

KUPPUSAMY SUBRAMANIAN

(20/09/1957)



Dr. K. Subramanian, currently Professor and Head of the Civil Engineering Department, Coimbatore Institute of Technology obtained his *Ph.D.* under Quality Improvement Programme from Anna University in 1992, *Master's Degree* in Structural Engineering from Bharathiar University in 1985, *Bachelor's Degree with Honours* from Madras University in 1979.

Immediately after his graduation he joined as *Assistant Engineer in TWAD Board* and Worked for **2** years. With an unquenchable thirst for knowledge and in pursuit of academic excellence he joined his alma mater as a faculty in 1981 and is serving reputable Institute till date. He is experienced in a number of Civil Engineering fields but his specialty lies in Structural Engineering.

He has instituted and developed number of new laboratories in the Department and has also updated existing laboratories with new equipment. He has introduced and set up two more PG programmes at CIT, namely '*Environmental Engineering and Management*' and '*Construction Management*' in addition to the Structural Engineering course.

Working as an academician, he has contributed immensely both to industry and academia. His substantial research contribution includes **85** national journals and international journals, **109** national and international conference publications; this is with providing individual guidance to more than **25** Ph.D. scholars. He also evaluated numerous post graduate theses and Ph.D research thesis from reputed Institutions across the Country. His research developmental work includes obtaining grant from funding agencies alike; **AICTE**, **UGC**, **INS DAG** and **UNDP**. Apart from that he has completed a number of Research and Development projects and MODROB projects funded by **AICTE**. He has brought a sizable amount of funds to the tune of more than Rupees **One crore** for various Research & Development and MODROB Projects. He has been reviewer for some International Research publications like **Elsevier**, **Korean Society of Engineers**, **Institute of Engineers**, etc. for a decade.

He had organized and conducted innumerable International Conferences, National Conferences, Faculty Development Programmes, Short Term Courses and Workshops with great acclaim. He also serves as expert technical member for National and International Conferences conducted across the Country. He also chaired a large number of Seminars and Conferences in the Institute and in other Institutes as a respected academician. He has been

invited to and delivered Guest Lectures in many top Institutes around the country as well as internationally. He has also been asked to be a Keynote speaker in FDP's/STC's/Workshops, and give Special Lectures in his field of expertise to enrich the knowledge of students in various institutes in Tamil Nadu. His way of delivery and charismatic nature fascinate even the most cynical of students.

He is also the Chief coordinator of the Industry Institute Partnership Cell of CIT which has been making great strides under his leadership. He has been instrument for copious amounts of consultancy works due to his expertise by both State and Central Government agencies such as Public Work Departments, Highways, Local Bodies, Housing Board, Central Public Works Departments, Military Engineering Services, Railways and Airport Authority through the Institute. Consultancy works that take place at the Department level bring in a whopping Rupees **Fifty Lakhs** per annum.

He has also visited a number of Universities abroad such as the University of Southern California, University of Toledo, University of Kentucky (United States of America), National University of Singapore, Nanyang Technological University (Singapore) and University of Hong Kong (Hong Kong). Under his guidance, Memorandums of Understanding (MOU) were reached with the Dr. Fixit Institute, the University of Toledo and the Coimbatore Civil Engineers Association (COCENA) for the Department of Civil Engineering.

He is a member of various Professional bodies like ICI, IE, ISTE, WRSI, IAEE etc. He was conferred with Outstanding Corporate Fellow award by The Institution of Engineers (India), Coimbatore local chapter

Address for Communication

33 Fourth Street
Nehru Nagar West
Civil Aerodrome Post
Coimbatore – 641 014.
Mobile: [094434 81681](tel:09443481681)
E-Mail: drkscit@gmail.com

ACADEMIC QUALIFICATIONS

Ph.D.: (Anna University, Chennai)

- Completed in January 1992 in Faculty of Civil Engineering under Quality Improvement of Programme
- Completed in minimum period of time – 3 years
- Thesis Title: Stability of Rectangular Plates with Singularities in Loading and Geometry

P.G.: (Bharathiyar University, Coimbatore)

- Completed Master of Engineering in 1985 with the specialization as Structural Engineering
- Secured University First Rank

U.G.: (Madras University, Madras)

- Completed Bachelor of Engineering (B.E) - Civil Engineering in 1979
- Scored University Fifth Rank
- Secured Honours during Under Graduate Programme

ACADEMIC ACHIVEMENTS

- **District First** in School Education
- **National Merit Scholarship** Holder
- **University 5th Rank** in B.E.(Civil Engineering)
- **University 1st Rank** in M.E.(Structural Engineering)
- Ph.D. under QIP during 1989 – 92, **completed in minimum period of 3 years**

INDUSTRIAL EXPERIENCE

S.No	Institution	Position	Period	Years
1.	Tamil Nadu Water supply And Drainage Board	Assistant Engineer	1979-1981	2

ACADEMIC EXPERIENCE

S.No	Institution	Position	Period	Years
1.	Coimbatore Institute of Technology, Coimbatore – 641 014	Lecturer in Civil Engineering	1981-1987	6
2.	Coimbatore Institute of Technology, Coimbatore – 641 014	Senior lecturer in Civil Engineering	1987-1993	6
3.	Coimbatore Institute of Technology, Coimbatore – 641 014	Selection Grade Lecturer in Civil Engineering	1993-1997	4
4.	Coimbatore Institute of Technology, Coimbatore – 641 014	Assistant Professor in Civil Engineering	1997 – 2003	6
5.	Coimbatore Institute of Technology, Coimbatore – 641 014	Professor in Civil Engineering	2003 – Onwards	12
6.	Coimbatore Institute of Technology, Coimbatore – 641 014	Head of the Civil Engineering Department	2004 – Onwards	13

RESEARCH EXPERIENCE

S.No	Institution	Position	Period
1.	Anna University, Chennai	Research Scholar	1989-1992
2.	Guiding Ph.D. Scholars under Anna University, Chennai, Anna University, Coimbatore and Bharathiyar University, Coimbatore and guided more than 20 scholars		
3.	Based on research work so far carried, the H – Index is 6 .		

ADMINISTRATIVE EXPERIENCE

- **Principal in Charge**, during Principal absent
- **Deputy Warden**, for about **4** years (1985 to 1987), CIT, Hostel
- **Deputy controller**, for about **2** years (1997 to 1999), Controller of Examinations (Autonomous Scheme), CIT

- **NSS Programme Officer**, for about **5** years (1992 to 1996), CIT
- **Maintenance in Charge**, in CIT campus since 2004
- **Placement officer**, for about **3** years (2009 to 2011), CIT
- **Coordinator**, of IIPC sponsored by AICTE since 2003, CIT
- **Alumini Secretary**, for about **4** years, CIT

OTHER ADMINISTRATION WORK

- AICTE /DST/UGC Research and Modernization Project Proposals preparation and implementation in Civil Engineering Department
- Member in Civil Engineering Result passing board, Board of Studies for Civil Engineering Department, Academic Council and Disciplinary Committee

CONTRIBUTIONS TO ACADEMIA

- Chairman, Board of Studies in Architecture, Anna University, Coimbatore
- Member, Academic Council, Calicut University
- Member, Academic Council, Pondicherry University
- Outstanding Corporate Fellow of Institution of Engineers (India), Coimbatore Chapter
- Member, Board of Studies in Civil Engineering for Avinashilingam University, Coimbatore
- Member, Board of Studies in Civil Engineering for Amritha University, Coimbatore
- Member, Board of Studies in Civil Engineering for Government College of Technology (Autonomous), Coimbatore
- Member, Board of Studies in Civil Engineering for Kumaraguru College of Technology (Autonomous), Coimbatore
- Governing Council Member, PSNA College of Engineering and Technology, Dindigul
- Member, Academic Council, KSR College of Technology, Trichengode
- Member, Academic Council, PSR College of Engineering, Sivakasi

CONTRIBUTIONS TO SOCIETY

- An Expert Member **National Board of Accreditation**, New Delhi
- An Expert Member, **All India Council for Technical Education**, New Delhi

- An Examiner / Expert Member, **UPSC Engineering Services**, Civil Engineering Board
- An Expert Member, Staff Selection Committee, NIT, Trichy, **PSG College of Technology**, Coimbatore
- An Academic Expert Member, Staff Selection Committee, Kumaraguru College of Technology - Coimbatore, Bannariamman Institute of Technology – Sathyamangalam, Kongu Engineering College – Perundurai, Sri Krishna College of Technology – Coimbatore, Sri Krishna College of Engineering – Coimbatore, Kathir College of Engineering - Coimbatore
- An Expert Member, Technical Committee, Government of Tamil Nadu for Housing Board and Slum Clearance Board

MEMBERSHIP IN PROFESIONAL BODIES

- Fellow Member, Institution of Engineers (India)
- Chartered Engineer, Institution of Engineers (India)
- Member, Indian Society for Technical Education
- Member, Indian Concrete Institute
- Member, Indian Society of Earthquake Engineers
- Member, Indian Association of Structural Engineers
- Member, Water Resource Society of India

JOURNALS REVIEWER

- Journal of Korean Society of Civil Engineering
- Journal of Construction Management
- Journal of Construction Building Materials
- Journal of Materials science
- International Journal of Earth Science and Engineering
- International Journal of Emerging Technologies in Engineering Research

