

CURRICULUM VITAE

Name: DR.RAMAKRISHNAIAH.C.R.

Permanent Residential Address:

1813, "NANDANA" 2nd Block,
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Bangalore-560060

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Academic credentials:

Year 2010

PhD in Civil Engineering (Research in the area of Environmental Engineering)
Visvesvaraya Technological University, Belgaum
Karnataka, INDIA

Year 1993

Master of Engineering in Environmental Engineering
University of Gulbarga, Gulbarga
Karnataka, INDIA.

Year 1991

Bachelor of Engineering in Civil Engineering
University of Mysore, Mysore
Karnataka, INDIA.

Professional experience:

1. Working as Professor in PG (Environmental Engg) programme, Civil Engg Dept, B.M.S.College of Engineering, Bangalore from 05.03.2016.
2. Worked as Associate Professor in PG (Environmental Engg) programme, Civil Engg Dept, B.M.S.College of Engineering, Bangalore from 27.08.2010 to 04.03.2016.
3. Worked as Assistant Professor in PG (Environmental Engg) programme, Civil Engg Dept, B.M.S.College of Engineering, Bangalore (August 2007 to July 2010).
4. Worked as Senior Lecturer in Civil Engg Dept, M.V.J.College of Engineering, Bangalore (April 2003 to August 2007).
5. Worked as Lecturer in Civil Engg Dept, M.V.J.College of Engineering, Bangalore (Dec 1993 to March 2003).

Subjects taught:

Water Treatment Technology (PG)
Solid Waste Management (PG, UG)
Hazardous Waste Management (PG)
Industrial Wastewater Treatment (PG, UG)
Wastewater Treatment Engineering (PG, UG)
Applied Environmental Chemistry and Microbiology (PG)
Air Pollution Control (UG)
Water Supply Engineering (UG)
Surveying I & II (UG)
Surveying Practice (UG)
Engineering Mechanics (UG)
Strength of Materials (UG)

Area of interest:

Water and Wastewater Treatment
Solid and Hazardous Waste Management
Applications of RS & GIS in Environmental Engineering

Research activity:**Completed:**

MSc (Engg) by research - 02 (One as co-guide)
PhD awarded - 02 (One QIP Candidate)

M.Tech (Env.Engg) projects guided (since 2008) – 77

Presently guiding M.Tech (Env.Engg) projects - 04

Funded projects/programs:

1. Setting up of advanced Environmental Engineering laboratory for existing PG (Env.Engg) programme in the year 2014.

46.9 Lakhs - TEQIP II, World Bank

2. One week GIAN course on “Integrated Water Resources Management (IWRM), Feb.11 to 15, 2019.

5.44 lakhs – MHRD, Govt. of India sponsored.

Total citations of the papers published:

GOOGLE SCHOLAR: (As on Jan 2026)	- 2210
SCOPUS CITATIONS: (As on Jan 2026)	- 985

Publications:

1. Ramakrishnaiah.C.R and E.T.Puttiah Kinetic coefficients and optimum mean cell residence time for domestic wastewater, Sci Journal, Kuvempu University, 86-91, 2001.
2. Ramakrishnaiah.C.R, C.Sadashivaiah, , and G.Ranganna, Hydrochemical analysis and evaluation of groundwater quality in Tumkur taluk, Karnataka state, India, International Journal of Environmental Research and Public Health, ISSN 1661-7827, 2008, Pp, 158-164. [Citation 272] Impact factor-3.390
3. Ramakrishnaiah.C.R, C.Sadashivaiah, and G.Ranganna, Assessment of Water Quality Index for the Groundwater in Tumkur taluk, Karnataka state, India, International Journal of Chemistry, ISSN: 0973-4945, 2009, pp 523-530, Vol 6(2). [Citation 959 Impact factor-2.506
4. Ramakrishnaiah.C.R, C.Sadashivaiah, and G.Ranganna , Remote Sensing and GIS Techniques for Evaluation of Groundwater Quality in Tumkur taluk, Karnataka, India, International Journal of Applied Environmental Science, ISSN 0973-6077, 2009,Volume 4, Number 2, 2009, pp. 137–150.
5. Ramakrishnaiah.C.R, C.Sadashivaiah, and G.Ranganna Impact of heavy metal contamination of Tumkur Amanikere Lake on soil, groundwater and cultivated vegetation, International Journal of Lakes and Rivers, ISSN 0973-4570,Volume 4, Number 1, 2011, pp.7-20.
6. Ramakrishnaiah.C.R, Shiju Easo John and Vathsala, Optimimization of muncipal solid waste collection through GIS technique for Chikmagalur city, International Journal of Environmental Engineering and Management, ISSN No.2231-1319, 2011, Vol 2, Number 2, pp.189-200. [Citation 02]
7. Ramakrishnaiah.C.R and Prathima.B, Hexavalent Chromium removal by chemical precipitation method: A comparative study, International Journal of Environmental Research and Development, ISSN 249-3131, Vol 1, number 1, 2011, pp. 41-49. [Citation 58] Impact factor-0.607.
8. Ramakrishnaiah.C.R and Prathima.B, Hexavalent chromium removal from industrial wastewater by chemical precipitation method, International Journal of Engineering Research and Applications, ISSN: 2248-9622 ,Vol. 2, 2012, pp.599-603. [Citation 09] Impact factor-6.465
9. Ramakrishnaiah.C.R and Vismitha, Removal of phosphate from wastewater using low-cost adsorbents, International Journal of Engineering Inventions, ISSN: 2278-7461, volume 1, issue 7, October 2012, pp: 44-50. [Citation 18] Impact factor-6.7.

