2008 PSNA Dindigul
5. Conference- Recent trends in civil Engineering –May 2007 RVSEC Dindigul
6. Workshop on Recent Software Application in Civil Engineering, UCE Dindigul Campus 29.03.2023

➤ **List of Seminar / Short Term Course /FDP/ Workshop attended:**

**1) Not less than two weeks duration**

1. Induction Training programme in Engineering Education Academic Staff College, University of Madras - June 1999. date 07-06-1999 to 26-06-1999 ( 3 weeks)
2. Modern Surveying & Computer Applications at NITTR Chennai date 06/09/2004 to 17/09/2004 ( 2 weeks)
3. Environmental Studies in Civil Engineering at Academic staff College Madurai Kamaraj University date 27.01.2015 to 16.02.2015 (3 weeks)

**2) One week duration**

1. Energy Management in Buildings Department of Civil Engineering IIT, Madras December 1999.(20.12.1999 to 25.12.1999)
2. Advance in Concrete Technology and Practice Department of Civil Engineering IIT Madras, December 2000 (18.12.2000 to 23.12.2000)
3. GIS and their Application in Environmental Engineering Department of Civil Engineering, IIT Madras, June 2001. (04.06.2001 to 09.06.2001)
4. Soil Reinforcement and Geosynathetics Department of Civil Engineering, IISc, Bangalore, Sep 2001.(03.09.2011 to 07.09.2001)
5. Experimental Techniques in Structural Engineering Department of Civil Engineering IIT Madras - July 2003.(15.07.2002 to 21.07.2002)
6. Research Methodology Department of Civil Engineering, IIT Madras - December 2003 (18.12.2003 to 24.12.2003)
7. Structural Dynamics and Seismic Design Department of Civil Engineering, IIT Madras - June 2004.(14.06.2004 to 19.06.2004)
8. Geotechnical Earthquake Engineering Department of Civil Engineering IIT, Madras - July 2004.(05.07.2004 to 09.07.2004)
9. Geotechnical Earthquake Engineering Department of Civil Engineering IIT, Delhi - Dec 2004.(29.11.2004 to 04.12.2004)
10. Instructional Design and delivery systems at NITTR Chennai 04.07.2005 to 08.07.2005
11. Finite Element Seismic Analysis at Department of Civil Engineering, IIT Madras, March 2006



(20.03.2006 to 24.06.2006)

12. Contaminant Transport modeling :Theory and Application Department of Civil Engineering, IIT Madras, June 2007 (11.06.2007 to 16.06.2007)

13. Management Capacity Enhancement Programme at CIT (27 -31 August 2013)

### **3) Less than a week**

1. Workshop on Repairs and Rehabilitation of Structures, Department of Civil Engineering, Anna University Chennai.(29, 30-10-1999)
2. Analysis and Design of Structures for Wind and Seismic Loads, SERC Chennai (15-17, Feb 2000)
3. Earthquake Design as per New Code, Department of Civil Engineering, Anna University Chennai.(20,21- March 2003)
4. Better Method of Teaching, RVS College of Engineering Dindigul (08.09.2003)
5. Recent Advances in Civil Engineering, Cochin University of Science and Technology (25-27, March 2004)
6. Engineering Mechanics, Bannari Amman Institute of Technology (3-5 Feb 2005)
7. Environmental Science and Engineering, RVS College of Engineering Dindigul(05.03.2006)
8. Recent Advances in Civil Engineering, RVS College of Engineering Dindigul(05.04.2007)
9. Modern Trends in Structural Design, Anna University Chennai. (23-24 march 2007)
10. Sustainable Concrete Pavements, Practices Challenges and Direction, IIT Madras(13.10.2010)
11. Forensic Engineering“ National Institute of Technology, Tiruchirappalli from 15- 17, December 2010.
12. New Trends in Industrial Applications PSG College of Tech (11.10.2014)
13. Management Capacity Building, IIT Madras (29-31 Jan 2014)
14. Corrosion Analysis at PSNA CET (29.09.2014)
15. NAAC Awareness on Quality Systems in Higher Education Anna University Chennai.(26-27 march 2015)

