


Name of the Teaching Staff	<b>Dr. K. Parameswari</b>			
Designation	<b>Associate Professor and HoD</b>			
School / Department	<b>SSAM / Physical Sciences</b>			
Date of Joining the Institution	<b>30-07-2001</b>			
Qualification with Class / Grade	UG I	PG I	Ph.D. I	
Area of Specialization	Electroorganic Chemistry			
Research Interests	Modified Electrodes, Textile dyeing wastewater treatment Electrocatalysts			
Subjects Teaching	Under Graduate	Post Graduate		
	Applied chemistry, Environmental sciences, Elective Subject – Evolution of Materials, Applied Chemistry Lab Free Elective Subject- Chemistry in Everyday Life, Forensic Chemistry, Instrumental Analysis for Forensic Science, Value Education, Soft Skills	Reaction Mechanism and Steochemistry, Chemical bonding and Nuclear Chemistry, Materials Chemistry, Physical Chemistry, Coordination Chemistry, Fuel Cells and Energy Storage Devices, Basic Inorganic Chemistry and Nuclear Chemistry for Basic Inorganic Chemistry <b>M.Sc (Integrated NanoScience)</b> Electrochemical Water Processing and Water Treatment - <b>M.Tech (IWRM)</b> Qualitative Inorganic Analysis Lab, Modern Instrumentation Lab, Preparative Inorganic Lab ( <b>I M.Sc Chemistry</b> ) Qualitative Organic Analysis Lab ( <b>I M.Sc Inte. Nano Science</b> )		
Total Experience in Years	Teaching	Industry	Research	
	23	6.5	18	
Papers Published	National	08	International	21
Papers Presented in Conference	National	07	International	10
Conferences / Symposiums / Seminars / Workshops Participated	National	28	International	11
FDP / STTP / MDP / Summer / Winter School attended	1. Training cum Workshop on Assessing Communicative Competence of Learners Organized by National Testing Service India CIIL, Mysore MHRD, GOI, in collaboration with English Department, Karunya University from 29 <sup>th</sup> 31 <sup>st</sup> October 2012.			

	<ol style="list-style-type: none"> <li>2. Mission 10X workshop on High Impact Teaching Skills conducted by Wipro at Karunya University from 25<sup>th</sup> to 29<sup>th</sup> April 2011.</li> <li>3. Faculty Development programme on Improving Effectiveness and Quality of Engineering Education at Karunya University from 30<sup>th</sup> to 31<sup>st</sup> March 2016</li> <li>4. Basic Science behind Advanced Technology-FDP organized by FDP Training Centre, Govt. College of Technology, Coimbatore is association with Department of Basic Engineering, Govt. Polytechnic College, Valangaiman during 29-01-2024 to 02-02-2024</li> </ol>		
M.Phil. / Ph.D. Guide ship	Field	University	
	Chemistry	KITS	
Ph.D. Projects Guided	Ph.D.s -03 ongoing	Project at Master's Level	29
Professional Memberships	<ol style="list-style-type: none"> <li>1. Panel Member in the Interview Committee for the Selection of Asst. Professor in PSGR Krishnammal College for Women, Bharatiyar University, Coimbatore on 08-07-2016.</li> <li>2. Member in Nanoscience and Nanotechnology Society - Mahatma Gandhi University, Kottayam, Kerala.</li> <li>3. Board of Studies (BoS) member in the department of chemistry on 03-12-2016 in Jayaraj Annapackium College, Mother Teresa University, Periyakulam SST College, Pollachi on 26<sup>th</sup> May 2021.</li> <li>4. Examination Scrutiny- Dr.N.G.P College of Arts and Science, Coimbatore on 14-03-2020.</li> <li>5. BoS Member- Nehru College of Arts &amp; Science, Coimbatore.</li> <li>6. BoS Member Shree Venkateshwara High Tech Eng. College, Gopichettipalayam</li> </ol>		
Consultancy Activities	--		
Awards & Honours	<ol style="list-style-type: none"> <li>1. Best Teacher Award for the year 2012 in Karunya University</li> <li>2. Aqua Foundation Excellence Award for the year 2016 under the category of Development of Technology from Aqua Foundation, New Delhi..</li> <li>3. Achiever's Award 2016-17 from Karunya University for obtaining Funded project from the Ministry of Science and Technology (DST- WTI)</li> <li>4. Best Paper Award for the title "Performance Evaluation Of Electrodes TiO<sub>2</sub>/Zn By The Thermal Decomposition Of TiCl<sub>3</sub> And TTIP In The Treatment Of Textile Dyeing Wastewater By Electrocoagulation Process – A Comparative Study, International Conference on Wastewater Management - (ICWW-2017), 17 to 19th August 2017, Kumaraguru College of Technology, Coimbatore.</li> <li>5. 'Best Research Award' International Research Awards on New Science Inventions NESIN 2020 Awards, ScienceFather is a trademark of Scifax company (Reg. No. 130116), Approved and Registered by Ministry of Corporate Affairs (MCA), Govt. of India.</li> <li>6. Prominent Achiever's Award- Alumni 8<sup>th</sup> March 2023 Jeyaraj Annapackium College of Arts &amp; Science, Periyakulam.</li> </ol>		