10. Ramakrishnaiah C.R. and Srikantha G, Performance Evaluation of Small-Scale Vermifilter for the Treatment of Wastewater, International Research Journal of Recent Sciences, ISSN 2277-2502, Dec 2012, pp:132. Impact factor-0.675.
11. Ramakrishnaiah C.R.and Arpita.D.N, Removal of colour from aqueous solution by using low cost adsorbents, Research and reviews: International Journal of Engineering and Technology, ISSN: 2319-9873, Volume 2, issue 3, July – September, 2013, Pp: 197-200. Impact factor-0.135.
12. C.R.Ramakrishnaiah and D. N. Arpitha, Removal of Colour from Textile Effluent by Adsorption Using Low Cost Adsorbents, International Research Journal of Pure & Applied Chemistry, ISSN: 2231-3443 4(5):568-577, 2014. [Citation 10]
13. C.R.Ramakrishnaiah and Sandhya.K.S, Studies on removal of acid orange 7 by advanced oxidation process using UV and hydrogen peroxide (H₂O₂), International Journal of Civil Engineering Research and Development, ISSN 2248 – 9436, Volume 4, Number 2, April - June (2014), pp. 01-08. Impact factor 4.981.
14. C.R.Ramakrishnaiah, Urban Water Management: Best Practice Cases, International Journal on Current Urban Studies, <http://dx.doi.org/10.4236/cus.2014.22009>, Vol 2, NO 2, June 27, 2014, pp: 83-87. [Citation 05] Impact factor 0.72.
15. Ashwin H.V and C.R.Ramakrishnaiah, Determination of bio-kinetic parameters for sequencing batch reactor type sewage treatment plant, International Journal of Civil Engineering Research and Development, ISSN 2248 – 9436, Volume 4, Number 2, April - June 2014, pp. 51-58. Impact factor 3.8064
16. C R Ramkrishnaiah,, Deepika B V, Shridhara T N, Spatial Decision Support System for Solid Waste Management in Chickmagalur City, International Journal of Innovative Science, Engineering & Technology, ISSN 2348 – 7968, Vol. 1 Issue 7, September 2014, pp:77-85. Impact factor 0.611
17. C R Ramkrishnaiah and Sukruti Duvvuri, Stabilization of Metal – Laden Soils Using Different Additives- A review of technologies, International Research Journal of Pure & Applied Chemistry, ISSN: 2231-3443, 7(3):122-131,2015. [Citation 05]
18. C R Ramkrishnaiah and Sneha.R, Decentralization model for solid waste management in Basavanagudi ward by using GIS technique, International Journal for Scientific Research & Development, ISSN: 2321-0613,Vol 4, Issue 1, 2016. Impact factor 2.89.
19. C R Ramkrishnaiah and Manasa.N, Distribution and Migration of Heavy Metals in Peenya Industrial Area, Bangalore, Karnataka, India - A case study, International Journal of Geography, Environment and Earth Science, ISSN: 2454-7352, 2016. [Citation 05]
20. C R Ramkrishnaiah and Deepika B Naikar Arsenic removal from drinking water using fly ash as an adsorbent, International Journal of Research in Engineering and Technology, eISSN:2319-1163, Vol 05, Issue 11, pp.1-4, May 2016. [Citation 01] Impact factor 3.935
21. Ramakrishnaiah C.R. and Sukruti Duvvuri, Stabilization of metal – laden soils using a novel combination of cement with a sintered waste additive, Current Trends in Technology and Science, ISSN: 2279-0535, Vol 6, Issue 4, pp 730-733, 2017. Impact factor 0.105

22. Tejaswini M Tegghalli & Dr. Ramakrishnaiah C.R, Solidification/Stabilization of Zinc phosphating and AETP sludge using a novel combination of cement with a sintered waste additive, International Research Journal of Engineering and Technology(IRJET), e-ISSN:2395-0056, Vol 4, Issue 10, pp 386-390, Oct-2017. [Citation 01] Impact factor 7.529
23. G.D.Kumara, S N Mayanaik, Shankara and C.R.Ramakrishnaiah, Impact of green building concept on sustainability of office buildings-A Case Study, Pollution Research International Journal, ISSN 0257-8050, 37(1), pp 160-165, May 2018.
24. Vinay N V and Ramakrishnaiah.C.R, Investigation on groundwater , soil and vegetation quality with special reference to heavy metals around Vrishabhavathi valley, Bangalore, Global journal of Engineering Science and Research Management, ISSN 2349-4506, 5(6), pp 65-74, June 2018. Impact factor 3.799
25. Abhilash G and Ramakrishnaiah.C.R, Removal of Chromium and Nickel from aqueous solutions using groundnut shell powder as an adsorbent, Global journal of Engineering Science and Research Management, ISSN 2349-4506, 5(6), June 2018. Impact factor 3.799
26. Sharal Martis and Ramakrishnaiah.C.R, Investigation on groundwater , soil and vegetation quality with special reference to heavy metals around Bellandur lake, Bangalore, Global journal of Engineering Science and Research Management, ISSN 2349-4506, 5(6), pp 51-64, June 2018. Impact factor 3.799
27. Sharon Ranjith Paul and Ramakrishnaiah.C.R, Solidification and Stabilization of Expired Chemicals, International Journal of Advanced Technology and Engineering Exploration, ISSN-2394-7454. Vol 5(44), August 2018.
28. Deepika B V, C R Ramakrishnaiah, and Dr. C. Sadashivaiah Assessment of Ground Water Quality by Water Quality Index in Udupi District, Karnataka State, India, International Journal of Test Engineering & Management, ISSN: 0193-4120 Vol 83, pp 298 – 311, May-June 2020. Impact factor 0.1
29. M Nethravathi, C R Ramakrishnaiah, Microbial Bioremediation of Soil Contaminated With Heavy Metals Using Activated Carbon As An Amendment, Indian Journal of Environmental Protection, ISSN: 0253-7141, Vol 40, Number 4, pp 391-395 April 2020,
30. Pushpa Lumina, Dr.C.R.Ramakrishnaiah, Stabilization/Solidification of Metal Laden Sludge with the Novel Combination of Cement and Other Additive, International journal of Advanced Science and Technology, ISSN: 2005-4238, Vol 29, No.4, pp 8964-8970, September 2020.
31. Deepika B V, C R Ramakrishnaiah, Spatial variability of ground water quality: A case study of Udupi district, Karnataka State, India, Springer journal of Earth System Science, ISBN: 0973774X 23474327, October 2020. [Citation 04] Impact factor 2.3,
32. Priyanka R, Dr. C.R Ramakrishnaiah, Delineation of groundwater potential Zones using RS & GIS techniques for Hassan District, Karnataka,GIS Science Journal, ISSN NO : 1869-9391, Vol 8, Issue No.6, pp 2111-2122, June 2021. Impact factor 6.1,
33. Vatsala P M, Dr. C.R Ramakrishnaiah, Delineation of groundwater potential zones in Kolar District using RS and GIS technology International Research