### ➤ **National / International Conferences organized / Participated:**

#### **a) International conference**

1. Ilangovan. R , Assessment of Environmental Degradation due to Tannery Waste Water in Dindigul District, International Ground Water Conference (IGC -2002), Dindigul
2. Ilangovan R, Recycling of Crushed Rock Dust as Fine Aggregate for Concrete”, Internal Workshop and Conference on Construction Management Materials, IIT Kharagpur (2003).
3. Ilangovan R, Vulnerability Analysis and Retrofitting Measures of Building and Structures in Cyclone Prone Areas, An Analytical Model, International Seminar on Industrial Structures, ACCEI (2003)
4. Ilangovan .R “Reproportioning of Aggregate Mix for Optimal Workability with Crushed Rock Dust as Fine Aggregate, International Conference on Recent Trends in Concrete Technology, Kumaraguru College of Technology, Coimbatore (2003)
5. Ilangovan R, Value Added Utilization of Crushed Rock Dust in Concrete., Structural Engineering Convention, SEC, IISC Bangalore (2005)

6. Ilangovan, Durability Studies on Crushed Rock Dust Concrete, Structural Engineering Convention, SEC, IISC Bangalore (2005)
7. Ilangovan, "Vulnerability Analysis of Building and Structures in Cyclone Prone Area-An Analytical Model., National Conference on Recent Advances in Civil Engineering (RACE2007) RVS Engineering College, Dindigul (2007)
8. Ilangovan, "Usage of Quarry Fines in Place of River Sand for Concrete Works, National Conference on Recent Advances in Structural Engineering, Anna University, Trichy (2008 )
9. Vengatachalapthy and R.Ilangovan, "Experimental Evaluation of Shear Strength of Steel Fiber Reinforced Concrete Moderate Deep Beam With and Without Opening "International Conference on Sustainability Challenges and Advances in Concrete Technology, PSG College of Tech, Coimbatore.(2012)
10. Akhila P, Dr.R.Ilangovan, "Studying the Spatial and Temporal Variation of Atmospheric co2 found in Tiruchirappalli, Tamilnadu, India "TEQIP II Sponsored International Conference on Innovations and Advances in Civil Engineering Towards Green and Sustainable Systems(INACES-2014) during 28- 30 April 2014 ,CIT, Coimbatore ,India
11. Meenakshi Sudarvizhi , R.Ilangovan and C.Mariammal" Investigation of Optimum Usage of Industry Waste in Concrete" TEQIP II Sponsored International Conference on Innovations and Advances in Civil Engineering Towards Green and Sustainable Systems(INACES-2014) during 28- 30 April 2014 ,CIT, Coimbatore ,India
12. Arumugam, Dr.R.Ilangovan Characterization and Use of Pond Ash as Fine Aggregate in Concrete under Flexure" TEQIP II Sponsored International Conference on Innovations and Advances in Civil Engineering Towards Green and Sustainable Systems(INACES- 2014) during 28- 30 April 2014 ,CIT, Coimbatore ,India
13. Kavipriya, Dr.R.Ilangovan" A Study on Mix Design and Optimum Strength Characteristics of GeoPolymer Concrete (GPC) TEQIP II Sponsored International Conference on Innovations and Advances in Civil Engineering Towards Green and Sustainable Systems(INACES-2014) during 28- 30 April 2014 ,CIT, Coimbatore ,India
14. Venkatesan & R.Ilangovan" Structural Behaviour of Exterior Beam Column Joint" TEQIP II Sponsored International Conference on Innovations and Advances in Civil Engineering Towards Green and Sustainable Systems(INACES-2014) during 28- 30 April 2014, CIT, Coimbatore
15. Viji, P. Rajesh Prasanna, R. Ilangovan And G. Suthan" Modified SCS-CN Method I n surface Runoff Modelling for the Kundapallam Watershed, Nilgiris, Western Ghats, India., TEQIP II Sponsored International Conference on Environmental Geotechnics (ICEGEO"14), BIT campus, Anna University, Trichy
16. Ilavarasan and Dr.R.Ilangovan Water Quality Assessment on Ooty Lake Nilgiris, TEQIP II Sponsored International Conference on Environmental Geotechnics (ICEGEO"14), BIT campus, Anna University, Trichy
17. Meenakshi Sudarvizhi and Dr. R.Ilangovan" Strength and Durability Properties of Concrete made with Industry Waste, TEQIP II Sponsored International Conference on Environmental Geotechnics (ICEGEO"14),BIT campus, Anna University, Trichy