Grants Fetched	<ol style="list-style-type: none"> <li>Rs 40,000/ under 'Karunya Seed Money Grant'- Photodegradation of organic dyestuff on the composite material of TiO<sub>2</sub>/cyclodextrin and carbon nanotubes.</li> <li>Project "A Novel TiO<sub>2</sub> coated Aluminium Electrode (TiO<sub>2</sub>/Al) for treatment of textile dyeing wastewater using real time controlled multichannel electrocoagulation process" of Rs 37,09, 600 Lakhs. DST/TM/WTI/2K16//237/(G) from May 2017 to April 2020.</li> <li>Establishment of Environmental Isotope Hydrology And Geochemistry Facility For Sustainable Water Management In Semi-Arid Region Of Peninsular India, FIST-DST 2023 1.38 C [TPN: 90663]</li> </ol>
Interaction with Professional Institutions	<ol style="list-style-type: none"> <li>Panel Member in the Interview Committee for the Selection of Asst. Professor in PSGR Krishnammal College for Women, Bharatiyar University, Coimbatore on 08-07-2016.\</li> <li>Member in Nanoscience and Nanotechnology Society - Mahatma Gandhi University, Kottayam, Kerala.</li> <li>Board of Studies (BoS) member in the department of chemistry on 03-12-2016 in Jayaraj Annapackium College, Mother Teresa University, Periyakulam SST College, Pollachi on 26<sup>th</sup> May 2021.</li> <li>Examination Scrutiny- Dr.N.G.P College of Arts and Science, Coimbatore on 14-03-2020.</li> <li>BoS Member- Nehru College of Arts &amp; Science, Coimbatore.</li> <li>BoS Member Shree Venkateshwara High Tech Eng. College, Gopichettipalayam</li> </ol>
Educational Details	<p>B.Sc. – Chemistry</p> <p>M.Sc. – Chemistry</p> <p>M.Phil. – Chemistry</p> <p>Ph.D. - Electroorganic Chemistry</p>
Experience	PDF: Nil
Contact Details	<p>Room No: SSAM 213</p> <p>Building: Arts and Sciences</p> <p>Mobile: 9787337589</p> <p>Intercom: 4482</p> <p>E-mail</p> <p>Webpage(if any)</p>
<p><b><u>Papers Published</u> : 29</b></p> <p><b><u>Papers Presented in Conference</u>: 40</b></p> <p><b><u>Patents</u>: Granted: 02, Published:01</b></p>	

**Books / Book Chapters : 04**

**Research Group Members:** 03 Ms. Jovitha Jane D, Sister. Sahaya Leenus and Mrs. Asath Murphy