EDITOR/REVIEWER FOR PUBLICATIONS

- Elsevier Journal Publications
- Korean Society of Civil Engineers

- Institution of Engineers (India)
- Proceedings of International conference on Innovations and advances in Civil engineering material process (ICAMP-15)
- Proceedings of National conference on Innovations in Civil Engineering systems for sustainable construction
- Proceedings of International conference on Innovations and advances in Civil Engineering towards green and sustainable system
- Proceedings of International conference on Innovative and smart material structures systems for sustainable habit
- Proceedings of national conference on sustainable technologies for environment protection

BOOK PUBLICATIONS

- **“Construction Management”**, Anuradha Agencies, Kumbakomam (1989).
- Authored two units in **“Strength of Materials”** for IGNOU, NewDelhi, edited by Prof A.Elangovan (1993).
- **“Prestressed concrete”** by Prentice Hall of India, NewDelhi (Under Preparation)
- **“Analysis And Assessment of Behaviour of Infilled Frames: Using Artificial Neural Networks”**, Published by Germany-based Lambert Academic Publishers, 2011

NUMBER OF RESEARCH WORKS GUIDED

S.No.	Title of Thesis	Scholar	Year
1	Stability of Rectangular Composite Plates with Geometric Singularities.	V.Vijayalakshmi	2001
2	Experimental Investigation on Removal of Reservoir Sedimentation	K.Rasappan	2005
3	Effect of Mineral Admixtures on the Strength, Durability and Self compatibility of High Performance Concrete.	R.Malathy	2004
4	Optimal design of Structural Elements using Genetic Algorithm and Neural Networks	R.Mercy Shanthi	2004
5	Studies on the Behaviour of Fibre Reinforced Composite Slab under Impact Load	P.Easwaramoorthy	2005
6	Behaviour of Reinforced Concrete Columns confined by Glass Fibre Reinforced Polymer (GFRP) Composites.	B.G.Vishnuram	2006
7	Analysis and Assessment of the Behaviour of Infilled Frames using Artificial Neural Networks	K.M.Mini	2003
8	Studies on Strength and Durability of High Performance Concrete using Recycled Concrete Aggregate	M.Kalaiarasu	2007
9	Investigations on the Structural Behaviour of Reinforced Concrete Columns Damaged by Rebar Corrosion.	M.Usharani	2008
10	Influence of Infill and Slab on Two-Dimensional and Three Dimensional RC Frames for Seismic Resistant	Suyambu Raja Aruselvan	2008
11	Studies on Strength and Durability of concrete using Recycled Coarse and Fine Aggregate	V.Nagarajan	2008
12	Structural Performance of Multistorey Reinforced Concrete Framed Shear Wall for Seismic Resistance	G.Nandini Devi	2009
13	Exploring Critical Factors in the Real-Time Monitoring of Construction Projects.	K.Divakar	2010
14	Behaviour of High Performance Concrete using Binary, Ternary and Quaternary Cementitious Blends	K.Chinnaraju	2010

15	Influence of Mineral Admixtures on The Structural Behaviour of High Performance Reinforced Concrete Beams and Columns	P.Muthupriya	2011
16	Seismic Behaviour of Partially Infilled RC Frames Retrofitted using GFRP Laminates and Masonry Inserts.	C.Jayaguru	2011
17	Management of Water Treatment Plant Residues	C.Elangovan	2013
18	Analytical and Experimental Studies on the Behaviour of Glass Fibre Reinforced Plastic Bridge Deck Panels	M.P.Muthuraj	2013
19	Influence of Fabric Structure and Reinforcing Efficiency of Textile reinforcements on the Flexural Behaviour of RC Beams.	V.G.Kalpana	2013
20	Influence of Stiffness Degradation and Sequence of Construction in Seismic Performance Evaluation of Lateral Load Resisting Systems	M.Velayutham	2015
21	Experimental Investigations on Multibay Multistorey Frames with Precast Members subjected to Cyclic Loading	M.J.Gopinathan	2015
22	Efficient Utilization of Quarry Dust in Concrete Production and its Influence on Strength of Structural Members	A.Kannan	2016
23	Ductile Behavior of Fibre Reinforced Concrete Frames under Cyclic Loading	K.Anbuvelan	2016
24	Restoration of Polluted Lakes using Structural and Nonstructural Approaches	R.Ilangovan	2016
25	Behaviour of Fibrous High Performance Concrete Containing Recycled Concrete and Quarry Dust as Fine Aggregate	M.Kaarthik	2016
26	Structural Equation Modeling to Investigate the Factors Influencing Quality, Safety and Productivity in Construction Projects	S.Shanmugapriya	2016

NUMBER OF RESEARCH FUNDING'S

As **Principal Investigator / Co – investigator** of the following projects

S.No	Details of research Project	Sponsorship	Amount (in Lakhs)	Progress status
1.	Chief coordinator for Industry Institute Partnership cell at CIT	AICTE	Rs. 10.50	Completed
2	Optimal Design of composite plates	AICTE	Rs. 4.00	Completed
3	Seismic Response Control on Multistoried Structure	AICTE	Rs. 9.60	Completed
4	Response Control using Base Isolation Structure	UGC	Rs. 4.30	Completed
5	Modernization of Structural Engineering Laboratory	AICTE	Rs. 14.00	Completed
6	Simulation of Intelligent Structural Systems	AICTE	Rs. 10.00	Completed
7	Recycled aggregate HPC	AICTE	Rs. 4.00	Completed
8	Seismic Strengthening of Masonry Structures – Different Bonds	UNDP	Rs. 4.00	Completed
9	Profiled Deck Slabs	INSDAG	Rs. 2.50	Completed
10	Studies on fresh and harden concrete properties of Nano size Sugar Cane Bagasse Ash	DST	Rs.46.12	(Proposal Submitted)

CONSULTANCY AGENCIES

The consultancy works involved in following agencies along with motivating young Faculties in Department in order motivate them in their specialized fields. Some of notable agencies are follows

Government Agencies

- Public Work Departments, Coimbatore
- Public Work Departments, Tirupur
- Coimbatore City Corporation
- Tirupur City Corporation
- Tamil Nadu Water Supply And Drainage Board
- Tamil Nadu Housing Board
- Tamil Nadu Electricity Board
- Airport Authority of India
- Central Public Works Department
- Military Engineering Service

Private Agencies

Notable involved private agencies are

- M/s. SUZLON project at Karumathampatti,
- M/s. Prime Developers, Tirupur,
- M/s. RUF1 Real Estates Private Limited, Coimbatore,
- M/s. Indian Oil Corporation,
- Garrison Engineer, Wellington,
- ITC Private Limited, Karamadai
- M/s. Hindustan Petroleum Corporation
- M/s. KGISL Pvt. Ltd, Coimbatore

LECTURES (RECENTLY)

INVITED GUEST LECTURES

Delivered Special Lectures recently in the following Institutions:

- National Institute of Technology, Trichy,
- Annamalai University, Chidambaram,
- Government College of Engineering, Salem,
- Government College of Technology, Coimbatore
- Thiagarajar College of Engineering, Madurai
- Anna University, Trichy,
- VLB Janakiammal College of Engineering and Technology, Coimbatore,
- Kongu Engineering College, Erode,
- PSG College of Engineering, Coimbatore,
- Bannari Amman Institute of Technology, Sathy,
- Adhiparasakthi Engineering College, Melmaruvathur,
- PSNA College of engineering and technology, Dindugul,
- Velammal College of engineering and technology and technology, Madurai,
- Sri Krishna College of Technology, Coimbatore,
- Sriguru College of Technology, Coimbatore,
- ACCET, Karaikudi,
- Noorul Islam University, Nagarkoil,

KEY NOTE LECTURES

Delivered key note Lectures recently in the following Institutions for various workshops/conferences/seminars:

- Government college of Technology, Coimbatore,
- VLB Janakiammal College of Engineering and Technology, Coimbatore
- Adhiparasakthi Engineering College, Melmaruvathur,

- KSR College of Engineering, Tiruchengode,
- Sri Krishna College of Technology, Coimbatore,
- NSS college of Engineering, Palakkad,
- EASA College of Engineering and Technology, Coimbatore,
- Government College of Engineering, Salem,
- PSG College of Engineering, Coimbatore,

SPECIAL LECTURES

Delivered Special Lectures recently in the following Institutions for various Faculty Development Programme /Short Term Course:

- Senguthur Engineering College, Tiruchengode,
- Government College of Engineering, Salem,
- PSG College of Engineering, Coimbatore,
- EASA College of Engineering and Technology, Coimbatore
- Kongu Engineering College, Perundurai
- VLB Janakiammal College of Engineering and Technology, Coimbatore
- Sri Krishna College of Technology, Coimbatore,
- KSR College of Engineering, Tiruchengode,

LIST OF CONFERENCE ORGANIZED (RECENTLY)

S.No	Conference Organized	Date	No. of Days
1	Innovations in Civil Engineering systems for sustainable construction	22.4.2015	1
2	Advances in Civil Engineering Material and Processes	07.01.2015 to 09.01.2015	3
3	Innovations and Advances in Civil Engineering towards Green and Sustainable System	28.04.2014 to 30.04.2014	3
4	Frontier Applications in Civil and Environmental Engineering	24.02.2014 to 25.02.2014	2
5	Novel Techniques for Mitigation of Viral Pollutants in Environmental Systems	09.02.2012 to 10.02.2012	2
6	Innovative and Smart Structural Systems for Sustainable Habitat	3.1.2008 to 5.1.2008	3
7	Innovative technologies in Civil Engineering	20.3.2006 to 21.3.2006	2
8	Sustainable Technologies for Environmental Protection	7.1.2006 to 9.1.2006	3
9	New Perspective and Paradigm in Materials, Design & Construction of Civil Engineering Systems	10.1.2005 to 11.1.2005	2

