

FACULTY PROFILE

Name : Dr.K.Murali
Designation :Professor
Email ID :murali.ce@srit.org
Area of Specialization :Environmental Engineering



Total Experience :16 Years 2 Months Academic : 15 Years 7 Months
Industry : 7 Months

Educational Qualification:

Degree	Branch / Specialization	College	University
Ph.D.	Civil Engineering (Water Resources)	-	Anna University, Chennai.
M.E.	Environmental Engineering	Government College of Technology, Coimbatore	Bharathiar University
B.E.	Civil Engineering	VLB Janakiammal College of Engineering and Technology, Coimbatore	Bharathiar University

Experience Details:

S.No	Institution/Industry	Design.	Experience		Total Years & Months
			From	To	
1	Sri Ramakrishna Institute of Technology, Coimbatore	Professor	24.1-2014	till date	2 Years 1 Month
2	Sri Ramakrishna Institute of Technology, Coimbatore	Associate Professor	01.04.11	23.01.2014	2 Years 9 months
3	Sri Ramakrishna Institute of Technology, Coimbatore	Assistant Professor	01.02.2008	31.3.2011	3 Years 1 Month

4	Sri Ramakrishna Institute of Technology, Coimbatore	Lecturer	10.06.2005	31.01.2008	2 Years 8 Months
5	V.L.B.Janakiammal College of Engineering and Technology	Lecturer	29.08.2001	18.05.2005	3 Years 10 Months
6	Coimbatore Corporation	Technical Assistant	5.6.2000	28.1.2001	1 Year 2 Months
Total (as on Feb 2016)					Years : 15 Months : 2

Funded Projects:

S. No.	Funding Agency	Topic	Amount Sanctioned in Rs.	Year of Sanction
NIL				

Consultancy Work:

S. No.	Organization/ Agency	Nature of Work	Amount in Rs.	Year
1	PWD, Mayannor	Survey	12,500.00	2012
2	L&T, Coimbatore	Rain water harvesting	1,10,000.00	2012
3	Dyers Association, Tirupur	Conversion of dyeing sludge into building materials	2,78,000.00	2013
4	Dyers Association, Tirupur	Conversion of dyeing sludge into building materials- Additional works	35,000.00	2014
5	Triveni Earth Movers	GPS Survey	10,000.00	2015
6	Dutch blue Garments, Tirupur	Soil Investigation	38,000.00	2015

Patents (Specify the details):

Title: Environmental Friendly Zero Cement Geopolymer Concrete using Flyash and Manufactured Sand

Application No: 7105/CHE/2015

Title: Self Glazed Geopolymer Tiles using Bottom Ash-GGBFS

Application No: 7111/CHE/2015

Publications :

Journals :