- Journal of Engineering and Technology (IRJET), p-ISSN: 2395-0072, pp 2286-2292, Vol 8, No.6, June 2021. Impact factor 7.529,
34. Anjana H K, Dr. C.R Ramakrishnaiah, Mapping of Groundwater Potential Zones Using RS-GIS Technology for Mandya District,KARNATAKA,India,GIS Science Journal, ISSN NO: 1869-9391, Vol 8, Issue 7, pp 598-603, July 2021, Impact factor 6.1,
 35. Madhumitha Y H, Dr. C.R Ramakrishnaiah Mapping of Groundwater Potential Zones for Bengaluru Urban District using RS-GIS Technology, GIS Science Journal, ISSN NO: 1869-9391, Vol 8, Issue 7, pp 637-647, July 2021. Impact factor 6.1.
 36. Sanath Kumar, Dr. Ramakrishnaiah C.R Assessment of Heavy Metals Concentration and Groundwater Quality in Peenya Industrial Area, International Advanced Research Journal in Science, Engineering and Technology, ISSN (Online) 2393-8021, Vol 8, Issue 6, pp 571-582 July 2021, Impact factor 7.105
 37. Pavithra N, Dr. Ramakrishnaiah C.R, Assessment of groundwater quality in and around Peenya industrial area, Bengaluru, India: An integrated hydrochemical and GIS approach, GIS Science Journal, ISSN: 1869-9391, Vol 9, Issue 4, pp 1027-1041 April 2022, Impact factor 6.1.
 38. Pavithra N, Dr. Ramakrishnaiah C.R, Hydrochemical Characteristics of Groundwater in and around the Peenya Industrial Area in Bengaluru City, WSEAS Transactions on Environment and Development, E-ISSN: 2224-3496, Vol 19, pp 1399-1409, Dec 2023.
 39. Pavithra N, Dr. Ramakrishnaiah C.R, Heavy Metal Analysis and Health Risk Assessment of Groundwater and Soil in and Around Peenya Industrial Area, Bengaluru, Ecological Engineering & Environmental Technology, ISSN 2719-7050, 25(7), pp 63–79, June 2024.
 40. R. Devendra, C.R. Ramakrishnaiah, Quality control and assessment of compost obtained from open and In-Vessel composting methods, International Journal of Material Today Proceedings, ISSN-2214-7853, 2024
 41. Pavithra N, Dr. Ramakrishnaiah C.R Study on Dispersivity of Heavy Metals in Undisturbed Soil Columns in and Around Peenya Industrial Area, Bengaluru, India, Waste Forum, ISSN: 1804-0195, 94-112, 2025.
 42. R. Devendra, C.R. Ramakrishnaiah, Delineation of landfill sites for four different regions of Bangalore city (India) using GIS integrated with multiple criteria decision analysis technique: A case study, Environment Conservation Journal, ISSN 0972-3099 (Print) 2278-5124 (Online), 26 (3), 1137-1149, 02 Sep 2025.
 43. Shabnam Siddiqui, Chikkanayakanahalli Ramaiah Ramakrishnaiah, Srinath Suranani & Yalachigere Kempaiah Suneetha, Performance evaluation of 3D-

printed geopolymer monoliths for cadmium adsorption, Scientific reports, 2026,16:257. (3rd most-cited journal in the world, Clarivate Analytics, 2025).

Chapter Published:

1. Hydro-Chemical Investigation and Quality Assessment of Groundwater Industries: Soft computing and Analysis, Dec 2024.
DOI: [10.4018/979-8-3693-6875-6.ch007](https://doi.org/10.4018/979-8-3693-6875-6.ch007)

Publications in national and international conferences /seminars proceedings:

1. Ramakrishnaiah.C.R and E.T.Puttiah, Determination of Kinetic coefficients and optimum mean cell residence time for domestic wastewater, International workshop on “Integrated Water Management”. Bangalore University, Bangalore, June-2001, pp, 50.
2. Ramakrishnaiah.C.R, Water and wastewater management, National conference on Modern trends in water resources development and environmental management, Vellore Institute of Technology, Vellore, march-2002, pp, C1-C4.
3. Ramakrishnaiah.C.R, Rainwater harvesting, National conference on “Modern trends in water resources development and environmental management”. Vellore Institute of Technology, Vellore, Tamilnadu, march-2002, pp, E4.
4. Ramakrishnaiah.C.R and E.T.Puttiah Determination of Kinetic coefficients and Optimum mean cell residence time for domestic wastewater”, 11th National level Symposium on “Environment”, Rajasthan College of Agriculture and Technology, Udaipur, Rajasthan, June- 2002, pp, 296-299.
5. Ramakrishnaiah.C.R , Water Resource in Karnataka and its Management, National seminar on Ground water management and rural development, Anjuman College of Engineering, Bhatkal, Karnataka, 9-10 Octo- 2002, pp, 28-33.
6. Ramakrishnaiah.C.R , Water and Wastewater Management for Sustainable Development, International Conference on Water and health, S.J.College of Engg, Mysore, 21st Jan 2005, pp, 169.
7. Ramakrishnaiah.C.R, C.Sadashivaiah, and G.Ranganna , Investigation on water quality status of Tumkur taluk, Karnataka, International conference on Hydrology and watershed management, JNTU, Hyderabad, 5-8 Dec, 2006.
8. Ramakrishnaiah.C.R, C.Sadashivaiah, and G.Ranganna , Assessment of Groundwater Quality Parameters, International Workshop on Integrated Water Resource management”, KERF, Bangalore, 5-7 Jan, 2007, pp 398-402.
9. Ramakrishnaiah.C.R, C.Sadashivaiah, and G.Ranganna, Analysis and interpretation of Groundwater quality parameters of Tumkur taluk, Karnataka, National conference on Watershed management and Impact of Environmental changes On water Resources, JNTU, Hyderabad 22-23 Feb., 2007, pp, 79-84.

