

## RESUME

**Dr. S. MEENACHI**

W/O, A.Velliyangiri

Mobile No: 9788611050

[smeena26@gmail.com](mailto:smeena26@gmail.com); [meenachi@ksrct.ac.in](mailto:meenachi@ksrct.ac.in)

118, East Street,  
Kanagapuram road,  
Punjai lakkapuram,  
Lakkapuram [PO]  
Erode – 638 002

### **OBJECTIVE**

To secure a challenging position where I can effectively contribute my skills as Management Professional, innovation, education and sense of ownership are valued and encouraged.

### **EDUCATIONAL QUALIFICATION**

Degree	University	Month & Year of Passing	Mode of study	% of Marks	Specialization
Ph.D	Anna University	Jan 2020	Part time	-----	Wastewater treatment
M.Phil	Bharathiar University	June 2006	Regular	61% First Class	Organic Chemistry
M.Sc., Chemistry	Government Arts College, Coimbatore	May 2004	Regular	76% First Class	General Chemistry
B.Sc., Chemistry	Government Arts College, Coimbatore	May 2002	Regular	81% First Class	1 <sup>st</sup> Rank holder
XII	GGHSS, Coimbatore	APIRL 1999	State Board	74%	Sci. and Maths group
X	GGHSS, Coimbatore	APIRL 1997	State Board	72%	-----

### **EXPERIENCE**

S.No.	Name of the Concern	Post Held	Duration	Experience
1	Sri Ramakrishna Institute of Technology, Coimbatore	Lecturer	02.01.2006 – 15.07.2009	3 Years 6 Months
2	Nandha College of Technology, Erode	Assistant Professor	20.07.2009 – 30.06.2012	2 Years 11 Months
3.	Vidyaa Vikas College Engg.& Tech, Tiruchegode	Assistant Professor	02.07.2012- 30.06.2013	11 Months
4.	Al-Ameen Engineering College , Erode	Associate Professor	12.08.2013-01.10.2021	8 Years 1 month
5	K S Rangasamy College of Technology, Tiruchengode	Associate Professor	08.10.2021 TO TILL DATE	2 Year 1 month
Total Years of Experience				17 Years 6 months

## PROJECT DETAILS

<b>Research Work Based on</b>	<ul style="list-style-type: none"> <li>➤ Organic Chemistry, Schiff base, Synthesis of hetro cyclic compounds</li> <li>➤ Waste water treatment, Environmental Chemistry</li> <li>➤ Integrated Process techniques: Chemical coagulation, Electro chemical coagulation, Advanced Oxidation process</li> <li>➤ Selection of medicinal plants for nano material preparation</li> <li>➤ Green synthesis of nano materials</li> <li>➤ Applications: Environmental research in nano-based technologies</li> <li>➤ Water purification</li> <li>➤ Industrial effluent treatment</li> <li>➤ Cost effective and Eco-friendly treatment methods</li> </ul>	
Ph.D Thesis	Treatment of Tannery Effluents Using Integrated Process Techniques	Under the Guidance of : Prof. Dr.S.Kandasamy, Department of Food Technology, Kongu Engineering College, Erode.
M.Phil Thesis	Synthetic Studies New Nitrogen Heterocyclic Compounds	Under the Guidance of : Prof. Dr.S.P.Rajendran / Chemistry Bharathiar University, Coimbatore
M.Sc Project	Studies on Dyeing on Cotton Cloths using Reactive Dyes with salt and alkali	Dying Unit in Tirupur

## MEMBERSHIP IN PROFESSIONAL BODIES

Professional bodies	Member type	Membership number
Institute For Engineering Research and Publication-IFERP	Professional Membership	PM78193405
International Association for Academic plus Corporate-IAAC	Annual Membership	FRTJQC-CE001933
National Institute for Technical Training and Skill Development - NITTD	Professional Membership	NITTD/Professor/57341
All India Council for Technical Skill Development - AICTSD	Professional Membership	AICTSD/Professor/70897
International Association of Engineers (IAENG)	Professional Membership	319424
International Association of Hydrological Sciences	Professional Membership	19530

## MEMBERSHIP IN COMMITTEES

- ECO CARE club – Secretary member
- Career guidance academy – organizing member
- National digital library – Associate editor member
- School management committee member in Government higher secondary School, Erode
- Programme Coordinator in Department
- Institution Innovation Council Member
- Research and Development Coordinator
- Module Coordinator, Course Coordinator, BoS member

