

Dr.G.SELVABHARATHI, M.E.,Ph.D

Associate Professor

Department of Civil Engineering

SSM Institute of Engineering and Technology, Dindigul - 624002.

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- https://scholar.google.co.in/citations?hl=en&user=aVGdwLkAAAAJ&view_op=list_works&authuser=2&ortby=pubdate
- <https://www.webofscience.com/wos/author/record/HDL-4491-2022>
- <https://www.scopus.com/authid/detail.uri?authorId=57188927084>
- <https://orcid.org/0000-0002-1129-4994>
- <https://vidwan.inflibnet.ac.in/profile/316698>

Curriculum Vitae:

Dr. G.Selvabharathi received his Bachelor of Engineering in Chemical Engineering from Adhiyamman Engineering College, Dindigul in 2003. She holds M.E. degree in Environmental Engineering from College of Engineering, Guindy Campus and Chennai. She received his Ph.D. degree from Environmental Engineering, Department of Civil Engineering, Anna University and Chennai in 2020. She started his academic career at Bharath University, Chennai in 2008 where she served as a Lecturer, Assistant Professor. Her research interests include Water treatment for domestic and industrial use, Domestic and Industrial Wastewater Treatment, Biodegradation of Industrial Wastewater, Biochemical processes in wastewater treatment, Anaerobic Wastewater Treatment, Removal of Heavy Metals from Wastewater, Heavy Metal Removal and Recovery, Solid waste management, Analysis of solid wastes, Sludge treatment by physicochemical and biological process, Monitoring and management of surface water quality, Environmental Impact and Risk Assessment and Management. His teaching interests include: Environmental Engineering, Physicochemical process for water and wastewater Treatment, Biological process design for wastewater treatment. She has guided 02 M.Tech. graduate students to completion. She is a member of the Indian society of Technical Education, Institution of Engineers, and Institution of Public health Engineers, Indian Water Works Association, and Indian Water Resources Society. She also serves as the reviewer for a number of journals, including, Water Science and Technology, Desalination and Water Treatment, Int. J. of Environmental Technology and Management, Dr.G.Selvabharathi is the author or co-author of over thirty sever technical papers published in refereed journals and Twenty seven papers in conference proceedings. She has made a number of original contributions to the state-of-the-art in both academic research and engineering practice through the development of novel water treatment Technologies, as well as the treatment of wastewater.

Performa for CV of G.SELVABHARATHI

1. Name : G.SELVABHARATHI
2. Designation : Associate Professor
3. Office Address : Department of Civil Engineering, SSM Institute of Engineering and Technology, Dindigul – 624002.
4. Telephone : +91-9962441301
5. Mail id (Primary) : selthi2003@gmail.com
6. Field(s) of Specialization : Environmental Engineering

7. Academic Identity

- Scopus Author ID : 57188927084
- ORCHID ID : 0000-0002-1129-4994
- Web of Science ID : HDL-4491-2022
- Google Scholar Id : aVGdwLkAAAAJ

8. Employment Profile

Job Title	Employer Detail	From	To
Associate Professor	SSM Institute of Engineering and Technology, Dindigul.	12.08.2018	Till Date
Assistant Professor	SSM Institute of Engineering and Technology, Dindigul.	15.06.2015	11.08.2018
Assistant Professor	V S B Engineering College, Karur.	02.06.2014	31.05.2015
Assistant Professor	Tagore Institute of Engineering and Technology, Salem.	02.05.2011	30.05.2014
Assistant Professor	Bharath University, Chennai.	04-02-2010	30-04-2011
Lecturer	Bharath University, Chennai.	16.07.2008	28.08.2009
Environmental Analyst	Cognizant Technology Solutions, Chennai.	31.08.2009	04.02.2010
Postgraduate Fellow	CECRI (Central Electro Chemical Research Institute), Karaikudi.	06-07-2005	31-12-2005
Project In charge	Martina Project Services (P) Ltd, Coimbatore.	02.06.2003	31.05.2005

09. Academic Qualification (From Highest Degree to High School)

Examination/ Degree	Institutions	Board/University	Year of passing	Grade	Subjects
Ph.D	Anna University	Anna University	2020	9.71	Environmental Engineering
M.E	College of Engineering, Gunidy Campus	Anna University	2008	8.71	Environmental Engineering
B.Tech	Adhiyamaan College of Engineering	Anna University	2003	78%	Chemical Engineering
HSC	Government Girls Hr Sec School	Tamil Nadu State Board	1999	92%	Maths, Physics, Chemistry, Biology
SSLC	Government Girls Hr Sec School	Tamil Nadu State Board	1996	82%	Maths, Science, Social Science