10. Ramakrishnaiah.C.R, C.Sadashivaiah, and G.Ranganna, Analysis of water quality Results and infiltration study in Tumkur taluk, Karnataka, National conference on Watershed management and Impact of Environmental changes on water Resources, JNTU, Hyderabad, 22-23 Feb., 2007, pp, 339-344.
11. Ramakrishnaiah.C.R, C.Sadashivaiah, and G.Ranganna , Assessment Of Groundwater Quality Parameters, National Conference on Emerging Trends in Civil engg, SSIT, Tumkur, Karnataka, 10th & 11th May, 2007, 326-334.
12. C.Sadashivaiah, Rajendra Prasad, Ramakrishnaiah.C.R, and G.Ranganna, Expert – fuzzy system for predicting water quality, National conference on Soft computing applications in Water Resource and Environmental Engineering -2007, Osmania University, Hyderabad, 14th Dec -15th Dec 2007, 169-177.
13. Rajendra Prasad, C.Sadashivaiah, Ramakrishnaiah.C.R, and G.Ranganna, Self-organising artificial neural network for classifying water quality, National conference on Soft computing applications in Water Resource and Environmental Engineering -2007, Osmania University, Hyderabad, 14th Dec – 15th Dec 2007, pp, 154-159.
14. Ramakrishnaiah.C.R , Rajendra Prasad , C.Sadashivaiah, and G.Ranganna, Predicting water quality parameters using artificial neural networks, National conference on Soft computing applications in Water Resource and Environmental Engineering -2007, Osmania University, Hyderabad, 14th, Dec - 15th Dec 2007, pp135-141.
15. Ramakrishnaiah.C.R, C.Sadashivaiah, and G.Ranganna , Impact of urbanization on Tumkur lake-A case study”, National level symposium on Lake-2008, Indian Institute of Science, Bangalore, 22nd-24th Dec 2007.
16. Ramakrishnaiah.C.R, C.Sadashivaiah, and G.Ranganna , Geographic Information system and groundwater quality mapping in Tumkur taluk, Karnataka, India, National conference on water resource management, NITK, August 6th 2009.
17. Ramakrishnaiah.C.R, C.Sadashivaiah, and G.Ranganna Occurrence of fluoride in Tumkur taluk, Karnataka state, India, International conference on frontiers in fluid mechanics, Bangalore University, August 31 to September 2, 2009.
18. Ramakrishnaiah.C.R, C.Sadashivaiah, and G.Ranganna , Major ion chemistry of environmental samples in rural and urban part of semi-arid region of Karnataka state, India, International conference on convergence of science & engineering in education and research, a global perspective in the new Millennium”, 21st -23rd April 2010.
19. Ramakrishnaiah.C.R, C.Sadashivaiah, and G.Ranganna , Impact of heavy metal contamination of tumkur amanikere lake on soil and cultivated vegetation, National conference on Lake 2010, IISc Bangalore, 22nd-24th December 2010.
20. Ramakrishnaiah.C.R, Effects of industrial sludge on vegetative plants and its treatment, 15th ISTE Faculty convention, EWIT, Bangalore, Dec 7-8, 2012.

21. Ramakrishnaiah C.R.and Usha B.C, Assessment of groundwater vulnerability to contamination in Anekal taluk, Bangalore urban district, Karnataka, India, 5th International Congress of Environmental Research, Malasiya, Nov 2012, P-219(Published in the proceedings).
22. Ramakrishnaiah C.R.and Vismitha M, Studies on removal of phosphorous from wastewater by using low cost adsorbents, 5th International Congress of Environmental Research, Malasiya, Nov 2012, P-218(Published in the proceedings).
23. C.R.Ramakrishnaiah and Arpita.D.N, Removal of colour from aqueous solution by using low cost adsorbents, International conference on integrated water, wastewater and Isotope hydrology, Department of Civil Engg, UVCE, Bangalore University, July 25-27, 2013, Pp:30-34.
24. Anupama.K and C.R.Ramakrishnaiah., Removal of hexavalent chromium using dead Sargassum sp. as adsorbent, International conference on integrated water, wastewater and Isotope hydrology, Department of Civil Engg, UVCE, Bangalore University, July 25-27, 2013.
25. C.R.Ramakrishnaiah et all., Spacial decision support system for solid waste management in Chikmagalur city, National conference on Energy trends in environment and energy management, Shri Madhwa Vadiraj Institute of Technology and management, Udupi, Karnataka, 18 & 19 October 2013, pp:121-126.
26. Ashwin H.V and C.R.Ramakrishnaiah, Determination of bio-kinetic parameters for sequencing batch reactor type sewage treatment plant, International conference on emerging trends in Engineering and technology, Organized by Technoarete, Bangalore, May 18, 2014.(Received best paper award)
27. C.R.Ramakrishnaiah et all, A novel approach for stabilization of hazardous waste to meet criteria for disposal into secured land fill (SLF), Technoarete international conference, Bangalore, June 2014, pp:1- 4.
28. C.R.Ramakrishnaiah and Manoj, Utilization of Parthenium Hysterophorus as an Adsorbent for removal of heavy metals, 1st International virtual congress, 5th to 10th June 2014.
29. C. R. Ramakrishnaiah and Sandhya.K.S, Studies on removal of acid orange 7 by advanced oxidation process using UV and hydrogen peroxide (H₂O₂), Technoarete international conference, Bangalore, June 2014, pp:5 - 8.
30. C. R. Ramakrishnaiah and Deepika Naikar, Arsenic removal from drinking water using fly ash as an adsorbent, National Conference on Futuristic Technology in Civil Engineering for Sustainable Development, SJBIT, Bangalore, 7th May 2016, PP: 39-42. (Received best paper award).
31. B.V.Deepika, C. R. Ramakrishnaiah and G .Ranganna, Assessment of Groundwater Quality Index: A case study in Udupi, Karnataka, India, National

