

Name: U. MANIKANDAN	Photo 			
Designation:	Assistant Professor			
Qualification:	M.Sc., M.Phil., SET Qualified, Ph.D (doing)			
Area of specialization:	Synthetic Organic Chemistry			
Experience:	Industrial Experience		Teaching Experience	
	-		14 Years 4 Months 3 Days	
Number of workshops / FDP attended:	Number of Workshops		Number of FDPs	
	6		18	
Publications:	Conference		Journal	
	National	International	National	International
	1	-	-	1
Books / Book Chapters	-			
Patents:	National		International	
	-		-	
Professional Body Membership	IEEE & ISTE			
Staff Achievements	100 % results in Engineering Chemistry - I, Engineering Chemistry - II and Environmental science and Engineering.			

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
New Prince Shri Bhavani College of Engineering & Technology, Chennai.	Lecturer	14.10.2011	01.06.2012	-	7	19
Sri Sai Ram Engineering College, Chennai	Assistant Professor	02.06.2012	Till date	13	8	14
Total				14	4	3

Workshops/Seminars attended:

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

FDP/STTP Attended:

1. Faculty development program on “Stress management” held on 8th -9th May 2019.
2. Faculty development training program on “Student induction program (level – 0)” held on 13th - 15th May 2019 at CEG Campus, Anna University.
3. Faculty development training program on “Student induction program (level – 1)” held on 10th - 16th June 2019 at CEG Campus, Anna University.
4. Faculty development training program on “Student induction program (level – 2)” held on 15th - 17th November 2019 at IIIT Hyderabad.
5. Faculty development training program on “Student induction program (Online)” held on 26th -30th October 2020 conducted by AICTE.
6. Faculty development training program on “Productivity enhancement” held on 3rd – 7th November 2020 at NIT Warangal (Online)
7. Faculty development training program on “Leadership & Excellence” held on 23rd – 27th November 2020 at NIT Tiruchirappalli (Online)
8. Faculty Empowerment program on “Tamils and Technology” held on 20th - 25th 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 10th - 14th June 2024 at NITTTR, Chennai (Online).
13. Faculty development training program on “Recent Advancements in Chemistry” held on 24th - 29th June 2024 at Easwari Engineering College (Online).
14. Faculty development training program on “Sustainable Engineering Concepts and Life Cycle Analysis”, July - September 2024.
15. Faculty development training program on “Waste Water Treatment and Recycling”, July - October 2024.
16. Faculty development training program on “Principles of Organic Synthesis”, July - October 2024.
17. Faculty development training program on “Applied Environmental Microbiology”, Jan - April

2025.

18. Faculty development training program on “Integrated Waste Management for a Smart City”, July - October 2025.

Symposium Attended:

Conference Attended:

1. Participated as oral presenter in International Conference on “Material Innovations for Health, Environment and Energy” organized by the Department of Chemistry, Easwari Engineering College, Chennai on 23rd & 24th September 2025.

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, 3rd April 2020.
2. Coursera: Introduction to Molecular spectroscopy, 12th May 2020.
3. Coursera: Covid 19 - What you need to know, 17th May 2020.
4. Coursera: The Sustainable development Goals – A global, trans disciplinary vision for the future, 31st 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.
9. Applied Environmental Microbiology with FDP, Jan - April 2025.
10. Integrated Waste Management for a Smart City with FDP, July - October 2025.

NPTEL Star Certificates:

1. NPTEL BELIEVERS, July - December 2024.
2. NPTEL MOTIVATED LEARNERS, January - April 2025.
3. NPTEL DISCIPLINE STARS, July - December 2025.
4. NPTEL DOMAIN SCHOLARS, July - December 2025.