

Faculty Profile

1. Name : Saravanan. N
2. Designation : Associate Professor
3. Date of Joining : 01.06.2006
4. Nature of Association : Regular
5. E mail : saranvimal@gmail.com
6. Mobile no. : +91 9842080993
7. **Academic Qualifications :**



Course	Name of the Institution / University	Year of Passing	% of Marks	Class
Ph.D (Composite Materials)	Anna university- Chennai, India	November 2018	-	-
M.E., (CAD/CAM)	Anna university- Chennai, India	June 2005	75(With Distinction)	First
B.E. (Mech)	Bharathiyar University, Coimbatore ,India	October 2002	68	Second
H.S.C.	Government Boys higher Secondary School, Perundurai,Erode,India	April 1997	72	First
S.S.L.C.	Government Higher Secondary School, Thuduppathi ,Erode, India	March 1995	78	First

8. Teaching Experience

- **Associate Professor**, K.S.R. College of Engineering, Tiruchengode, from 01.06.2018 to till-date.
- **Assistant Professor**, K.S.R. College of Engineering, Tiruchengode, from 01.06.2010 to 31.05.2018.
- **Senior Lecturer**, K.S. Rangasamy College of Technology, Tiruchengode, from 01.06.2009 to 31.05.2010.
- **Lecturer**, K.S. Rangasamy College of Technology, Tiruchengode, from 01.06.2006 to 31.05.2009.
- **Lecturer**, MPNMJ Engineering College, Chennimalai, from 06.07.2005 to 31.05.2006.

9. Projects

Under Graduate

- **Title:** “Decision Support System for Manufacturing”

Post Graduate

- **Title:** “Minimising Energy Consumption in Compressed Air Supply System”

Ph. D

- **Thesis title:** “Studies on Characterization of Surface Treated Lagenaria Siceraria Fiber and its Reinforcement Effect on Epoxy Composites”

10. Publications

International Journals

1. **N Saravanan**, P.S.Sampath and T.A.Sukantha, Surface modification of eco-friendly ligno-cellulosic fiber extracted from Lagenaria siceraria plant agro waste: a sustainable approach, (2018), *International Journal of Environment and Sustainable Development*, Vol. 17, No. 4, pp. 366-378. **Impact Factor:** 0.367 (SCI).
2. **N Saravanan** and P.S.Sampath , Characterization of New Cellulose Fiber from the Molina (Lagenaria Siceraria) Plant, (2018), *Journal of Applied Research and Technology*, Vol. 16, No. 3, pp. 204-210.
3. **N Saravanan** and T Rmesharavind, Guidelines to Implementation of Health and Safety Management System Through OHSAS, (2018), *International Journal for Research & Development in Technology*, Vol. 09, No. 4, pp. 659-664.
4. **N Saravanan**, P.S.Sampath,T.A.Sukantha and T.Natarajan, Extraction and Characterization of New Cellulose Fiber from the Agro waste of Lagenaria Siceraria (Bottle Guard) Plant, (2016), *Journal of Advances in Chemistry*, Vol. 12, No. 9, pp. 4382-4388.
5. **N Saravanan**, P.S.Sampath and P.Muthukumar Pineapple leaf fiber reinforced polymer composite as a replacement for abs plastics in industrial safety helmet shell - A review, (2015), *International Journal of Software & Hardware Research in Engineering*, Vol.3, No. 4, pp. 36-46.
6. **N Saravanan**,and S.Deenadhayalan, Assessing The Workplace Risk In Food Industry, (2019), *International Research Journal of Engineering and Technology (IRJET)*, Vol.6, No. 4, pp. 3605-3610.

International Conferences

- 1.**Saravanan**, Analyzing The Damping of Turning Tool Made of Composite Materials, *Recent Trends in Science, Engineering and Technology*, ISTE Chapter, Erode Sengunthar Engineering College Thuduppathi, Erode-638 057, India, 14 Nov 2005.
- 2.**Saravanan**, Minimising Energy Consumption in Compressed Air Supply System, *Globally Competitive Ecofriendly Technologies in Mechanical & Mechatronics Engg.*, Dept. of Mechanical & Mechatronics Engineering, Kongu Engineering College, Perundurai, India, 15th and 16th April 2005.
- 3.**Saravanan**, Energy Conservation in Air Compressors & Compressed Air Supply System, Engineering Trends in Mechanical Engineering – ERTMECON-2k5, Dept. of

Mechanical Engineering, Jayam College of Engineering & Technology, Dharmapuri, India, 11 April 2005.

4.**Saravanan**, Minimizing Energy Consumption in Pneumatic Actuators, National Conference on Mechanical Engineering Research – NCMER-2005, Bharath Institute of Science & Technology, Selaiyur, Chennai., India, 28 Feb 2005.

