



Sri SAI RAM INSTITUTE OF TECHNOLOGY

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DEPARTMENT OF MECHANICAL ENGINEERING

Name : **P. Nantha kumar**

Designation : Assistant Professor

Email : nanthakumar.mech@sairamit.edu.in

Qualification : ME, (PhD)

Specialization : Manufacturing

Research Interest : Alternate materials, Renewable energy

Experience in years : **16 yrs Teaching** UG PG Industry

No. of Workshop/Conferences/
FDP attended : Workshop Conferences FDP

No. of Workshop/Conferences/
FDP Organized : Workshop Conferences FDP



Professional Affiliations	ISTE
Publications	National : 02
	International: 05
	Book : NIL
Research Funded Projects	Nil
Patents	Nil
Achievements	Awards and Recognitions <ul style="list-style-type: none"> Awarded for producing 100 % result Guest Lecture coordinator for the department
Any Other Information	<ul style="list-style-type: none"> Acted as Industrial Visit coordinator

List of Publications:-

(i) International Journal:

1. **Nantha Kumar. P., Rajadurai. A., Muthuramalingam. T.:** Dynamic mechanical behaviour of sub micron size fly ash particles filled polyester resin composites. **In book: Advances in Materials and Metallurgy.** September 2019
2. **Nantha Kumar. P., Rajadurai. A., Muthuramalingam. T.:** Thermal and mechanical behaviour of sub micron sized fly ash reinforced polyester resin composite. *Mater. Res. Express* 5 (2018) 045303
3. **Nantha kumar. P, Rajadurai. A, Muthuramalingam. T.** “Multi Response Optimization on Mechanical Properties of Silica Fly Ash Filled Polyester Composites Using Taguchi-Grey Relational Analysis”, *SILICON* (2018), 10:1723–1729, (DOI: 10.1007/s12633-017-9660-8)
4. **Nantha Kumar. P , Nagappan. V, Karthikeyan. C,** “Effects of Fly Ash, Calcium Carbonate Fillers on Mechanical, Moisture Absorption Properties in Poly Vinyl Chloride Resin”, *Materials Today Proceedings*
5. **Nantha kumar. P, Rajadurai. A ,** “Effect of carbon fibre, silica and fly ash particulate addition on tensile and impact behavior of polyester and epoxy resin”, *Applied Mechanics and Materials*, Vol. 592-594, 2014, pp 186-191.

(ii) National Journal:

1. **Kasi. T, Nantha kumar. P, Rajadurai. A** “Fabrication and Testing of Fly Ash filled epoxy resin composite”, 4th National Conference on Advances in Mechanical Engineering (NCAME), Sri Balaji Chockalingam Engineering College, Arni, Tamil Nadu, 2014, pp 174-177.
2. **Nantha kumar.P. Rajadurai. A,** “Effect of assorted fly ash filler on tensile and flexural behaviours in carbon fibre mat reinforced plastics”, *Advances in Materials Design and Manufacturing (AMDM) - 2013*, B.S.Abdur Rahman University, pp D 45-50.

Workshop / Conferences / FDP Attended:-

1. Attended One day workshop “GEO POLYMER COMPOSITES” at Annamalai University on May 2010
2. Attended One day national workshop on “COMPOSITE MATERIALS” at Velammal Engineering College on Apr 2011
3. Attended 2 days short term course on NEW MATERIALS CHARACTERIZATION AND APPLICATION, at MIT, Chrompet on 13, 14 OCT 2015.
4. Attended one day workshop on RECENT TRENDS IN ABRASIVE WATER JET MACHINES at MIT, Chrompet on 19 FEB 2016.
5. Attended 3 days FDP on Computer Aided Design at Sri Sairam Engineering College from 4-6 Aug 2016
6. Presented a Paper in second International Conference on Advances in Materials, Manufacturing and Applied sciences (ICAMMAS ‘17) on 31 march 17 at Sri Sairam Institute of Technology.
7. Attended 7 days FDP on Automobile Engineering at Sri Sairam Engineering College from 29 Nov to 5 Dec 17
8. Presented a paper in INTERNATIONAL CONFERENCE ON ENGINEERING MATERIALS, METALLURGY AND MANUFACTURING (ICEMMM2018), 15-16 February 2018 at SSN College, Chennai. Received Best Paper Award.
9. Attended 15 days FDP on KINEMATICS OF MACHINERY at MNM Jain Engineering College, Chennai from 26 Nov to 8 Dec '18 (Two weeks).

Workshop / Conferences / FDP Organized:-

1. Arranged Pre Conference workshop titled “**Automotive Materials Workshop**” on 29-03-17 at Sri Sairam Institute of Technology.