1. R.Venkatasubramani, R.N.Uma and **K.Murali** "**Ground water Quality Index for Coimbatore East Zone**" - National Journal Nature Environment and Pollution Technology, Technoscience Publications, Vol.4 June 2005.
2. **K.Murali** and Dr.R.Elangovan "**Assessment of Groundwater Quality in Coimbatore South Taluk, Coimbatore District, India: A WQI approach**" - International Journal of Nature Environment & Pollution Technology , ISSN 0972 6268, Vol.10, No.4, December 2011.
3. **K.Murali** and Dr.R.Elangovan "**Hydrochemical Analysis of Groundwater Quality in Coimbatore South Taluk, Tamilnadu, India**" - International Journal of Pollution Research, ISSN: 0257-8050, Vol. 32. Issue 01, January 2013, pp. 25-29.
4. **K.Murali** and Dr.R.Elangovan "**A Multivariate Statistical Analysis of Groundwater Quality Parameters in Coimbatore South Taluk – Coimbatore District, Tamilnadu (India)**" – Achieves Des Sciences, ISSN 1661 -464X, Vol. 66, No. 2 , February 2013, pp. 31-44.
5. **K.Murali** , Dr.R.Elangovan and Dr.Senthilkumar "**Analysis of Societal Value Dynamics (SVD) of Groundwater Utilization in South Taluk of Coimbatore District, Tamilnadu, India**" - International Journal of Applied Sciences Research, 9(4):2455-2462,2013 ISSN 1819-544X.
6. **K.Murali** and Dr.R.Elangovan "**Assessment of Groundwater Vulnerability in Coimbatore South Taluk, Tamilnadu, India Using DRASTIC Approach**" - International Journal of Scientific and Research Publications, ISSN 2250-3153 Volume 3, Issue 6, June 2013, pp.1-6.
7. **K.Murali** , P.L.Karuppiah , M.Nithish, S.Sajith Kumar and V.Suresh Raja "**COD Reduction Using Low Cost Biosorbent as Part of Cleaner Production**" - International Journal of Scientific and Research Publications, ISSN 2250-3153 Volume 3, Issue 7, July 2013, pp.1-3.
8. **K.Murali**, R.D.Swasthik Kumar and R.Elangovan "**Assesment of Groundwater Quality for Irrigation in Coimbatore South Taluk, Coimbatore District, Tamilnadu**", J. Environ. Science & Engg. Vol.56, No.3, p-291-294, July 2014, ISSN 0367-827 X.
9. M.Arul vikram and **Dr.K.Murali**, "**A Critical Review on Land Acquisition and Valuation Process across the World**", IOSR Journal of Mechanical and Civil Engineering, Vol.12, Issue 5 (IV), pp 09-14, Sep. – Oct. 2015, ISSN 2278-1684.
10. T.G.Shree Raja Gopal and **Dr.K.Murali** "**A Critical Review on factors influencing Labour Productivity in Construction**", IOSR Journal of Mechanical and Civil Engineering, Vol.12, Issue 5 (IV), pp 47-51, Sep. – Oct. 2015, ISSN 2278-1684.

11. P.Kannan, C.F.Jerin and **Dr.K.Murali**, “ **A Review on Self Compacting Concrete**”, International Journal of Advanced Research in Engineering and Management, Vol. 1, Issue 7, pp 64-68, October 2015,
12. **K.Murali**, R.N.Uma and C.F.Jerin, “**Statistical Analysis of Groundwater Quality Parameters in Coimbatore South Taluk - Coimbatore District, Tamil Nadu (India)**”, International Journal of Earth Sciences and Engineering, Vol.8 (4), Aug.2015, pp.1767-1772, ISSN 0974-5904.
13. R.Premasudha, R.N.Uma and **K.Murali**, “**Hydro Chemical Characterization of Groundwater Quality due to Municipal Solidwaste Dumping at Vellalore in Coimbatore, Tamilnadu, India**”, International Journal of Earth Sciences and Engineering, Vol.8 (4), Aug.2015, pp.1791-1798, ISSN 0974-5904.

International Conferences:

1. **K.Murali** , R.D.Swasthikumar and Dr.R.Elangovan “**Assessment of Groundwater Quality using WQI method for Coimbatore South Taluk, Coimbatore District, Tamilnadu**” selected for presentation in the International Conference on Civil Structural and Environmental Engineering at KSR College of Engineering to be held during 18 – 19 February 2011.

National Conferences:

2. **K.Murali** and Dr.R.Venkatasubramani “**A Correlation study on physico-chemical characteristics of ground water in Coimbatore district – 2005**” National Conference on Frontiers in Environmental Science and Engineering in India, September 15-17,2005. Organised by Department of Environmental Sciences, Bharathiar University in association with IAEM, NEERI, Nagpur.
3. **K.Murali** and Dr.D.Senthilkumaran “**Development of a Natural Resources Management System tool using LCA**” International Interdisciplinary Conference on Sustainable Technologies for Environmental Protection, organised by Coimbatore Institute of Technology, Coimbatore, in collaboration with the University of Toledo, USA on 7th – 9th of January 2006.
4. **K.Murali** and Muthumanikam “**Assessment and Mapping of Groundwater Quality for Coimbatore South Taluk**” – National Conference on Frontline Areas of Civil Engineering, organised by Department of Civil Engineering, VLBJCET, Coimbatore during 24 – 25 April 2008.
5. **K.Murali** , Muthumanikam and Dr.R.Elangovan “**Groundwater Quality Assessment and Regression Modeling for Coimbatore South Taluk**” – National Conference on Innovative Practices for Sustainable Energy and Waste Management organised by Civil and Mechanical Engineering Departments, Sri Ramakrishna Institute of Technology, Coimbatore, in collaboration with South Dakota School of Mines and Technology, USA during 24-25 April 2009.

