

Faculty Profile

Dr. M Lokeshwari

Faculty Photo

Brief Profile (Few Paragraphs)

Dr. M. Lokeshwari is a highly accomplished academic and researcher in environmental engineering, is currently serving as Associate Professor in the Department of Civil Engineering and NSS Program Officer at RV College of Engineering, Bengaluru. She has an excellent academic career that spans over two decades, including a long-standing tenure at RVCE since 2008. She is recognized for her outstanding contributions with prestigious honors such as the Outstanding Indian Achiever Award, Academic Excellence, Young Environmentalist, Young Researcher and Dr. APJ Abdul Kalam National Award at national and International level. She has consistently demonstrated academic excellence, earning her Ph.D. in Civil Engineering Sciences and securing first-class distinctions in both her M.Tech and B.E. degrees. Dr. Lokeshwari has been celebrated for her research, receiving multiple best paper awards at national and international conferences, and has made significant scholarly contributions through published book chapters and journal articles. Her leadership is further reflected in her roles on academic boards of studies and examinations, as a reviewer and session chair for scientific events, and as an expert member of policy and development committees. In addition, as a promising NSS officer, Dr. Lokeshwari has actively fostered community engagement and social responsibility among students, organizing impactful outreach programs and initiatives that promote sustainable development and civic awareness.

Dr. M. Lokeshwari is a good chess player, demonstrating strategic thinking and focus alongside her academic and professional pursuits. She has successfully organized and participated in various state-level NSS Republic Day Parade Camps, showcasing her leadership and organizational skills. Her involvement in sports and cultural events at the university highlights her well-rounded personality and commitment to holistic development. Dr. M. Lokeshwari has made notable achievements in Universal Human Values (UHV) and life skills training, having successfully organized and participated in faculty development programs focused on UHV, which are essential for nurturing ethical, empathetic, and socially responsible professionals.

Personal Information

- Name: Dr. M Lokeshwari
- Designation: Associate Professor and NSS Program officer
- Department: Civil Engineering
- Email: lokeshwarim@rvce.edu.in
- Phone: 08068188186

Google Scholar: <https://scholar.google.co.in/citations?user=gfhN1-0AAAAI>

ResearchGate: <https://www.researchgate.net/profile/Lokeshwari-M/research>

LinkedIn: <https://www.linkedin.com/in/dr-lokeshwari-m-835971110>

ORCID ID: <https://orcid.org/0000-0001-6732-2221>

Scopus ID: <https://www.scopus.com/authid/detail.uri?authorId=36717811400>

Wen of Science: <https://www.webofscience.com/wos/author/record/1341183>

Domain of Expertise:

Research Focus

- **Primary Area:** Environmental Engineering
- **Allied Areas:**
 - Solidwaste Management, Air pollution and control
 - Water and waste water Engineering
 - Sustainable Development and Environmental Technology
 - Climate Change

Academic Qualifications

- Ph.D.: [Civil Engineering Sciences], [Visvesvaraya Technological University], [2018]
- M.Tech: [Environmental Engineering], [Visvesvaraya Technological University], [2003]
- B.E.: [Environmental Engineering], [Mysore University], [2001]

Professional Experience

Experience: 19 years			
S.No	Institute/College/Industry	Job Title	Duration (From- To)
1.	RV College of Engineering	Associate Professor	February 2019 – till date
2.	RV College of Engineering	Assistant Professor	January 2011 – January 2019
3.	RV College of Engineering	Lecturer	February 2008 – December 2010
4.	AIT Chikmagalur	Lecturer	March 2006 – February 2007

Publications & Patents

Journal Publications

1. Lokeshwari M. and Dr. C. Nanjunda Swamy, “Vermicomposting of municipal and agricultural solid waste with sewage sludge” in **international Journal JERAD** Journal of Environmental Research and Development, ISSN 0973-6921 Vol 3 No.1, July- September 2008. pp 51-61. JERAD id open accessed peer reviewed journal Indexed in **Research gate, Google scholar, Academic search, CAS division of American chemical society, Asian science citation index ASCI**, Indian science, Dictionary of research journal indexing, Open academic journal index, Advanced science index, Directory of science, **Open access journal** research engine etc.
<http://www.jerad.org/ppapers/dnload.php?vl=3&is=1&st=51>.
2. Lokeshwari M. and Dr. C. Nanjunda Swamy, “Waste to Wealth - Agriculture Solid Waste Management Study” **international journal Pollution Research** ISSN- 0257-8050, Vol. 29 (3) 2010. pp 513-517. Publisher : EM internationals. Indexed in **SCOUPUS**, Chemical abstracts USA, EBSCO publishing USA, Cambridge science abstracts Accredited with National Academy of Agricultural Sciences, NAAS,