10. Academic/Administrative Responsibilities within the University

Position	Department / Centre / Institution	From	To
HOD In-charge	Department	03.05.2021	Till Date
Grievance redressal and POSH Cell Coordinator	Institution	12.08.2020	Till Date
Jal Shakti Coordinator	Institution	24.09.2019	Till Date
Unnat Bharat Abhiyan Coordinator	Institution	24.09.2019	Till Date
Alumni Coordinator	Institution	24.11.2019	Till Date
Virtual Lab Coordinator	Institution	05.06.2023	Till Date
AICTE & AU Affiliation Work	Department	03.05.2016	Till Date
NBA, NAAC Coordinator	Department	08.06.2048	Till Date
IPR Activity Coordinator	Institution	11.09.2023	Till Date
Warden	Institution	29.09.2023	Till Date
Research Coordinator	Department	06.06.2016	18.09.2020
Student Internship and Industrial Training Coordinator	Department	06.06.2016	18.09.2020
Assistant Head of the Department	Department	05.07.2014	20.04.2015

ISO Coordinator	Department	05.07.2014	20.04.2015
Examination cell Coordinator	Department	05.07.2014	20.04.2015
Establishment of Environmental Engineering Lab	Department	05.12.2013	20.04.2014

11. Awards, Associateships etc.

Year of Award	Name of the Award	Awarding Organization
2019	Innovative Project	Texas Instruments, Bengaluru
2022	Research Excellence Award	Institute of Researchers - InRes
2023	Research Imitative Award	SSMIET
2023	AU recognized supervisor	4110021, Anna University - Chennai 25.

12. Details of Academic Work

(i) Curriculum Development:

- ❖ B.Tech. / Civil Engineering
- ❖ M.Tech. / Environmental Engineering

(ii) Courses taught at Postgraduate and Undergraduate levels

1) Post graduate Levels

- ❖ Environmental Engineering-II
- ❖ Solid and hazardous waste management
- ❖ Physico chemical treatment for water and wastewater
- ❖ Biological process design for wastewater treatment
- ❖ Environmental Impact Assessment

2) Undergraduate levels

- ✓ Construction materials
- ✓ Environmental Engineering - I and II
- ✓ Models for Air and Water Quality
- ✓ Solid Waste Management Techniques
- ✓ Environmental Impact Assessment
- ✓ Basic Civil and Mechanical Engineering
- ✓ Municipal Solid waste Management
- ✓ Construction Techniques, Equipment & practices
- ✓ Water Resources and Irrigation Engineering
- ✓ Engineering Mechanics
- ✓ Environmental Engineering Laboratory
- ✓ Engineering Graphics
- ✓ Computer Aided Engineering Graphics
- ✓ 10. Design and Drawing (Public Health)

13. Sponsored Research and Development Projects:

Sponsored Research Projects:

S. No	Title	Sponsoring Agency and Officer Concerned	Period	Amount	Status (Completed / Ongoing)
1.	IoT- Based Vehicle Routing for Municipal Solid Waste Management	Science and Engineering Research Board (SERB - SUPURA)	3 Years	Rs. 44,07,500	Provisionally Accepted
2.	Collection routing for municipal solid waste management by IoTs	Student Project Scheme (TNSCST)	6 Months	Rs. 7,500/-	Submitted
3.	Application of Artificial Intelligence to sustainable Treatment of tannery wastewater and reuse system by sequential two filtering process	SEED-DST	3 Years	Rs. 23,52,000/-	Submitted
4.	Solar power based automatic machines for millets grain processing	CM Research Grant	3 Years	Rs.39, 95,000 /-	Submitted
5.	Energy efficient value added Barnyard Millet machines for making low glycemic index foods for Diabetes Mellitus Patients	Science and Technology Project Scheme (TNSCST)	2 Years	Rs. 4, 42,000/-	Submitted
6.	Empowerment through Skilling in Bar Bending and Tile Laying	Scheduled Caste Sub Plan (SCSP) and Tribal Sub Plan (TSP) Scheme	2 Years	Rs. 11,00,000/-	Submitted

14. Participation in Conferences:

S. No	Date	Title of Event	Local of Event (National/ International)	Title of the paper	Event Organized & Venue
1.	05.05.2023 & 06.05.2023	International Conference sustainable restoration techniques (SRT) - ICSRT'23	International	Electrochemical peroxidation process in the treatment of wastewater from dairy industry for reuse	Muthian Auditorium, CES, CEG, Anna University, India.
2.	24.03.2023 to 25.03.2023	"National Conference and exhibition on rural innovations(NCERI-23)"	National	Coagulation-Flocculation sequential with solar photocatalytic processes using CCRD for dairy wastewater treatment	SSM Institute of Engineering and Technology , Dindigul
3.	03.06.2022 & 04.06.2022	National Conference on "Emerging Trends In Chemical & Petrochemical Technology" NETCPT 2022	National	Experimental investigation on coagulation coupled with solar photo catalytic process to treat dairy wastewater	University College of Engineering, BIT CAMPUS,. Trichy
4.	16th - 17th, December 2021	3 rd International Conference On Sustainable Environment, Energy & Construction (ICSEEC-2021)	International	An Ultrasonic - Acoustic Cavitation Approach For Bio-Oil Extraction And Biodiesel Production From Bauhinia Variegata Seeds	Department of Civil Engineering at Hindustan Institute of Technology & Science, Chennai

