


## Profile of the Faculty Member

<b>Name</b>	:	Dr. M. Chamundeeswari				
<b>Date of Birth</b>	:	21/10/1976				
<b>Unique id</b>	:	1456502521				
<b>Education Qualification (From higher Degree)</b>						
<b>Degree</b>	<b>Specialization</b>	<b>Year of Passing</b>	<b>University</b>	<b>Class Obtained</b>		
Ph. D.	Nanobiotechnology	2012	Anna University	-		
M.Tech.	Biotechnology	2004	Anna University	I Class with Distinction		
B.Pharm	Pharmaceutical Sciences	1999	Tamilnadu Dr.M.G.R. Medical University	I Class		
<b>Work Experience (From present work) Teaching / Research / Industry</b>						
<b>Name of the Institute / Industry</b>	<b>Designation</b>	<b>Date of Joining</b>	<b>Date of Relieving</b>	<b>No. of</b>		
				<b>Years</b>	<b>Months</b>	<b>Days</b>
St. Joseph's College of Engg.	Associate Professor	01.02.2010	-	15	2	0
St. Joseph's College of Engg.	Assistant Professor	01.06.2009	31.01.2010	0	8	0
St. Joseph's College of Engg.	Lecturer	02.06.2004	31.05.2009	5	0	0
MeyarRadhakrishnan College of Pharmacy	Lecturer	01.09.1999	23.01.2001	1	4	23
<b>Area of Specialization</b>		: Nanobiotechnology				
<b>Course taught at Under Graduate / Post Graduate (Last three years)</b>						
1. Genetic Engineering		5. Molecular Biology				
2. Advance Genetic Engineering		6. Tissue Engineering				
3. Biopharmaceutical Technology		7. Protein Engineering				
4. Biochemistry - I		8. Genomics and Proteomics				
<b>Research Guidance (count)</b>						
<b>Master</b>	: 8					
<b>Ph. D</b>	: 7 (Pursuing), 5(Completed)					
<b>Sponsored Projects</b>						
<b>Sl. No.</b>	<b>Project Title</b>	<b>Name of the agency</b>	<b>Duration</b>	<b>Amount Rs.</b>		
1.	Anticancer activity of multifunctional nanobiocomposites of L-asparaginase and metal nanoparticles(Co-PI)	Department of Biotechnology, Government of India.	2015-19	25,21,200		
2.	Carbon quantum dots from microalgae for organic dyes degradation in industrial waste Water – A novel approach	Department Science and Technology, Government of India.	2019-21	29,30,600		
3.	Team Coordinator for DST – FIST project implementation for Project titled as “Sustainable Nanomaterial Development for Futuristic Application” sponsored by DST, Jan' 2023	Department Science and Technology, Government of India.	2023-28	71,00,000		
4.	Microalgal cultivation utilizing sequestered CO2 from Plastic Biodegradation through soil	Department Science and Technology,	2024-27	19,01,880		

	microbiome incorporated Metal nanoparticles – A circular bioeconomic approach	Government of India.		
<b>Patent Published</b>				
Sl. No.	Title	Year of Registration	Year of Publication	Status
1.	Dr. M. Chamundeeswari, Ms. P. Kowsalya; Production of a Novel and Biocompatible Natural Quantum dot from Spirulina platensis for Bioimaging application.; Application No.202241027530	13/05/2022	27/05/2022	Granted
2.	Dr. M. Chamundeeswari, Ms. P. Kowsalya, Ms. S. Uma Bharathi; Eco-Smart Quantum Dots as Photo Catalyst for Industrial Dye Degradation - A Novel Approach. Filed on; Application No.202241021979	13/04/2022	13/04/2022	Granted
3.	Ms. Yuwvaranni.S, Dr. M. Chamundeeswari, Hemolytic Nature Of Green Synthesized Iron Nanoparticles against menstrual blood, Filed on, Application No. 202341023108	27/03/2023	21/04/2023	Published
4.	Ms.Preethy K R, Dr. M. Chamundeeswari "Contusion Dressing Sheet Formulation using unification of Glycoproteins and reduced Carbon Source" : Application No. 202341055930,	21/08/2023	23/09/2023	Published
5.	Dr. Preethy K R, Deno Petrecia P. Dr. M. Chamundeeswari, " Multimodality Superparamagnetic Graphene Composites Using An Eco Conscious Technology For Precision Nanomedicine Detection" Application no. 202341079499	23/11/2023	01/12/ 2023	Published
6.	Ms. Yuwvaranni, Catherin Jeni J, Nathiya s, Dr. M. Chamundeeswari, "Exploring The Health Benefits Of A Polyherbal-Infused Blue Tea: An Investigation Into Antioxidant, Anti-Cancer, Anti-Diabetic, And Antimicrobial Properties, Application No. 202441001811	10/01/2024	09/02/2024	Published
7.	Ms. Yuwvaranni.S, Ms.Hemavarshini.K, Ms. Sharmila.S, Dr. M. Chamundeeswari, Development Of Antimicrobial Boon In Antibiotic Resistance Era Using Plant Extract Of Terminalia Cat, Application No. 202441021023	20/03/2024	29/03/2024	Published
8.	Dr. Chamundeeswari, Arjun Sathish R Hemavarshini .R , Sucharita Nagesh , Smart Milk Analyzer: A Compact, Paper-Based Device for Rapid and	09/05/2025	30/05/2025	Published

	CostEffective Milk Quality Testing, Application No. 202541044828			
9.	Dr. Chamundeeswari, Gayathri R Dr.M.Barathi, An Eco-smart, Cost- effective and Non-invasive Saliva-based Diagnostic System for Helicobacter pylori - An Early Detection Screening Strategy, Application No. 202541050188	26/05/2025	6/6/2025	Published
<b>Technology Transfer</b>	<b>Name of the Technology</b>	<b>Collaboration with</b>		
01 (Under Process)	Carbon Quantum Dots from microalgae for Organic, Reactive and effluent dyes degradation - A Novel and Eco-friendly Approach	Dynamic Megaceutics		
<b>Research Publications (count)</b>	<b>National Conference</b>	<b>International Conference</b>	<b>National Journal</b>	<b>International Journal</b>
	20	28	2	45
<b>No. of Books Published with details</b>	-			
<b>No. Of Book Chapters</b>	17			