

Name of the Faculty with Educational Qualification: **Dr. R.Ganesan, M.E, Ph.D**  
 Designation and Department: Professor & Head, Department of Civil Engineering  
 Velammal College of Engineering and Technology, Madurai  
 e-Mail Id: rg@vcet.ac.in  
 Blog Address: NA

**Educational Qualification:**

Qualification	Institution	Year	Percentage/ CGPA
Ph.D	CEG, Anna University, Chennai	March 2013	Highly Commended
M.E. (Environmental Engineering)	CEG, Anna University, Chennai	Jan. 2002	8.404
B.E (Civil Engineering)	Madurai Kamaraj University	Apr. 1996	81.50

**Experience in Years: Teaching experience – 28 years**

**Employment History:**

Sl.No.	Designation	Institution	Duration		Experience (in years)
			From	To	
1	Professor & Head	Velammal College of Engineering and Technology	12-06-2024	Till date	-
2	Professor & Head	Saveetha School of Engineering, Saveetha University	20-09- 2020	31-05- 2024	04
3	Professor & Head	Velammal Engineering College, Chennai.	01-06-2002	20-03- 2020	19
4	Lecturer	Mohamed Sathak Engineering College, Kilakarai.	01-06-1996	31-05-2002	6

**Interested Research Areas:**Advanced oxidation Technology, Wastewater Engineering, Fenton Process , Waste to Energy, Solidwaste management.

**Awards received:**

- Received the Most Committed Faculty award for the year 2007-2008 from Velammal Engineering College, Chennai-66.
- Received Best Paper Award in the International Conference on ACECIM-14 from SRM University Chennai.
- Received Best Paper Award in the International Conference on ICSTBE- 2015 Conducted by Sathyabama University, Chennai, during July 15th -17th 2015.
- Received Best Paper Award in the International Conference on ACESE- 2016 Conducted by SRM University, Chennai, during July 30<sup>th</sup> March -1<sup>st</sup> April 2016.

**Reviewer in National / International Journals:**

1. Reviewer in CLEAN - Soil, Air, Water (A Journal of Sustainability and Environmental Safety)
2. African Journal of Environmental studies
3. International Journal of Environmental Sciences
4. Elsevier journals.

**Other Responsibilities:**

1. Acting as Member of Board of Study, Department of Civil Engineering Anna University.
2. Acting as Chairman of Civil Engineering Board in Anna University Central Valuations.
3. Acted as Member of the Result Passing Board Meeting for B.E./B.Tech. Degree Examinations in Anna University.
4. Acted as Member for the Curriculum Revision for Civil Engg and Civil Environmental Engineering. for DOTE, Tamil Nadu.
5. Acting as the Chairman of question papers Setting Board for the Department of Civil Engineering in Veltech R&D Institute of Science and Technology, Chennai.
6. Acted as key note speaker in International and National Conferences.
7. Acting as Member of Scrutinizing board for examining the question papers of the Board of Civil Engineering in Veltech R&D Institute of Science and Technology, Chennai.
7. Acted as jury member for various events.
8. Examiner and Question Paper Setters (UG&PG) for the various reputed Institutions.
9. NAAC coordinator
10. Design, Construction, Installation and Operation Maintenance of Water and Sewage Treatment Plants (STP) of Saveetha University
11. Acting as Member of Board of Study, Department of Civil Engineering Panimalar Engineering College, Chennai.
12. Acted as interview Subject Expert Panel Member for the Post of Manager (civil) Food Corporation of India, Zonal Office (South), Chennai.