LIST OF SEMINARS ORGANIZED (RECENTLY)

S.No	Seminar Topic	Date
1	Overview of Irrigations Structures in Tamil Nadu	28.06.2011
2	Mineral Admixtures And High Performance Concrete	05.07.2011
3	Experimental and Numerical Investigation on Masonry Wall Panel under Lateral Loading	12.07.2011
4	Captive Column Effects and Seismic Strengthening	19.07.2011
5	Experimental Investigation of 3D masonry models with and without EQRF under dynamic loading	16.08.2011
6	Archi CAD, Revit series, 3D Design, Mix Design, ANSYS	23.07.2011
7	Perspectives in Civil Engineering	20.03.2012
8	Guidelines of Tenders and Contracts	03.07.2012
9	Behavior of Beam Column Joints with and without Slab	31.07.2012
10	Optimization of Physic- Chemical and Solid Flux Parameters for Treatment of Papers and Pulp waste Water	14.08.2012
11	Bio-sorption of Nitrites from Aqueous phase	14.09.2012
12	Behaviour of pre stressed steel lattice	24.07.2012
13	Study on Sea sand as a substitute for River Sand	28.08.2012
14	Structural Analysis and Building Design using REVIT and STAAD.Pro Software	21.08.2012
15	Engineering in Architecture	18.09.2012
16	Flexural Behaviour of R.C Beams With External Textile Reinforcement.	11.12.2012
17	Bio-sorption of Nitrites from Aqueous phase	04.09.2012
18	Role of Consulting Engineers in Buildings	16.07.2013
19	Career opportunities for Civil Engineers in India and Abroad.	23.07.13
20	Role of Civil Engineers in Offshore Structures	30.07.2013
21	Awareness on GATE and IES Examination	06.08.2013
22	Intoduction to CADD	06.08.2013
23	Performance and Efficient Utilization of Quarry Sand in Concrete.	27.08.2013
24	The Story of the learning tower pisa - most unsuccessful failure in Civil Engineering	06.01.2014
25	State of Art in Digital Surveying	19.12.2013
26	Role of Civil Engineers in Constrcution	18.03.2014
27	Basics of Fluid Mechanics and its Application	19.06.14
28	Lifting of an Existing Building	12.08.2014
29	Innovations in Civil Engineering	24.06.14
30	Unbonded Post Tensioned Floor System	04.09.2014

31	Modelling and Comparison of Performance Studies on SBR using Sewage and Dying Waste Water	03.11.2014
32	Experimental Investigation on Multi bay Multi Storey Frames with Precast Members Subjected to Cyclic Loading	11.11.2014
33	Influence of Stiffness Degradation and Sequence of Construction in Seismic Performance Evaluation of Lateral Load Resisting Systems	11.11.2014
34	Hazardous Waste and Contaminated Site Management	13.12.2014
35	Acceptance Criteria for Concrete as per IS 456	06.01.2015

LIST OF WORKSHOPS ORGANIZED (RECENTLY)

. No	Workshops/Training Program	Date	No. of Days
1	Construct Structures that don't Deteriorate through Effective Water Proofing	28.07.2004	1
2	Design of High strength and High Performance Concrete	01.02.2005	1
3	Corrosion of steel rebars in RCC structures	28.02.2005	1
4	Quantity Surveying and Estimation in Civil Engineering	07.03.2005	1
5	Environmental Management and Water Resources Development	14.03.2005	1
6	Dynamics and Non-Destructive Testing of Structures	29.07.2005	1
7	Repair and Rehabilitation of Structures	30.12.2005	1
8	Problems and Treatment of Foundation Soils	13.03.2006	1
9	Seismic Design of RCC structures	13.03.2007 & 14.03.2007	2
10	Concrete Mix Design – A Practical Approach	23.03.2007	1
11	Earthquake Resistant Design of Masonry Structures	11.03.2009	1
12	Protective Coatings for Enhancing Durability of Structures	31.07.2009	1
13	Sustainable Technologies for Management of Pesticide Residues and Heavy Metals in Industrial Waste Water	22.01.2010	1
14	Technology Road Map For Sustainable Water And Waste Water Treatment	18.02.2011	1
15	Modern Concrete Techniques	24.02.2011	1
16	Training Programme on Green Building	10.10.2011 to 12.10.2011	3
17	Green Building Awareness Programme	05.08.2011	1
18	Current trends in Ready mix concrete	15.02.2013	1
19	Evaluation of Strength of Concrete Structures using Non Destructive Testing Materials	26.02.2013	1
20	A Practical Approach on Utilization of Cement and Admixture in Concrete	02.09.2013	1
21	Green Building and Sustainable Efficient Energy Systems-Challengers in India	06.09.2013	1
22	A Practical Approach on Non-Destructive Testing Techniques	23.10.2013	1
23	Construction Planning, Techniques & Management – A New Paradigm	10.12.2013	1

24	State of Art in digital surveying	19.12.2013	1
25	Research Significance and better Implementation	24.02.2014	1
26	Recent Developments in Transportation Engineering	07.03.2014	1
27	Ground Improvement Techniques for Foundation and Pavements	14.03.2014	1
28	Utilization of mineral admixtures in sustainable concrete	18.07.2014	1
29	Application of effective Technologies for Green construction and Management	22.07.2014	1
30	Finite Element Analysis For Structural Building Design And Use Of ANSYS Software	06.08.2014	1
31	Design & construction error and their remedy	27.08.2014	1
32	On Applications of GIS & Remote Sensing In Civil Engineering	19.09.2014	1
33	Seismic Design with Demonstration.	12.01.2015	1
34	Civil Engineering Application in Defense Service	22.01.2015	1
35	Trends in Environmental Engineering and Global Issues	29.07.2015	1
36	Recent Advances in Construction Techniques	14.08.2015	1
37	Development of Sustainable Infrastructure	20.08.2015	1
38	Construction Challenges for Practicing Civil Engineers	17.12.2015	1
39	Contract Administration and Alternate Dispute Resolution in Construction	19.01.2016	1

INTERNATIONAL JOURNALS

1. **Subramanian.K.**, Elangovan.A., and Kopperundevi.G., “Stability of Plates with Reinforced Cutouts”, International Journal of Structures, Vol. 11, No. 2, pp. 103 – 117, 1991.
2. **Subramanian.K.**, Elangovan, A., and Rajkumar,R., “Elastic Stability of Varying Thickness Plates Fem”, Computers and Structures, Vol. 48, No.4, pp. 733 – 738, 1993.
3. **Subramanian.K.**, Mini.K.M and Josephine Kelvina Florence.S., “Neural Network based modeling of infilled steel frames”, International Journal on Structural Engineering and Mechanics, Vol. 21, No. 5, pp. 495 - 506, 2005.
4. **Subramanian.K.**, and Eswaramoorthi.P., “Studies on the behaviour of fibre composite slabs under impact”, Journal of Ferrocement, 2005
5. **Subramanian.K.**, and Kalaiarasu.M., “Properties of Recycled Aggregate Concrete with Silica Fume”, Journal of Applied Sciences, Vol.6, No.14, pp. 2956 - 2958, 2006
6. **Subramanian.K.**, and Kalaiarasu.M., “Recycled Aggregate Concrete – A case study”, Engineering Today,Vol.3, No.2, pp. 14 - 16, 2006
7. **Subramanian.K.**, Arulselvan.S., and Santhakumar.A.R., “Experimental Investigation on Interaction of Two Dimensional R.C. Plane Frame – R.C. Infilled Frame for Seismic Resistance”, Engineering Today, Journal of Technological World, Vol. 8, No. 8, pp. 14 - 17, 2006
8. **Subramanian.K.**, and Malathy.R., “Role of Admixtures in Reducing Permeability and Corrosion of High Performance Concrete”, Civil Engineering and Construction Review, Vol.19, No.12, pp. 38 - 43, 2006
9. Usha Rani.M., and **Subramanian.K.**, “Experimental studies on Reinforced Concrete corroded columns under loading condition”, Journal of Electrochemical, Vol. 22, No. 6, pp. 263 – 268, 2006
10. Kalaiarasu.M., and **Subramanian.K.**, “The properties of recycled aggregates concrete with fumed silica”, ISSN 1311 – 4360, Vol. 21, Academic Open Internet Journal, 2007
11. Arulselvan.S., **Subramanian.K.**, Perumal Pillai.E.B., and Santhakumar.A.R., “R.C. Infilled Frame – R.C. Plane Frame Interactions for Seismic Resistance”, Journal of Applied Sciences, Vol.7, No.7, pp. 942 - 950, 2007
12. Mini.K.M., and **Subramanian.K.**, “Neural network model for the analysis of infilled framed structures”, Archives of Civil Engineering, Vol. III, No. 04, pp. 640 – 662, 2007
13. Malthy.R., and **Subramanian.K.**, “Effect of glass fibers on restrained plastic shrinkage cracking of HPC with silica fume”, Journal of scientific and Industrial Research, Vo.66, No.7, pp.748, 2007.
14. Mini.K.M., and **Subramanian.K.**, “Analysis and assessment of infilled framed structures using Artificial Neural Networks”, Journal of Structural Engineering
15. Mini.K.M., **Subramanian.K.**, and Michael Raj.A., “Modeling of infilled framed structures using Artificial Neural Networks”, Acta Technica, Prague
16. Arulselvan.S., and **Subramanian.K.**, “Experimental investigation on three dimensional RC infilled frame – RC plane frame interaction with slab for seismic resistance”, American Journal of Applied Sciences, Vol. 5, No. 4, pp. 325 – 333, 2008
17. Nandhini Devi.G., **Subramanian.K.**, and Santhakumar.A.R., “Structural response of multi-bay multi-storey mixed lateral load resisting system under seismic type loading”, International Journal of Earth Sciences and Engineering, Vol. 2, No. 2, pp. 145 – 153, 2009