## **b) National**

1. Ilangovan R, Recycling of Quarry Waste as an alternate materials in concrete, IIT Roorkee.(2006)
2. Ilangovan R Studies on Cement Mortar by using Quarry Rock dust as fine Aggregate, IIT Roorkee.(2006)
3. .Ilangovan R Vulnerability Analysis of buildings and structures, RVS college of engineering Dindigul (2007)
4. Ilangovan R, Usage of Quarry fines in concrete works, Anna University Trichy (2008)
5. Venkatachalapathy and R.Ilangovan ,Behaviour of Steel Fibre Reinforced Concrete Deep Beam with and without opening, Seventh Structural Engineering Convention (SEC 2010) Annamalai University, Annamalainagar (2010)
6. Arumugam and R.Ilangovan, Feasibility Study on Characterization and Use of Pond Ash as fine Aggregate, Seventh Structural Engineering Convention (SEC 2010) Annamalai University, Annamalainagar (2010)
7. Meenakshi sudarvizhi and R.Ilangovan, Copper Slag and Ferrous Slag as Partial Replacement of Fine Aggregate, Seventh Structural Engineering Convention (SEC 2010) Annamalai University, Annamalainagar (2010)
8. Vishalakshi, B.H& Ilangovan, Experimental Investigation on Removal of Chromium from Aqueous Solution using Conducting Polymer Nano Composites TEQIP II Sponsored National Conference on Recent Trends in Civil and Environmental Engineering, by Department of Civil Engineering, Anna University UCE, BIT campus, Trichy (2014)
9. Anbarasan, A.K and Ilangovan, R Feasibility Study of Juliflora-ash Replacement with Cement in Reinforced Concrete, TEQIP II Sponsored National Conference on Recent Trends in Civil and Environmental Engineering, by Department of Civil Engineering, Anna University UCE, BIT campus, Trichy (2014)
10. Akhila, P and Ilangovan, R., Studying CO<sub>2</sub> Flux of Air at Various Locations of Tiruchirappalli, Tamilnadu, India. TEQIP II Sponsored National Conference on Recent Trends in Civil and Environmental Engineering, by Department of Civil Engineering, Anna University UCE, BIT campus, Trichy (2014)
11. Jayanthi, J. and Ilangovan, R Partial Replacement of Cement in Concrete using Wood Ash and Silica Fume TEQIP II Sponsored National Conference on Recent Trends in Civil and Environmental Engineering, by Department of Civil Engineering, Anna University UCE, BIT campus, Trichy (2014)
12. Mohan Balaji, K., and Ilangovan.R Effect of Fine Aggregate Replacement with Bio-Medical Waste Ash and M-Sand TEQIP II Sponsored National Conference on Recent Trends in Civil and Environmental Engineering, by Department of Civil Engineering, Anna University UCE, BIT campus, Trichy (2014)
13. Eniya Kaviya, and Ilangovan, R. An Experimental Investigation on Geopolymer Concrete Beams TEQIP II Sponsored National Conference on Recent Trends in Civil and Environmental