- India. Features in Uhlrich International periodical directory, UK, Gale Directory, UK and SAARC directory of periodicals.
http://www.envirobiotechjournals.com/article_abstract.php?aid=456&iid=17&jid=4
3. Lokeshwari M and Anantha Rama V “construction and demolition waste management” **A review paper in international Journal JERAD** Journal of Environmental Research and Development, ISSN 0973-6921, No.1, Vol. 5, pp 96-104, July-September 2010. JERAD id **open accessed peer reviewed journal Indexed in Research gate, Google scholar, Academic search, CAS division of American chemical society, Asian science citation index ASCI, Indian science, Dictionary of research journal indexing, Open academic journal index, Advanced science index, Directory of science, Open access journal research engine etc.**
www.jerad.org/ppapers/download.php?vl=5&is=1&st=96
 4. Lokeshwari M. and Dr. C. Nanjunda Swamy, “Sustainable development through Recycling of Construction and Demolition waste” **international journal Nature, Environment and Pollution Technology**. ISSN 0972-6268, Vol.10, No.1, pp27-32, Jan-March 2011. Indexed in **SCOUPUS, Chemical abstracts USA, Pollution abstracts USA, Environment abstract USA, Paryavaran abstract India, Indexed Copernicus International etc.**
http://www.neptjournal.com/journal-details.php?id=21&q_id=5
 5. Lokeshwari M. and Dr. C. Nanjunda Swamy “ Management of waste as resource in Mysore”, **International Journal of Environmental Research and Development**, ISSN 2249-3131, vol 3, No.6, 2013. JERAD id open accessed peer reviewed journal Indexed in **Research gate, Google scholar, Academic search, CAS division of American chemical society, Asian science citation index ASCI, Indian science, Dictionary of research journal indexing, Open academic journal index, Advanced science index, Directory of science, Open access journal research engine etc.**
<http://www.ripublication.com/Volume/ijerdv3n6.htm>
 6. Lokeshwari M. and K S Jagadeesh, “Eco Friendly Use of Granite Fines Waste in Building Blocks:”, *Procedia Environmental Sciences*, Elsevier publication, No. 35, 2016, pp 618-623, Available online **www. Sciencedirect.com. open access.** <http://dx.doi.org/10.1016/j.proenv.2016.07.049>
 7. Tarun Chaudhary, Sonali Kumari, Lokeshwari M, Karthik Shastry “Structural health monitoring through non-destructive evaluation”, *International journal of Engineering Research in Mechanical and Civil Engineering*, Volume 2, Issue 11, 2017, pp 76-80, ISSN (online) 2456-1290. **Doi :** [01.1617/vol4/iss11/pid53261](http://dx.doi.org/10.11617/vol4/iss11/pid53261)
 8. M Lokeshwari, Nikunj Ostwal, Nipun K H, Prakha Saxena, Pracheer Pranay “Utilization of waste plastic as partial replacement of fine and coarse aggregate in concrete blocks.”, *International Research Journal of engineering and technology*, E ISSN: 2395-0056, P ISSN: 2395:0072, Vol 06, Issue 09, pp 378-382. 2019. Impact factor 7.34. ISO 9001:2008 certified journal. <https://www.irjet.net/volume6-issue9>.
 9. Anantarama V, Gajalakshmi K, Lokeshwari M, “ Spatial and temporal drought analysis in Sitanadi basin. Udupi district, Karnataka using SPI. *International Journal of Innovative Technology and Exploring Engineering (IJITEE)* ISSN: 2278-3075, Volume-8, Issue-9S3, **July 2019**, Impact factor – 3.8, **Indexed in Copernicus international, Google scholar, ORCID, Cosmos impact factor, Researcher ID Thomson Reuters etc. Thomson Reuters ID : q-6288-2016. ORCiD Research ID : 0000-0001-9540-6799**
<https://www.ijitee.org/wp-content/uploads/papers/v8i9S3/I30580789S319.pdf>
 10. Lokeshwari, M., T Raghavendra,., Sunil, S., Vageesh, H.P. and. Durga Prashanth, L, “Replacement of Fine Aggregate in Self Curing Concrete by Quarry Dust and Granite Fines”, *Pollution Research*, ISSN: 0257-8050, No 40, Issue 4, pp 1561-1566, 2021.
http://www.envirobiotechjournals.com/article_abstract.php?aid=12020&iid=341&jid=4
 11. Pavan Badakli B R and M Lokeshwari. “Potential of Rain Water Harvesting and Ground Water Improvement at RVCE”, *Global Journal of Researches in Engineering: C Chemical Engineering, International*, Volume 21, Version 1.0, pp 19-24, 2021
<https://engineeringresearch.org/index.php/GJRE/article/view/2115>

12. M.Lokeshwari, B.R.Pavan , S R.Tarun, P Sachin, Venkat Kumar, “A review on self-curing concrete, Materials Today ISSN 2214-7853, International, Volume 43 Part 2, Issue 2, pp 2259-2264, 2021
13. Lokeshwari, M., P. Vidya Sagar, K. Dilip Kumar, D. Thirupathy, Ram Subbiah, P. Ganeshan, A. H. Seikh, S. M. A. K. Mohammed, and David Christopher. "Optimization and tribological properties of hybridized palm kernel shell ash and nano boron nitride reinforced aluminium matrix composites." *Journal of Nanomaterials* 2022, no. 1 (2022): 8479012. <https://doi.org/10.1155/2022/8479012>

Conference Paper:

NATIONAL CONFERENCE:

1. Lokeshwari M and Dr. S.M. Prakash “Aerobic and Vermicomposting of Municipal and Agricultural Solid Waste” in National Conference on Advances in Environmental Science and Engineering, CEMCT06, at IIT, Bombay, SH-18, December 8 – 9, 2003
2. Lokeshwari M. and Dr. C. Nanjunda Swamy, “Windrow composting of municipal and agricultural solid waste with sewage sludge” at National conference on Civil engineering Meeting the Challenges of Tomorrow-2006, CEMCT-06 Gurunanak Dev College of Engineering, Ludhiyana, Punjab.pp598-605, Nov 24—25, 2006.
3. Lokeshwari M. “Bio-remedial Recycling technology for Agricultural solid waste – A boon to farmer” in National Conference on Go Green at Department of Bio- Technology, R.V. College of Engineering, Bangalore. No.14, pp 20, November 14, 2009.
4. Lokeshwari M, Mathew Joe and Bharath T, “Institutional Solid waste management: Case study –R.V.College of Engineering, Bangalore” National Conference on Innovative approaches to meet challenges in civil Engineering NCIACCE 13 at SJB Institute of Technology. Organized by Department of Civil Engineering, SJBIT, Bangalore. March 4., 2013.
5. Lokeshwari M., Ankur Dobriyal, Tejas Patil “ Indoor Air Quality & Occupational Health and Safety” at National conference on Curbing E-Wastes, at Acharya Institute of Technology, Bangalore. 9th November 2013, pp34, CV-16.
6. Madhu C N, Lokeshwari M and K S jagadish “ Utilization of Granite fines in Adobe blocks” at National Conference on Futuristic technology in Civil Engineering for sustainable development” conducted by SJB Institute of Technology, Bengaluru. 9th May 2015. Pp 85- 87 **Best paper awarded**.
7. Rohith Sharma, Lokeshwari M, Aryan Maheswari, Ashish Patel, “Design of zero waste toilet for rural areas”, National conference on advances in Civil Engineering (NCACE – 2017) organized by East West Institute of Technology, Bengaluru in association with Indian Concrete Institute, Karnataka during 21-22 September 2017, pp28-29.
8. Lokeshwari M and Sai Supreth , “Restructuring of NSS in the current scenario” , TEQIP 1.3 sponsored conference on “ Role of social service in the changing perspective of new education system” held at Visveswaraya Technological University, Belagavi during 6th and 7th September 2019.
9. Shashidhar SS, Srinithya Amai, Lokeshwari M, “ Self curing concrete using super absorbent polymer”, National conference on Advances in Civil Engineering NCACE-EWIT 2019 organised by department of civil engineering, East West Institute of Technology in association with Indian Concrete Institute Bengaluru Chapter, Ultra tech cement during 3rd and 4th October 2019.

10. Manoj D C and Lokeshwari M, “ Cost effective utilization of quarry dust and granite industry waste”, at National Conference on Advances in Civil Engineering NCACE-2020 conducted by East West Institute of Technology Bengaluru. 23rd- 24th December 2020. **Best paper awarded’.**
11. Anatra Gogai and Lokeshwari M, “ Solid waste management in different cities of India.”, at National Conference on Advances in Civil Engineering NCACE-2020 conducted by East West Institute of Technology Bengaluru. 23rd- 24th December 2020.

INTERNATIONAL CONFERENCE:

1. Lokeshwari M. and Dr. C. Nanjunda Swamy, “Vermicomposting of municipal and agricultural solid waste with sewage sludge” at 1st international congress on environmental research, ICER-07, at Govt. Geetanjali PG college, Bhopal, Madhya Pradesh. S-5, December 28-30, 2007.
2. Lokeshwari M. and Dr. C. Nanjunda Swamy, “Decentralization of solidwaste management system” at international conference on Resource Utilization and Intelligent Systems INCRUIS2K8, at Kongu Engineering college, Perundurai, Erode,Tamilnadu. Vol-1, pp 324-328, January 3-5, 2008.
3. Lokeshwari M. and Dr. C. Nanjunda Swamy,“Management of Construction and Demolition waste” in international conference ICER-08, 2nd international congress of environmental research, at Birla Institute of Technology, BITS-Pilani Goa-Campus, Goa Organized by JERAD and BITS, T-138,pp1056, December 18-20, 2008.
4. Lokeshwari M. and Dr. C. Nanjunda Swamy,“Vermiculture – A Biotechnology for Recycling of Solid Waste to Organic Fertilizer” in International conference on Challenges in Bio technology and Food technology ICBF2009, at Department of Chemical Engineering, Annamalai University, Tamilnadu. No.152, pp 57, 2009.
5. Lokeshwari M. and Dr. C. Nanjunda Swamy “ Quantification, Characterization, and Leachate analysis of the municipal solid waste in Mysore city, Karnataka, India” at 3rd International Congress of Environmental research, ICER10, at University of Mauritius, Reduit, Mauritius. Ref No. ICER/T/435/O, pp835, September 16 -18, 2010.
6. Lokeshwari M. and Dr. C. Nanjunda Swamy “Self sustainable solid waste management – A case study at Mysore” at Lake 2010: Symposium on wetlands, Biodiversity and Climate change at Cistup, Indian Institute of Science, Bangalore. December 22-24, 2010.T-14_oral_03. Available online.
7. Lokeshwari M. “Solid waste management issues in Mysore city” at 4th International Congress of Environmental research, ICER11, at Sardar Vallabhabhai National Institute of Technology, SVNIT Surat, Gujarath SS-1 368, pp93, December 15-17, 2011. Ref No.ICER/SS/368/O/2011.
8. Lokeshwari M. and Dr. C. Nanjunda Swamy “Municipal solid waste Charecterization, Recovery and Recycling options in Mysore.” at 3rd International Conference on Solid Waste Management ICON SWM2012 at Mysore Infosys Campus, Mysore. Sl.No. 26, pp 183-190, July 30- August 1, 2012. Ref. No. IND-abs-40. e- proceedings ISBN – 81-86862-45-5, Printed volume.1 -ISBN 81-86862-46-3 & Vol. 2 – ISBN 81-86862-74-1
9. Lokeshwari M. and Dr. C. Nanjunda Swamy “Role of Public, Private and NGO’s with the Urban Local Body in sustainable solid waste management” at 5th International Congress of Environmental research, ICER12 at Universiti Malaysia Terengganu (UMT), Malaysia, November 22-24, 2012. Ref No.ICER/SS-II/O/427/12 and Registration No. ICER/178/12, SS-II – 427, PP548. **‘Best paper awarded’.**
10. Lokeshwari M., Swetha M.V and Lakshmi C “Air Quality and Occupational Health at E –Waste Management Facility – A Case Study.” at 5th International Congress of Environmental research, ICER12 at Universiti Malaysia Terengganu (UMT), Malaysia, November 22-24.2012, T-617,pp646.