**PROGRAMMES ORGANIZED**

- Orientation programme on “ Space technology for agricultural training Evolver” with collaboration of ISRO & National Council of Science and Technology, K S Rangasamy college of Technology on 30.11.2021
- Ecocare club and Bhoomi foundation jointly organized Seed Ball Making at K S Rangasamy college of Technology on 14.05.2022
- Women self employment training programme on 28.04.2022 at Atturampalayam village, Tiruchengode with a support of K S Rangasamy college of Technology.
- Webinar on Innovative sustainable approaches for waste management” organized at K S Rangasamy college of Technology, Institution Innovation Council on 23.06.2022
- National Conference Organized as a Committee Member SALIS 2022 on 13.10.2022 to 15.10.2022 at K S Rangasamy college of Technology

Honours and Awards	<ul style="list-style-type: none"> <li>• Received the first rank in UG 2009</li> <li>• Jury of various competitions at various organizations</li> <li>• Motivational Speaker</li> <li>• Best woman faculty award 2022-2023 by Novel Research Academy</li> </ul>	
Guest of honour	<ul style="list-style-type: none"> <li>• Chief guest : Sara College of Education – First year Inagural function 2017</li> <li>• School Exhibition: Antiquities Conservation and Environment Exhibition Government Higher Secondary Lakkapuram, Erode on 28.02.2023</li> </ul>	
Doctoral Thesis Guided	Under Anna University- ongoing - 2 Research Scholar	
<b>RESEARCH PROJECTS</b>		
UG Guided	<p><b>UNDER GRADUATE : B.E. CIVIL ENGINEERING / 2022</b></p> <p><b>STUDENTS:</b> PASUPATHI S, SHRI HARISH KUMAR P, ASAITHAMBI C</p> <p>Title: Efficacy of Achyranthes aspera coagulant in brainery wastewater treatment.</p>	
Ph.D Scholar guided	A.Valarmathi / 23247691179/ Fabrication and Evaluation of Borassus flabellifer Fiber and its engineering applications ( pursuing)	
	V.Keethana/23247697178/ Synthesis and catalytic applications of shiff base ruthin complex(pursuing)	
Applied	<p><b>Scheme:</b> SERB/ Start-up Research Grant- Reference No.: 422022000542;</p> <p>Duration: 24 months; Total Cost (INR) : 18,31,530</p> <p>Title- Resourcing Power loom Cotton Waste for Magnetite Nano cellulose Crystals to Mitigate Tannery Effluent Treatment</p>	
Applied	<p><b>Scheme:</b> SERB/ Power Grant- Reference No. SPG/2022/001386; Duration: 3 Years; Total Cost (INR): 20,68,800</p> <p>Title- HYBRID NANO CELLULOSE IRON OXIDE FOR INDUSTRIAL EFFLUENTS</p>	
Orchid Id - 0000-0003-0265-2021	Scopus Id- 4467870005	Researcher IiD - AAY-3903-2021
Google Scholar Id- Bwr_ig4AAAAJ	AICTE Employee Id- I-2186017123	---

<b>ONLINE COURSE</b>			
SWAYAM-NPTEL	Wastewater Treatment and Recycling (2021)	IIT Kharagpur- completed	
SWAYAM-NPTEL	Basic Environmental Engineering and Pollution Abatement (2022)- <b>Elite</b>	IIT Roorkee / Elite	
SWAYAM-NPTEL	Environmental Sciences (2023)	On going	
<b>PUBLICATION DETAILS</b>			
Book published	Environmental Science and Engineering	THAKUR Publication (2018) / ISBN - 9789387483446	
Book published as an Associate Editor	Innovations in science and Technology for industrial Applications	Shanlax Press(2022), ISBN - 9789394899339	
<b>Patent published</b>			
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National	Titile	Application Number	Filed/ Published /Granted
	A biodegradable and water repellent based coating material for packaging applications and preparation	202341052665	Filed
	Method for performing of zinc oxide nanoparticles using lentinula edodes mushroom and chitosan.	202341052666	Filed
	An apparatus for obtaining dispersed carbon nanotubes using liquid nitrogen treatment	202341052677	Filed
	AI based dissolution dosage Apparatus	393331-001	Filed / Published
International	Smart Vein Identifying Wrist Band	Design Number: 6303703	Granted
<b>JOURNAL'S DETAILS</b>			
Journal' published	SCI Journal / Scopus Journal	Web of Science, UGC, Google scholar etc	
International/ National	7	10	

Seminar / Conference presentation	15
FDP/ Workshop/ Seminar / Conference participation	59
Training programmes	2

### PERSONAL PROFILE

Name : Dr. S. Meenachi  
Date of Birth : 26.10.1981  
Gender : Female  
Material Status : Married  
Husband Name : A.Velliyangiri  
Nationality : Indian  
Religion / caste : Hindu / Thuluva Vellalar  
Languages known : English, Tamil  
Mobile Number : 9788611050  
Email id : [smeena26@gmail.com](mailto:smeena26@gmail.com)  
Address : 118, East Street, Kanagapuram road, Lakkapuram, Erode