18. **Subramanian.K.**, and Jayaguru.C., "Lateral behaviour of partially infilled reinforced concrete frames with masonry inserts", Journal of Civil Engineering Research and Practice, Vol. 6, No. 2, pp. 1-10, 2009
19. **Subramanian.K.**, and Divakar.K., "Critical success factors in the real time monitoring of construction projects", Research journal of applied science, engineering and technology, Vol.1, No.2, pp.35-39, 2009.
20. **Subramanian.K.**, and Divakar.K., "Critical factors to be monitored for successful completion of construction projects", International journal of applied engineering research, Vol.4, No.8, 2009.
21. Chinnaraju.K., **Subramanian.K.**, and Senthil Kumar.S.R.R., "Influence of Addition of Silica Fume and Fly Ash on Strength aspects", Caledonian Journal of Engineering, Vol.05, pp.11-16, 2009
22. **Subramanian.K.**, and Jayaguru.C., "Seismic retrofit of partially infilled reinforced concrete frames", International Journal of Earth Sciences and Engineering, Vol. 3, No. 3, pp. 434 – 439, 2010
23. Mini.K.M., and **Subramanian.K.**, "Failure of Infilled Frames - A Study Using Artificial Neural Networks", International Journal of Design Engineering, 2010
24. Muthupriya.P., **Subramanian.K.**, and Vishnuram.B.G., "Strength and durability characteristics of High Performance Concrete", International Journal of Earth Sciences and Engineering, Vol. 3, No. 3, pp. 416 – 433, 2010
25. Muthupriya.P., **Subramanian.K.**, and Vishnuram.B.G., "Effect of Silica fume on strength properties of High Performance Concrete", IETECH Journal of Civil and Structures, Vol. 3, No. 1, pp. 33 – 41, 2010
26. Muthupriya.P., **Subramanian.K.**, and Vishnuram.B.G., "Experimental investigation on behaviour of High Performance RC Columns", IETECH Journal of Civil and Structures, Vol. 3, No. 1, pp. 07 – 16, 2010
27. Kalpana, V.G., and **Subramanian, K.**, "Performance of RC beams in flexure with externally bonded textile fabric", International Journal of Earth Sciences and Engineering, Vol.03, No. 03, pp. 483-488, 2010.
28. Chinnaraju.K., **Subramanian.K.**, and Senthil Kumar.S.R.R., "Strength Properties of HPC using binary, ternary and quaternary cementitious blends", Structural concrete, Vol.11, No.4, pp.191-198, 2010.
29. Chinnaraju.K., **Subramanian.K.**, and Senthil Kumar.S.R.R., "Role of fly ash and silica fume on durability characteristics of high performance concrete", 2011 International Journal of Advances in Civil Engineering, Vol.04., pp.17-27,2011.
30. Kalpana.V.G., and **Subramanian.K.**, "Behaviour of concrete beams reinforced with GFRP bars", Journal of Reinforced Plastics and Composites, Vol. 30, No. 23, pp. 1915 – 1922, 2011
31. Kalpana, V.G. and **Subramanian, K.** "Experimental study on strengthening of RC beams using textile reinforcements", Civil Engineering & Construction Review (CE &CR), Vol.24, No. 07, pp.98-103, 2011.
32. Elangovan.C., and **Subramanian.K.**, "Reuse of alum sludge in clay brick manufacturing", Journal of Water Science and Technology, Vol. 11.3, pp. 333 – 341, 2011
33. Jayaguru.C., and **Subramanian.K.**, "Seismic behaviour of a partially infilled RC frame retrofitted using GFRP laminates", Experimental Techniques by Society for Experimental Mechanics, 2011
34. Muthupriya.P., **Subramanian.K.**, and Vishnuram.B.G., "Experimental investigation on high performance reinforced concrete column with Silica fume and Fly ash as admixtures", Journal of Structural Engineering, Vol. 38, No. 1, pp. 46 -59, 2011

35. Muthupriya.P., **Subramanian.K.**, and Vishnuram.B.G., “Experimental investigation on high performance reinforced concrete column with Silica fume and Fly ash as admixtures”, Asian Journal of Civil Engineering (Building and Housing), Vol. 12, No. 5, pp. 597 – 618, 2011
36. Muthupriya.P., **Subramanian.K.**, and Vishnuram.B.G., “Prediction of compressive strength and durability of HPC by Artificial Neural Networks”, International Journal of Optimization in Civil Engineering, Vol. 1, pp. 189 – 209, 2011
37. Muthupriya.P., **Subramanian.K.**, and Vishnuram.B.G., “Investigation on behaviour of high performance RC columns with Metakaolin and Fly ash as admixtures”, International journal of Advanced Engineering and Technology, Vol. 2, No. 1, pp. 190 – 203, 2011
38. Devi.G.N., **Subramanian.K.**, and Santhakumar.A.R., “Experimental Investigations on Reinforced Concrete Lateral Load Resisting Systems under Lateral Loads”, Experimental Techniques, Vol. Loads”, Experimental Techniques, Vol. 5, No. 4, pp. 59 – 73, 2011
39. Kalpana, V.G., and **Subramanian.K.**, "Flexural behaviour of concrete beams strengthened with near surface mounted AFRP rods and externally bonded fabric", Journal of Structural Engineering, (Madras), Accepted for publication, 2012.
40. Muthuraj,M.P. and **Subramanian.K.**, "Comparison of Experimental Investigation on Glass Fibre Reinforced Polymer Bridge Decks Subjected to Static Loading with Analytical Evaluation using ABAQUS", European Journal of Scientific Research, ISSN 1450 - 216 Vol.72, No.2, pp. 311-325, 2012.
41. Subramanian.C., **Subramanian.K.**, and Sekar.A.S.S., “A new parameter free meta-heuristic algorithm for continuous optimization: African wild dog algorithm”, European Journal of scientific research, Vol.92, No.3, pp.348-356, 2012.
42. **Subramanian.K.**, Velayutham.M., and Nithyapriya.K., “Efficient three dimensional seismic analysis of a high rise building and the influence of zone factor”, International Journal of Civil Engineering, vol. 4, no. 1, pp. 1-13, 2012.
43. Chinnaraju.K., **Subramanian.K.**, and Senthil Kumar.S.R.R., “Role of silica fume and GGBS on strength characteristics of high strength concrete”, Journal of Earth Science and Engineering, Vol.04., pp 450 – 457, 2012.
44. Muthuraj, M. P. and **Subramanian.K.**, "Experimental Investigation of Glass Fibre Reinforced Plastic Bridge Decks Subjects to Static and Fatigue Loading", International Association for Engineering and Management Education, ISSN 0976-6308, Vol.4, No.3, 2013.
45. **Subramanian.K.**, and Velayutham.M., “Seismic performance of lateral load resisting systems”, Structural Engineering and Mechanics, Impact Factor 0.766, Vol.51, No.3, pp. 487-502, 2014
46. **Subramanian.K.**, and Velayutham.M., “Construction sequence analysis of multi-story structures”, International Journal of Earth Sciences and Engineering, SNIP 0.16, Accepted for publication in Feb. 2015, Vol. 8, No.1, 2014.
47. **Subramanian.K.**, and Velayutham.M., “Stiffness Degradation of High Rise Structures”, International Journal of Latest Technology in Engineering, Management and Applied Science, vol. III, no. VII, pp. 56-59, 2014
48. Shanmugapriya.S., and **Subramanian.K.**, “Investigations of significant factors influencing time and cost overruns in Indian construction projects”, International journal of Emerging Technology and advanced engineering, Vol.3, No.10, 2013.
49. **Subramanian.K.**, and Kannan.A., “An experimental study on usage of quarry dust as partial replacement for sand in concrete and mortar”, Australian journal of basic and applied science, Vol.7, No.8, pp.955-967, 2013.