5.	16th – 17th, December 2021	3 rd International Conference On Sustainable Environment, Energy & Construction (ICSEEC-2021)	International	Synthesis of photocatalytic performances of zinc oxide (ZNO) -nanostructured titanium dioxide with copper (ii) oxide (CuO +TiO ₂) nano composites for H ₂ production from dairy wastewater	Department of Civil Engineering at Hindustan Institute of Technology & Science, Chennai
6.	22.11.2021 to 25.11.2021	IC-SEWEN'21 (International Conference on Sustainable Energy-Water-Environment Nexus in Desert Climate 2021)"	International	Experimental investigation on coagulation coupled with solar photo catalytic process to treatment of dairy wastewater	Qatar Environment and Energy Research Institute (QEERI)
7.	December 22-23, 2021	International Conference on Renewable Energy, Sustainable Environmental and Agricultural Technologies (i-RESEAT 2021)	International	Coagulation-flocculation sequential with Solar photo-Fenton processes for the dairy wastewater treatment	Maejo University, Chiang Mai, Thailand
8.	11.05.2020 to 12.05.2020	National Web Conference on "Recent Sustainable Development in Environmental Engineering	National	Treatment of tannery wastewater by natural adsorbents	Department of Civil Engineering, SONA College of Engineering, Salem
9.	12.03.2019 to 14.03.2019	International Conference on Innovative Engineering Initiatives (ICIEI - 2019)	International	Study of stabilization of red soil by using RECRO-3S, Fly ash and lime	SRM TRP Engineering College, Trichy
10.	12.03.2019 to 14.03.2019	International Conference on Innovative Engineering Initiatives (ICIEI - 2019)	International	Experimental Investigation on Replacement of Plastic in Building Blocks	SRM TRP Engineering College, Trichy
11.	09.11.2019 to 11.11.2019	International Conference on "Multifunctional and Hybrid Composite Materials for Energy and Environment and Medical Applications (ICMHCEE -2019)"	International	Electrochemical Peroxidation Process in the treatment of wastewater from tannery industry for reuse	Department of Chemical Engineering at National Institute of Technology, Trichy
12.	February 22-23, 2018	International Conference On Energy, Environment And Industrial Safety (ICEEIS) - SALVATIO'18	International	Integrated Solid Waste Management - A Case Study on Dindigul, Tamil Nadu, India	Department of Applied Science and Technology, AC Tech, Anna University, Chennai
13.	22.03.2018 to 23.03.2018	National Conference on "Sustainable Technologies for Intelligent Water and Environmental Management (STIWEM-2018)"	National	Treatment of tannery wastewater electro -Fenton process	Department of Civil Engineering, Annamalai University, Annamalai Nagar
14.	March, 12-13th, 2018	Proceedings of International conference on Recent innovations and Technological development in Civil Engineering	International	Assessment of municipal solid waste management of dindigul city using Geospatial tools	Centre for Rural Technology, The Gandhigram Rural Institute. Dindigul, Tamilnadu
15.	31.08.2018	9th National Conference on "Recent Trends in Chemical, Energy and	National	Treatment of tannery wastewater electrochemical process	Department of Chemical Engineering, SSN

		Environmental Engineering (CEEE-2018)"			College of Engineering, Chennai
16.	20.04.2018 to 21.04.2018	International conference on "Desalination (InDACON -2018)	International	Removal of Chromium (III) from tannery wastewater by electrochemical peroxidation process in a bench scale reactor	Department of Chemical Engineering at National Institute of Technology, Trichy
17.	28-31 October 2018	3rd International Conference on Alternative Fuels, Energy and Environment (ICAFEE):Future and Challenges	International	Treatment of tannery wastewater by solar photo electrochemical peroxidation process	YiXing Bamboo International Convent ion Centre, YiXing, China
18.	06.12.2018 to 08.12.2018	International conference on "Advances and challenges for sustainable ecosystem (ICACSE -2018)	International	Synergistic photo degradation of tannery industrial wastewater by combined advanced oxidation process	Department of Chemical Engineering, National Institute of Technology, Trichy
19.	23.05.2016	International Conference on "Recent Trends in Structural and Environmental Engineering"	International	"Treatment of combined wastewater by activated sludge process"	Department of Civil Engineering, University College of Engineering, Dindigul
20.	17.12.2016 to 20.12.2016	Fourth International Conference on "Advanced Oxidation Processes (AOP -2016)"	International	"Removal Chromium (III) from tannery wastewater by Electrochemical Peroxidation process"	BITS-Pilani, K. K.Birla Goa Campus, Goa
21.	16.09.2016 to 17.09.2016	TEQIP II Sponsored National Conference on "Green Engineering &Technologies for Sustainable Future"	National	"Treatment of tanner y wastewater by activated sludge process"	Department of Petrochemical Technology, BIT Campus, Anna University, Trichy
22.	28.03.2016 to 29.03.2016	Nineteenth National Convention of Electrochemists (NCE - 19)"	National	"Treatment of pulp and paper wastewater by electro-Fenton process"	National Institute of Technology, Trichy
23.	25.09.2014 to 28.09.2014	Third International conference on "Advanced Oxidation Processes (AOP -2014)"	International	Treatment of wastewater by Electrochemical process	Munnar, Kerala.
24.	27.09.2014 to 29.09.2014	International conference on "Green Technology for Environmental Pollution Prevention and Control (ICGTEPS -2014)"	International	"Treatment of Sago wastewater by electro-Fenton process"	National Institute of Technology, Trichy
25.	08.12.2013 to 09.12.2013	3rd International Science Congress (ISC-2013)	International	"Treatment of combined wastewater by activated sludge "	Karunya University, and Coimbatore