**Publications Details:**

### International Journal Publication Details:

1. **Ganesan, R.** and Thanasekaran, K. “Decolourisation of Textile Dyeing Wastewater by Modified Solar photo-Fenton Oxidation Processes”, International Journal of Environmental Sciences, Vol. 1, No.6, pp.1168-1175, 2011.
2. **Ganesan, R.** and Thanasekaran, K. “Adsorption characteristics of steel scrap used as heterogeneous catalyst in Fenton process in textile dyeing wastewater treatment”, International Journal of Engineering and Technology. Vol.2, No.5, pp.708-716, 2012.
3. **Ganesan, R.** and Thanasekaran, K. “Degradation of Textile Dyeing Wastewater by Modified Solar photo-Fenton Oxidation Processes”, CLEAN- Soil, Air, Water. Vol.41, No.3, pp.267-274, 2012.(Science –citation Indexed)
4. **R.Ganesan** ,K.Thanasekaran, A.Latha, “ Treatment of Textile dyeing Wastewater by Modified UV photo-Fenton process using a new catalyst/H<sub>2</sub>O<sub>2</sub>’ International Journal of Emerging Technology and Advanced Engineering (ISSN 2250- 2459) Vol 4, No 4, pp.108-113 2014.
5. **R.Ganesan** A.Latha Dr.P.Partheeban Treatment of Textile Wastewater by Electrochemical Method, Inventi Rapid: Water & Environment”(ISSN 2229-7766) Vol.4.No.4 pp.1-4, 2015,
6. **R.Ganesan**, A.Latha, P.Partheeban “Treatment of textile wastewater by Fenton and Electro Fenton process” International Journal of Applied Engineering Research, vol 10, No 33,pp 24235-24242,(2015). ISSN 0973-4562.
7. **R.Ganesan** “Treatment of water by using Water Softening Techniques for Iron Removal” International Journal of Emerging Trends in Science and Engineering Technology (ISSN 2348- 9480) Vol 3, No 3, pp.250-254 March 2016.
8. **R.Ganesan**, A.Latha, P.Partheeban “Treatment of Textile dyeing wastewater by Modified combined solar photo-Fenton and Sequential Batch Reactor” Wulfenia journal,vol 24,No 3,pp 171-181.(2017).ISSN: 1561-882X.
9. **R.Ganesan**, A.Latha, P.Partheeban “Treatment of textile wastewater by Electro chemical Method” International Journal of Earth Sciences & Engineering. Vol.10, No 01,February (2017) ISSN 0974-5904,
10. A.Latha, P.Partheeban,**R.Ganesan**, “Degradation Of Reactive Dyes In Textile Wastewater By Fenton And Electro Fenton Processes”,(Accepted for publication in IEEE Explore Journal)
11. A.Latha,P.Partheeban,**R.Ganesan**, “Degradation Of Reactive Dyes In Textile Dyeing Effluent By Fenton and Electro Fenton Processes”,International Journal of Ecology, Environment and Conservation 2018(4) Issue)
12. **Ganesan, R.** Saideepesh MR Rinosh Ahamed R Ajay Prawin SK and Kishore Kannan.V. “Eco-friendly offshore concreting”, International Journal of advanced Research in Basic Engineering Sciences and Technology. Vol.6, No.4, April 2020, ISSN 2456-5717(Scopus Indexed)