50. Subramanian.C., Sekar.A.S.S., and **Subramanian.K.**, "A new engineering optimization method:African wild dog Algorithm", International Journal of sift computing, Vol.8, No.3, pp.163-170, 2013.
51. Anbuvelan.K., and **Subramanian.K.**, "An empirical relationship between modulus of rupture, modulus of elasticity and compressive strength of M60 concrete containing metakaolin", Research Journal of applied science, engineering and technology, Vol.8, No.11, pp.1294-1298, 2014.
52. Anbuvelan.K., and **Subramanian.K.**, "Elastic properties of High Performance concrete containg Metakaolin, Steel fibre & polypropylene Fibre", International Journal of Applied Engineering Research, Vol.9, No.21, pp.10585-10597, 2014.
53. Anbuvelan.K., and **Subramanian.K.**, "Experimental investigations on Elastic properties of Concrete containing steel fibres", International Journal of engineering and technology, Vol.6, No.1, pp.171-177, 2014.
54. Anbuvelan.K., and **Subramanian.K.**, "A comparative study on High Performance Fibrous Concrete Containing Metakaolin, Polypropylene Fibre & Steel Fibre", International Journal of earth sciences and engineering, Vol.7, No.2, pp., 2014.
55. Anbuvelan.K., and **Subramanian.K.**, "Behaviour of hgh Performance Steel Fibre Reinforced Concrete in Exterior Beam-Column joint – A General review", Australian Journal of basic and applied sciences, Vol.8, No.7, pp.215-219, 2014.
56. Anbuvelan.K., and **Subramanian.K.**, "Influences of polypropylene Fibre in Modulus of elasticity, Modulus of rupture and compressive strength of concrete", Australian Journal of basic and applied sciences, Vol.8, No.7, pp.225-230, 2014
57. Shanmugapriya.S., and **Subramanian.K.**, "Ranking of key factors in the Indian Construction Industry", International research journal of engineering and technology, Vol.2, No.7, pp.907-913, 2015.
58. Shanmugapriya.S., and **Subramanian.K.**, "Structural equation model to investigate the factors influencing quality performance in Indian Construction Projects", Sadhana – Academic of Science, Vol.40, No.6, pp.1975-1987, 2015.
59. Shanmugapriya.S., and **Subramanian.K.**, "Partial Least Squares Structural Equation Modelling to Investigate the Factors Influencing Productivity in Indian Construction Projects", Australian Journal of Basic and applied sciences, Vol.9, No.23, pp.446-456, 2015.
60. Shanmugapriya.S., and **Subramanian.K.**, "Developing a PLS path model to investigate the factors influencing safety performance improvement in construction organizations", KSCE Journal of Civil Engineering, pp.1-13, 2015.

NATIONAL JOURNALS

1. Kalaiarasu.M., and **Subramanian.K.**, “Strength and durability of High Performance Concrete using artificial sand”, National journal on Engineering and Technology, Vol. 1, No. 3, pp. 88 – 92, 2006
2. Vishnuram.B.G., MuthuPriya.P., and **Subramanian.K.**, “Repair of Damaged R.C. square column with Glass Fibre Reinforced Polymer Composites”, Journal of The Institution of Engineers(India), Vol.87, pp. 73 – 82, 2006
3. Vishuram.B.G., MuthuPriya.P., Natesan.S.C., and **Subramanian.K.**, “Seismic Retrofit of R.C. Columns with Glass Fibre Reinforced Polymer Composites”, Civil Engineering and Construction Review, Vol.19, No.10, pp. 70 - 76, 2006
4. Usha Rani.M., and **Subramanian.K.**, “Experimental Study on Axial Behaviour of R.C. Columns subjected to Steel Corrosion under Loading”, i-Manger’s Journal on Engineering and Technology, Vol.2, No.1, pp. 57 - 64, 2006
5. Usha Rani.M., and **Subramanian.K.**, “Experimental Investigation on axial behaviour of R.C. columns subjected to steel corrosion under loading”, Indian Concrete Journal, Vol.80, No.11, pp. 38 - 45, 2006
6. Usha Rani.M., and **Subramanian.K.**, “Utilization of FA and BA as the ecofriendly building materials”, Nature, Environment and Pollution Technology, Vol. 6, No. 4, pp. 557 – 564, 2007
7. Usha Rani.M., and **Subramanian.K.**, “Experimental Study on Reinforced Concrete Corrected Columns”, Civil Engineering and Construction Review, Vol.20, No.7, pp. 72 - 80, 2007
8. Usha Rani.M., and **Subramanian.K.**, “Mechanical properties of concrete using FA and BA as a cementitious material”, New Building Materials and Construction World, Vol. 6, No. 4, pp. 557 – 564, 2007
9. Malathy.R., and **Subramanian.K.**, “Drying shrinkage of cementitious composites with mineral admixtures”, Indian Journal of Engineering and Material Science, Vol.14, pp. 146 - 150, 2007
10. MalathyR., **Subramanian.K.**, and Ramesh Kumar.M., “Effect of glass fibers on restrained plastic shrinkage cracking of HPC with silica fume”, Journal of scientific and industrial research, Vol.66, no.9, pp.748, 2007
11. Vishnuram.B.G., MuthuPriya.P., and **Subramanian.K.**, “Retrofit of R.C. square column with Glass Fibre Reinforced Polymer Composites”, Indian Concrete Institute Journal, Vol.8, No.1, pp. 15 – 27, 2007
12. MalathyR., and **Subramanian.K.**, “Role of Silica fume, Metakaoline and Fly ash against expansion of concrete due to Alkali Silica Reaction”, Indian Concrete Institute, Vol. 9, No. 2, pp. 15 – 18, 2008
13. Nagarajan.V., and **Subramanian.K.**, “Studies on the influence of water cement ratio on the properties of pervious concrete made with natural and recycled aggregate”, Journal of Future Engineering and Technology, Vol. 3, No. 3, pp. 62 – 67, 2008
14. Nagarajan.V., and **Subramanian.K.**, “Studies on the influence of water cement ratio on the properties of pervious concrete made with natural and recycled aggregate”, i-manager’s Journal on Engineering and Technology, 2008
15. Nandhini Devi.G., **Subramanian.K.**, and Santhakumar.A.R., “Seismic evaluation of multi-bay multi-storey RC frame using Finite Element Analysis”, Engineering Today, Vol. 10, Issue. 10, pp. 13 – 16, 2008
16. Nandhini Devi.G., **Subramanian.K.**, and Santhakumar.A.R., “Reversed cyclic lateral load effects on multi-storey RC shear wall – An effective lateral resisting system”, Journal of Future Engineering and Technology, Vol. 3, No. 4, pp. 51 – 61, 2008

17. Vinayagam.P., Sundararajan.R., and **Subramanian.K.**, "Behaviour of Axially loaded Composite columns", Journal of Civil engineering and construction review, pp.106-117, 2008.
18. **Subramanian.K.**, and Jayaguru.C., "Behaviour of partially infilled RC frame in shear", Journal of Future Engineering and Technology, Vol. 3, No. 4, pp. 33 – 39, 2008
19. **Subramanian.K.**, Jayaguru.C., "Experimental evaluation and retrofit of RC frames with captive column defects", ING – IABSE The Bridge and Structural Engineer, Vol. 40, No. 1, pp. 37 – 47, 2010
20. **Subramanian.K.**, and Jayaguru.C., "Seismic strengthening of captive columns in reinforced concrete frames", Civil Engineering and Construction Review, pp. 64 – 71, 2010
21. Elangovan.C., and **Subramanian.K.**, "Reuse of WTP sludge in clay brick manufacturing process", Journal of Civil Engineering, 2011.
22. Muthupriya.P., **Subramanian.K.**, and Vishnuram.B.G., "Reducing pollution by using fly ash in concrete works", Journal of Ecotoxicology and Environmental Monitoring, Vol. 21, No. 2, pp. 151 – 156, 2011.
23. **Subramanian.K.**, and Velayutham.M., "Seismic analysis and the influence of zone factor of multi-story hospital building - A case study", Journal on Structural Engineering, vol. 1, no. 1, pp. 39-47, 2012.
24. Gopinathan.M.J., and **Subramanian.K.**, "Performance and efficiency of joints in precast members", Journal of Structural Engineering (Madras), Vol.39, No.1, pp. 90-95, 2012.
25. Gopinathan.M.J., and **Subramanian.K.**, "High performance and efficiency of joints in precast members", International Journal of Engineering and Technology, Vol.5, No.5, pp.40002-4009, 2013.
26. S Shanmugapriya, and **K Subramanian**, "Developing a PLS Path model to investigate the factors influencing safety performance improvement in construction organisations" , KSCE Journal of Civil Engineering, 2016.