11. Lokeshwari M. and Dr. C. Nanjunda Swamy “Route Optimization for efficient Collection, Transportation and Sustainable Solid Waste Management in Mysore city using Geographic Information System” at International Conference on Solid waste management, Icon SWM 2014, at NGR Agricultural University, Hyderabad. e-proceedings ISBN 81-86862-49-8, pp 143-148, January 28-30, 2014.
‘Best paper awarded’.
12. Lokeshwari M. and Vinutha Bai N “Analysis of barriers and success factors for Eco friendly and sustainable solid waste management in Bangalore city, India” at International Conference on Solid waste management, Icon SWM 2014, at NGR Agricultural University, Hyderabad. e-proceedings ISBN 81-86862-49-8, pp 215-218, January 28-30, 2014.
13. Lokeshwari M. and Dr. C. Nanjunda Swamy “Ground Water Quality - Hurdles and Remedies at Solid Waste processing site in Mysore City, India” at 4th international Engineering Symposium 2015 at Kumamoto University, Japan. March 4-6, 2015 . pp C5- 1-5.
14. Lokeshwari M. and K S Jagadeesh, “Eco Friendly Use of Granite Fines Waste in Building Blocks” at 5th International Conference on Solid waste management, Icon SWM 2015, at JN Tata Seminar Hall, Indian Institute of Science, Bangalore. e-proceedings ISBN 81-86862-57-9, pp 1007-1011, November 24-27, 2015, **Excellent paper awarded.**
15. Lokeshwari M, Vikas M, N Amarnatha reddy, “ Peak flood estimation along southern coast :Kerala, India”, 9th International conference on Asian and pacific coasts, APAC 2017, organized by Philippines Institute of Civil Engineers in association with coastal engineering committee of japan society of civil engineers, Korean society of coastal and ocean engineers and Chinees ocean engineering society. Held at Passay city, Philippines during 19th – 21st October, 2017. pp175-186. (**Scopus indexed**) https://doi.org/10.1142/9789813233812_0017.
16. Lokeshwari M, Vikas Mendi, T. Raghavendra, N. Amarnatha Reddy, B.C. Udayashankar "Co-composting of Municipal Solid Waste with Sewage Sludge for Sustainable Waste Management in Urban Areas", ASCE India conference 2017 on Urbanization challenges in emerging economics conducted by **IIT Delhi** in association with **American Society of Civil Engineers and Institution of Engineers (India)**, during 12-14 December 2017 at IIT Delhi, Track 3, No. 0078_0116_000509 pp33. <https://ascelibrary.org/doi/10.1061/9780784482025.009>
17. Vikas Mendi, Amarnatha Reddy N, Lokeshwari M, T. Raghavendra and Jaya Kumar Seelam "What Is the Tidal Energy Potential of Sri Lanka?" ASCE India conference 2017 on Urbanization challenges in emerging economics conducted by **IIT Delhi** in association with **American Society of Civil Engineers and Institution of Engineers (India)**, during 12-14 December 2017 at IIT Delhi, Track 4, No. 0078_0116_000504 pp49. <https://ascelibrary.org/doi/10.1061/9780784482025.037>
18. Amarhatha Reddy, Vikas Mendi, T Raghavendra, Lokeshwari M "Flood estimation using probability Distribution function based synthetic unit hydrograph methods of ungauged catchments in varrar basin, Kerala, India" ASCE India conference 2017 on Urbanization challenges in emerging economics conducted by **IIT Delhi** in association with **American Society of Civil Engineers and Institution of Engineers (India)**, during 12-14 December 2017 at IIT Delhi, Track 3- 4, No. 0078_0116_000201 pp127. <https://ascelibrary.org/doi/10.1061/9780784482025.016>
19. T Raghavendra, B C Udayashankar, M. Lokeshwari, Vikas Mendi, N Amarnatha Reddy "Effect of water content on relative flow area and hence predicted flow values of controlled low strength materials", ASCE India conference 2017 on Urbanization challenges in emerging economics conducted by **IIT Delhi** in association with **American Society of Civil Engineers and Institution of Engineers (India)**, during 12-14 December 2017 at IIT Delhi, Track 5, No. 0078_0116_000360 pp72. <https://ascelibrary.org/doi/10.1061/9780784482032.020>
20. Lokeshwari M, Amar R, Karthik G,” Smart water distribution system”, 5th International conference on

Applied Science Engineering and Technology, organised by Sri Sairam college of Engineering, Anekal, Bengaluru in association with Institute for Engineering Research and Publication, 17th – 18th May 2018, pp 109, ISBN: 978-81-937041-7-2.