13. R Ganesan, B Ramesh and Charan Teja “**Awareness of Reuse Reduce Recycle and Dispose of E-Waste in Chennai**” Journal of Physics” DOI 10.1088/1742-6596/1964/7/072006 (**Scopus Indexed**)
14. R Ganesan and S Tamil Selvan “**Experimental Investigation on Geo Polymer Concrete Cubes with Ambient and Sunlight Curing**” Journal of Physics” DOI 10.1088/1742-6596/1964/7/072001 (**Scopus Indexed**)
15. **R Ganesan and V Venkatesan** “**A General Study of Light Gauge Steel Building – Case Study**” Journal of Physics: Conference Series 1964 (2021) 072004 DOI 10.1088/1742-6596/1964/7/072004 (**Scopus Indexed**)
16. R. Ganesan and E. Pavithra Krishnan, “Comparative Studies on Colour and COD Removal of Reactive Dyes by a Novel Steel Scrap as a Catalyst with Conventional Fenton Process”*Revista Gestão Inovação e Tecnologias* 11(4):1264-1276 DOI:[10.47059/revistageintec.v11i4.2185](https://doi.org/10.47059/revistageintec.v11i4.2185).
17. **R.Ganesan A.Latha** and “Comparative Study of Organic Coagulants in Water Treatment” *ECS Journal of Solid State Science and Technology* Vol.107, No.1, May 2022, ISSN 2456-5717(**Scopus Indexed**)
18. **R.Ganesan A.Latha** and “Analysis of Noise Pollution for an Educational Institution” *ECS Journal of Solid State Science and Technology* Vol.107, No.1, May 2022, ISSN 2456-5717(**Scopus Indexed**)
19. **R.Ganesan** “Artificial Intelligence Investigation on (Al-Si-Fe) Alloy Reinforced with Nanoceramic Particles by RSM” in the Journal of Nanomaterials with an impact factor of 3.791 Published on 6<sup>th</sup> October 2022 Hindawi: Journal of Nanomaterials: Volume 2022, Article ID 2892738
20. R.Ganesan “Comparative Study of Compressive Strength of Novel Steel Fiber Reinforced Geopolymer Concrete and Conventional Concrete”*Materials Today Proceedings* Published on 22nd December 2022. IF 1.46 (**Scopus Indexed**)
21. Latha, A., Ganesan, R., Karthick, L., & Vadivukarasi, L. (2023). Experimental Investigation on Treatment of Textile dyeing effluent by Novel Electro-Fenton process integrated with Laboratory-scale Anaerobic Sequencing Batch Reactor. *Biomass Conversion and Biorefinery*, <https://doi.org/10.1007/s13399-023-04524-y>.(**SCI &Scopus Indexed**)
22. Latha, A., Ganesan, R., Sai Bharadwaj, A. V. S. L., & Barmavatu, P. (2023). An experimental investigation of textile dyeing wastewater using modified electro Fenton process with optimization by response surface methodology. *Environmental Quality Management*.<https://doi.org/10.1002/tqem.22135>. .(**SCI &Scopus Indexed**)
23. A. Latha, R. Ganesan , V. Govindaraj , P. Baraneedharan, (2023) Removal of toxic heavy metal ion from tannery effluent by using *Fusarium subglutinans* and *Hylocereus undatus*, *Desalination and Water Treatment*. Volume 312, Pages 70 – 78. doi: 10.5004/dwt.2023.29952 .(**SCI &Scopus Indexed**)
24. Sivakumar, R., Ganesan, R., Latha, A., Moolchandani, K., Sharma, A. K., Mishra, S. R. K., ... & Ayele, L. (2023). Experimental Analysis on the Feasibility of Bamboo

Reinforcement in Concrete Mix Design and Comparison with Steel Reinforced Concrete. *Advances in Materials Science and Engineering*, 2023. Volume 2023, Article ID 6931291, 11 pages <https://doi.org/10.1155/2023/6931291>.(Scopus Indexed)