INTERNATIONAL & NATIONAL CONFERENCES PROCEEDINGS

1. **Subramanian.K.**, Vijayalakshmi.V., and Eswaramoorthi.P., "Buckling of orthotropic plates subjected to partial edge loading", Proceedings of the International Conference on Stability of Structures, Coimbatore, Vol. 1, pp. 507 – 516, 1995
2. Umarani.C., **Subramanian.K.**, and Elangovan.A., 'Stability of Rectangular Plates with Loading Singularity', International Conference on 'Stability of Structures', ICSS —95, 7th — 9th June, 1995, P.S.G. College of Technology, Coimbatore. pp. 517-526.
3. **Subramanian.K.**, and Vijayalakshmi.V., "Buckling analysis of floor of a high-rise building" Proceedings of the National Conference on "High rise structures" at Allahabad, India. Vol. I, pp. 101-113, 1995
4. **Subramanian.K.**, and Vijayalakshmi.V., "Stability Analysis of Fibre reinforced composite plates" Proceedings of the National Conference on "Innovations in Construction Engg. & Practice", Chidambaram, India. Vol I, pp.87-96, 1996.
5. **Subramanian.K.**, Chinnaraju, K., and Prasad.S.R.K., "Optimal Design of Industrial Building Systems by Multilevel Synthesis" International Conference on 'Operations Research and Industry', Agra, Dec-1998.
6. **Subramanian.K.**, and Vijayalakshmi.V., "Buckling Analysis of Rectangular Composite Plates Containing Holes of Cut Outs", 45th Islam, Congress, Sivakasi, Vol. I, pp. 103-111, 2000.
7. **Subramanian.K.**, and Vijayalakshmi.V., "Mathematical Analysis of Slender Structures Under Complex Loading" Proceedings of The International Conference "ICRAMS", Indian Institute of Technology, Kharagpur, 2000.
8. **Subramanian.K.**, and Mercy Shanthi,R., "Genetic Algorithm in Design of Structural Elements", International Conference on Intelligent Flexible Autonomous Manufacturing Systems towards Rapid Exploration and Optimization, Coimbatore, January, 2000.
9. **Subramanian.K.**, and Chinnaraju.K., "Intelligent Design of Manufacture of Industrial Building Systems", International Conference on Intelligent Flexible Autonomous Manufacturing Systems, Coimbatore, Jan-2000
10. **Subramanian.K.**, Mercy Shanthi.R., and Justin.S., "Genetic Algorithm for Civil Engineering Structures", National Symposium on Intelligent Measurement and Control, February, 25,26, MIT, Anna University, Chennai, 2000.
11. Rasappan.K., **Subramanian.K.**, and Ramadass.S., "Calibration curves for sediment load measurement", National Conference on Eco-friendly technologies for Sustainable Development, P.S.G. College of Arts and Science, Coimbatore, March 27 – 29, 2000
12. Rasappan.K., **Subramanian.K.**, and Ramadass.S., "State of the art in mitigation of reservoir sedimentation", National Conference on Eco-friendly technologies for

Sustainable Development, P.S.G. College of Arts and Science, Coimbatore, March 27 – 29, 2000

13. Chinnaraju.K., and **Subramanian.K.**, and Sudhir Kumar.M.R., “Intelligent design and manufacturing of industrial building systems”, International Conference on Intelligent Flexible Autonomous Manufacturing Systems, 2000.
14. Chinnaraju.K., and **Subramanian.K.**, and Sudhir Kumar.M.R., “Optimal design of industrial building systems by multilevel synthesis”, International Conference on Intelligent Flexible Autonomous Manufacturing Systems.2000.
15. **Subramanian.K.**, and Vijayalakshmi.V., “Design of Slender Composite Structural Elements Under in –Plane Loading”, International Conference in Civil Engineering, IISC., Bangalore, July, 2001
16. **Subramanian.K.**, Mercy Shanthi.R., and Nirmala Rani.L., “Topology and Configuration of Truss Using Genetic Algorithms”, International Conference on Civil Engineering, Pp 450-457, IISC, Bangalore, July, 2001
17. **Subramanian.K.**, Mercy Shanthi.R., Elizabeth.S., and Joby.V.O., “Optimization of Transmission Line Towers Using Genetic Algorithms”, International Conference on Civil Engineering Bangalore, July, 2001
18. **Subramanian.K.**, and Vijayalakshmi.V., “Influence of Holes on Slender Composite Structural Elements Under in Plane Loading”, International Conference on Civil Engineering, Bangalore, pp.488 – 499, July 2001.
19. **Subramanian.K.**, Rasappan.K., Kalaiarasu.M., and Sekar.K., “Sustainable Development Mitigation of Reservoir Sedimentation”, Proceedings Environment 2001, National Conference on Control of Industrial Pollution and Environmental Degradation, PSG College of Technology, Coimbatore. September 14-15, pp.No. 448 – 450, 2001.
20. Eswaramoorthi.P., and **Subramanian.K.**, “Behaviour and Response of Structural Elements under Impact”, Proceedings of the International Conference on Civil Engineering, IISC Bangalore, Vol. 1, pp. 143 – 147, 2001
21. Mercy Shanthi.R, **Subramanian.K.**, and Brema.J, “Genetic Optimization of Roof Sheds”, Proceedings of the National Symposium on Impact of Computers and Information Technology in Civil Engineering, Karunya Institute of Technology, Coimbatore, 2001
22. Mercy Shanthi.R., **Subramanian.K.**, Sridhar.S., and Nirmala Rani.L., “Back Propagation Neural Network Applications for Civil Engineering Problems”, Proceedings of the National Seminar on Interactive Integrated Technological Advancement – Recent Trends, College of Engineering, Thiruvananthapuram, 2002
23. Eswaramoorthi.P., and **Subramanian.K.**, “Impact Resistance of plated structural elements – An experimental study”, Proceedings of the National Seminar on Civil Engineering Strategies in the making of India a Global Giant, Chennai, Vol. 1, pp. 57 – 61, 2002
24. Vijayalakshmi.V., and **Subramanian.K.**, “Experimental Investigation on Instability of GRP Plates Under Edge Loads”, Proceedings of The National Seminar on Aerospace Structures, NAL Laboratories, Bangalore, February, 2002
25. Nagarajan.V., and **Subramanian.K.**, “Recycled concrete waste as aggregate for concrete making”, Proc. Of “Further of concrete Technology & Optimal design of RCC Structures”, December, 2002, Coimbatore

26. Eswaramoorthy.P., and **Subramanian.K.**, “Composite slabs response to freefall impact”, Proc. Of “Further of concrete Technology & Optimal design of RCC Structures”, Vol. 1, pp.147 – 151, December, 2002, Coimbatore
27. Mini.K.M., and **Subramanian.K.**, “Optimal design of RCC Infilled frames using ANN”, National Conference on Futuristics of Concrete Technology and Optimal Design of RCC Structures, December, 2002, Coimbatore, pp. 193 - 196
28. Vijayalakshmi.V., and **Subramanian.K.**, “An approach to ANT colony optimization”, December, 2002, Coimbatore
29. Vijayalakshmi.V., **Subramanian.K.**, Chandrabulu Reddy.T., and Sathyanarayanan.R., “An approach to Ant colony optimization”, to be presented in the National Seminar on Fulunristics of concrete technology and optimal design of RCC Structures”, Karunya Institute of Technology, Coimbatore, December, 2002.
30. **Subramanian.K.**, Mercy Shanthi.R., and Velayutham., “Fuzzy constrain for GA based optimization on the trusses and transmission line towers”, International Conference on Digital Aided Modeling and Simulation, January 2003, CIT, Coimbatore.
31. Vijayalakshmi.V., and **Subramanian.K.**, “Evolving ANT colony optimization”, International Conference on Digital Aided Modeling and Simulation, January 2003, CIT, Coimbatore
32. Nagarajan.V., and **Subramanian.K.**, “Crushed concrete waste as aggregate for concrete making”, Proceedings of the National Conference on Advances in Civil Engineering, Perspectives of developing countries at Harcourt Butler Technological Institute, Kanpur, 2003
33. **Subramanian.K.**, and Mini.K.M., “Analysis of Frames using ANN”, DAMS, January, 2003, Coimbatore
34. Eswaramoorthy.P., and **Subramanian.K.**, “Impact Resistance of Composite Slab panels”, International Conference on Digital Aided Modeling and Simulation, January 2003, CIT, Coimbatore.
35. **Subramanian.K.**, and Malathy.R., “Role of Mineral Admixtures in the Performance of concrete in adverse Environment”, DAMS, January 2003, Coimbatore
36. Vijayalakshmi.V., and **Subramanian.K.**, “Evolving Ant Colony optimization” to be presented in the International conference on Digital Aided Modelling and Simulation”, Coimbatore Institute of Technology, Coimbatore, January, 2003.
37. Eswaramoorthi.P., and **Subramanian.K.**, “Behaviour and Response of Composite Slabs under Impact Load”, Proceedings of the International Conference on Recent Trends in Concrete Technology and Structures”, Coimbatore, Vol. 1, pp. 600 – 606, 2003
38. Eswaramoorthy.P., and **Subramanian.K.**, “Impact resistant industrial structure using modern composites”, ISIS, 2003, Coimbatore
39. **Subramanian.K.**, and Malathy.R., “High Performance concrete for Industrial Structures”, ISIS, 2003, Coimbatore
40. Mercy Shanthi.R., and **Subramanian.K.**, “Neural network for Truss Analysis & Design”, ISIS, 2003, Coimbatore
41. Nagarajan.V., and **Subramaniam.K.**, “A critical study on the properties of concrete made using natural aggregates and crushed concrete waste aggregates”, proceedings of