21. Lokeshwari M, Tanay N B, Nanjunda swamy C ,, “Effect of closed municipal solid waste (MSW) landfill on surrounding water bodies”, at The 34th International conference on solidwaste technology and management organized by widener university at Annapolis, MD USA., March 31st – April 3rd , 2019.
23. Raghu G M and Lokeshwari M, “Ecofriendly self curing concrete”, at 3rd International conference on recent research emerging trends in civil engineering (ICRRETCE-2019) held during 12th & 13th July 2019 at Reva University, Bengaluru
24. Lokeshwari, M., Raghavendra, T., Sunil, S., Durga Prashanth, L. and Vageesh, H.P., “Replacement of Fine Aggregate in Self Curing Concrete by Quarry Dust and Granite Fines”, Second ASCE Conference in India on “Challenges of Resilient and Sustainable Infrastructure Development in Emerging Economies (CRSIDE 2020)”, Volume No. 1 ISBN: 978-93-5396-500-6, pp205. Edition 2020.
25. Raghavendra, T., Vageesh, H.P, Lokeshwari, M., Sunil, S., and Durga Prashanth, L., “Mechanical and Durability Properties of Sustainable Concrete”, Second ASCE Conference in India on “Challenges of Resilient and Sustainable Infrastructure Development in Emerging Economies (CRSIDE 2020)”, Volume No. 1, ISBN: 978-93-5396-500-6, pp220. Edition 2020.
26. Sunil S, Durga Prashanth, L., Raghavendra, T., Vageesh, H.P and Lokeshwari, M., “Flowability and Strength of Cement Mortar Grout for Semi Rigid Pavement”, Second ASCE Conference in India on “Challenges of Resilient and Sustainable Infrastructure Development in Emerging Economies (CRSIDE 2020)”, Volume No. 1, ISBN: 978-93-5396-500-6, pp303, Edition 2020.
27. Vageesh, H.P, Lokeshwari, M, Durga Prashanth, L., Raghavendra and Sunil S, “Structural Behaviour Comparision of ECBCDC, Mivan and Framing Systems for Seismic Analysis of Multistoried Building,” Second ASCE Conference in India on “Challenges of Resilient and Sustainable Infrastructure Development in Emerging Economies (CRSIDE 2020)”, Volume No. 1, ISBN: 978-93-5396-500-6, pp310-311, Edition 2020.
28. Suchith J Y and Lokeshwari M, “Plastic waste management”, 30th World conference on applied science , engineering and technology (WCASET-2020), International Virtual conference 30th October 2020.
29. Lokeshwari M and Syed Sadath Ali , “Application of Remote sensing and GIS in controlling Air pollution effects”, at International conference on water, Energy and Environment (WEECON 2021) organized by ISET Research India in association with IEI Vietnam, 23rd & 24th December 2021.
30. Vinayak Bhaskar Naik, Lokeshwari M and T M Shreyas , “Changes in land-use land cover pattern and its effect on flash flood in Bengaluru Karnataka” , at International conference on water, Energy and Environment (WEECON 2021) organized by ISET Research India in association with IEI Vietnam, 23rd & 24th December 2021.
31. Sahil Jayesh Shah, Lokeshwari M, Satvik Vijaykumar Hiremath, Anitej Srinivasan and R Krithik, “Replacement of coarse aggregate with recycled demolition waste “,, at International conference on water, Energy and Environment (WEECON 2021) organized by ISET Research India in association with IEI Vietnam, 23rd & 24th December 2021.
32. H P Vageesh, M Lokeshwari, L DurgaPrashanth, T Raghavendra and S Sunil, “Superior structural behavior of EcBcDc system under seismic loading over mivan and framing system”, at 2nd International conference on sustainable construction technologies and advancements in civil engineering, SvTACE 2021 at Shri Vishnu Engineering College for Women, Andrapradesh from 14/10/2021 to 16/10/2021. pp 288-292, 2021.
33. T Raghavendra, H P Vageesh, M Lokeshwari, S Sunil, and L DurgaPrashanth, “Engineering properties of concrete containing hazardous drywalls waste and GGBS”, ”, at 2nd International conference on sustainable construction technologies and advancements in civil engineering, SvTACE 2021 at Shri

34. N. Tiku, S. K. Jindal and L. M, "Artificial Intelligence in Corporate Social Responsibility and Environment Sustainability," 2024 8th International Conference on Computational System and Information Technology for Sustainable Solutions (CSITSS), Bengaluru, India, 2024, pp. 1-6, doi: 10.1109/CSITSS64042.2024.10816872.
35. Lokeshwari M and Sameena, "Environmental Forensic for source investigation of surface water pollution- A Review" presented at ICST 2025, International Conference on Sustainable Technology 2025 on February 19th and 20th 2025; at NIE Mysuru.
36. Lokeshwari M and Gayatri, "Water from Thin Air: Construction and Operation of Atmospheric Water Generator at Fourth International Conference on Sustainable Energy, Environment and Green Technologies (ICSEEGT 2024), August 9-10, 2024.
37. Lokeshwari M and Nischith Tiku "Artificial Intelligence in Corporate Social Responsibility and Environment Sustainability", at 8th IEEE International Conference on Computational Systems & Information Technology for Sustainable Solutions held from 7th - 9th November, 2024.
38. Lake Pollution and Prevention with Reference to Chandpura Lake, Bengaluru at International Conference on Water, Environment, Energy, and Society (ICWEES 2025)

Books/Book Chapters:

1. Sonali Kumari, Tarun Chaudhary, Vivek Chandran, M. Lokeshwari, K. Shastry, "Carbon Electroluminescence- An Organic Approach to Lighting. AIP Conference Proceedings vol.1966, Issue 1, 2018; <https://doi.org/10.1063/1.5038697>, ISBN: 978-0-7354-1671-0; Indexed in **Web of Science**, **Scopus**, and **Inspec**, <https://aip.scitation.org/toc/apc/1966/1?expanded=1966>
2. Lokeshwari M, Vikas M, N Amarnatha reddy, "Peak flood estimation along southern coast :Kerala, India", pp175-186 at 'Asian and pacific coasts 2017'. Edited by Kyung-Duck Suh – South Korea, Eri C Cruz - Philippines, Yoshimitsu Tajima - Japan, Published by **World Scientific Publishing Co Pvt Ltd.**, No.5 Toh Tuck Link, Singapore; USA office: 27 Warren Street, Suite 401-402, Hackensack, NJ 07601, UK office: 57 Shelton Street, Covent Garden, London WC2H 9 HE., ISBN 978-981-3233-80-5, ISBN (e book) : 978-981-3233-81-2 http://www.worldscientific.com/doi/abs/10.1142/9789813233812_0017.
3. M. Lokeshwari, Vikas Mendi, T. Raghavendra, Amaranatha Reddy and B. C. Udayashankar, "Co-Composting of Municipal Solid Waste with Sewage Sludge for Sustainable Waste Management in Urban Areas", at "Urbanization Challenges in Emerging Economies"; *Energy, Water, and Transportation Infrastructure; Planning and Financing* ISBN 978-0-7844-8202-5 (PDF) pp 79-89. **Published by the American Society of Civil Engineers** <https://ascelibrary.org/doi/10.1061/9780784482025.009>
4. Vikas Mendi, N. Amarnatha Reddy, M. Lokeshwari, T. Raghavendra and Jaya Kumar Seelam "What Is the Tidal Energy Potential of Sri Lanka?" at "Urbanization Challenges in Emerging Economies"; *Energy, Water, and Transportation Infrastructure; Planning and Financing* ISBN 978-0-7844-8202-5 (PDF) pp 358-365. **Published by the American Society of Civil Engineers** <https://ascelibrary.org/doi/10.1061/9780784482025.037>
5. N.Amarnatha Reddy, Vikas Mendi, T. Raghavendra and M. Lokeshwari "Flood Estimation Using Probability Distribution Function Based Synthetic Unit Hydrograph Methods at Ungauged Catchments in Varrar Basin, Kerala, India" at "Urbanization Challenges in Emerging Economies"; *Energy, Water, and Transportation Infrastructure; Planning and Financing* ISBN 978-0-7844-8202-5 (PDF) pp 142-153. **Published by the American Society of Civil Engineers.** <https://ascelibrary.org/doi/10.1061/9780784482025.016>.
6. T. Raghavendra, B. C. Udayashankar, M. Lokeshwari, M. Vikas and N. Amaranath Reddy "Effect of Water Content on Relative Flow Area and Hence Predicted Flow Values of Controlled Low Strength Materials" at

“Urbanization Challenges in Emerging Economies”; Resilience and Sustainability of Infrastructure, ISBN 978-0-7844-8203-2 (PDF) pp 184-195. **Published by the American Society of Civil Engineers**
<https://ascelibrary.org/doi/10.1061/9780784482032.020>

7. Lokeshwari M. and C. Nanjunda Swamy “Route Optimization for efficient Collection, Transportation and Sustainable Solid Waste Management in Mysore city using Geographic Information System” at ‘Waste management and resource utilization’. Editorial board: Dr. Sadan K Ghosh, Hermann Koller, Dr. Jonathan Wong et.al., **Published by Oxford publishing house**, Kolkata. e-book ISBN 81-86862-49-8, pp 143-148, January 28-30, 2014. <https://www.academia.edu/8286050>.
8. E.Varun, L. Rajesh, M.Lokeshwari, Sashwini, Devidas Bhat, Chethan Kumar S Machine Learning-Enhanced Water and Air Quality Monitoring Technologies and Applications -- Book Chapter 4. In the book Advanced Interdisciplinary Applications of Deep Learning for Data Science. DOI: 10.4018/979-8-3693-4759-1.ch004 published by IGI Global Scientific publishing. ISBN13: 9798369347591, ISBN13 Softcover: 9798369347607, EISBN13: 9798369347614, January 2025.

R & D Grants & Consultancy Projects

Ongoing & Completed Research Projects

- Mitigation of ground water contamination by Decentralized solidwaste management’ funded by to HUDCO 2016-2019, Role: PI
- Assessment of Residential Apartments for green building compliance”, funded by Karnataka State Pollution Control Board and Environmental Management and Policy research institute. – 2.97 Lakhs, 2022 - 2023. Role: PI
- “Utilization of alumina industrial waste for novel mix design in the development of Controlled Low Strength Materials”, under the Scheme: Research Grants for Scientist / Faculty (RGS/F), funded by Vision Group on Science and Technology, Government Of Karnataka 2021-2022, Role: Co-PI

Ongoing & Completed Consultancy Projects

- “A study of water availability and quality in Chikkaballapur district using data mining techniques and experimental verification to evolve a plan for sustainable quality ground water.” Funded by Department of Panchayat Raj and Rural Development, Government of Karnataka. 2014-2015, Role: PI
- Performance evaluation of existing sewage treatment plant by M/S Uniworth tranquil owners association. 2018
- Proof checking/Vetting of Structural / Hydraulic (Pipe line) Design and Drawing for the project Design, Build. Operate and Transfer of multi village drinking water supply scheme for Kushtagi taluk, for Rural Drinking Water and Sanitation Department, Government of Karnataka 2018.
- Proof checking/Vetting of Structural / Hydraulic (Pipe line) Design and Drawing of 181.45 MLD water treatment plant, Pavagada for the project Design, Build. Operate and Transfer of multi village drinking water supply scheme, for Rural Drinking Water and Sanitation Department, Government of Karnataka. 2019.
- Vetting of Impounding Reservoir – Chikkamadinjala Project for Rural Drinking Water and Sanitation Department, Government of Karnataka. August 2019
- Vetting of Impounding Reservoir – Herur and Hulihyder Project for Rural Drinking Water and Sanitation Department, Government of Karnataka. 2019 RS.37,800

