

Kings College of Engineering

Department of Mechanical Engineering

Name: Mr. M.SAKTHIVEL	
Designation:	Assistant Professor
Qualification:	B.E., M.E., (Ph.D).,
Area of Specialization:	Metal Joining Processes and Composite Materials
Experience:	Teaching: UG: 9 Years
	Industry: ---
No. of workshop/Conferences/FDP attended:	4
Publication:	Journal National : NIL International : 1
	Conference National : 1 International: 5
Membership:	---
Achievements :	---

Publications

Journals

1. S. Nelson Raja, K. Vadivel, S. Sabanayagam & **M. Sakthivel**, "Evaluation on Mechanical Properties of NaturalFiber Based Epoxy Resin Composites" International Journal for Research in Applied Science & Engineering Technology (IJRASET), Volume 11 Issue IV Apr 2023.

National Conferences

1. S. Nelson Raja, S. Sabanayagam, **M. Sakthivel** & R. Rajadurai "Experimental Investigation on Physical and Morphological Properties of Al7075 Reinforced Hybrid Metal Matrix Composites", National Conference on Emerging Trends in Engineering and Technology (ETET 2024), ISBN – 978-93-91977-49-8, organized by NIT, Pondicherry on 15.02.24 to 16.02.24.

International Conferences

1. **S. Nelson Raja**, R. Elanthendral, R. Madhan, K. Sathish&K. Suresh, "Synthesis and Property Evaluation of Magnesium Based Hybrid Composite for Industrial Applications" International Conference on Sustainable Technologies in Engineering & Sciences (ICSTES – 2025) 08th & 09th May, 2025.
2. S. Nelson Raja & **M. Sakthivel** "Workability and Corrosion Behavior Studies on SinteredIron Based Hybrid Powder Metallurgy Alloys" International Conference on Sustainable Technologies in Engineering & Sciences (ICSTES – 2025) 08th & 09th May, 2025.
3. **M. Sakthivel** & S. Nelson Raja "Sustainable Materials for Emerging Applications: Natural Fiber-Reinforced Composites" International Conference on Sustainable Technologies in Engineering & Sciences (ICSTES – 2025) 08th & 09th May, 2025.
4. **M. Sakthivel** & S. Nelson Raja "Investigation of Corrosion Characteristics in Friction Stir Welded Dissimilar Joints across Various Testing Environments" International Conference on Sustainable Technologies in Engineering & Sciences (ICSTES – 2025) 08th& 09th May, 2025.
5. Jegan Krishnan, SabanayagamSundaram, Nelson Raja Selvaraj & **SakthivelMathiyazhagan** "Oxidation Behavior of Plasma Sprayed IN625 Coating on SS304 for Boiler Environment" 6th International Conference 2024 on Emerging Trends in Management, Education, Engineering, Science and Technology (ICETMEEST-2024), February 22nd & 23rd 2024.

FDP / Workshop / STTP / Seminar / Webinar Attended

FDPs

1. Attended Six days FDP on "Defensive AI: Machine Learning in Cyber Security" Organized by Mount Zion College of Engineering and Technology Associated with ATAL during 07.07.2025 to 12.07.2025.
2. Attended Five days FDP on "Cutting Edge Research in Mechanical Engineering" organized by Ashoka Women's Engineering College, Kurnool during 04.07.2025 to 18.07.2025.

3. Attended Five Days online Faculty Development Programme on "Recent Innovations in Mechanical Engineering" organized by Department of Mechanical Engineering, St.Joseph's College of Engineering and Technology, A.S.Nagar, Elupatti, Thanjavur from 16 Sep 2024 to 21 Sep 2024.
4. Attended Six Days online Faculty Development Programme on "Six Day Online International Faculty Development Program on Additive Manufacturing Advancements in Different Applications (AMADA-24)" organized by the Department of Mechanical Engineering, SRM Institute of Science and Technology, Ramapuram Campus, Chennai-89, during 21st to 26th October 2024.
5. Attended One Day Faculty Development Programme on "Outcome Based Education" organized by the IQAC, Kings College of Engineering (Autonomous), Punalkulam on 27.08.2024.
6. Attended Six Days online Faculty Development Programme on "Six Day Online International Faculty Development Program on "Progress in Mechanical Engineering" organized by the Department of Mechanical Engineering, SRM Institute of Science and Technology, Ramapuram Campus, Chennai during 14th to 19th October 2024.
7. Attended Six days Online Faculty Development Program on "Additive Manufacturing Advancements in Different Applications" organized by the Department of Mechanical Engineering, SRM Institute of Science and Technology, Ramapuram from 26th to 31st December 2023.
8. Attended FDP on "Recent Advancement in Materials, Manufacturing and Technology" organized by Swarnandhra College of Engineering and Technology on 30.10.2023 to 04.11.2023.

Workshop

1. Attended One day Workshop on "Modeling & Simulation of an Open ECU Engine for Biofuel Blends" Organized by School of Mechanical Engineering, SASTRA Deemed University, Thanjavur supported by SERB-ANRF on 15 May 2025.
2. Attended All India Workshop on "Recent Advances in Functional Nanomaterials" Organized by Institution of Engineers (India), Tiruchirappalli Local Center under aegis of Mechanical Engineering Division Board, IEI in association with K.Ramakrishnan College of Engineering, Tiruchirappalli on 30 Apr 2025.
3. Attended Two days Workshop on "Recent Development in Additive Manufacturing Processes" organized by K Ramakrishna College of Engineering, Trichy during 24.05.2024 to 25.05.2024.

Seminar / Webinar

1. Attended a One day Webinar on "Navigate the World of Scientific Writing: from Manuscript Structure to Publication" organized by Springer Nature on 15.05.2025.
2. Attended a national level capacity building programme on "AI Tools for Research" organized by ACT Academy Kerala associated with Sri Krishna Adithya College of Arts and Science, Coimbatore on 29.06.2025.

3. Attended Webinar on “Awareness Program on 5-S” organized by SRM Madurai College of Engineering and Technology- Madurai on 30.03.2024.
4. Attended webinar on “Intellectual property Awareness Program” organized by NIPAM, Kolkatta during 26.09.23.
5. Attended webinar on “Sustainable Development Food and Nutritional Security for Zero Hunger” organized by Excel Engineering College, Namakkal during 23.09.23.