

Faculty Profile

1. Name : Abdul Bari J
2. Designation : Associate Professor
3. Date of Joining : 01.12.2008
4. Nature of Association : Regular
5. E mail : abdulbari@ksrct.ac.in
6. Mobile no. : +91 9965010624



7. Academic Qualifications:

Course	Name of the Institution / University	Year of Passing	% of Marks	Class
Ph.D (Civil Engineering)	Anna University, Chennai, India	Jan 2016	-	-
M.E (Structural Engineering)	Mepco Schlenk Engineering College, Sivakasi/ Anna University, Chennai, India	May 2006	78	I Class with Distinction
B.E. (Civil Engineering)	Kongu Engineering College, Perundurai/ Bharathiyar University, India	April 2004	80	I Class with Distinction
H.S.C.	J.K.K.Rangammal Matriculation Higher Secondary School, Komarapalayam, India	April 2000	77	First
S.S.L.C.	J.K.K.Rangammal Matriculation Higher Secondary School, Komarapalayam, India	March 1998	77	First

8. Teaching Experience

- **Associate Professor**, K.S.Rangasamy College Technology, Tiruchengode, from 14.01.2018 to till-date.
 - **Assistant Professor**, K.S.Rangasamy College Technology, Tiruchengode, from 01.12.2008 to 14.01.2018.
 - **Lecturer**, Adhiyamaan Engineering College, Hosur from 27.06.2007 to 11.11.2008.
 - **Lecturer**, Erode Senguthar Engineering College, Thudupathi, from 11.09.2006 to 30.04.2007
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9. Projects

Under Graduate

- **Title:** “Compressive Strength on Embedded Bricks”

Post Graduate

- **Title:** “Analysis of Polymer and Flyash modified Ferrocement Flexural Members”

Ph. D

- **Thesis title:** “Identification of Groundwater Potential Zones and Quality Modelling using GIS in Bhavani Taluk, Tamil Nadu, India”

10. Publications

International Journals

1. **Abdul Bari.J**, Vennila.G, Studies on Various Thematic Maps for Identifying Ground Water Potential Zones of Bhavani Taluk, Erode District, India, (2013), **Pollution Research**, Vol. 32, No.1, pp.55-60 .
2. **Abdul Bari.J** ,Vennila.G, Study on Ground Water Quality of Bhavani Taluk, Erode District, Tamilnadu, India, (2014), **International Journal of Earth Sciences and Engineering**, Vol. 07, No.02, pp.475-478.
3. **Abdul Bari J**, G.Vennila, T.M. Shanmugaraja, Physico-chemical characteristics of groundwater of Bhavani block, Erode District, Tamilnadu, India, (2015) **Rasayan Journal of Chemistry**, Vol.8, No.2. pp.198-202.
4. M. Jamuna, **J. Abdul Bari**, A. Ragavakeerthan, Physico- chemical analysis of Sub- Surface Water in Erode District, Tamilnadu, **International Journal of Applied Engineering Research**, (2015), Vol. 10 ,No. 13, pp.11671-11677.
5. **J.Abdul Bari**, G.Vennila, T.Subramani, M.Suresh, D.Karunanidhi, T.M.Shanmuga Raja, Hydrogeochemical investigation of Groundwater in Bhavani Taluk, Erode District, Tamil Nadu, India using GIS, (2016), **Indian Journal of Geo-Marine Sciences**, Vol.45. No. 9, pp.1154-1161.
6. S.Sridevi, **J.Abdul Bari**, “Strength Characteristics of Self Compacting Concrete Containing Flyash and Silicafume”, **International Journal of Scientific Research in Science, Engineering and Technology**, Vol.2 (2), (2016).
7. M.Arulkumar, **J.Abdul Bari**, “Flexural Behaviour of Polymer Modified Basalt Fiber Reinforced Conceret – A Review”, **International Journal of Applications in Civil and Environmental Engineering**, Vol 1(3), (2015).
8. N.Ramesh, S.Ramesh, G. Vennila, **J. Abdul Bari**, P. Mageshkumar, “Energy production through organic fraction of municipal solid waste – A multiple regression modeling approach” **Ecotoxicology and Environmental Safety**, Vol 134 Part 2, (2016). 99 350- 357.