Professional Memberships

- Graduate member of **Institution of Engineers**, India. Member ID G-541352-5
- Life member of **Indian Society for Technical Education** Member ID LM-71668
- Affiliate Member of **American Society of Civil Engineers**, Member ID 11065915
- **Association of Consulting Civil Engineers (India)**, Member ID 6523
- Member of Regional Level Consent Committee, **Karnataka State Pollution Control Board**, South - I and East – II, Bangalore. (From 2009 to 2013)
Ref: KSPCB Circular No. 4412 dated 21.03.2009 and No./KSPCB/RO-S1/CCM/127
KSPCB Circular No. 238 dated 21.03.2009 and No. / KSPCB/Bn-E-II/2009/291
- Executive member ISTE-RVCE Chapter - 2013-2016.
- Member of Board of Studies, Department of Civil Engineering, R.V.College of Engineering, Bengaluru. Autonomous under VTU. 11.09. 2015 - 10.09. 2018
- Member of Board of Examination, Department of Civil Engineering, R.V.College of Engineering, Bengaluru. Autonomous under VTU since 2018.
- Member of Board of Examination, Department of Civil Engineering, University Visveswaraya College of Engineering, Jnanabharati campus Bengaluru Since 2020
- Member of Board of Examination, Department of Civil Engineering, BMS College of Engineering Bengaluru Since 2023.
- Member of “**Future Bangalore**”, committee, constituted by President of Structural Engineers World congress Inc., as Environmental Engineering expert.
- Member of **Staff Selection committee**, Govt. of India.
- Member of “Policy formulation committee” which is presided by Honorable minister for Bengaluru development and town planning to formulate policy for the development of major urban cities in Karnataka.

Awards & Recognitions

1. Certified as Trainer with Grade A for training the qualification pack of Small Hydro Power Plant Technician – under Jal Urja Mitra Programme (SCJ/Q0604)., confirming to national Skill Qualification Framework level 4. Trainer ID - TR264233 awarded by National Skill Development Corporation under the Ministry of Skill Development and Entrepreneurship (MSDE). From February 2025 to February 2027.
2. Best Societal Impact Award at International Award Ceremony on Women’s Day Awards (IWDA-2025) by Knowledge Research Academy- An MSME Registered Organization. March 2025
3. Appreciation for coordination in water conservation drive as nodal officer by Bengaluru Water Supply and Sewerage Board.March 2025.
4. Special prize for overall performance from NSS at Manekshaw Parade Ground on Independence Day Celebration 15/01/2024 by Government of Karnataka.
5. Served as Screening Evaluator (Jury) in Smart India Hackathon 2024 software edition which is a flagship event of Ministry of Education Government of India and AICTE, held during 11th and 12th December 2024.
6. Excellent performer of the year 2023 for academic achievement by honorable President, RSS Trust, Bengaluru
7. Certified as Trainer with Grade A for training the qualification pack of Small Hydro Power Plant Technician under Jal Urja Mitra Programme (SCJ/Q0604), confirming to National Skill Qualification Framework level 4. February 2023 to February 2025.

8. Saarthaka Mahile Award for social service on occasion of international women's day by Smaana Manaska Sevakaru, Ranjani Kala Kendra Bengaluru. 18th Jan 2023.
9. Best Reviewer award for Technical Review for ICCCEG 2021 and IC5e 2021 by ASDF, Association of Scientists, Developers and Faculty. December 2021 and January 2022
10. Successfully organized State Republic day parade training camp at R V College of Engineering during COVID 19 pandemic situation from 15th to 27th January 2022 and got appreciation from State NSS Office and had photo session with Governor, Karnataka. Also served as Organizing committee member in the National and State level Pre-Republic day parade selection camp 2021-22 held at VTU Belagavi from 28th September 2021 to 01st October 2021.
11. Best Reviewer award for Technical Review for ICCCEG 2021 and IC5e 2021 by ASDF Association of Scientists, Developers and Faculty. December 2021 and January 2022
12. Outstanding Indian Achiever Award of the Year 2020, awarded by International Institute for social and economic reforms ® on 29th February 2020 for the contribution in teaching and research for rural and international development.
13. Best paper award at 4th Two Day National Conference (Virtual) on Advances in Civil Engineering (EWIT-NCACE-2020), December 23rd & 24th, 2020, East West Institute of technology in association with Indian concrete Institute, Bengaluru center, Ultratech cement and CADD center.
14. Top 2 in NPTEL course Elite and Gold Medal with 93%, 8 week course on NPTEL conducted by Indian Institute of Technology, Kharagpur, 2019.
15. Academic and Research Excellence by honorable President, RSS Trust, Bengaluru, January 2019
16. Dr. APJ Abdul Kalam National Award on October 27, 2018, for contribution to the implementation of Science and technology in rural areas for women and farmers development by teaching, research and publication awarded by Dr. Shivappa Former economic advisor NITI Aayog, Govt. of India, and Founder President of Government recognized and registered krist foundation.
17. Academic and Research Excellence by honorable President, RSS Trust, Bengaluru, January 2018
18. First prize in Green fest for presentation on the topic Solid waste management. (Headed a batch of interdisciplinary team) conducted by Association of Consulting Civil Engineers in association with RAMCO Cement Ltd., at NIMHANS Convention Centre Bengaluru, September 2017
19. Academic and Research Excellence by honorable President, RSS Trust, Bengaluru, March 2016.
20. Icon SWM 2015 Excellent paper award in the 5th International Conference on Solid waste management, Icon SWM 2015, at Indian Institute of Science Bengaluru.
21. Best paper award at National Conference on Futuristic technology in Civil Engineering for sustainable development" conducted by SJB Institute of Technology, Bengaluru. 9th May 2015.
22. Best Achiever Award by honorable Secretary, Rashtreeya Sikshana Samiti Trust, Bengaluru, January 2015.
23. Icon SWM 2014 Excellence Award in the 4th International Conference on Solid waste management, Icon SWM 2014, Hyderabad. Organised by Govt. of Andhra Pradesh, Department of Municipal Administration and Urban Development, C&DMA, India, Centre For Quality Management System, Jadavpur University, Kolkata and International Society of Waste Management, Air and Water. January 28-30, 2014
24. Young Researcher Award 2013 by ISTE-RVCE Chapter at R.V.College of Engineering, Bangalore.
25. Young Environmentalist Award 2012 awarded by Universiti Malaysia Terengganu, Malaysia.
26. Academic Excellence 2009 awarded by Rastreyas Sikshana Samiti Trust. Bangalore.
27. Academic Excellence 2008 awarded by Indian Society for Technical Education – RVCE Chapter.