25. Bhat, S. S., Gummadi, A. K., Latha, A., Ganesan, R., Jehad, M. H., Almashhadani, H. A., & Nayak, B. B. (2023) Electric Discharge Machining of AA7075/SICP/B4CP Hybrid Composites Machined with AL<sub>2</sub>O<sub>3</sub> Mixed used Engine Oil Dielectric Fluid. *Current Materials Science*.10.2174/2666145416666230504155532.(Scopus Indexed)
26. D. Anjan Kumar Reddy G.Rajesh,G. Anbuezhayan, A. Ponshanmugakumar,R. Ganesan , A. Latha ,M. Satyanarayana Gupta, ,(2023)Investigating the mechanical properties of titanium dioxide reinforced magnesium composites, *Materials Today: Proceedings*.<https://doi.org/10.1016/j.matpr.2023.05.628>.(Scopus Indexed)
27. Jagath Narayana Kamineni , G. Anbuezhayan J. Anichai, Ravish Sharma,R. Ganesan A. Latha, B. Nagaraj Gou ,(2023)Investigation of the microstructure and mechanical properties of borosilicate reinforced magnesium nano composites. *Materials Today: Proceedings*.<https://doi.org/10.1016/j.matpr.2023.05.193>.(Scopus Indexed)
28. Ganesan, R., Latha, A., & Thanasekaran, K. (2014). Treatment of textile dyeing wastewater by modified UV photo-fenton process using a new composite steel scrap/H<sub>2</sub>O<sub>2</sub>. *Int J Emerg Technol Adv Eng*, 4, 108-113.
29. R. Ganesan , E. Pavithra Krishnan ,Comparative studies on COD removal of tannery wastewater by novel steel scrap as a catalyst with conventional Fenton process AIP Conf. Proc. 2822, 020033 (2023) <https://doi.org/10.1063/5.0173265>(Scopus Indexed)
30. R. Ganesan , E. Pavithra Krishnan Comparative Studies on Colour and Cod Removal of TextileWastewater by a Novel Steel Scrap Catalyst with Conventional Fenton Process *AIP Conf. Proc.* 2822, 020108 (2023)<https://doi.org/10.1063/5.0173244>(Scopus Indexed)

### **Paper Presentation in International Conferences:**

1. **R.Ganesan**, K.Thanasekaran, A.Latha,” Treatment of Textile Dyeing Wastewater by Advanced Oxidation Processes-A Review” International Conference on Environment2008,15<sup>th</sup> -17<sup>th</sup> December2008, University Sains Malaysia(USM), Penang,Malaysia.
2. **R.Ganesan**, K.Thanasekaran, A.Latha” Treatment of Textile Dyeing Wastewater by Advanced Oxidation Processes-A Review” International Conference onEmerging Trends in Energy and Environment”7<sup>th</sup>and 8<sup>th</sup> January2010, Sri Sairam Engineering College,Chennai, India.
3. **R.Ganesan** , K.Thanasekaran, A.Latha ,“Decolourisation of TextileDyeing Wastewater by Modified Solar photo-Fenton Oxidation” International Conference on Emerging Technologies in Renewable Energy,18<sup>th</sup> -21<sup>st</sup> August 2010, College of Engineering Guindy ,Anna university Chennai, India.

4. **R.Ganesan** , K.Thanasekaran, A.Latha, “ Treatment of Textile dyeing Wastewater by Modified UV photo-Fenton process using a new catalyst/H<sub>2</sub>O<sub>2</sub>” International Conference on Advances in Civil Engineering and Chemistry of Innovative Materials-ACECIM14, 13<sup>th</sup> and 14<sup>th</sup> March 2014, SRM University, Ramapuram, Chennai, India. **(Received Best Paper Award)**
5. **R.Ganesan**, K.Thanasekaran, A.Latha, “Sequential Modified Solar Photo-Fenton - Biological System For The Treatment Of Textile Dyeing Wastewaters” International Conference on Emerging Environmental & Advanced Oxidation Technologies for Energy, Environment and Sustainability (EEAOTEES-2014) 29 - 30, September 2014, College of Engineering Guindy, Anna University, Chennai, India.
6. **R.Ganesan**, A.Latha, P.Partheeban “Treatment of Textile dyeing wastewater by Modified Solar photo-Fenton and Sequential Batch Reactor” International Conference on Sustainable Technologies in Building and Environment(ICSTBE-2015) Organized by Sathyabama University on July 15<sup>th</sup> - 17<sup>th</sup> , pp 90,(2015).**(Received Best Paper Award)**
7. **R.Ganesan**, A.Latha, “ Treatment of Textile dyeing Wastewater by Modified UV photo-Fenton process using a new catalyst/H<sub>2</sub>O<sub>2</sub>” International Conference on Advances in Civil Engineering and Sustainable Construction-(ACSC’16), 30<sup>th</sup> – 1<sup>st</sup> April 2016, SRM University, Ramapuram, Chennai, India. **(Received Best Paper Award)**
8. **A.Latha**,P.Partheeban,R.Ganesan “Decolourisation of textile wastewater by combined Anaerobic and Aerobic process-A Review”. International conference on smart technologies and Green Environment (ICSTGE-2017), Organized by Velammal Engineering College, March 24<sup>th</sup>, pp 30, (2017).
9. **R.Ganesan**, A.Latha, P.Partheeban “Paper and Pulp Industry Manufacturing and Treatment processes- A Review” International Conference on Phoenixes on Emerging Current Trends in Engineering and Management(PECTEAM2K18) Organized by Panimalar Engineering College on February 9<sup>th</sup> – 10<sup>th</sup> 2018.
10. **R.Ganesan**, M.R.Saideepesh. R. Rinosh Ahamed “Ecofriendly offshore Concreting” International Conference on contemporary Engineering and Technology 2020, Organized by Prince Shri Venkaterwara Padvamathy Engineering College and Dr.K.Vasudevan College of Engineering and Technology on March y 14<sup>th</sup> & 15<sup>th</sup> 2020
11. **R. Ganesan** “Investigation of Mango wood powder and Aghil tree resin reinforced with Blended Epoxy bio composite” International Conference on Innovation, Sustainability, and Applied Sciences (ICISAS 2023) 9<sup>th</sup> and 10<sup>th</sup> December 2023