- conference on Civil Engineering and Sustainable Urban Development (NCCESUD-2018), BIT, Patna, 16-17 Feb 2018, pp:44-48.
32. Sheeba Anjum and C. R. Ramakrishnaiah, Solidification/Stabilization of Manganese and AETP(Automated Effluent treatment Plant) Sludge using a Novel Combination of cement with Sintered waste additive, National conference on Civil Engineering and Sustainable Urban Development (NCCESUD-2018), BIT, Patna, 16-17 Feb 2018, pp:111-117.
 33. Waseem Raza, Aquib Nasir Razi & Dr. C. R. Ramakrishnaiah Assessment of Groundwater Quality Status in the Residential Area Surrounding Peenya Industrial Area, International conference on impact of global atmospheric changes on natural resource (IGACNR), UVCE, Bangalore, 19-20 Dec 2018, pp: 85-87.
 34. Deepika B V, C R Ramakrishnaiah, "Assessment of ground water vulnerability using GIS-based DRASTIC model and sensitivity analysis : A case study in udupi district, karnataka state, India", in virtual international conference on emerging trends in science and Engineering ICETSE-2020, on 10th and 11th July 2020 in SMVITM, Bantagal,Udupi.
 35. Devendra R, Ramakrishnaiah C R, Quality Control and Assessment of Compost Obtained from Open and In-Vessel Composting Methods, 1st International Conference on Advances in Biopolymers and Composites: Health, Environment, and Energy, Motilal Nehru National Institute of Technology Allahabad Prayagraj - 211004, India, ISBN: 978-93-94086-06-7, October 20-22, 2022.
 36. Devendra R, Ramakrishnaiah C R, Proposal of Landfill site for Bangalore City using GIS Integrated with Analytic Hierarchy Process (AHP) Method, 4th International Conference on Advances in Sustainability of Materials and Environment (ICASME'23), ISBN 978-93-5811-584-0,May 25-26, 2023.

Domain Expert for Pre-PhD Comprehensive Viva Voce Examination

SI.No	Candidate Name & Supervisor	University Seat No.	Research Topic / Exam date
1.	Mr. SRIDHARA M K Dr C.Sadashivaiah Dr SMCE, Nelamangala Taluk, Bangalore, Rural District	5VX11PCN04	Correlation between Drinking Water Quality and Health Risks in Chikkaballapur and Bagepalli taluks of Chikkaballapur District, Karnataka 15th July 2020 (Online)
2.	Mr Nagaraj MB Gupta Dr C.Sadashivaiah Dr SMCE, Nelamangala Taluk, Bangalore, Rural District	5VX07PCN03	Impact of industries on soil and water Environment-An investigation in Peenya industrial area,

			Bangalore March, 2015
3.	Ms. GV RATHNAMALA Dr. GP Shivashankara Professor, Dayanandasagar College of Engineering, Bengaluru-78	4PS13PCN01	Household Environmental Hazards and its Emergent Pollutants in Rural areas. Karnataka 14th February 2022

Some of the M.Tech (Env.Engg) projects guided:

1. Treatment of sewage by using coconut shell as bio-filter media, 2009.
2. Removal of fluoride from water using locally available materials at village level, 2009.
3. Reclamation of wastewater for artificial recharging-An experimental study, 2010.
4. Determination of bio-kinetics for wastewater, 2010.
5. Comprehensive study of environmental and economic aspects for an industrial area in Bangalore city, 2011.
6. Hexavalent chromium removal by chemical precipitation method-A study, 2011.
7. Optimization of municipal solid waste collection through GIS technique for Chikmagalur city, 2011.
8. A study of phosphorus removal by adsorption process using low-cost adsorbents, 2012.
9. Assessment of groundwater vulnerability to contamination in Anekal Taluk, Bangalore urban district, 2012.
10. Effects of sludge on soil & vegetative plants and its treatment, 2012.
11. Removal of colour from textile effluent by adsorption using low cost adsorbents, 2013.
12. Spatial decision support system for solid waste management in Chikmagalur city, 2013.
13. A study on denitrification of wastewater using a fixed-bed biofilm reactor packed by sand, 2014.
14. A novel approach for stabilization of hazardous waste to meet criteria for disposal into secured landfills, 2014.
15. A study on removal of acid orange-7 by advanced oxidation process using UV and hydrogen peroxide (H₂O₂), 2014.
16. Stabilization of metal-laden soils using a novel combination of cement with a sintered waste additive, 2015.
17. Decentralized model for solid waste management in Basavanagudi ward using GIS technique, 2015.

18. Distribution and Migration of Heavy Metals in Peenya Industrial Area, Bangalore, Karnataka, India.2015.
19. Arsenic removal from groundwater using fly ash as an adsorbent, 2016.
34. Analysis for improvement of water distribution system through reduction in unaccounted for water (UFW) - A case study, 2016.
20. Chromium removal from aqueous solution using fly ash as an adsorbent, 2016.
21. A study on stabilization/solidification of industrial metal-laden sludge, 2017.
22. Solidification/Stabilization of Zinc phosphating and AETP sludge using a novel combination of cement with a sintered additive, 2017.
23. Removal of heavy metals from aqueous solutions using groundnut shell powder as an adsorbent, 2018.
24. Solidification and stabilization of expired chemicals, 2018.
25. Solidification of manganese plating sludge and ETP work sludge, 2019.
26. Microbial bioremediation of soil contaminated with heavy metals using activated carbon as an amendment, 2019.
27. Landfill site selection using RS and GIS techniques for Chikmagalur city, 2020.
28. Removal of Azo dyes by advanced oxidation process using UV and Hydrogen Peroxide (H_2O_2), 2020.
29. Delineation of Groundwater potential zones using Remote Sensing and Geographic Information System Techniques for Hassan district, Karnataka, 2021.
30. Delineation of groundwater potential zones in Kolar district using remote sensing and geographical information system technology, 2021.
31. Degradation of methylene blue and Congo red dye using novel carbonaceous V_2O_5 nanoparticles, 2022
32. Removal of colour by advanced oxidation process using hydrogen peroxide (H_2O_2) and ozone (O_3), 2022.
33. Landfill site selection for Bangalore city using remote sensing and GIS techniques, 2023
34. Site selection and route optimization for solid waste disposal for Ramanagara city using remote sensing and GIS techniques, 2023.
35. Site selection and route optimization for solid waste disposal for Hassan city using remote sensing and GIS techniques, 2024.
36. Site selection and route optimization for solid waste disposal for Belgaum city using remote sensing and GIS techniques, 2025.
37. Sustainable Approach for Malachite Green & Methyl Orange Dye Removal Using Chitosan as Adsorbent, 2025.