9. M.Velumani, **J.Abdul Bari**, S.Mrunnalika, “Strengthening of RC Elements using Carbon Fiber Reinforced Polymer – Review” **International Journal of Engineering Technology, Management and Applied Sciences**, Vol.5, Issue 1,(2017), pp.76-81.
10. **J.Abdul Bari**, M.Velumani, B.Monisha, “An Investigation on Effects of Cement Concrete with an Addition of Corrosion Inhibitors – Review”, **International Journal of Engineering Technology Science and Research**, Vol.4 Issue 1, (2017) pp. 1-8
11. S.Vigneshkannan, **J.Abdul Bari** and P.Easwaran, “A General Study of Light Gauge Steel Structures” **International Journal of Advanced Research Methodology in Engineering and Technology**, Vol.1 Issue 4, Dec 2017
12. V.K.Shankar, G.Vennila, **J.Abdul Bari**, “Utilization of ETP Sludge from Textile Industry as a Partial replacement of Cement in Paver Blocks” **International Journal of Innovative Research Explorer**, Vol. 5, No.4, 2018, pp.12-15.
13. S.Vigneshkannan, **J.Abdul Bari**, “Numerical Investigation on Behaviour of cold formed build up steel columns” **International Journal of Innovative Research Explorer**, Vol. 5, No.4, 2018, pp.16-21
14. K.S.Krithiga, **J.Abdul Bari**, “Seismic Analysis of Framed Structures – A Review” **International Journal of Innovative Research Explorer**, Vol. 5, No.5, 2018, pp. 60-64.
15. K.S.Krithiga, **J.Abdul Bari**, “Experimental Investigation of Self Compacting Concrete using Hybrid Fibre” **International Journal of Scientific Research and Review**, Vol. 7, No.3, 2019, pp. 177-.183

Publication in National and International Conference

1. Presented a Paper titled “Design Aid for a Steel Column under Uniaxial Bending” in the National Conference on “**Failure Studies and Remedial Measures to Concrete Structures**”, jointly organized by KSR College of Engineering and AICTE, New Delhi at K.S.R. College of Engineering, Tiruchengode during Dec’ 19th & 20th, 2008.
2. Presented a Paper titled “Seismic Energy Conservation in Buildings using MR Dampers – Some Experimental Investigation” in National Conference on “**Emerging Trends in Civil Engineering(NCETCE -10)**” organized by Department of Civil Engineering, K.S.R. College of Engineering on 23rd Feb-2010.
3. Presented a Paper titled “Studies on Landuse, Landcover, Drainage and Slope for Identifying Groundwater Zone” in National Conference on “**Quest for Advancements in Civil Engineering**”, Department of Civil Engineering, SRM University, Ramapuram Campus on 15th March 2012.

4. Presented a Paper titled “Experimental study on performance of High volume fly ash concrete” in National Conference on “**Construction, Computing, Control, Communication and Manufacturing**” Organized by Auto, Civil, CSE, EEE, ECE, Mechanical and S&H Department, at SRS College of Engineering and Technology, Salem during 4th and 5th April 2013.
5. Presented a Paper titled “ Corrosion and Corrosion Protection of Metallic coated rebars in Pozzolanic Concrete Medium”, in **International Conference on Recent Trends in Engineering and Technology (ICRTET – 2014)** at Mount Zion College of Engineering and Technology, Pudukkottai, March 13 -14, 2014.
6. Presented a Paper titled “Water Quality Assessment for Bhavani Taluk, Erode District, Tamilnadu, India” in **International Conference on Green Technology for Environmental Pollution Prevention and Control (ICGTEPC 2014)** during 27th to 29th Sep 2014 and National Institute of Technology, Tiruchirapalli.
7. Presented a Paper titled “Assessment on the Impact of Industrial Effluents on Groundwater Quality in Erode, Tamilnadu” in **National Conference on Role of BioTechnology Tools and Techniques in Wastewater management (NCBTWM -15)**, jointly organized by Department of Civil Engineering and Department of Bio Technology, Sponsored by DBT, NewDelhi and SERB (DST), New Delhi at K.S.Rangasamy College of Technology during 3rd and 4th Feb 2015.
8. Presented a Paper titled “Strength Characteristics of Self Compacting Concrete containing Flyash and Silica fume” in the **National Conference of Innovation in Concrete and Construction (ICON – 2016)** at Sona College of Technology, Salem during 30th March 2016.
9. Presented a Paper titled “An Experimental Investigation on Self Compacting Concrete short column using Rice Husk Ash” in **International Conference on Engineering, Energy and Environment (ICEEE-2017)** at TRP Engineering College, Collaborated with National Institute of Wind Energy (NIWE), Ministry of New and Renewable Energy, Government of India, during 31st March to 2nd April 2017.
10. Presented a Paper titled “Strengthening of RC Short Columns with partial Replacement of Fine Aggregate by Copper slag using CFRP” in **International Conference on Engineering, Energy and Environment (ICEEE-2017)** at TRP Engineering College, Collaborated with National Institute of Wind Energy (NIWE), Ministry of New and Renewable Energy, Government of India, during 31st March to 2nd April 2017.

