

# Faculty Profile



**Dr. P. Senthilkumar, M.E., Ph.D**  
Associate Professor – Chemical Engineering

## **HIGHLIGHTS:**

- Number of Journal Publications: 23
- H-Index: 12
- Patents Published: 01

## **PROFESSIONAL LINKS:**

- Scopus ID: 57195213840
- Scopus Link: <https://www.scopus.com/authid/detail.uri?authorId=57195213840>
- Google Scholar ID: pwN1PEAAAAAJ
- Anna University Faculty ID: 259910
- AICTE Faculty ID: 1-3798150544
- LinkedIn: <https://www.linkedin.com/in/senthilkumar-pachiyappan-78a4966/>

## **PROFESSIONAL BACKGROUND:**

- Teaching Experience till date: 18 years 7 months

## **AREA OF SPECIALIZATION:**

- Chemical Reaction Engineering
- Green Energy
- Data Science
- Artificial Intelligence

## **PATENTS PUBLISHED/GRANTED:**

- Co-inventor of the patent titled "*Eine elektromagnetische Reaktorvorrichtung*" (*An Electromagnetic Reactor Device*), registered under Patent Number Nr. 20 2023 100 372 in Germany (Bundesrepublik Deutschland). The patent was filed on 27th January 2023 and officially registered on 10th February 2023.

## **COURSES CERTIFIED:**

- Currently pursuing the AICTE-QIP-PG Certificate Programme on Artificial Intelligence & Data Science offered by IIIT Kottayam, to be completed by December 2024.

## **CONFERENCES/SEMINARS/WORKSHOPS ATTENDED:**

- Online Faculty Development Program on “Process Instrumentation, Dynamics and Control” organized by Department of Petrochemical Engineering, RVS College of Engineering & Technology between 22<sup>nd</sup> August 2022 to 28<sup>th</sup> August 2022.
- Online webinar on “Lipid Extraction from Microalgae for Biofuel Production” on 23<sup>rd</sup> July 2020, organized by Centre for Waste Management, Sathyabama Institute of Science and Technology, Chennai.
- GIAN course on “Co-Product Recovery from Existing and Future Bio-Refineries” during 17<sup>th</sup> – 21<sup>st</sup> December 2018 at National Institute of Karnataka, Surathkal.
- International Conference on “Biological Applications of Nanoparticles” on 4<sup>th</sup> and 5<sup>th</sup> December 2017, organized by Indian Institute of Technology, Chennai.
- GIAN course on “Modern Perspectives on Renewable Energy and Biorefinery” during 6<sup>th</sup> – 10<sup>th</sup> November 2017 at National Institute of Karnataka, Surathkal.
- 2<sup>nd</sup> International Conference on “Sustainable Practices in Civil Engineering” on 10<sup>th</sup> and 11<sup>th</sup> April 2017, organized by KPR Institute of Engineering and Technology, Coimbatore.
- National Workshop on “Future Research Endeavors in Geotechnical, Environmental and Water Resources Engineering” organized by Department of Civil Engineering, Sathyabama University, Chennai on 14<sup>th</sup> and 15<sup>th</sup> March 2017.
- “National Conference on Applied Science and Engineering for Health and Environment – NASHE’17” on 23<sup>rd</sup> and 24<sup>th</sup> February 2017, conducted by Department of Biotechnology, Sathyabama University, Chennai.
- Faculty development program on “Modern Separation Process in Environmental Applications (MSPEA)” organized by Department of Chemical Engineering, SSN College of Engineering, Chennai during 12 – 19 December 2016.
- Faculty development program on “Creativity & Innovation” on 5<sup>th</sup> September 2013, organized by Cognizant Technology Solutions, Chennai.
- Faculty development program on “Computer Applications in Chemical & Biological Engineering” during 13-18, June 2011, by Department of Chemical Engineering, National Institute of Technology, Calicut.

- National Workshop on “Fuel Cell Technology” during 11-12, June 2011 conducted by Department of Mechanical, National Institute of Technology, Calicut.
- “Microplexus 2010 – Hidden Treasures of Microbial World”, the 8<sup>th</sup> Annual Conference of Indian Association of Applied Microbiologists, on 24<sup>th</sup> and 25<sup>th</sup> September 2010, held at Department of Biotechnology, Bharathidasan University, Tiruchirappalli.
- “Popular Lecture Series for Popularization of Biotechnology” on 17-18, July 2009 by Centre for Ocean Research, Sathyabama University, sponsored by Department of Biotechnology, Government of India.
- “Recent Trends in the Application of Chemical Engineering Principles in Food Processing Technology” on 20-21, March 2009 conducted by Department of Chemical Engineering, Faculty of Engineering and Technology, Annamalai University, Tamilnadu.
- “Environmental Awareness and Pollution Impacts” on 27, November 2004 by Centre for Energy & Environmental Science and Technology, National Institute of Technology, Trichy,