12. **R. Ganesan** “Static and Dynamic Mechanical Analysis of Prunus dulcis shell powder with basalt Aghil Epoxy Hybrid bio composite” International Conference on Innovation, Sustainability, and Applied Sciences (ICISAS 2023) 9<sup>th</sup> and 10<sup>th</sup> December 2023.
13. **R. Ganesan** “Investigation of Mango wood powder and Aghil tree resin reinforced with Blended Epoxy bio composite” International Conference on Advances in Additive Manufacturing Technologies (ICAAMT2023) 27<sup>th</sup> to 29<sup>th</sup> November 2023.
14. **R. Ganesan** “Static and Dynamic Mechanical Analysis of Prunus Dulcis Shell Powder with Basalt Aghil Epoxy Hybrid Matrix Bio composite” International Conference on Advances in Additive Manufacturing Technologies (ICAAMT2023) 27<sup>th</sup> to 29<sup>th</sup> November 2023.
15. **R. Ganesan** “Comparative Study on Compressive Strength of M25 Grade Concrete Using Novel Waste Methyl butadiene rubber in Comparison with Conventional Concrete” ” International Conference on Phoenixes on Emerging Current Trends in Engineering and Management (PECTEAM2K24) Organized by Panimalar Engineering College on March 22<sup>nd</sup> – 23<sup>rd</sup> 2024

### **Paper Presentation in National Conference:**

1. **R. Ganesan** “Assessment of Ground water Quality around municipal solid waste dump at Perungudi, Chennai,” National conference on development of water science & management, March 2004, Vellore Institute of Technology, Vellore.
2. **R. Ganesan** “Waste Minimizations and Case Studies National conference on Safety”, environment and Energy Management, June 2004, National Institute of Technology, Trichy.
3. **R. Ganesan** “Global Emissions due to urban transport and potential for their reduction” National conference on Advances in road Transportation, Feb 2005, National Institute of Technology, Rourkela.
4. **R. Ganesan** “Remote sensing applications to Marine Environment “, National conference on Applications of GIS and GPS in Civil Engg. July 2005, Jeya Engg. College, Chennai.
5. **R. Ganesan** “Waste Minimization Technique for oil refinery industry Environment and pollution awareness”, One day Workshop on Environmental Engineering”, June 2004, Velammal Engg College, Chennai.