26.	18 & 19 March 2011	SELECT-11	National	“Waste Water Treatment on Pulp and Paper Industry”	CSIR-Central Electrochemical Research Institute, Karaikudi
27.	24.01.2011	Regional Meet EID 2011	National	“Treatment of combined wastewater by activated sludge process”	School of Civil Engineering, Karunya University, and Coimbatore
28.	05.09.2007 to 07.09.2007	International conference on “Sustainable Solid Waste Management”	International	--	Centre for Environmental Studies, Anna University, Chennai - 25.

17. Publications:

Refereed Research Journals:

Author(s)	Title of Paper	Name of the Journal	Year	Impact Factor of the Journal (Optional)
Anbarasi Karunanithi, Jeeva Senrayan, Selvabharathi Gopal	A short time transesterification process using microwave energy for biodiesel production from Bauhinia variegata seed oil: Petro-diesel blend study: Microwave energy for biodiesel production from Bauhinia variegata seed oil	Periodica Polytechnica Chemical Engineering	2023	1.3 Scopus , Science Citation Index-Expanded
Anbarasi Karunanithi, Jeeva Senrayan, Selvabharathi Gopal	Utilization of microwave energy for bio-oil extraction from Bauhinia variegata seeds: A Short-time Technology	Iranian Journal of Chemistry and Chemical Engineering	2023	1.903 Scopus, Web of Science
Selvabharathi Gopal , Adishkumar Somanathan, RajeshBanu Jeyakumar and Carlos Fernandez	A bench-scale electrochemical peroxidation reactor performance on removal of organic pollutants from tannery industrial wastewater	Desalination and Water Treatment	2022	1.273 Scopus, Web of Science
Selvabharathi Gopal , Adishkumar Somanathan and RajeshBanu Jeyakumar	Solar photo-assisted electrochemical peroxidation process for the sustainable treatment of tannery industry wastewater	AQUA – Water Infrastructure, Ecosystems and Society, IWA Publishing	2022	4.3 Scopus, Web of Science
Selvabharathi Gopal , S. Robert Ravi, Etikala Chinna	Treatment of dairy wastewater by using moving bed biofilm reactor sequential with integrated fixed-film sludge	International Journal of Innovative Research in Technology	2022	UCG Care
K.Thara, G.Selvabharathi , Dr.M.S.Dheenadayalan	Removal of Chromium using Vigno Mungo as Biosorbent	STAD Research	2020	UCG CARE

	in Tannery Effluent at Dindigul District			
G.Selvabharathi, K.Lakshmiganth, B.Manikandan, K.Ragul	Experimental Investigation on Replacement of Plastics in Building Blocks	International Journal of Information and Computing Science	2019	UGC Approved
G.Selvabharathi, Sonika,S.Shobana, K.Salma,G.Swetha	Study of stabilization of red soil by using Recron -3s, Flyash & Lime	International Journal of Information and Computing Science	2019	UGC Approved
G.Selvabharathi, S.Adishkumar, J. Rajesh Banu	Removal of chromium (III) from tannery wastewater by electrochemical peroxidation process in a bench scale reactor	Desalination and Water Treatment	2019	1.273 Scopus, Web of Science
G.Selvabharathi, V. Anandan, V. Dhivya, J. Janani, S. Jesima and P.Krishnakumar	Experimental study on concrete curing agent using calcium benotonite powder without curing agent	International Journal of Latest Engineering and Management Research (IJLEMR)	2018	UGC Approved
V.Anandan, M.Anandh, G.Selvabharathi, K. Aishwarya, M.Bhavani, P.Kavitha, M.Keerthana	Experimental Investigation on Partial Replacement of Cement by Neem Leaves Ash	International Journal of Latest Engineering and Management Research (IJLEMR)	2018	UGC Approved
Selvabharathi Gopal, Anbarasi Karunanithi	Assessment of municipal solid waste management of Dindigul city using geospatial tools	Engineering Reports	2018	UGC Approved
G.Selvabharathi, K. Anbarasi, S.Robert Ravi and D.Dhanaraja	Treatment of Tannery Wastewater by Activated Sludge Process	Elixir Renewable Energy	2017	UGC Approved
K.Anbarasi, D.Dhanaraja and G.Selvabharathi	Studies on Biological Treatment of Textile Effluent from CETP	Elixir Renewable Energy	2017	UGC Approved
Selvabharathi. G, Adishkumar. S & Rajesh Banu .J	Combined heterogenous and homogenous treatment of tannery wastewater by solar photo Fenton process	Journal of water reuse and Desalination, IWA Publishing	2016	4.5 Scopus, Web of Science
K. Anbarasi, S.Jeeva, D.Dhanaraja, G.Selvabharathi	An aqueous solvent extraction of polyphenols from jack fruit waste: Response surface modeling and optimization	Journal of Chemical and Pharmaceutical sciences	2016	--
Selvabharathi.G, Adishkumar.S & Rajesh Banu. J	Treatment of Pulp and Paper Wastewater by Electro Fenton Process	Asian Journal of Research in Social Sciences and Humanities	2016	UGC Approved
G.Selvabharathi	Treatment of Combined Waste Water by Activated Sludge Process	IJRET: International Journal of Research in Engineering and Technology	2016	