- the National conference on Recent Developments in materials and structures at National Institute of Technology, 2004, Calicut, India.
42. Mercy Shanthi.R., **Subramanian.K.**, and Sridhar.S., “A Neural Computing Approach for the Analysis of Concrete Structural Elements”, Proceedings of the National Conference on Materials and Structures at National Institute of Technology, Warangal, 2004
 43. Josephine Kelvina Florence.S., Mini.K.M., and **Subramanian.K.**, “Analysis of Infilled Frame using Artificial Neural Networks”, National Conference on Recent Advances in Civil Engineering, Cochin, 2004
 44. Kalaiarasu.M., and **Subramanian.K.**, ”High Performance Concrete using Artificial Sand”, Proceedings of the National Conference on Recent Developments in Materials and Structures at National Institute of Technology, Calicut, Dec 2-3, 2004
 45. Kalaiarasu.M., and **Subramanian.K.**,”Behaviour and Performance of High Strength Concrete using Artificial Sand”, Proceedings of the National Conference on New Perspectives and Paradigm in Materials, Design and Construction of Civil Engineering Systems, CIT, Coimbatore, 2005
 46. Mini.K.M., and **Subramanian.K.**, “Modeling of Infilled Reinforced Concrete Framed Structures using Artificial Neural Networks”, Proceedings of the National Conference on New Perspectives and Paradigm in Materials, Design and Construction of Civil Engineering Systems, CIT, Coimbatore, pp. 401 – 407, 2005
 47. Mercy Shanthi.R, **Subramanian.K.**, and Ejoumale. P, “Reliability of Steel Tower”, Proceedings of the National Conference on New Perspectives and Paradigm in Material, Design and Construction of Civil Engineering Systems, CIT, 2005
 48. Vishnuram.B.G., Pakachalamoorthy,P., Muthupriya.P, and **Subramanian.K.**, “Strengthening and Repair of Reinforced Concrete Columns with GFRP Composites”, Proceedings of Second National Conference on Advances in Materials and Mechanics of Concrete Structures, IIT, Madras, pp. 289 – 298, 2005
 49. Vishnuram.B.G., Jipson Jose., Muthupriya.P., and **Subramanian.K.**, “Finite Element Modelling of GFRP Confined Reinforced Cement Concrete Column subjected to Sustained Axial Load and Static Lateral Load (Push Over)”, Proceedings of Second National Conference on Advances in Materials and Mechanics of Concrete Structures, IIT, Madras, pp. 347 – 353, 2005
 50. Vishnuram.B.G., Jipson Jose., Muthupriya.P., **Subramanian.K.**, “Finite Element Modeling of GFRP Confined Reinforced Cement Concrete Column subjected to Sustained Axial Load and Static Lateral Load (Push Over)”, Proceedings of International Conference on Recent Advances in Concrete and Construction Technology, SRM Institute of Science and Technology, Chennai, pp. 823 - 832, 2005
 51. Vishnuram.B.G., Pakachalamoorthy.P., Muthupriya.P., and **Subramanian.K.**, “Retrofit of RC Square Column with Glass Fibre Reinforced Polymer Composites“, Proceedings of International Conference on Recent Advances in Concrete and Construction Technology, SRM Institute of Science and Technology, Chennai, pp. 663 – 676, 2005
 52. Suyamburaja Arulselvan., Perumal Pillai,E.B., and **Subramanian.K.**, “Brick Masonry Infills In Seismic Design of R.C. Frame ”, Proceedings of the National Conference on New Perspectives and Paradigm in Materials, Design and Construction of Civil Engineering

- Systems, Coimbatore Institute of Technology, Coimbatore, January, 10 – 11, pp 107 – 110, 2005.
53. Srisanthi.V.G., Santhakumar.A.R., and **Subramanian.K.**, “Experimental Investigation of Two Bay Five Storey RC Frame with Base Isolation”, Proceedings of National Conference on “New Perspectives and Paradigm in Materials, Design and Construction of Civil Engineering Systems (NPPCES- 2005)” held at Coimbatore Institute of Technology, Coimbatore during 10-11, January, 2005.
 54. Srisanthi.V.G., Santhakumar.A.R., and **Subramanian.K.**, “Experimental Investigation of Two Bay Five Storey RC Frame with Base Isolation”, Proceedings of National Conference on “New Perspectives and Paradigm in Materials, Design and Construction of Civil Engineering Systems (NPPCES- 2005)” held at Coimbatore Institute of Technology, Coimbatore during 10-11, January, 2005.
 55. Eswaramoorthi.P., and **Subramanian.K.**, “Response of Fibre Reinforced Composite Slabs due to Impact Load”, Proceedings of the International Conference on Advances in Concrete Composites and Structures, SERC, Chennai, Vol. 1, pp. 313 – 321, 2005
 56. Eswaramoorthi.P., **Subramanian.K.**, and Selvanayakam.M., “Studies on the behaviour of fibrous ferrocement slabs under impact”, Proceedings of the National Conference on New Perspectives and Paradigm in Materials, Design and Construction of Civil Engineering Systems, CIT, Coimbatore, Vol.1, pp. 303 – 309, 2005
 57. Mini.K.M., and **Subramanian.K.**, “Study of Infilled Framed Structures using Artificial Neural Networks”, Fifth International Conference on Analytical Models and New Concepts in Concrete and Masonry Structures, Gliwice, Poland, Paper No. 2/15, 2005
 58. Usha Rani.M., and **Subramanian.K.**, “Axial Behaviour of RC Columns subjected to corrosion”, Chennai, Nov 28 – 30, 2005
 59. Usha Rani.M., and **Subramanian.K.**, “Experimental Investigation on corrosion of RC fly ash columns”, Proceedings of the National Conference on New Perspectives and Paradigm in Materials, Design and Construction of Civil Engineering Systems, CIT, Coimbatore, 2005
 60. Usha Rani.M., and **Subramanian.K.**, “Axial Behaviour of RC columns subjected to steel corrosion under loading”, Proceedings of the second national Conference on Advances in Materials and Mechanics of Concrete Structures”, Chennai, Aug 12 – 13, pp. 329 – 335, 2005
 61. Suyamburaja Arulselvan., Perumal Pillai.E.B, **Subramanian.K.**, and Santhakumar.A.R., “Interface Behaviour of Brick Work”, International Interdisciplinary Conference on Sustainable Technologies for Environmental Protection ICSTEP 2006, Coimbatore Institute of Technology, Coimbatore, January 7- 9, 2006.
 62. Srisanthi.V.G., Santhakumar.A.R., **Subramanian.K.**, and Sethurathnam.A., “Experimental Investigation of Base Isolated RC Frame” , Proceedings of National Conference on “ Earthquake Analysis and Deign of Structures (EQADS-06)”, organized by PSG College of Technology, Coimbatore during 2 – 3, February, 2006.
 63. Suyamburaja Arulselvan., Perumal Pillai.E.B., **Subramanian.K.**, and Santhakumar.A.R., “Experimental Investigation on Two dimensional R C Infilled frame – R C Plane Frame interaction for Seismic Resistance”, Proceedings of the National

- Conference on Earthquake Analysis and Design of Structures, EQADS - 06, P S G College of Technology, Coimbatore, February 02 - 03, 2006, pp B 43 - B 55.
64. Eswaramoorthi.P., and **Subramanian.K.**, "Impact Resistance of fibrous ferrocement slabs", Proceedings of eighth International Symposium and Workshop on Ferrocement and Thin Reinforced Cement Composites, Feb 6 – 8, Bangkok, Thailand, pp. 133 – 140, 2006
 65. Usha Rani.M., and **Subramanian.K.**, "Non Destructive Testing Techniques on reinforced Concrete Corroded Columns", Proceedings of the National Conference on Composite Concrete, Coimbatore, Feb 20, pp. 34 – 51, 2006
 66. Usha Rani.M., and **Subramanian.K.**, "Structural Behaviour of RC Columns damaged by rebar corrosion", Proceedings of the National Conference on Innovative Technologies in Civil Engineering, Coimbatore, pp. 403 – 411, March 20 – 21, 2006
 67. Mini.K.M., and **Subramanian.K.**, "Analysis of Reinforced Concrete Framed Structures using Artificial Neural Networks", International Conference on Resource Utilization and Intelligent Systems, Erode, 2006
 68. Suyamburaja Arulselvan., Perumal Pillai.E.B., **Subramanian.K.**, and Santhakumar.A.R., "Strength Behaviour in Brick Joints", Proceedings of the National Conference on Innovative Technologies in Civil Engineering, ITCE-2006, Coimbatore Institute of Technology, Coimbatore, March 20 - 21, 2006, pp 610-627.
 69. Vishnuram.B.G., Muthupriya.P., **Subramanian.K.**, and Natesan.S.C., "Seismic Retrofit and Repair of Square Reinforced Concrete Columns with Glass Fibre Reinforced Polymer Composites", National Conference on Earthquake Analysis and Design of Structures, P.S.G. College of Technology, Coimbatore, 2006
 70. Roucoumany Saminathan., Kalaiarasu.M., and **Subramanian.K.**, "Flexural Shear Behaviour and Strength Properties of High Performance concrete using artificial sand", Proceedings of the National Conference on Front line Areas of Civil Engineering, V.L.B. Janakiammal College of Engineering, Coimbatore, April 20 – 25, 2007
 71. Muthuraj.M.P., and **Subramanian.K.**, "Flexural Strength of Hollow Rectangular Glass Fibre Reinforced Polymer Composite", International Conference on Global Manufacturing and Innovation, 27 - 29 July 2006, Coimbatore Institute of Technology, Coimbatore, 2006.
 72. Malathy.R., and **Subramanian.K.**, "Efficiency factor for silica fume and metakaoline at various replacement levels", 2nd conference on our world in concrete and structures in Singapore, Vol.28, No.29, pp.1, 2007
 73. Saravanan.S., Jayaguru.C., and **Subramanian.K.**, "Experimental study on partially infilled RC frames under lateral loading", Proceedings of National Seminar on Modern Trends in Structural Design and Construction Practices", Anna University, Chennai, pp. 92 – 99, Mar 23 – 24, 2007
 74. Usha Rani.M., and **Subramanian.K.**, "Utilization of fly ash and bagasse ash as the eco-friendly building materials", Proceedings of the National Conference on Frontline areas in Civil Engineering, Coimbatore, pp. 579 – 585, April 20 – 21, 2007
 75. Usha Rani.M., and **Subramanian.K.**, "Behaviour of Reinforced Concrete Corroded Column", Proceedings of the International Conference on Corrosion, Mumbai, Sep 26 – 28, 2007