5.**Saravanan**, Mechanical Properties of Pineapple Leaf Fiber Reinforced Epoxy Composites, Intelligent Manufacturing Systems – NCIMS 2011, Dept. of Mechanical Engineering, Hindustan College Engineering and Technology, Coimbatore-641 032, India, 3 – 4 March 2011.

6.**Saravanan**, Risk Analysis in Textile Industry, TAME-2013, Selvam College of Technology, Namakkal-637003, India, 08th and 9th Feb'2013.

7.**Saravanan**, Analysis of Risk in Textile Industry, Recent Trends in Mechatronics and Industrial Safety Engineering Department of Mechatronics Engineering, K.S. Rangasamy College of Technology, Tiruchengode, India, 10th April 2013.

8.**Saravanan**, Mechanical Properties of PALF Reinforced Composite Materials, Department of Mechatronics Engineering, K.S. Rangasamy College of Technology, Tiruchengode, India, 25th March 2014.

9.**Saravanan**, Risk Assessment and Fire Escape Plan in Manufacturing Industries, Recent Trends in Mechatronics and Industrial Safety Engineering Department of Mechatronics Engineering, K.S. Rangasamy College of Technology, Tiruchengode, India, 25th March 2014.

10.**Saravanan**, Power Generation Using Bio -Gas, Recent Trends in Mechatronics and Industrial Safety Engineering Department of Mechatronics Engineering, K.S. Rangasamy College of Technology, Tiruchengode, India, 24th March 2015.

11.**Saravanan**, Influence on Fiber Parameters on Mechanical Properties of Natural Fiber Reinforced Polymer Composites., Recent Trends in Mechatronics and Industrial Safety Engineering Department of Mechatronics Engineering, K.S. Rangasamy College of Technology, Tiruchengode, India, 25th March 2015.

12.**Saravanan**, Design and Development of Industrial Safety Helmet Shell by Using Pineapple Leaf Fiber Reinforced Polymer Composites, Recent Trends in Mechatronics and Industrial Safety Engineering Department of Mechatronics Engineering, K.S. Rangasamy College of Technology, Tiruchengode, India, 25th March 2015.

Summer Training Programmes

- Attended Workshop from 02.05.2016 to 10.08.2016 on **Engineering mechanics** at K.S. Rangasamy College Technology and jointly organized by ISTE.
- Attended FDP on **Use of ICT in education for online and blended learning**, organized by K.S. Rangasamy College Technology and AICTE from 02/05/2016 to 10/08/2016.
- Participated Workshop on, Modeling & Analysis of future virtual factories using witness at PSG College of Technology, organized by Department of Mechanical Engineering, India Soft Technologies (P) Ltd Pune from 06.03.2016 to 07.03.2016.

- Attended a Training Course on Communicative English organized by Col's Calibre Educational Innovators (P) Ltd from 06.10.2018 to 27.11.2018.
- Attended a Seminar on Emphasis on Fluid Power Systems at low cost automation for textile Industries organized by K.S. Rangasamy College Technology & AICTE from 30.01.2009 to 31.01.2009.
- Participated a Seminar on Smart Materials in Industrial Automation organized by K.S. Rangasamy College Technology & DST from 24.03.2009 to 25.03.2009. Participated an FDP on "PEDAGOGY & Faculty Development New Vistas" organized by Erode Sengunthar Engineering College Thuduppathi, Erode on 05 .11.2005.
- Attended a Quality Improvement Programme on Instructional design and Delivery organized by KSR College of Engg. and National Institute of Technology, Teacher Training & Research Chennai, MHRD Govt. of India, from 19.06.2006 to 24.06.2006.
- Attended a Workshop on Emerging Trends in Materials & Manufacturing organized by St. Joseph's College of Engineering, Chennai, on 01.08.2005.
- Participated a Short Term Training Programme on PRO/E Modelling & Assembly organized by Kongu Engineering College, Perundurai, from 16.03.2004 to 30.03.2004.
- Attended a Workshop on Automotive Electronics, organized by K.S. Rangasamy College Technology, from 22.09.2006 to 23.09.2006.
- Participated a Workshop on Graphical system design using LabVIEW organized by K.S. Rangasamy College Technology and National Instruments from 25 .02.2014 to 26 .02. 2014.
- Attended a Seminar on Recent Trends in Auto Mechatronics organized by K.S. Rangasamy College Technology, Tiruchengode on 18 .02.2014.
- Participated a Workshop on Exploring the advances in Digital Product Design, Simulation and manufacturing organized by Bannari Amman institute of Technology, sathyamangalam-638401 from 15.03.2006 to 16.03.2006.
- Attended a Seminar on Challenges in Bio Compatibility of Implantable Materials and Mechanical Behavior organized by DST-SERB and Nandha Engineering College, Erode-638052. from 19.09.2014 to 20.09.2014.
- Attended a Seminar on "Biodegradable Materials", organized by AICTE and Nandha Engineering College, Erode-638052, from 15.11.2013 to 16.11.2013.
- Attended a Seminar on Research Writing, organized by M. Kumarasamy College of Engineering, Karur -639113 on 17.08.2013.
- Participated a Workshop on Writing Research Papers, Plagiarism and Citation Analysis, organized by Society for Advancement of Library and Information science(SALIS) and K.S. Rangasamy College Technology on 26.06.2015.