G.Selvabharathi and Kanmani S	Tertiary Treatment of Pulp and Paper Industrial Wastewater by Electro-Fenton Process	Indian journal of environmental Health	2010	0.168, Scopus, Web of Science
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Patent Details

S.No	Patent Name	Date	Status
1.	Lower Limb Exo Skelton based Knee Actuator	02/08/2023	Applied
2.	"Removal of Cr(III) from tannery wastewater by	17 July 2022	Australian Patent -Granted
3.	Treatment of tannery wastewater by combined AOP Process	01/01/2022	Published

Book chapters

1. Thara.k, **Selvabharathi.G**, K.Sampath Kumar, "The Overview of Sustainable Technologies for the Treatment of Industrial Wastewater and its Potential for Reuse" with ID "DPS06G82-31JL198RSAU31" IIP Book Series "IIPV3EBS06_G82 Futuristic Trends in Chemical Material Sciences & Nano Technology", Volume 3, October 2023.
2. Anbarasi. K, **Selvabharathi.G**, Jeeva.S. "Chapter 6 - A holistic valorization of food waste for sustainable biofuel production", Book chapter in Valorization of Wastes for Sustainable Development: Waste to Wealth, 2023, Pages 137-154, Book chapter in proceedings of Elsevier.
3. Anbarasi. K, Dhanaraja.D, **Selvabharathi.G**. "Bioactive compounds Extraction from Food Waste using Conventional and Advanced Techniques", Book chapter in proceedings of NETCPT'16, pg. no.2.1-2.8 (March 2016), ISBN 9789352545032.
4. Anbarasi. K, Jeeva.S, **Selvabharathi.G**. "Manuscript for (Chapter No. 13) Book entitled "Bioremediation of Industrial Effluents" under title "Emerging treatment techniques for removal of pollutants from pharmaceutical industry wastewater"", Book chapter in proceedings of Springer, (July 2020).

18. Workshop/Seminar/Short term courses organized:

1. Five days Short Term Course on "Introduction to Turbulent Flows and their Prediction", Organized by Department of Applied Mechanics, IIT Madras on 19.03.2011 to 23.03.2011.
2. Two days Short Term Course on "Integrated Separation Process for Environmental and Biotechnology Applications by the Department of Chemical Engineering", National Institute of Technology, Trichy on 19.06.2013 to 20.06.2013 Sponsored by TEQIP.
3. One day National Level Workshop on "Research Methodology", organized by Centre for Faculty Development, Anna University, and Chennai 25 on 12.09.2015. Short term course on "Current Research Scenarios in Energy, Environment and Chemical Engineering", Sponsored by QIP- AICTE, organized by Department of Chemical Engineering, National Institute of Technology, Trichy on 30.01.2017 to 04.02.2017.