6. **R.Ganesan**, A.Latha Noise pollution Modeling & Management plan for Educational Institutions”, National conference on GIS ,GPS & RS Applications in transportation Planning and management, November 2006, St. Peters Engg .college Chennai.
7. **R.Ganesan**, A.Latha Environmental management of Hazardous waste in India , National conference on Current Challenges in Civil Engineering, May2009, Velammal Engg College,Chennai.
8. **R.Ganesan**, K.Reyageorge “Role of Water Hyacinth in Zerowaste generation and Power Generation-A Study”, National conference on Role of Software in civil Engineering (**RASCE-2015**) April 2010, Velammal Engg College, Chennai.
9. **R.Ganesan**, K.Thanasekaran, A.Latha, “An overview of advanced developments in Textile dyeing Techniques”, National conference on Role of Software in civil Engineering (**ROSICE-2011**) April2011, Velammal Engg College,Chennai.
10. **R.Ganesan**, M.Ramanathan, “Water Purification Using Strychnos potatorum seed”, National conference on Environmental Management and green technologies February 2013, St. Peters College of Engg.and Technology, Chennai.
11. **R.Ganesan**, A.Latha, “ Effect on underground water due to dumping of municipal solid waste in Ramanathapuram”, National conference on Environmental Management and green technologies, February 2013, St. Peters College of Engg.and Technology, Chennai.
12. **R.Ganesan**, Diva Catherine, S.Sowmya, Sudharsana, “Study of fly ash using Recycled coarse aggregate”, Proceedings of National Seminar on Effective utilization of industrial wastes, August 2013, St. Peters University, Chennai-54.
13. **R.Ganesan**, E.Karthika, M.Deepthi, “Replacement of Fine aggregate with ceramic waste in Cement concrete-A Performance study,” Proceedings of National Seminar on Effective utilization of industrial wastes, August 2013, St. Peters University, Chennai-54.
14. **R.Ganesan**, “Replacement of sand by industrial waste and agriculture wastes-A Review” Proceedings of National Seminar on EECON 14, March2014, A.C.Tech Campus, CEG, Anna University, Chennai-25.
15. **R.Ganesan**, A.Latha, “Management Of Electronic Waste In India And Utilisation Of Waste In Construction Industry- A Growing Concern In Today’s Environment”, National conference on Environmental Management and green technologies, 6th and 7th November 2014, St. Peters College of Engg.and Technology, Chennai.
16. **Dr. R.Ganesan** “Pollution Prevention and Treatment using Nanotechnology” National Conference on Applications of Nanotechnology, 18 –19 February 2016, St. Peters College of Engg.and Technology, Chennai.



17. **Dr.R.Ganesan**, “Engineering & Ecological evaluation of Green Building” Recent Innovations in Civil Engineering(RICE18) 24th March 2018, Velammal Engineering College, Chennai.

18. **Dr.R.Ganesan**, A.Latha “Efficiency of moringaolifera in electro coagulation process to the treatment of car wash waste water” Recent Innovations in Civil Engineering(RICE18) 24th March 2018, Velammal Engineering College, Chennai

**Funded Research Projects:**

- National Seminar on “**Energy and Environment for Sustainable Development**” Sponsored by All India Council for Technical Education (AICTE)-New Delhi. During April 2&3 2007.Amount Sponsored Rs1,00,000 .
- Staff Development Programme on “**Application of Geomatics in Digital Cartography**” Sponsored by All India Council for Technical Education (AICTE)-New Delhi. During November 16<sup>th</sup> -25<sup>th</sup> 2009.Amount Sponsored Rs2,00,000 .
- International Conference on “**Smart Technologies and Green Environment ( ICSTaGE – 2017 )**” Sponsored by All India Council for Technical Education (AICTE)and DST –New Delhi. During March 24<sup>th</sup> 2017.Amount Sponsored Rs7,00,000 .
- **Patent rights received: Patent Publication:** Published the patent in the topic of Hybrid metal wood composite for civil application on 7-1-22 Application No:202141061114A Publication date: 7-1-22.