Books Published:

1. **Principles of Environmental Engineering and Sciences**– S.C.Chand Publications , New Delhi,
2. **Environmental Science and Engineering**– Inder Publications, Coimbatore

Seminar, Conference, Workshop Organized:

S.No.	Title	Duration	Level (Intern./ National)
1	Strategies for effective Teaching	10.05.2005-11.05.2005	National
2	Innovative Practices for Sustainable , Energy and Waste Management	27.04.2007 & 28.04.2007	National
3	Organized a one day workshop on Water Resource Development and Environmental Management on jointly with PWD Environmental Cell Division – WRO, Coimbatore as convener.	4.10.2007	National
4	Organized a two days AICTE sponsored National Seminar in Recent Advancement in Earthquake Resistance Structures.	9.08.2008.	National
5	Organized a National Conference in 'Innovative Practices in Construction & Waste Management'.	24.04.2009 & 25.04.2009	National
6	Innovative Construction Materials	20 & 21st January 2010.	National
7	Disaster Management –Causes, Prevention & Preparedness	24 & 25th February 2011	National
8	National Conference on Innovative Practices in Construction & Waste Management	20 & 21 April 2011	National
9	Ground Improvement Techniques	20 & 21 December 2011	National
10	One day Workshop on Patents & Designs organised by the ISTE Students Chapter	15 February 2012	National
11	National Conference on Innovative Practices in Construction & Waste Management	3 & 4 April 2013	National
12	Innovative Practices in Construction and Waste Management	9 & 10 October 2013	National
13	Workshop on Cost effective construction using bricks	13 & 14 March 2014	National
14	Importance of Geotechnical Investigation	September 2014	National

15	Modern Trends in Foundation Engineering	25 March 2015	National
16	Hands on Training on bar bending and reinforcement	1-3 September 2015	National
17	National Discussion Forum on Employment Opportunities and Skill Requirements for Civil Engineering Graduates	9 October 2015	National
18	Disaster Mitigation and strengthening of structures by Micro Piling	13 February 2016	National

Seminar, Conference, Workshop Attended:

1. Participated in the Seminar on **“Construction Materials and Durability of Concrete Structures ”** held at VLB Janakiammal College of Engineering and Technology, Coimbatore on 18th February 2001.
2. Participated in the one day workshop jointly organised by GCT and Environmental Cell Division, WRO, PWD, CBE on **“Recent trends in Environmental Activities on the protection of Water Resources”** held at Government College of Technology, Coimbatore on 12th March 2003.
3. Participated in AICTE sponsored Two- Days National Seminar on **“Emerging Treatment Technologies for High and Medium strength wastewater”** held at S.J. College of Engineering, Mysore on 8th & 9th of January 2004.
4. Training Programme for Engineers on **“Seismic Safety Measures”** organised by Corporation of Coimbatore and Revenue Administration Disaster Management and Mitigation Department, Government of Tamilnadu held on 20th January 2004.
5. Participated in AICTE sponsored One- Day workshop on **“Environmental Bio-Technology for Pollution Control”** held at Karunya Institute of Technology, Coimbatore on 26th June 2004.
6. Participated in two day National workshop on **“ Nanotechnology: Environmental Implications and Solutions (NEIS 2007)”** held at Annamalai University, Chidambaram on 9th & 10th of March 2007.
7. Participated in two days workshop on **“Institute – Industry perspective on Modern Weather RADAR Technology & Its Applications”** held at PSG College of Technology, Coimbatore during 2.8.2013 & 3.8.2013.
8. R.Venkatasubramani, R.N.Uma and K.Murali **“Effects on Soil due to Industrial and Municipal Wastes – A Case study”** Environics 2002, National Conference held at Thiagarajar College of Engineering, Madurai on 27.02.2002 & 28.02.2002,pp 170-177.
9. R.Venkatasubramani, R.N.Uma and K.Murali **“Rainwater Harvesting inside VLB Engineering college campus – A Case Study”** – International Seminar on Industrial Structures – Souvenir, 8th ,9th & 10th of Jan’ 2003,pp 52-54.
10. R.Venkatasubramani, R.N.Uma and K.Murali **“Environmental Impact Assessment on Ground water Quality”** – National Seminar on Recent advances in water Resources and Planning and Management held at Annamalai University, Chidambaram on 8.03.2003 & 9.03.2003, pp 53-58.

