

Ms.A.Sangeetha Profile

Ms.A.Sangeetha B.Tech., M.E., (Ph.D).,
Assistant Professor,
Department of Biotechnology,
Periyar Maniammai Institute of
Science & Technology, Thanjavur.
613403.



Educational Qualification:

Course	Board/University	Year of Passing
Ph.D. (Part Time)	National Institute of Technology, Trichy-15 (Central University)	Pursuing
M.E (Environmental Engineering) (Full Time)	Government College of Technology, Coimbatore (Anna University)	May 2007
B.Tech (Chemical Engineering) (Full Time)	Anjalai Ammal Mahalingam Engg. College, Kovil venni (Bharathidasan University)	May 2004

Total Experience: 14 Years

Teaching Experience: 12 Years

Industrial Experience: 2 years

Name of the Organization	Designation	Period of Employment	
		From	To
Periyar Maniammai Institute of Science and Technology. Thanjavur.	Asst. Professor	July. 2009	Till Date
Annai J.K.K. Sampoorani Ammal Polytechnic College, Gobi	Lecturer	Oct.2006	August. 2007
Si Rasi Mineral Water Ltd. Cuddalore	Quality Controller	June 2004	September 2006

Research Working Area: Industrial wastewater Treatment, Solid waste Management

Subjects Handled:

- [1] Engineering Graphics
- [2] Chemical Engineering Thermodynamics
- [3] Fluid Mechanics
- [4] Chemical Reaction Engineering
- [5] Environmental Engineering I and II
- [6] Environmental Sciences
- [7] Engineering Mechanics
- [8] Solid Waste Management
- [9] Air Pollution Control and Management
- [10] Industrial Waste Management
- [11] Unit Operations
- [12] Heat and Mass Transfer
- [13] Membrane Separation Process

(Ph. D). Research Title: Treatment of Industrial waste water using advance methods.

Awards Received: Nil

Research Grant received: Nil

Publications:

Scopus Journals:

- **A.Sangeetha**, R. Ambalavanan, J. Santhosh and G. Thirumal Murugan (2018) Performance Evaluation of Paper Mill Effluent in a Granular Bed Hybrid Up-flow Anaerobic Sludge Blanket (HUASB) Reactor. Nature Environment and Pollution Technology, 17, 111-115.
- **A.Sangeetha**, T.Sharmila, (2020) Hydrodynamic behaviour of a laboratory scale hybrid upflow anaerobic sludge blanket reactor. Indian Journal of Chemical Technology Vol. 26, pp. 161-165

Other International Journals-12

- **A.Sangeetha** & K.R.Karthika, (2011) “Startup Study on Anaerobic Digestion of Paper Mill Effluent in Hybrid Up flow Anaerobic Sludge Blanket Reactor Using Effective Micro Organism” Journal of Engineering and Technology, ISSN 0976-4119 Vol (2), Pg no: 39-45.
- B. Arthee, & **A.Sangeetha** (2017) “Characteristics of Landfill Leachate from Srinivasapuram Dumping Yard, Thanjavur” International Journal of Engineering Research & Technology, (IJERT) ISSN: 2278-0181, Vol. 6 Issue 04.

International Conferences-1

1. Sangeetha A, Renuka Devi , Sundarapandiyan P, Annie Celin Therse D G (2019) Performance assessment of submerged anaerobic membrane bioreactor for treating tannery industrial effluent AICTE Sponsored International Conference on ICSAIOT-2019 conducted by K.S.Rangasamy College of Technology, Tiruchengode, August 28 & 29, 2019.

National Conferences-6

1. *“Public Participation, Education and Involvement in Integrated MSWM In Erode,”* National Conference on Technology Applications for Sustainable Development, Kongu Engineering College, Perundurai, Erode. 29 – 30, January 2009.
2. *“Commercialization of Municipal Solid Waste Management”* International Seminar on Managing Global Recession Opportunities & Challenges, K.S.R School of Management, Namakal, 25th March - 2009.
3. *“An ANN Modeling of Anaerobic Digestion of MSW using UASB Reactor”* National Conference on Innovative Practices for Sustainable Energy And Waste Management. Sri Ramakrishna Institute of Technology – Coimbatore. 24th - 25th April - 2009.
4. *“Performance Evaluation of Paper Mill Effluent in a Granular bed Hybrid Up flow Anaerobic Sludge Blanket Reactor”* National Conference on Recent Advancements in Civil Engineering. Sengunthar Engineering College, Tiruchengode, 28th April -2009.
5. *“Automation in Waste Water Treatment”* National Conference on Technology for a Sustainable Tomorrow. Centre for Applied Research and Education (CARE), Trichy, 11 -12 March – 2011.
6. *“Treatment of Paper Mill Effluent with Hybrid Up Flow Anaerobic Sludge Blanket Reactor Using Effective Micro Organisms”* National Conference on Advances in Computing, Control, Communication, Automation and Structural Engineering. AL- Ameen Engineering college- Erode, 10th March – 2012.

Membership- 1 Nos

Associate Member in the Institution of Engineers (India) A -552899-3

Workshops/Seminars/Conferences/convocation Organized- 10 Nos

1. Coordinated for organizing the programme, National Level Technical Seminar on “Climate Change” at Periyar Maniammai University, 4-6th, February, 2010
2. Coordinated for organizing the programme, the World Environment Day’12 celebration in PMU on 5.6.12. Dr.Y.E.A.Raj, Deputy Director General of Meteorology, Regional Meteorological Center, Chennai, delivered a special address on “Perspective on Global Warming, Climate Change and Non-conventional Energy with the special reference to India”.
3. Coordinated for organising the programme, Indo-Russian workshop on Environment and Pollution Control Technologies in association with Indian-Russian Chamber of Commerce and Industries & Indian – Russian Cultural and Friendship Society on 27.9.12

4. Coordinated for organising the programme, Two day workshop on Municipal Solid waste for Renewable Energy production on 19-20.11.12 in Periyar Maniammai University the financial support of Ministry of New & Renewable Energy, Govt. of India, New Delhi.
5. Coordinated for organising the programme, the awareness campaign to scavengers of Vallam panchayat on 21.11.12 about Collection, segregation and transportation of waste.
6. Coordinated for organising the programme, the Two day workshop on Benefits and Risk of Nanotechnology for Environmental Sustainability on 19.12.12 and 20.12.12 in Periyar Maniammai University the financial support of Ministry of Earth Sciences, Govt. of India, New Delhi
7. Coordinated for poster Presentation of 16th ISTE students National Annual Convention 2013, 27th – 28th September 2013.
8. Coordinated for organizing the programme, One day workshop on “Valuation by Engineers”, 29th April 2015.
9. Coordinated for organizing the programme, two day workshop on “Process Engineering in Biotechnology Application”, 27th & 28th Sep 2019.
10. Coordinated for organizing the programme, two day National Level Symposium on “BIONICS’19”, 10th & 11th October 2019.

Professional Experience:

1. Analysis of Water and waste water.
2. Characterisation of Solid waste for different Municipalities and Panchayats.
3. Participation in Clean Thanjavur Movement - Solid Waste Management Awareness Programme.
4. Solid Waste Management Awareness Programme conducted to Public, schools and colleges.

Administrative Accomplishments

1. Exam Representative
2. NAAC Criteria V Coordinator.
3. NSS Programme Officer.
4. BOS Member.
5. Class In-charge, Class mentor.
6. Department Admission Coordinator