11. **Summer Training Programmes**

1. Participated in One day Conference Organized by *ISTE Chapter*, Erode Senguthar Engineering College, Thudupathi during 17th Nov- 2006.
2. Presented a Paper in National Conference on “*Failure Studies and Remedial Measures to Concrete Structures*”, at K.S.R. College of Engineering, Tiruchengode on Dec’ 19th& 20th, 2008.

3. Participated in the National Conference on “*Current Challenges in Civil Engineering*” Organised by Department of Civil Engineering, Velammal Engineering College, Chennai on 8th May 2009.
4. Presented a Paper in National Conference on “*Emerging Trends in Civil Engineering(NCETCE -10)*” organized by Department of Civil Engineering, K.S.R. College of Engineering on 23rd Feb- 2010.
5. Participated in National level Seminar on “*Green Building Concepts, Materials and Techniques*”, Organized by Department of Civil Engineering, VLB Janakiammal College of Engineering and Technology, Coimbatore on 12th Oct- 2010.
6. Participated in national workshop on “*Green Technologies*” Organized by Department of Civil Engineering, K.S.Rangasamy College of Technology, Tiruchengode on 20th August 2011.
7. Participated in National Conference on “*Emerging Technologies in Civil Engineering(ETCE'11)*” organized by Department of Civil Engineering, K.S.Rangasamy College of Technology in Association with ACC Limited on 2nd April 2011.
8. Presented a Paper in National Conference on “*Quest for Advancements in Civil Engineering*”, Department of Civil Engineering, SRM University, Ramapuram Campus- 15th March 2012.
9. Participated in national workshop on “*Energy conservation Technologies for Global Sustainability(NWECGS'12)*” Organized by Department of Civil Engineering in Association with MSM Environmental Solutions at K.S.Rangasamy College of Technology, Tiruchengode on 24th August 2012.
10. Attended CSIR Sponsored National Seminar on “*Innovative Site Remediation Techniques(NSISRT-13)*” organized by Department of Civil Engineering, K.S.Rangasamy College of Technology, Tiruchengode during 19th January 2013.
11. Attended in CSIR sponsored national seminar on “*Advanced Membrane Bioreactor for Wastewater Treatment*” organized by Department of Civil Engineering, K.S.Rangasamy College of Technology, Tiruchengode on 16th March 2013.
12. Participated in ISRO Sponsored national level seminar on “*GIS Application in Resource Management*”, organized by Department of Civil Engineering, Shree- Venkateshwara Hi-tech Engineering College, Gobi on 12th April 2013.
13. Presented a Paper in National Conference on “*Construction, Computing, Control, Communication and Manufacturing*” Organized by Auto, Civil, CSE, EEE, ECE, Mechanical and S&H Department, at SRS College of Engineering and Technology, Salem during 4th and 5th April 2013.
14. Attended CSIR sponsored National Seminar on “*Renewable Energy Technologies for Rural Development*” organized by Department of Civil Engineering, K.S.Rangasamy College of Technology, Tiruchengode on 23th August 2013.
15. Participated in Two week ISTE Workshop on “*Engineering Mechanics*” Conducted by Indian Institute of Technology, Bombay, under the National Mission on Education through ICT(MHRD) during 26th Nov to 06th Dec-2013.