28. Best paper awards : 5 (Two in National conference and Three in International conference)

Student Supervision

- **Ph.D. Candidates:** 04
- **M.Tech/M.Sc. Students:** 3
- **Undergraduate Research Mentees:** 12

Professional Roles

- **Chair/Committee Member:**

SESSION CHAIR FOR CONFERENCES:

- International Mini Symposium on Clean, Green and Sustainable Campus 2022 organised by IUCEE Indo Universal Collaboration for Engineering Education.
- National Conference on Advances in civil engineering NCACE- 2018 held during 28th – 29th September 2018. Technical session on Environmental Engineering and waste management on 29/09/2018 at East West Institute of Technology, Bengaluru organized in association with Indian Concrete Institute, Zero Waste Society of India and Ultratech Cement
- International Conference on “ Impact of global atmospheric changes on natural resources” held during 19th – 20th November 2018. Technical session on Ground water 20/11/2018 at Department of Civil Engineering. University Visvesvaraya College of Engineering.
- Fifth International Conference On Recent Advances in Engineering Sciences, ICRAES 2024 organised by Ramaiah Institute of Technology, Bengaluru held on 15th November 2024.

REVIEWER FOR JOURNAL AND CONFERENCE PAPERS:

- Reviewer for Second ASCE India Conference 2020 organised by American Society of Civil Engineers, India Section , on “Challenges of Resilient and Sustainable Infrastructure Development in Emerging Economies (CRSIDE 2020)” at Kolkata during March 02-04, 2020 under the aegis of ASCE.
- Reviewer for the International Journal of Scientific Engineering and Technology from 2012. ISSN 2277-1581.
- Reviewer for International conference on Solid waste management ICoN SWM 2016.
- Member of Reviewer board for Pravara Journal of science and technology. (PJST) Approval No. Feb/2017/11, term 20/02/2017 to 20/2/2018.
- Member of Advisory Committee for the conference on Innovative Ideas in Engineering and Technology (IIET - 2018), held on 12th - 13th April 2018. IIET - 2018 organized by Rao Bahadur Y Mahabaleswarappa Engineering College (RYMEC) and Institute For Engineering Research and Publication (IFERP) at Cantonment Bellary, Karnataka.
- Member of Advisory Committee for International conference on recent advances in civil and mechanical engineering practices, ICRACMEP 2018, which will be held at Vasireddy Venkatadri Institute of Technology (VVIT), Guntur Andhra Pradesh. on 2nd – 3rd November 2018 in association with Institute for Engineering Research and Publication (IFERP).
- Member of Advisory Committee for the conference 5th international conference on applied science engineering and technology ICASET 18, held on 17th 18th May 2018, at Sri Sairam College of Engineering, Anekal
- Member National Advisory Committee and outreach committee by Institute for Engineering Research and Publication (IFERP) for the 4th International conference on Chip, Circuitry, Current, Coding, Combustion and Composites jointly organized by Sri Sairam College of Engineering, Anekal

- Reviewer for IC5e 2021 and ICCCEG 2021 organised by ASDF Association of Scientists Developers and Faculty.
- Reviewer for Waste Management Bulletin under Elsevier.
- Reviewer for Indian Chemical Engineer, which is part of the Taylor & Francis Q3 journal.
- Reviewer for 4th International Conference on Advanced Technologies for Industrial Pollution Control ' (ATIPC-2024) to select them for publication in the Proceedings book by SPRINGER Nature, Switzerland Proceedings of Earth and Environmental Sciences (SPPEs)

Teaching

Core Courses: [Current semester]

- CV362IA Water and Wastewater Engineering
- 21CV65E2 Solidwaste Management
- HS247LA Ability Enhancement Course NSS

Advanced/Lab Courses:

- Environmental Engineering Lab
- CV362IA Water and Wastewater Engineering

Professional Roles:

Core Committee member of Experiential learning for first year BE both physics and chemistry cycle.

Mentor and evaluator for SDG 6 and SDG 9 for Experiential learning for third year BE

Responsibilities

- **Academic:** SDC Coordinator, Major and Minor project Guide, Extensive survey Integrated Environmental Engineering Project incharge. Lab incharge, BoE member, Counsellor.
- **Administrative:** NSS Officer, Alumni Coordinator, VTU-LIC Coordinator, Research Advisory committee member, faculty coordinator for overall management of student Induction Program (SIP).

External Connect

- Expert committee member of VTU PhD candidate selection for the faculty of civil engineering sciences and architecture conducted pre registration interviews for VTU ETR exempted and VTU ETR Qualified candidates
- Member of Board of Studies, Department of Civil Engineering, R.V.College of Engineering, Bengaluru. Autonomous under VTU. 11.09. 2015 - 10.09. 2018
- Member of Board of Examination, Department of Civil Engineering, BMS .College of Engineering, Bengaluru. Autonomous under VTU since 2023.
- Member of Board of Examination, Department of Civil Engineering, University Visveswaraya College of Engineering, Jnanabharati campus Bengaluru Since 2020