- Engineering, by Department of Civil Engineering, Anna University UCE, BIT campus, Trichy (2014)
14. Sakthi Murugan, M. and Ilangovan, R. Experimental Investigation on Alkali Activated Fly Ash Concrete with Partial Replacement of M-Sand as Fine Aggregate TEQIP II Sponsored National Conference on Recent Trends in Civil and Environmental Engineering, by Department of Civil Engineering, Anna University UCE, BIT campus, Trichy (2014)
  15. Kalaimathi, M& Ilangovan, R., Studies on Reduction of Sludge Generation from Tannery Waste Water Treatment Plant TEQIP II Sponsored National Conference on Recent Trends in Civil and Environmental Engineering, by Department of Civil Engineering, Anna University UCE, BIT campus, Trichy (2014)
  16. Bharathi and R.Ilangovan, “A Case Study on Fly Ash –Based Geo Polymer Concrete “Two days National Conference on Recent Trends in Civil & Mechanical Engineering” Organized by Anna University of Technology, Tiruchirappalli (2011)
  17. .Kayilizhi ,V.Vengatachalapthy and R.Ilangovan “Experimental study on Behavior of steel fiber reinforced deep beams with fly ash” “Two days National Conference on Recent Trends in Civil & Mechanical Engineering” Organized by Anna University of Technology, Tiruchirappalli (2011)
  18. Rajasekaran R and R.Ilangovan, “Feasibility Study on Addition of Copper Slag with Cement in RMC “Two days National Conference on Recent Trends in Civil & Mechanical Engineering” Organized by Anna University of Technology, Tiruchirappalli (2011)
  19. Meenakshi Sudarvizhi and R.Ilangovan “Characteristics Study of Copper Slag and Quarry Dust as Cement Replacement in Concrete, National Conference on Engineering Approach for Sustainable Development (STEPMACC 11) , ” Organized by Anna University of Technology, Tiruchirappalli (2011)
  20. Balaji M and R.Ilangovan “Durability Study of Copper Slag and Quarry Dust as Cement Replacement in Concrete , National Conference on Engineering Approach for Sustainable Development (STEPMACC 11) , ” Organized by Anna University of Technology, Tiruchirappalli (2011)
  21. Raja Arumugan Nainar and R.Ilangovan Experimental Analysis of Performance and Strength of Cement Concrete by using Manufactured Sand “National Conference on Engineering Approach for Sustainable Development (STEPMACC 11), ” Organized by Anna University of Technology, Tiruchirappalli (2011)
  22. Sarumathi and R.Ilangovan “ Flexural Strength of RCC Beam with Copper Slag Replacement in Concrete, “National Conference on Engineering Approach for Sustainable Development (STEPMACC 11) , ” Organized by Anna University of Technology, Tiruchirappalli (2011)

➤ **Professional recognitions:** (details like chairperson/member of a committee, reviewer, editor ...etc)

**(A) Chairperson for conferences / Seminar / Technical symposia:**

**(B) Guest lectures delivered:**

1. Ilangovan R, Usage of Quarry Fines in Concrete Works, Builders Association of India, Dindigul (2007)
2. Ilangovan R, Prefabricated Structures, Anna University Dindigul.(2012)
3. Ilangovan R, Advanced Software Applications in Civil Engineering. Anna University BIT campus Trichy. (2013)
4. Ilangovan R, Advances in Building Technology, Anna University BIT campus Trichy.(2013)
5. Ilangovan R, Recent Trends in Environmental Engineering, Anna University BIT campus Trichy.(2014)
6. Ilangovan R, Soft Computing in Structural Engineering, Anna University Dindigul.(2015)
7. Ilangovan, Advanced Nano Techniques In civil engineering, Anna University UCE Pattukkottai (2015)
8. Ilangovan R, Prefabricated Building Practices, Anna University Dindigul.(2015).