16. Participated in Workshop on “*Application of Remote Sensing and GIS in Civil Engineering*” Organized by Department of Civil Engineering, Erode Builders Group of Institutions, Kangayam on 10th Jan 2014.
17. Participated in NRDMS-DST Sponsored National level workshop on “*Geospatial Technology and its applications*” organized Department of Civil Engineering, AVS Engineering College, Salem during 8.5.2014 to 10.5.2014.
18. Participated in National seminar on “*Bio diversity conservation: Status, Future and Way Forward*” Sponsored by National Academy of Biological Sciences (NABS) Organized by Department of Biotechnology, K.S.Rangasamy college of Technology, during 19th and 20th July 2014.
19. Participated in “*NPTEL Workshop*” organized by National Programme on Technology Enhanced Learning (IIT Madras) at K.S.Rangasamy College of Technology, Tiruchengode on 09th Aug 2014.
20. Attended National level workshop on “*Renewable Energy sources: Indian Scenario (NWRES-14)*” Conducted by Department of Civil Engineering, K.S.Rangasamy College of Technology in association with Hayman International, Erode on 22nd Aug 2014.
21. Presented a Paper in International Conference on “*Green Technology for Environmental Pollution Prevention and Control (ICGTEPC 2014)*” organized by Department of Civil Engineering, at National Institute of Technology, Tiruchirapalli during 27th to 29th Sep 2014.
22. Attended National workshop on “*Smart Renewable Energy Technologies: Opportunities and Challenges (NWSRT -15)*” at K.S.Rangasamy College of Technology, Tiruchengode on 28th Aug 2015.
23. Participated and served as Member of the Organizing committee in International Conference on Nanomaterials and Nano Technology (Nano 15) at K.S.Rangasamy College of Technology, Tiruchengode during 7th to 10th Dec 2015.
24. Attended one day workshop on “*Intellectual Property Rights*” at K.S.Rangasamy College of Technology, Tiruchengode on 6th Aug 2016.
25. Participated in CSIR sponsored National Seminar on “*Sustainable Solid Waste Management Technologies for Clean India(NSSWMT-17)*” organized by Department of Civil Engineering at K.S.Rangasamy College of Technology, Tiruchengode on 23rd June 2017.
26. Participated in AICTE Sponsored Staff Development Programme on “*Design and Analysis of Water Distribution Networks(DAWDN) in Civil Engineering*”, Organized by Department of Civil Engineering, Adhiyamaan College of Engineering, Hosur, during 17th to 21st September 2007.
27. Attended a One Day Tutorial on “*Design, Testing and Retrofitting of Structures for Earthquake Loading*” held at Central Power Research Institute, Bangalore on 27th Aug 2008.
28. Participated in Faculty Development Program on “*Strength of Materials*”, Organized by Department of Civil Engineering, Sengunthar Engineering College, Tiruchengode under Centre for Faculty Development, Anna University of Technology, Coimbatore during 18th to 24th Dec-2010.

29. Attended a Short term Course on “ **Research Methodology, Techniques of writing research articles and Ph.D Thesis Preparation**” sponsored by University Grants Commission(UGC), Organized by Department of Civil Engineering, College of Engineering, Guindy on 9th March 2013.
30. Participated in AICTE sponsored two week Faculty Development Programme on “**DISASTER MANAGEMENT**” at KSR College of Engineering, Tiruchengode during 11.05.2013 to 24.05.2013.
31. Participated in AICTE – MHRD - TEQIP-II sponsored One Week Faculty Development Programme on “**Modelling Techniques for Environmental and Hydrological Systems, MTEHS-2013**”, Organized by Department of Civil Engineering, National Institute of Technology, Calicut, Kozhikode during 8th to 14th Dec-2013.
32. Attended Short term course under Quality Improvement Programme sponsored by AICTE, Government of India on “**Paradigm Shift in Green and Sustainable Concrete Structures**” organized by Coimbatore Institute of Technology, Coimbatore during 27.10.2014 to 31.10.2014.
33. Participated in Two Week ISTE STTP on “**Pedagogy for Effective use of ICT in Engineering Education**”, conducted by IIT Bombay under National Mission on Education through ICT(MHRD) during 5th to 31st Jan 2015.
34. Participated in two week ISTE-STTP workshop on “**Introduction to Structural Engineering**” conducted by IIT Kharagpur, under National Mission on Education through ICT (MHRD) during 30th Nov 2015 to 9th Jan 2016.
35. Participated in One week QIP Short term training programme on “**Solid Mechanics**” at Indian Institute of Science, Bengaluru during 01.05.2017 to 05.05.2017.