76. **Subramanian.K.**, and Jayaguru.C., "Behaviour of partially infilled concrete frames in shear", Proceedings of third Structural Engineer's World Congress, Bangalore, Nov 2 – 7, 2007
77. **Subramanian.K.**, Muthuraj.M.P., and Suganya.B., "Static Behaviour of GFRP Bridge Deck Panels", Third International Conference on Structural Engineers World Congress, 2 - 7 November 2007, Bengaluru, 2007.
78. Vinayagam.P., **Subramanian.K.**, and Sundararajan.R., "Nonlinear response of concrete filled steel tubular composite columns under axial loading", Proceedings of International Conference on Integrating Mathematical Sciences within Society, Malaysia, pp. 489 – 501, Nov 28 – 29, 2007
79. Parthiban.K., **Subramanian.K.**, and Jayaguru.C., "Shear upgradation of captive columns in partially infilled RC frames using GFRP Composites", Proceedings of International Conference on Innovations in Building Materials, Structural Design and Construction Practices", BIT, Sathy, May 15 – 17, 2008
80. Suyamburaja Arulselvan., **Subramanian.K.**, and Perumal Pillai.E.B., "Studies on ductility behaviour of three - dimensional infilled RC frame with slab", Proceedings of the International Conference on Innovative and Smart Structural Systems for Sustainable Habitat, C.I.T. , Coimbatore, January 03 – 05, 2008
81. Suyamburaja Arulselvan., **Subramanian.K.**, and Perumal Pillai.E.B., "Experimental investigations on stiffness behaviour of three - dimensional infilled RC frame with slab", Proceedings of the International Conference on Innovative and Smart Structural Systems for Sustainable Habitat, C.I.T. , Coimbatore, January 03 – 05, 2008
82. Suyamburaja Arulselvan., **Subramanian.K.**, and Perumal Pillai.E.B., "Behaviour studies on energy dissipation capacity of three - dimensional infilled RC frame with slab", Proceedings of the International Conference on Innovative and Smart Structural Systems for Sustainable Habitat, C.I.T. , Coimbatore, January 03 – 05, 2008
83. Muthupriya.P., Vishnuram,B.G., and **Subramanian.K.**, "Study on mix proportioning and behaviour of High performance reinforced concrete beams", International Conference on Innovative and Smart Structural Systems for Sustainable Habitat, C.I.T. , Coimbatore, January 03 – 05, 2008
84. Chinnaraju.K, and **Subramanian.K.**, "Effect of mineral admixtures on strength characteristics of high strength concrete," International Conference on Innovative and Smart Structural Systems for Sustainable Habitat, C.I.T. , Coimbatore, January 03 – 05, 2008.
85. Usha Rani.M., and **Subramanian.K.**, "Behaviour of Reinforced Concrete Square Corroded Column", Proceedings of the International Conference on Innovative and Smart Structural Systems for Sustainable Habitat, C.I.T. , Coimbatore, January 03 – 05, 2008
86. **Subramanian.K.**, and Jayaguru.C., "Seismic strengthening of captive columns in RC frames", Proceedings of the fourth International Conference on Innovative World of Concrete, New Delhi, Dec 11 – 14, 2008
87. Kalpana, V.G., and **Subramanian, K.**, "Performance of RC beams in 4. flexure with externally bonded textile fabric", Proceedings of the International Conference on Advances in Concrete, Structural and Geotechnical Engineering, Birla Institute of Technology and Science, Pilani, pp.1-6, 2009.

88. Kalpana, V.G., and **Subramanian, K.**, "Behaviour of concrete beams reinforced with GFRP bars", Proceedings of National Conference on Contemporary Challenges and Pioneering Technologies in Civil Engineering , KSR College of Engineering, Tiruchengode, pp.416-423, 2010.
89. Elangovan.C., and **Subramanian.K.**, "Management of Water Treatment Plant Residues", Proceedings of the International Conference on Fifth Indian Environmental Congress, Trivandrum, pp. 131 – 142, March 22 – 23, 2010
90. Elangovan.C., and **Subramanian.K.**, "Utilising WTP Sludge for brick manufacture", Proceedings of International Conference on Earth Science and Engineering, Hyderabad, Aug 21, 2010
91. **Subramanian.K.**, and Muthuraj M.P. "Comparative Study on Glass Fibre Reinforced Polymer Bridge Decks with Conventional Concrete Bridges", International Conference on Seventh Structural Engineering Convention, 10 - 12 December, 2010, Annamalai University, Chidambaram, 2010.
92. Gobinathan.M.J., and **Subramanian.K.**, "Performance and efficiency of joints in precast members", Proceedings of the seventh Structural Engineering Convention, Anamalai University, Chidambaram, pp.892-902, 2010.
93. Jayaguru.C., **Subramanian.K.**, "Sustainable frames for Seismic Resistance to Captive Column Defects", The twelfth East Asia Pacific Conference on Structural Engineering and Construction", City University, Hongkong, pp. 741 – 742, Jan 26 – 28, 2011.
94. Kalpana, V.G., and **Subramanian, K.**, "Concrete beams strengthened with Near Surface Mounted AFRP Rods", Proceedings of National Conference on Recent Advances in Civil Engineering, IT BHU, Varanasi, pp. 280-282, 2011.
95. Kalpana, V.G., and **Subramanian, K.**, "Experimental study on flexural behaviour of concrete beams reinforced with GFRP Bars", Proceedings of International Conference on Advances in Materials and Techniques for Infrastructure Development, NIT Calicut, pp.1-11, 2011.
96. Muthupriya.P., Venila.A., and **Subramanian.K.**, "Flexural behavior of HPC rehabilitated with glass fibre reinforced polymer composites", Proceedings of international conference on "Earthquake analysis and design of structures", PSG Coimbatore, pp.310-317. Dec. 2011.
97. **Subramanian.K.**, and Velayutham.M., "Case study on seismic analysis of a ten story hospital building using ETABS", Proceedings of the Earthquake Analysis & Design of Structures, Coimbatore, pp. 310-317, 2011
98. **Subramanian.K.**, Muthuraj.M.P, Sridhar.R.S., and John Britto.X., "Geopolymer Concrete – A Simple Mix Design Approach", Proceedings of International Conference on Sustainability Challenges and Advances in Concrete Technology, Coimbatore, pp. 209 – 217, May 2 – 4, 2012
99. Karthik.M., and **Subramanian.K.**, "Influence of Artificial Sand in the Behaviour of Fibre Reinforced HPC", Proceedings of International Conference on Sustainability Challenges and Advances in Concrete Technology, Coimbatore, pp. 405 – 411, May 2 – 4, 2012
100. Praveenkumar.S, Arulmurugan.M., and **Subramanian.K.**, "Behaviour of HPC using Fibres in exterior Beam – Column Joint under Positive Cyclic Loading", Proceedings of

- International Conference on Sustainability Challenges and Advances in Concrete Technology, Coimbatore, pp. 566 - 570, May 2 – 4, 2012.
101. Muthuraj.M.P., and **Subramanian.K.**, "Static and Fatigue Behaviour of GFRP Bridge Deck Panels ", International Conference on Computational Modelling and Simulation, 09 - 12 December 2012, Indian Institute of Technology Hyderabad, Hyderabad, 2012.
 102. **Subramanian.K.**, and Velayutham.M., "Influence of seismic zone factor and the international codal provisions for various lateral load resisting systems in multi-story buildings", Proceedings of the ISET Golden Jubilee Symposium, Indian Institute of Technology, Roorkee, 2012.
 103. Nithyapriya.K., Velayutham.M., and **Subramanian.K.**, "Critical study of seismic provisions in different codes", Proceedings of the National conference on Innovations in Civil Engineering, Coimbatore, 2012.
 104. Saranya.A.K., and Velayutham.M., and **Subramanian.K.**, "Design alternatives of lateral load resisting systems", Proceedings of the National symposium on Recent trends in Civil Engineering, Coimbatore, 2013
 105. Subramanian.C., Sekar.A.S.S., and **Subramanian.K.**, "Constrained optimization using African wild dog algorithm", Proceedings of the national conference on recent innovations in civil engineering, pp.268-279, May-2013, ACCET, Karaikudi.
 106. Gopinathan.M.J., and **Subramanian.K.**, "Precast Multi-Storey Frame joints and Efficiency in Cyclic Loadings", International conference on disaster mitigation and management towards sustainable development held at Periyar Maniammai University, Thanjavur, 2-4 Dec 2013.
 107. Guhaashree.K.P., Velayutham.M., and **Subramanian.K.**, "Construction sequence analysis of lateral load resisting systems", Proceedings of the International conference on Innovations and advances in Civil Engineering towards green and sustainable systems, Coimbatore, 2014.
 108. Guhaashree.K.P., Velayutham.M., and **Subramanian.K.**, "Analysis of lateral load resisting systems", Proceedings of the National level conference on Frontier Applications in Civil and Environmental Engineering, Coimbatore, pp. 88-92, 2014.
 109. Gopinathan.M.J., and **Subramanian.K.**, "High Rise Multi storied Precast Building Beam Column Connections Efficiency", International Conference on INACES-2014, Coimbatore Institute of Technology, Coimbatore, 2014.

DECLARATION

I hereby declare that all information's furnished above is true and correct to the best of my knowledge and belief

(Dr.K.SUBRAMANIAN)