Papers included in the data base of US Government science organization "science.gov" and cited in India Environment portal

- Ramakrishnaiah.C.R, C.Sadashivaiah, and G.Ranganna, Hydrochemical analysis and evaluation of groundwater quality in Tumkur taluk, Karnataka state, India, International Journal of Environmental Research and Public Health, 2008, Pp, 158-164.
- Ramakrishnaiah.C.R, C.Sadashivaiah, and G.Ranganna, Assessment of Water Quality Index for the Groundwater in Tumkur taluk, Karnataka state, India, International Journal of Chemistry, 2009, pp 523-530, Vol 6(2).

Paper indexed in ANED (American National Engineering Database)

Ramakrishnaiah.C.R and Vismitha, Removal of phosphate from wastewater using low-cost adsorbents, International Journal of Engineering Inventions, volume 1, issue 7, October 2012, pp: 44-50, was indexed in **ANED** in 2014.

Paper included in NLM (National Library of Medicine - National Institutes of Health, United States) Database

Ramakrishnaiah.C.R, C.Sadashivaiah, and G.Ranganna, Hydrochemical analysis and evaluation of groundwater quality in Tumkur taluk, Karnataka state, India, International Journal of Environmental Research and Public Health, 2008, Pp, 158-164.

Training programs attended:

- Training program on ISO 14001 EMS, BMS College of Engineering, 18-19 Oct 2023.
- FDP, Clean and Green, Indo Universal Collaboration for Engineering Education (IUCEE), Oct 2022-Dec 2022.
- Professional Development Training (PDT) sponsored by TEQIP-III at IIM Raipur, 14-16 Jan 2021.
- Professional Development Training (PDT) sponsored by TEQIP-III at IIM Trichy, 14-18 Oct 2019.
- One week faculty development program on "Biomolecular separation Techniques" at BMS College of Engineering, Bangalore, 27 Feb -3 March 2017.
- Global Initiative for Academic Network (GIAN) Course on "Study of various effects of heavy metals present in bore well water on human system" at BMS College of Engineering, Bangalore, 14 Nov-22 Nov 2016.

- One week faculty development program on “Recent advances in chemistry of materials for engineering applications”, at BMS College of Engineering, Bangalore, 11-15 July 2016.
- One week workshop programme on “Environmental Management Framework” at BMS College of Engineering, Bangalore, from 29th Feb to 4th March 2016.
- Competent Engineering Teaching – Challenges and Solutions-(CETCS-2014), sponsored by TEQIP-II, BMS College of Engineering, 18th to 22nd August 2014.
- Low Carbon Materials and Building Systems, Centre for Sustainable Technologies, Indian Institute of Science, Bangalore, 23-28, June 2014.
- Environmental management system in accordance with ISO 14001-2004, BMS College of Engineering, 27-31 Jan 2014.
- Training program on “Safety & Health Issues in Industrial Environment” sponsored by TEQIP-II, BMS College of Engineering, 17th to 22nd April 2013.
- Japanese Management Techniques, 26-30 August 2013.
- Training on Hazardous Waste Management, BIT, Bangalore, Nov 23-25, 2010.
- Quality Improvement Programme by National Institute of Technical Teachers Training and research, 2nd to 7th August 2010.
- Train the trainer programme of Plumbing Education to Employment Programme (PEEP), International Association of plumbing and mechanical officials, Bangalore, 20th and 21st April 2009.
- Seven days workshop on Geo-informatics at SIT, Tumkur, 2008.
- Isotope Techniques for water resources development and management at CWRDM, Calicut, Kerala, Jan 14-19, 2008.
- Principles and Application of GIS and Remote Sensing at IISc, Bangalore, March 12-17, 2007.
- Training programme on “GIS and Spatial Data Mining” at B.M.S.College of Engineering, Bangalore, Sept 8th and 9th of 2006.
- Ground water Pollution-Sources and mitigation at Dr. AIT, Bangalore, Jan 31-Feb 12, 2005.
- Advances in Geotechnical Practices in Waste Management at PES College of Engineering, Mandya, July 14-26, 2003.
- Advances in Standards and Testing of Engineering Materials at MVJ college of Engineering, Bangalore, March 26-31, 2001.

Workshops/training programs/ technical events organized/conducted:

- Environmental and geotechnical aspects of landfill reclamation: A case study of an old municipal solid waste landfill in India” on 09.01.2025.
- Two days training program on Basics of fire safety and first aid support under EMS ISO 14001, BMS College of Engineering, 12-13 March 2024.

- Two days training program on ISO 14001 EMS, BMS College of Engineering, 18-19 Oct 2023.
- Workshop on EMS ISO 14001 certification, BMS College of Engineering, 14th Sep 2023.
- Induction and orientation program on EMS ISO 14001, BMS College of Engineering, 9th Sep 2023.
- Mega job fair for engineering graduates with disabilities on 30.04.2022 at BMS College of Engineering, Bangalore.
- A guest lecture on “Teaching students with disabilities in institutions of higher learning” on 01.10.2019.
- One week MHRD sponsored GIAN course on “Integrated Water Resources Management (IWRM)” between Feb.11 to 15, 2019.
- One week MHRD sponsored GIAN course on “Integrated Water Resources Management (IWRM)” between Feb.11 to 15, 2019.
- A guest lecture on “Environmental Economics and Applications” for the students of M.Tech. in Environmental Engineering on 27th October 2018. (TEQIP III Funded)
- One day Training programme on “EMS, QMS” for the students of 4th Semester M.Tech. in Environmental Engineering. 28th Feb 2018.
- A guest lecture on “Advances in wastewater treatment technologies” for the students of M.Tech. in Environmental Engineering on 23rd March 2016.
- One week workshop programme on “Environmental Management Framework” at BMS College of Engineering, Bangalore, from 29th Feb to 4th March 2016.
- One week training programme on “Environmental Management System in Accordance with ISO14001-2004” at BMS College of Engineering, Bangalore, from 27th Jan to 31st Jan 2015.
- Workshop on “Utilization of solid waste in Civil Engineering constructions” at BMS College of Engineering, Bangalore, 5th April 2014.
- Workshop on “Urban Water Management” at BMS College of Engineering, Bangalore, 23rd March, 2013 (TEQIP II Funded).
- Inter collegiate Technical Paper Presentation for students at MVJ College of Engineering, Bangalore, 2007.
- Intra Departmental Technical Paper Presentation for students at MVJ College of Engineering, Bangalore, 2007.
- Workshop on “Environmental Pollution and Awareness” at MVJ College of Engineering, Bangalore, 2005.