12. Invited Lecture Delivered

- Delivered a special lecture to a training programme on “*Project management, planning and scheduling, contract management*” for Engineers at Hydro Training Institute/ Kuthiraikalmedu in the topic “*Importance and use of PERT & CPM in Project management*” on 18.12.2014.
- Keynote speaker on the title “*Indeterminate Beams: Concept of analysis-Propped Cantilever and Fixed Beams – Fixed End Moment and Reactions*” for Anna university sponsored seven days Faculty Development programme on “*CE6306- Strength of Materials*” during 12.06.17 to 19.06.17 at K.S.Rangasamy College of Technology.

13. Membership in Professional Bodies

- Life Member in ISTE (The Indian Society for Technical Education) – LM64136.
- Life Member in ISSE (Indian Society of Systems for Science & Engineering) - LM05395
- Member in IE(I) (Institute of Engineers, India) – M 1591945
- Authorized as Chartered Engineer (India), by IE (I) - M 1591945

- Member in IAENG (International Association of Engineers) – Member No: 207453

14. Awards and Recognitions

- Received “**Outstanding Teacher Award**” for producing 100% results in end semester examination at K.S.Rangasamy College of Technology, Tiruchengode
- Received Dr. APJ Abdul Kalam “ **Young Scientist Award 2017**” awarded by Marina Labs, Chennai
- Received “**Highest Research Paper Publication**” Award in AIRF 2017, awarded by Arunai Research Foundation, Tiuvannamalai.

15. Research Activities

- Total Citations: 7, h – Index: 1, i10 Index: -
- **Area of Expertise/Research Interests**
 - Groundwater quality Analysis
 - Self Compacting Concrete
 - Ferrocement Concrete
 - Finite Element Analysis
- **Reviewer** for
 - Indian Journal of Geo-Marine Sciences
 - Environmental Science and Pollution Research – Springer Publication
 - Water Practice and Technology- IWA Publication
- **Book Publication**

J.Abdul Bari and G.Vennila “Groundwater Quality Modelling using GIS in Bhavani Taluk, India”, Lambert Academic Publishing, ISBN: 978-3-330-03606-2

Abdul Bari Jabar, Pradeep Thangavel “Behaviour of Cold Formed Steel Column under axial Compression” Lambert Academic Publishing, ISBN: 978-613-9-98162-5

M.Velumani, J.Abdul Bari and P.Mageshkumar, “Airport, Docks and Harbours”, Royal Book Publishing International, ISBN: 978-9-388-41331-2

- ✓ Faculty in charge through Quality Enhancement in Engineering Education (QEEE) by IIT Madras for the topic “*Bending Stresses in Beam – Strength of Materials/Mechanics of Solids/Solid Mechanics*” in the Phase between Aug – Oct 2016.

- ✓ Faculty in charge through Quality Enhancement in Engineering Education (QEEE) by IIT Madras for the topic “*Design of Earthquake resistance Design of RCC – Multistoreyed Frames*” in the Phase between Jan - April 2016.
- ✓ Member in Board of Studies, in the Department of Civil Engineering
- ✓ Acted as the Exam coordinator in the Department of Civil Engineering
- ✓ Acted as the Class advisor and Involved in Student Counseling and motivated Students in various activities like conducting group discussion, HR Interview, Technical interview etc.
- ✓ Acted as the Class Mentor.
- ✓ Acted as the coordinator for the Ragging committee during 2016-2017
- ✓ Question paper setter for the various universities and autonomous across Tamil Nadu.
- ✓ Acted as the Project coordinator for the Department of Civil Engineering.
- ✓ Board of Studies coordinator in the Department of Civil Engineering.
- ✓ Acted as a Association Incharge in the Department of Civil Engineering

16. **Personal Details**

Fathers Name : A.Abdul Jabar

Date of Birth & Age : 09.05.1983 & 36 Years

Gender : Male

Marital Status : Married

Permanent Address : 61, South Adhithraavidar Colony,
Mettunasuvam Palayam,
Bhavani – 638 301.
Erode District