- Attended an AICTE-FDP on Use of ICT in education for online and blended learning National Mission Education through ICT(MHRD) organized by K.S. Rangasamy College Technology, Tiruchengode from 02.05.2016 to 10.07.2016.
- Participated a Workshop On Engineering Mechanics National Mission Education through ICT(MHRD)-IIT, Bombay from 26.11.2013 to 06.12.2013.
- Participated a Workshop On Journal Paper Writing and Preparation of Winner Research Proposal, K.S. Rangasamy College Technology, Tiruchengode on K.S. R College of Engineering, Tiruchengode, from 19.08.2015 to 20.08.2015.
- Attended a Workshop on 'A Search for Research', at Kalaivani College of Technology, Coimbatore-641105 on 12.01.2012.
- Participated a Technical Seminar on 'Research and Career Opportunities in Welding and Non Destructive Testing', Organized by Metal Joining Research Institute and Sri Ramakrishna Engineering College, Coimbatore, on 05.03.2010.
- Attended an FDTP on 'Composite Materials Technology', Organized by Madras Institute of Technology, Chennai from 06.12.2010 to 12.12.2010.
- Attended a Seminar on,' Intelligent Under Water Autonomous Robots for Ocean Monitoring', Organized by Ministry of Earth Sciences(MoES) and K.S. Rangasamy College Technology, Tiruchengode, from 03 .05.2011 to 04.05.2011.
- Attended a Seminar on Mechatronics Based Instrumentation for Manufacturing Automation, Organized by, Council of scientific and Industrial research(CSIR) and K.S. Rangasamy College Technology, Tiruchengode, from 12.11.2009 to 13.11.2009.
- Attended a Seminar on 'Emerging Application of Nano Fluid in mechanical engineering', Organized by, CSIR and K.S. Rangasamy College Technology, Tiruchengode, from 15.03.2011 to 16.03.2011.
- Attended a Seminar on, 'Micro Mechatronics-with Special Emphasis to medical Applications', Organized by CSIR and K.S. Rangasamy College Technology, Tiruchengode on 01.10.2008.
- Attended a Seminar on, 'Recent Advancement in industrial automation', Organized by CSIR and K.S. Rangasamy College Technology, Tiruchengode, from 25.11.2009 to 26.11.2009.
- Participated an Annual Convention on, 'Emerging Trends in Engineering Education-Indian Perspective, Organized by ISTE and K.S. Rangasamy College Technology, Tiruchengode from 29.10.2010 to 30.10.2010.
- Participated a Seminar on, 'Advanced Applications of Polymer Nano Composites in Aerospace and Defence Industry', Organized by CSIR and K.S. Rangasamy College Technology, Tiruchengode, from 20.01.2012 to 21.10.2012.

- Attended a Seminar on, ‘Smart Sensors in Under Water Autonomous Robots’, Organized by DRDO and K.S. Rangasamy College Technology, Tiruchengode, from. 05.03.2010 to 06.03.2010.
- Attended a Seminar on, ‘Computational Intelligent Techniques of Machine Vision System at Low Cost Automation for Manufacturing Industries’, Organized by K.S. Rangasamy College Technology, Tiruchengode from 22.06.2010 to 23.06.2010.

11. Invited Lecture Delivered

Acted as a Jury for Project Expo 2017 at KSR Institute for Engineering and Technology, Tiruchengode on 20.3.2017.

12. Membership in Professional Bodies

- **Life Member** in Indian Society for Technical Education (ISTE), New Delhi – LM54071.
- **Life Member** in Indian Institute of Production Engineers(IIPE), Bengaluru – SM2772.

13. Awards and Recognitions

Achieved 100% results in more than 10 subjects in Anna University and K.S. Rangasamy College of Technology, Autonomous Examinations.

14. Resrach Activities

- Completed **Ph.D. in 2018**.
- Total **Citations: 1, h – Index: 1, i10 Index: 0**
- **Area of Expertise/Research Interests**
 - Evaluation of Physical,Chemical,Mechanical,Thermal, Tribological Properties of Natural Fiber Composites and Metal Matrix Composite Materials.
- **Reviewer** for Journal of Advances in Chemistry
- **Editorial Board Member** for International Journal of Research in Engineering and Management – IJREM.

15. Personal Details

Fathers Name : R.Nagappan

Date of Birth & Age : 30.07.1980 & 39 Years

Gender : Male

Marital Status : Married

Permanent Address : 1/57, Rakkiyalalayam,Palakkarai(post),
Perundurai(Taluk),
Erode(Dist)-638057
Tamilnadu, India.