11. R.Venkatasubramani, R.N.Uma and **K.Murali** ***“Solid Waste Management”*** – News Bulletin of Association of Consulting Civil Engineers (INDIA) Coimbatore Centre Vol-2, No. 1 to 6.
12. R.Venkatasubramani, R.N.Uma and **K.Murali** ***“Disposal of sludge from dye waste – A Case Study in Tirupur city”*** – Indian Environmental Congress 2003 held on 20th & 21st of December 2003.
13. M.I.Abdul Aleem and **K.Murali** ***“Higher Technical and Vocational Educational Curricula”*** – 39th ISTE Annual Convention & National conference on Managing Technical Education for Leveraging Innovation and Entrepreneurship at NITK, Surathkal during 18-20 December 2009.
14. M.I.Abdul Aleem and **K.Murali** ***“Transforming Technical Education to Meet the Needs of Industry”*** – 44th ISTE Annual Convention at College of Engineering, Trivandrum, Kerala during 27-29 November 2014.
15. Participated in the Short Term Training Programme on ***“Monitoring, Modelling and Management of Environmental Problem”*** held at Coimbatore Institute of Technology, Coimbatore during 17th to 28th March 2003.
16. Participated in the one day Training Programme on ***“Biocompost and Vermicompost Technology”*** held at Tamil Nadu Agricultural University, Coimbatore on 7th July 2005.
17. Participated in the Short Term Faculty Development Programme on ***“Structural Analysis – Modern Methods”*** held at VLB Janakiammal College of Engineering and Technology, Coimbatore during 20th November to 2nd December 2006.
18. Participated in the faculty development programme on ***“Environmental Science and Engineering”*** held at VLB Janakiammal College of Engineering and Technology, Coimbatore during 20th December to 28th December 2010.
19. Participated in the Staff development programme on ***“Advanced Developments in Concrete”*** held at Sri Ramakrishna Institute of Technology, Coimbatore during 11.7.2011 to 24.7.2011.
20. Participated in the ISTE sponsored one week Workshop for Coordinators on ***“Engineering Mechanics”*** organized by IIT Bombay through National Mission on Education through ICT (MHRD) during 16.9.2013 to 20.9.2013.
21. Participated in TEQIP II Sponsored Two Day Workshop on ***“Techniques for Evaluating Students Performance”*** organized by the Department of Controller of Examinations, Coimbatore Institute of Technology, Coimbatore during 21.03.2014 and 22.03.2014.
22. Participated in the ISTE sponsored two week ISTE workshop on ***“Fluid Mechanics”*** organized by IIT Kharagpur through National Mission on Education through ICT (MHRD) during 20.05.2014 to 30.05.2014.
23. Participated in the course on ***“Hyper Spectral Remote Sensing”*** organized by National Remote Sensing Centre, Indian Space Research Organization, Hyderabad during 27.07.2015 to 31.07.2015.
24. Participated in the Webinar series on ***“Air Pollution and Cities”*** organized by TERI University, New Delhi, on 19.10.2015 (***Webinar – I on Air Pollution and Cities 2015***)
25. Participated in the Webinar series on ***“Air Pollution and Cities”*** organized by TERI University, New Delhi, on 19.11.2015 (***Webinar – II on Ozone Pollution in Urban Environment***)

Ph.D., Guidance / Supervisor ship:

Name of Scholar	Course	Area of Research	Status
Nil			

Guest Lectures Delivered:

Topic	Institution	Date(s)
<i>Ground Water Statistical data for Researchers</i>	State Surface and Groundwater Data Resources Center, Chennai jointly with Hydrology Department, PWD, Pollachi	11.12.2007
<i>Design of Tension and Compression Members</i>	AICTE Sponsored SDP on Design of Steel Structures (LSM IS800-2007) organised by Department of Civil Engineering, VLB Janakiammal College of Engineering and Technology, Coimbatore	3.6.2009
<i>Natural Resources</i>	Faculty development programme organised by Department of Civil Engineering, VLB Janakiammal College of Engineering and Technology, Coimbatore	21.12.2010
<i>Natural Resources Management</i>	Faculty development programme organised by Department of Chemistry, Sri Krishna College of Engineering and Technology, Coimbatore	3.6.2011
<i>Life Cycle Assessment of Concrete</i>	AICTE Sponsored Staff development programme organised by Department of Civil Engineering, Sri Ramakrishna Institute of Technology, Coimbatore	23.07.2011
<i>Career in Civil Engineering</i>	National Level Technical Symposium ERECTUS 14 at Easa College of Engineering and Technology, Coimbatore	20.03.2014
<i>Motivating the Civil Creators</i>	Induction of Civil Engineering Association at Sri Ramakrishna Polytechnic College , Coimbatore	02.09.2015
<i>Secondary Treatment Processes</i>	Faculty development programme organised by Department of Civil Engineering, Akshaya College of Engineering and Technology, Coimbatore	09.12.2015

Membership in Professional Bodies:

- Life Member of Indian Society for Technical Education (***LM63901***)
- Life Member of Indian Geotechnical Society (***CBELM118***)
- Fellow Member Society of Earth Scientists (***F/375***)

Contributions to the Institution, Department and Society:

Institution:

EMS Coordinator : Coordinating for smooth conduct of university examination and carrying out all works related to University Examination. Nodal Officer for Zone-IX , Anna University Regional Centre, Coimbatore.

Chief Superintendent : Anna University Examinations.

Person In-charge : Academic Audit, Formulation of Autonomous, Continuous Quality Assurance Cell

Member – Governing Council: Preparation of Agenda and Minutes of Meetings.

- Member – Disciplinary Committee
- DTE – Students Certificate Verification, Transfer and Readmission of Students, etc.,
- Department of Statistic, Govt. of India – Statistic details pertaining to various sectors, etc.,
- TNEA – Students Admission Related works
- Actively involved in preparation of information brochure and Coordinated for smooth conduct of SRIT stall at educational fair at various locations in Tamilnadu.
- Actively participated in conducting Seminars / Conference / Graduation Day / Annual Day & Sports Day apart from departmental programmes.
- Coordinator for preparing accreditation proformas for all departments.
- Actively involved in preparing the File management System for SRIT office as well as for all the departments.
- Coordinated with office during the inspection of various committees.
- Coordinated with NAAC team during the visit as NAAC Coordinator.

Department :

NBA – Programme Coordinator

- Associated with departmental development by holding responsibilities in setting up of the following labs:
 - Construction Material and Concrete Lab
 - Fluid Mechanics and Machinery Lab
 - Survey Lab
 - Strength of Materials Lab
 - Environmental Engineering Lab
 - Soil Mechanics Lab
 - CAD Lab
- Department Time Table In-charge during the academic Years 2005-2006, 2006-2007, 2007-2008, 2009-2010
- Civil Engineering Association faculty In-charge during 2005-06, 2006-07, 2007-08 and 2011-2012
- Actively participated in organizing various seminars / conferences in the department
- Prepared and submitted various proposals to the funding agencies like DST, AICTE, MoES, etc.,
- Actively participated in various consultancy activities carried out by the department.
- Actively participated in conducting laboratory classes for Anna University of Technology Civil Engineering students for the past three years.

- Acted as senior faculty advisor for various batches of students.
- Acted as chair person for class committee and course committee.
- Coordinator for the CAAD training programme conducted by CAAD center, Coimbatore and KKM Soft, Chennai at our college.
- NBA Accreditation coordinator for the department
- Internal audit committee member for the Anna University of Technology, Coimbatore.
- Project Coordinator for the department.
- Actively coordinating with the students in solving objective problems for placement programmes.
- Prepared various lab manuals for the department
- Chairman- Quality Assurance Cell

Awards and Recognitions:

1. Best outgoing student award (1994-1998 Batch – Undergraduate)
2. Chairman – Civil Engineering Board, Zone – IX Anna University, Chennai
3. Nodal Officer , Nodal Centre V, Zone – IX Anna University, Chennai
4. Member Board of Examiners in various Universities and Colleges