

<b>Name:</b> U. MANIKANDAN	<b>Photo</b> 			
<b>Designation:</b>	<b>Assistant Professor (Grade - III)</b>			
<b>Qualification:</b>	<i>M.Sc., M.Phil., SET Qualified, Ph.D (doing)</i>			
<b>Area of specialization:</b>	<i>Synthetic Organic Chemistry</i>			
<b>Experience:</b>	<b>Industrial Experience</b>		<b>Teaching Experience</b>	
	-		<b>13 Years 2 Months 8 Days</b>	
<b>Number of workshops / FDP attended:</b>	<b>Number of Workshops</b>		<b>Number of FDPs</b>	
	2			
<b>Publications:</b>	<b>Conference</b>		<b>Journal</b>	
	<b>National</b>	<b>International</b>	<b>National</b>	<b>International</b>
	-	-	-	<b>1</b>
<b>Books / Book Chapters</b>	-			
<b>Patents:</b>	<b>National</b>		<b>International</b>	
	-		-	
<b>Professional Body Membership</b>	<b>IEEE &amp; ISTE</b>			
<b>Staff Achievements</b>	<i>100 % results in Engineering Chemistry - I, Engineering Chemistry - II and Environmental science and Engineering.</i>			

## Educational Qualifications:

Category	Name of the Degree	Specialization	Year of Passing	Name of the College	Name of the University	% of Marks / Grades obtained	Class obtained
UG	B.Sc	Chemistry	2008	Rajah Serfoji Government College	Bharathidasan University	70.39%	I
PG	M.Sc	Chemistry	2010	School of chemistry	Bharathidasan University	6.71 CGPA	I
	M.Phil	Chemistry	2011	Loyola College	University of Madras	6.99 CGPA	I
Ph.D	Ph.D	Organic Chemistry	Doing	Sri Sairam Engineering College	Anna University		

## Academic Experience:

Name of the College	Designation	Joining Date	Relieving Date	Experience		
				Years	Months	Days
<i>New Prince Shri Bhavani College of Engineering &amp; Technology, Chennai.</i>	<i>Lecturer</i>	<i>14.10.2011</i>	<i>01.06.2012</i>	-	7	19
<i>Sri Sai Ram Engineering college, Chennai</i>	<i>Assistant Professor</i>	<i>02.06.2012</i>	<i>Till date</i>	12	6	19
<b>Total</b>				<b>13</b>	<b>2</b>	<b>8</b>

## Workshops/Seminars attended:

1. Workshop on "Probing electronic states in molecules and molecular materials" held on 24<sup>th</sup> – 27<sup>th</sup> September 2008.
2. Lecture workshop on "Frontiers in bioinorganic chemistry" held on 25<sup>th</sup> – 27<sup>th</sup> February 2010.
3. "Entrepreneurship summit – 2013" held on 8<sup>th</sup> – 10<sup>th</sup> January 2013.
4. National seminar on "Recent trends in laser spectroscopy and its applications" held on 17<sup>th</sup> October 2013.
5. National seminar on "Environmental issues and sustainable development" held on 11<sup>th</sup> – 12<sup>th</sup> November 2013.
6. National conference on "Current trends in energy conversion devices and environment" held on 22<sup>nd</sup> – 23<sup>rd</sup> February 2019.

**FDP/STTP Attended:**

1. Faculty development program on "Stress management" held on 8<sup>th</sup> -9<sup>th</sup> May 2019.
2. Faculty development training program on "Student induction program (level – 0)" held on 13<sup>th</sup> -15<sup>th</sup> May 2019 at CEG Campus, Anna University.
3. Faculty development training program on "Student induction program (level – 1)" held on 10<sup>th</sup> -16<sup>th</sup> June 2019 at CEG Campus, Anna University.
4. Faculty development training program on "Student induction program (level – 2)" held on 15<sup>th</sup> -17<sup>th</sup> November 2019 at IIT Hyderabad.
5. Faculty development training program on "Student induction program (Online)" held on 26<sup>th</sup> -30<sup>th</sup> October 2020 conducted by AICTE.
6. Faculty development training program on "Productivity enhancement" held on 3<sup>rd</sup> – 7<sup>th</sup> November 2020 at NIT Warangal (Online)
7. Faculty development training program on "Leadership & Excellence" held on 23<sup>rd</sup> – 27<sup>th</sup> November 2020 at NIT Tiruchirappalli (Online)
8. Faculty Empowerment program on "Tamils and Technology" held on 20<sup>th</sup> - 25<sup>th</sup> March 2023 at Anna University, Chennai.
9. Faculty development training program on "Organic Chemistry in Biology and Drug Development", Jul-Oct 2023.
10. Faculty development training program on "Transition Metal Organometallic Chemistry: Principles to Applications", Jul-Oct 2023.
11. Faculty development training program on "Air Pollution and Control", Jan - Apr 2024.
12. Professional development program on "Energy and Environmental Management" held on 10<sup>th</sup> - 14<sup>th</sup> June 2024 at NITTTR, Chennai (Online).
13. Faculty development training program on "Recent Advancements in Chemistry" held on 24<sup>th</sup> - 29<sup>th</sup> June 2024 at Easwari Engineering College (Online).

Symposium Attended:

Conference Attended:

Completed / Ongoing Projects:

Patent:

**Journal Publications:**

1. Jeya Rajendran, T. Lekshmana Thanulingam, A. Meisudar and **U. Manikandan**, "Decomposition Kinetics of Pyrotechnic Mixture from Sound-Producing Fire Crackers", Journal of Pyrotechnics, Issue 31, 2012, pp. 34 - 48.

Books / Book Chapters: NIL

Awards: NIL

Startup: NIL

Webinar: NIL

Resource Person: NIL

**Online Courses:**

1. *Cognitive Class: Big Data, 3<sup>rd</sup> April 2020.*
2. *Coursera: Introduction to Molecular spectroscopy, 12<sup>th</sup> May 2020.*
3. *Coursera: Covid 19 - What you need to know, 17<sup>th</sup> May 2020.*
4. *Coursera: The Sustainable development Goals – A global, trans disciplinary vision for the future, 31<sup>st</sup> July 2020.*

**NITTTR Courses completed List:**

1. *Module: 1 - Orientation towards Technical Education and Curriculum Aspects, February 2023.*
2. *Module: 2 - Professional Ethics & Sustainability, February 2023.*
3. *Module: 3 - Communication Skills, Modes and Knowledge Dissemination, September 2021.*
4. *Module: 4 - Instructional Planning and Delivery, February 2023.*
5. *Module: 5 - Technology Enabled Learning & Life Long Self Learning, July 2022.*
6. *Module: 6 - Student Assessment and Evaluation, February 2023.*
7. *Module: 7 - Creative Problem Solving, Innovation and Meaningful R&D, February 2023.*
8. *Module: 8 - Institutional Management & Administrative Procedures, February 2023.*

**NPTEL Courses completed List:**

1. *Organic Chemistry in Biology and Drug Development, Jul-Oct 2023.*
2. *Transition Metal Organometallic Chemistry: Principles to Applications, Jul-Oct 2023.*
3. *Introduction to Environmental Engineering and Science - Fundamentals and Sustainability Concepts, Jan - Apr 2024.*
4. *Air Pollution and Control with FDP, Jan - Apr 2024. (Gold with top 1%)*
5. *Sustainable Engineering Concepts and Life Cycle Analysis with FDP, July - September 2024.*
6. *Environmental Science, July - October 2024.*
7. *Waste Water Treatment and Recycling with FDP, July - October 2024.*
8. *Principles of Organic Synthesis with FDP, July - October 2024.*