4. Short term course on "Advances in Geo Environmental Engineering" Sponsored by QIP - AICTE, Centre for Continuing Education, Indian Institute of Science, Bengaluru on 27.03.2017 to 31.03.2017.
5. One day National Level workshop on "NPTEL Workshop" at Thiagarajar College of Engineering College, Madurai on 02.01.18.
6. Four days Faculty Development Program on "Stress Management", organized by NPTEL- AICTE, IIT Madras during Aug - Sep 2018.
7. Short term course on "Recent Environmental Challenges, Solutions and Management for sustainability" Sponsored by QIP- AICTE, organized by Department of Civil Engineering, Coimbatore Institute of Technology, Coimbatore, 29.11.2017 to 05.12.2018.
8. One day National Indo-Australia Workshop on "Nano Materials for Applications in Agriculture, Energy and Environment" on 23rd January 2020 at NIT, Trichy.
9. Two days National Level Seminar on "Urban Pollution, Environment and Health" on March 5th and 6th 2020, at Coimbatore Institute of Technology, Coimbatore.
10. Two days FDP on "Virtual Teaching" through On-Line mode to be held on 20 & 21, April, 2020.
11. Completion of online course on "Basic Principles of Remote Sensing Technology" which was conducted by Indian Institute of Remote Sensing (IIRS), ISRO Dehradun, during 13-04-2020 to 25-04-2020.
12. The ICCW-IITM: Daily Webinar series on "Rainwater harvesting" organized by the Department of Civil Engineering, International Center for Clean Water ICCW is an initiative of IIT Madras on 01.06.2020 to 06.06.2020.
13. Webinar session on "Applications of GIS in Infrastructure Planning and Management" organized by NITTTR Chennai on 04.05.2020.
14. The Live Webinar iGrip Webinar series on Geo structures titled "Learning from Civil Engineering in the Harappan Civilization" by Civil Engineering, IIT Gandhinagar 11.05.2020.
15. The International Webinar Series on "Tertiary waste water treatment technologies: Perspective on removal of emerging contaminants" organized by PSG Institute of Science and Technology, Coimbatore on 28.05.2020.
16. The International Webinar on Industrial Technology Research Institute of Taiwan on "Biological wastewater Treatments" Presented by Dr.Kuna-Foo Chang - Manager, Dr.Shing-Der Chen - Manager, ITRI, 22.06.2020.
17. AICTE Training and Learning (ATAL) Academy on "ROAD- Response Effectiveness, Organizing Self, Attitudinal shift, Decision Making" - 07.09.2020 to 11.09.2020.
18. AICTE Training And Learning (ATAL) Academy Online Elementary FDP on "**Smart cities for sustainable development**" from 07/03/2022 to 11/03/2022 at Motilal Nehru National Institute of Technology Allahabad.
19. AICTE Training And Learning (ATAL) Academy Online FDP on "**ROAD - Response Effectiveness, Organising Self, Attitudinal Shift, Decision Making**" from 7/9/2021 to 11/9/2021 at Indira Gandhi Delhi Technical University for Women.
20. AICTE Training And Learning (ATAL) Academy Online Elementary FDP on "**Strategic management issues in technical institutions**" from 27/12/2021 to 31/12/2021 at National Institute of Technical teachers Training Institute, Kolkata .
21. AICTE Training And Learning (ATAL) Academy Online FDP on "**Green Technology & Sustainability Engineering**" from 5/10/2020 to 9/10/2020 at Netaji Subhas University of Technology.

22. AICTE Training And Learning (ATAL) Academy Online Elementary FDP on "**Trailblazing Practices in Geotechnical Engineering**" from 07/06/2021 to 11/06/2021 at Meenakshi Sundararajan Engineering College.
23. AICTE Training and Learning (ATAL) Academy on "Green Technology & Sustainability Engineering" from 05.10.2020 to 09.10.2020.
24. TLC - One week National interdisciplinary online workshop on 'Climate change and Environmental sustainability' held from 22-26th March 2021) Organized by CUPB Teaching learning Centre Pandit Madan Mohan Malviya National Mission on Teachers and Teaching, Central University of Punjab, Punjab.
25. 5 days FDP on "Exploring Entrepreneurship & Startup Opportunities", Sri Venkateshwaraa College of Engineering & Technology, Puducherry - 605 102.
26. **Five day online FDP** - Emerging Trends in Environmental Biotechnology at Governemnt College Of Engineering, coimbatore from 20 to 24 December 2021.
27. Two days National Level Seminar on "Urban Pollution, Environment and Health" on March 5th and 6th 2020, at Coimbatore Institute of Techno logy, Coimbatore. 5/7/2021 9/7/2021
28. OLC Sanitation Technology, Global Sanitation Graduate School, USA, 1/9/2021 10/9/2021
29. Five Day Online FDP - Emerging Trends in Environmental Biotechnology - 20 to 24 Dec 2021,GCT, Coimbatore.20-12-2021 24-12-2021
30. AICTE Recognized Faculty Development Programme on "Artificial Intelligence & IoT Applications in Civil Engineering" Conducted by Civil Engineering Department from 12/09/2022 to 16/09/2022 (One Week) at NITTTR, Chandigarh.
31. Five Days FDP - "**Sustainable Development with Innovations in Civil Engineering**", Conducted by Civil Engineering Department from 21/11/2022 to 25/11/2022 (One Week) at Vellammal College of Engineering and Technology, Maduarai.
32. Participated in the online International Seminar on "**Advanced Technologies for Wastewater Management with Focus on Advanced Oxidation, Membrane and Algal Methodologies (ATWM-2022)**" jointly organized by Indian Institute of Technology Madras (IITM),University of Calgary, Canada and University of Technology Sydney (UTS), Australia on 10th - 15th November, 2022.
33. Five Day Online FDP - International Virtual Faculty Development Programme on "**Advances in Civil Engineering (ACE'23)**", Department of Civil Engineering JCT College of Engineering and Technology, Cominatote on 09.01.2023 to 13.01.2023.
34. One day Seminar on "**Water Security in Changing Environment**" organized by Vellore Institute of Technology (VIT), Vellore on March 22, 2023.
35. One day workshop on "**Water Conclave 2023**" organized by CII Madurai 11 April 2023 at Madurai.
36. Five Day Online FDP - ISTE Approved One Week Online Short Term Training Programme (STTP) on "**Scientific Research, Publications, Grants and Intellectual Property Rights**" Department of Civil Engineering, Adithya Institute of Technology, Cominatote on 12.06.2023 to 16.06.2023.
37. AICTE Recognized Faculty Development Programme on "Artificial Intelligence & IoT Applications in Civil Engineering" Conducted by Civil Engineering Department from 12/09/2022 to 16/09/2022 (One Week) at NITTTR, Chandigarh.