Talks/lectures delivered:

- Ground water pollution and mitigation, Short term training programme for Teachers of Polytechnic Colleges, Govt Polytechnic, Tumkur, Karnataka, 2007.
- Urban Water Management-Best practice cases, one day workshop at BMS College of Engineering, Bangalore, 23.03. 2013.
- Water Management-Case studies, K.S.School of Engineering and Management, Bangalore, 6th May, 2013.
- Water conservation - Best practice cases, Dept of Civil Engg, Sri Venkateshwara college of Engineering, 13th Feb 2014.
- Water conservation - Best practice cases, one day workshop Dept of Civil Engg, Alpha College of Engineering, 29th April 2015.
- Water conservation - Best practice cases in colloquium, Dept of Civil Engg, BMS College of Engineering, Bangalore, 20.05.2015.
- Water conservation-An Integrated approach for sustainable development, FDP on Application of green technologies to overcome environmental challenges for sustainable urban development at MSRIT, 24-29 july.2017.
- Water conservation- An Integrated approach for sustainable development, WORLD WATER DAY, East West Institute of Technology, Bangalore, 22.03.2018.
- Analysis for improvement of water distribution system through reduction in unaccounted for water (UFW) - A case study from Bangalore, One week MHRD sponsored GIAN course on Integrated Water Recourses Management between Feb.11 to 15, 2019, BMSCE.

Membership of professional bodies:

1. Life member of Indian Society for Technical Education from 1995.
2. Member of Institute of Engineers (India) from 2001.

Some of the administrative/department/ institute/university activities:

- Working as Chairperson, Maintenance of EMS ISO 14001 from 27.09.2024.
- Working as Management representative (MR) for EMS ISO 14001 certification and implementation from March 2023.
- Working as PG (Env.Engg) Coordinator from 2014.
- Worked in NIRF ranking review committee of BMSCE in 2020.
- Worked as Chairperson, Differently Abled Service Cell (DASC) from 3.10.2018 to 8.10.2025.
- Member, Green Audit Committee, BMSCE, 2022-23.

- Director, B.M.S. Centre of Engineering Consultancy (BMSCEC) from 23.07.2019 to 23.06.2022.
- Member, Green Audit Committee, BMSCE, 2020-21.
- Member, Local Inquiry Committee (LIC) of Visvesvaraya Technological University for inspection of four Engineering colleges, 28th and 29th July, 2021.
- Member, Board of Studies (BOS) in Civil Engineering Department, BMSCE, 30.09.2019 to 2021.
- Coordinator, Environment Management Framework (EMF), TEQIP III from October 2018 to March 2021.
- NBA Coordinator for M.Tech (Env.Engg) program 2019.
- PG (Env.Engg) Coordinator from 2008 to 2012.
- Member of Board of Studies (BOS) in Civil Engineering Department, BMSCE, 2017-18 to 2018-19.
- Member, Academic Audit Committee (AAC), Civil Engineering Department, BMSCE, 2017-19.
- Worked as M.Tech-Env.Engg NBA Coordinator, 2017.
- Member of Employees Family Welfare Fund Committee, BMS College of Engineering from 25.09.2013 to 24.09.2015.
- Deputy chief superintendent (External) for Visvesvaraya Technological University (VTU) examinations from 1st July to 19th July 2013 at BIT, Bangalore.
- Worked as Environmental Engg Laboratory in-charge from 2010 to 23.09.2013.

Projects executed /consultancy/third party inspection works:

- Selection of rainwater collection points. To suggest the discharge points, design of rainwater collection sumps and discharge pipes at Innovative Oak Garden Apartment, Bangalore, 2023.
- To do a review of STP capacity and to provide recommendations, Innovative Oak Garden Apartment, Bangalore, 2023.
- Preparation of operation manual for STP, Innovative Oak Garden Apartment, Bangalore, 2023.
- Confirmation of the quality of water and suggestion for water purification, Work from Project Engineer, Karnataka State Habitat Centre, 2021.
- Evaluation of groundwater quality suitability for drinking purpose of bore wells of Anekal Taluk, Bangalore in March 2013 (work from Panchyat Raj division of Karnataka state government).
- Evaluation of groundwater quality suitability for drinking purpose of 736 bore wells of Anekal Taluk, Bangalore in Nov-Dec 2010 (work from Panchyat Raj division of Karnataka state government).
- Involved in third party inspection of civil works in Mandya district in the year 2009.

- Planned, and executed a sewage treatment plant of 100KLD capacity at MVJ College of Engineering campus, Bangalore in the year 2003.
- Planned, and executed a rainwater harvesting system at MVJ College of Engineering campus, Bangalore in the year 2003.