38. Five Days FDP – “Sustainable Development with Innovations in Civil Engineering”, Conducted by Civil Engineering Department from 21/11/2022 to 25/11/2022 (One Week) at Vellammal College of Engineering and Technology, Maduarai.
39. One day Programme on 6th edition of CII- “National Higher Education Conclave (NHEC 2022)” on 24 November 2022 at Coimbatore.
40. Five Day Online FDP - International Virtual Faculty Development Programme on “Advances in Civil Engineering (ACE'23)”, Department of Civil Engineering JCT College of Engineering and Technology, Coimbatore on 09.01.2023 to 13.01.2023.
41. One day workshop on “Water Conclave 2023” organized by CII Madurai 11 April 2023 at Madurai.
42. Five Day Online FDP - ISTE Approved One Week Online Short Term Training Programme (STTP) on “Scientific Research, Publications, Grants and Intellectual Property Rights” Department of Civil Engineering, Adithya Institute of Technology, Coimbatore on 12.06.2023 to 16.06.2023.
43. Five days Web series on Research Careers in Germany from 26 – 28th September 2023 conducted by DWIH New Delhi.
44. 5-day e short-term program (STP) on “RESEARCH TRENDS AND FUTURE SCOPE IN CIVIL ENGINEERING” (RTFSCE-2023), from 11th to 15th September 2023 organized by the Department of Civil Engineering, National Institute of Technology Jamshedpur.
45. 2 Weeks (12 Days) “Online Faculty Development Programs on Entrepreneurship Development (Energy Conservation)” conducted by AU-CFPD & sponsored by DST, Anna University, Centre for Faculty and Professional Development (AU-CFPD), Chennai from 11th to 25th, September, 2023.

19. Workshop/Seminar/Short term courses organized:

- The Webinar on "Design and Construction of Reinforced Concrete Flat Slabs - An Overview" organized by SSM Institute of Engineering and Technology, Dindigul on 17.06.2019.
- The Webinar on "Green building and Sick Building Syndrome" organized by Department of Civil Engineering, SSM Institute of Engineering and Technology in association with Civil Engineers Welfare Association, Dindigul & UltraTech Cement Limited On 17.05.2020
- One day workshop on “Basics of Civil Engineering in Construction Practice” organized by SSM Institute of Engineering and Technology, Dindigul on 30.03.2022.
- One day Programme on “Environ Walk” organized by SSM Institute of Engineering and Technology, Dindigul on 07.06.2022.
- FDP on “Non-Sewered Sanitation in Achieving SWACHH BHARAT MISSION 2.0” Dr.Hemalatha, Vice-Principal, WASH Institute, Dindigul Organized by Department OF Civil Engineering at SSMIET on 10.08.2022 – 12.08.2022.
- One day Programme on “Signals and Systems of Working in Indian Railways” organized by SSM Institute of Engineering and Technology, Dindigul on 17.10.2022.
- One day Workshop on “Geo Technical Aspects on Metro Projects in Civil Engineering” organized by SSM Institute of Engineering and Technology, Dindigul on 28.11.2022.

- One day Workshop on “Outcome Based Education in Civil Engineering” organized by SSM Institute of Engineering and Technology, Dindigul on 05.12.2022.
- Expert Talk on “Basics of Civil Engineering in Construction Practice” Organized by Department of Civil Engineering at SSMIET on 30 th March, 2022.