Reviewed for the following International journals:

1. African Journal of Agricultural Research
2. Journal of Ecology and Natural Environment
3. International Journal of Water Resources and Environmental Engineering
4. Journal of Oceanography and Marine Science
5. Environmental Engineering Science
6. Journal of Scientific Research and Reports
7. Peak Journal of Physical and Environmental Science Research
8. Journal of Geography, Environment and Earth Science International
9. Journal of Scientific Research and Reports
10. American Chemical Science Journal
11. British Microbiology Research Journal
12. British Journal of Applied Science & Technology
13. Asian Journal of Current Research
14. British Biotechnology Journal
15. Journal of Applied Life Sciences International
16. Journal of Global Ecology and Environment
17. Asian Journal of environment and ecology
18. Chemical Science International Journal
19. Archives of Current Research International
20. Egyptian Journal of Aquatic Research
21. International Journal of Plant & Soil Science
22. Journal of Biology and Nature
23. Journal of Science and Technology, Malaysia
24. Annual Research & Review in Biology
25. Journal of Agricultural Economics and Rural Development.
26. Journal of Experimental Agriculture International
27. Current Journal of Applied Science and Technology
28. Asian Journal of Research in Medical and Pharmaceutical Sciences
29. Journal of Advances in Microbiology
30. Asian Journal of Applied Chemistry Research
31. Asian Journal of Geographical Research
32. Journal of Energy Research and reviews.
33. Asian Journal of Geological Research
34. Journal of Advances in Research

35. Asian Journal of Fisheries and Aquatic Research
36. Asian Journal of Agricultural and Horticultural Research
37. Journal of Engineering Research and Reports
38. Asian Journal of Advanced Research and Reports
39. Journal of Institution of Engineers (India)
40. Academia Letters
41. Geocarto International

Honours

1. Management representative (MR) for EMS ISO 14001 certification from March 2023.
2. Nominated as member, Local Inquiry Committee (LIC) of VTU for inspection of four Engineering colleges on 28th and 29th of July 2021.
3. Member of Board of Examiners for PG (M.Tech)-Environmental Engg, UVCE, Bangalore University, 2020-21, 2021-22.
4. Advisory Committee Member, One week online FDP on Climate change and carbon issues, Dept. of Civil Engg, BMS College of Engineering from 6.07.20 to 10.07.2020.
5. Advisory Committee Member, One week AICTE-ISTE Induction Programme, Dept. of Mechanical Engg & IEM, BMS College of Engineering from 04.05.2018 to 09.05.2018.
6. Advisory Committee Member, 6th national conference on “Futuristic Technology in Civil Engineering for Sustainable development, Department of civil Engineering, SJBIT, Bengaluru, 9.05.2018.
7. Chief guest and Speaker on “WORLD WATER DAY”, East West Institute of Technology, Bangalore, 22.03.2018
8. Member of Board of Examiners for PG (M.Tech)-Environmental Engg, UVCE, Bangalore University, 2016-17.
9. Member of Board of Studies (BOS) for PG (M.Tech)-Environmental Engg at PES College of Engg, Mandya for the academic year 2011-12.

Certificate awards:

1. Best paper award: Determination of bio-kinetic parameters for sequencing batch reactor type sewage treatment plant, International conference on emerging trends in Engineering and technology, organized by Technoarete, Bangalore, May 18, 2014.
2. Best paper award: Arsenic removal from drinking water using fly ash as an adsorbent, National Conference on Futuristic Technology in Civil Engineering for Sustainable Development, SJBIT, Bangalore, 7th May 2016, PP: 39-42.

3. Certificate of Excellence in Reviewing: British Journal of Applied Science & Technology, (International) (Certificate No: SDI/HQ/PR/Cert/34436/CRR).
4. Certificate of Excellence in Reviewing: Journal of Scientific Research and Reports, (International) (Certificate No: SDI/HQ/PR/Cert/34360/CRR).
5. Certificate of Excellence in Reviewing: Journal of Annual Research & Review in Biology, (International) (Certificate No: SDI/HQ/PR/Cert/35083/CRR).
6. Certificate of Excellence in Reviewing: Journal of Geography, Environment and Earth Science International, (International) (Certificate No: SDI/HQ/PR/Cert/34634/CRR).
7. Certificate of Excellence in Reviewing: Journal of Experimental Agriculture International, (International) (Certificate No: SDI/HQ/PR/Cert/35630/RAM).
8. Certificate of Excellence in Reviewing: Asian Journal of Environment & Ecology, (International) (Certificate No: SDI/HQ/PR/Cert/35877/CRR).
9. Certificate of Excellence in Reviewing: Current journal of Applied Science and Technology, (International) (Certificate No: SDI/HQ/PR/Cert/36170/RAM).
10. Certificate of Excellence in Reviewing: Journal of Advances in Microbiology (International) (Certificate No: SDI/HQ/PR/Cert/36528/RAM).
11. Certificate of Excellence in Reviewing: Asian Journal of Research in Medical and Pharmaceutical Sciences (International) (Certificate No: SDI/HQ/PR/Cert/36387/RAM).
12. Certificate of Excellence in Reviewing: International Journal of Plant & Soil Science (International) (Certificate No: SDI/HQ/PR/Cert/36358/Ram).
13. Certificate of Excellence in Reviewing: Journal of Applied Life Sciences International, (Certificate No: SDI/HQ/PR/Cert/38054/RAM).
14. Certificate of Excellence in Reviewing: Archives of current research International, (Certificate No: SDI/HQ/PR/Cert/34504/RAM).
15. Certificate of Excellence in Reviewing: Asian Journal of Applied Chemistry Research, (International) (Certificate No: SDI/HQ/PR/Cert/41958/CRR).
16. Certificate of Excellence in Reviewing: Asian Journal of Geological Research (Certificate No: SDI/HQ/PR/Cert/42360/CRR).
17. Certificate of Excellence in Reviewing: Journal of Advances in Research (Certificate No: SDI/HQ/PR/Cert/43581/CRR)
18. Certificate of Excellence in Reviewing: Chemical Science International Journal (Certificate No: SDI/HQ/PR/Cert/43673/CRR).
19. Certificate of Excellence in Reviewing: Asian Journal of Fisheries and Aquatic Research (Certificate No: SDI/HQ/PR/Cert/44146/CRR).
20. Certificate of Excellence in Reviewing: Asian Journal of Agricultural and Horticultural Research (Certificate No: SDI/HQ/PR/Cert/47834/CRR).
21. Certificate of Excellence in Reviewing: Asian Journal of Advanced Research and Reports (Certificate No: SDI/HQ/PR/Cert/48273/RAM).
22. Certificate of Excellence in Reviewing: Asian Journal of Advanced Research and Reports (Certificate No: SDI/HQ/PR/Cert/82814/RAM).

23. Certificate of Excellence in Reviewing: Asian Journal of Environment & Ecology, (International) Certificate No: SDI/HQ/PR/Cert/104879/DRR.

DR.RAMAKRISHNAIAH.C.R