20. Invited Talks delivered

Topic	Date	Inviting Institution
Technical Seminar on “ Future Trends on Civil Engineering Software ”	09.11.2019	Arulmigu Palaniandavar Polytechnic College, Palani
Technical Seminar on “ Opportunities in Civil Engineering ”	08.11.2022	Theni Kammavar Sangam College of Technology, Kammavar Nagar, Theni - 625534
Faculty Induction Programme on “ University Functioning, Regulations (Examination Systems) ”	07.06.2023	SSM Institute of Engineering and Technology, Dindigul - 02

21. For Conducting National Program as Program coordinator:

- ✓ Program coordinator as ATAL Technical FDP in the Academic year 2023-24 – “Sustainable Waste Management”

22. Text or Reference Books Published:

1. [Environmental sciences and sustainability](#), Author: G.VENKATESAN, G.SELVABHARATHI and K.ANBARASI, Lakshmi Publications, 2022, (ISBN : 978-81960819-1-1)

23. Reviewer for Journals

- ✓ The Korean Journal of Chemical Engineering
- ✓ Global Nest
- ✓ Water Science and Technology
- ✓ Iranian Journal of Chemistry and Chemical Engineering (IJCCE)

24. Enhanced Learning Certifications

1. Introduction to Industry 4.0 and Industrial Internet of Things, Jan – April 2023, IIT Kharagpur.
2. Global Navigation Satellite Systems and Applications, Jul-Aug 2022, IIT Madras.
3. Water, Society and Sustainability, Aug-Sep 2021, IIT Kharagpur.
4. Global Navigation Satellite Systems and Applications, Jul-Aug 2022, IIT Madras.
5. Digital Land Surveying and Mapping - Jan-Mar 2020, IIT Madras.
6. Stress Management - Aug-Sep 2018, IIT Kharagpur.
7. Research Writing - Feb-Mar 2018, IIT Kharagpur.
8. Human Molecular Genetics - Jan-Feb 2017, IIT Kanpur.

9. Introduction to Research, Jan-Mar 2016, IIT Madras.
10. Introduction to process modeling in membrane separation process, Mar-Apr 2016, IIT, Kharagpur.
11. Developing Soft Skills and Personality- Jul-Sep 2016, IIT Kanpur.

25. Membership in professional Societies

S. No.	Name of the body / organization	Member / Fellow
1.	International Association of Engineers (IAENG)	Life member (LM: 132575)
2.	International Society for Photogrammetry and Remote Sensing	Life member
3.	Indian Society for Technical Education	Life member (LM: 128387)
4.	Institution of Public Health Engineers, India	LAM-762 / 2011
5.	Indian Water Works Association	LF-001321
6.	The Institution of Engineers (India)	LM-6926
7.	The Institution of Engineers (India) Chartered Engineer India	F-1271993

26. Awards and Honors

1. Secured **University Rank holder** during Bachelor of Engineering (Anna University, Chennai - April/May, 2003)
2. Awarded as "**Junior Research Fellow**" by Central Electrochemical Research Institute, Karaikudi- 630003 (CECRI), Government of India on 6th November 2006.
3. Received **best poster award** for the work entitled "Synthesis of photocatalytic performances of zinc oxide (ZNO) -nanostructured titanium dioxide with copper (ii) oxide (CuO +TiO₂) nano composites for H₂ production from dairy wastewater" in 3rd International Conference On Sustainable Environment, Energy & Construction (ICSEEC-2021), Department of Civil Engineering at Hindustan Institute of Technology & Science, Chennai, 16th - 17th, December 2021.
4. Received **recognized reviewer award** from various international journals (Elsevier & Frontiers).
5. Appreciation Awarded as "**REASERACH**" by Texas Instruments, Bangalore on 12th November 2017.
6. "Faculty Appreciation - 2023" Teachers Day on SSMIET 05.09.2022.
7. Research Excellence Award 2023 - in InRes Research Excellence Award 2023.
8. Research Initiative Award 2023 - SSM institute of Engineering and Technology, Dindigul -02.

27. Significant outreach activities outside Institute:

- Awareness programme on Grievance Redressal to all staff members at SSMIET on 03rd March, 2022.
- A Special lecture on "ஆண் நன்று பெண் இனிது" Organized by Women Empowerment Cell at SSMIET on 08.03.2022.

- Expert Talk on “Basics of Civil Engineering in Construction Practice” Organized by Department of Civil Engineering at SSMIET on 30 th March, 2022.
- Alumni Talk Series form May 9th to May 14th 2022 Organized by SSMIET - Alumni Association.
- PREVENTION OF SEXUAL HARASSMENT (POSH) CELL Conducted an Awareness Programme On “பெண்கள் எதிர்க்கொள்ளும் தற்கால பிரச்சினைகள்- புரிதல்களும், செயல்பாடுகளும்” SSM Institute of Engineering and Technology, Dindigul on 22.10.2022.
- SSM Institute of Engineering and Technology, Dindigul In Association with Sarada Krishna Homeopathic Medical College, Kanniyakumari Cordially Inauguration of “WELLNESS CENTRE” at SSM Institute of Engineering and Technology, Dindigul on 22.02.2023.
- One day Seminar on “International Women’s day Celebration - 2023” Organized by WOMEN EMPOWERMENT CELL, SSM Institute of Engineering and Technology, Dindigul on 08.03.2023.
- Garnd Alumni Meet: 2023 on Julj 30th 2023 Organized by SSMIET - Alumni Association.

REFERENCES

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