

## CHANDRA MOHAN K



**K. Chandra Mohan**

**Admission officer**

Assistant Professor (Sr. G.)

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Affiliation: Department of Mechanical Engineering, SRM Institute of Science and Technology (formerly known as SRM University), Ramapuram Campus

### Education

Ph.D(Pursuing)	Wear analysis in Dental Materials	School of Mechanical, SRM Institute of Science and Technology
M. Tech.	CAD	SRM university, 2013
B. E.	Mechanical Engineering	Anna University, 2009

### Other Details:

#### Course

- Computer aided design
- Computer aided manufacturing
- Flexible manufacturing system
- Manufacturing technology
- Computer Graphics
- Mechanics of solids
- Design of Transmission systems
- Alternative sources of energy

#### Research Interests:

- Biomaterials, smart materials, Finite Element Analysis. AI Drones

#### Selected Publications:

- K.chandramohan, Tiruvayipatti neelu “An experimental study on energy absorption characteristics of double hat section with different geometric parameters such as holes and trigger dents”, International journal of applied engineering and research, ISSN 0974-2115 Volume 10 Number 68(JUNE- 2015) pp.513-517
- k.mohanraj .K.chandramohan, “optimum design and development of high voltage junction box for hazardous area”, International journal of applied engineering and research, ISSN 0974-2115 Volume 10 number 68 (JUNE- 2015) pp.412-415
- **K. CHANDRAMOHAN, P. V. ARUNRAJ, J. SILKSON JOHN & D. K. MOHANKUMAR** “EXPERIMENTAL INVESTIGATION AND FINITE ELEMENT ANALYSIS OF PLLA BASED BONE PLATE WITH HYDROXYAPATITE COATING” International Journal of Mechanical and Production Engineering Research and Development (IJMPERD), 2018 pp 38-45
- **K. KARTHIKEYAN, B. PRABHAKARAN, N. MANIKANDAN & K. CHANDRAMOHAN** “PERFORMANCE STUDY OF HUMAN HAIR FIBER REINFORCED COMPOSITE FOR THE SUBSTITUTION OF ALUMINIUM ALLOY PISTON” International Journal of Mechanical and Production Engineering Research and Development (IJMPERD), 2018 pp 123-127
- **P. V. ARUNRAJ, K. CHANDRAMOHAN & J. SILKSON JOHN** “EXPERIMENTAL ANALYSIS OF A WAVE TANK DEMONSTRATING THE IMPACT OF COASTAL DEFENCE ON COASTAL REGIONS” International Journal of Mechanical and Production Engineering Research and Development (IJMPERD), 2018 pp 1-6
- **S. J. MANOJ PRABHAKAR & K. CHANDRAMOHAN** “DESIGN AND ANALYSIS OF HYBRID ALUMINUM / CARBON FIBER REINFORCED EPOXY COMPOSITE DRIVE SHAFT WITH GRAPHENE” International Journal of Mechanical and Production Engineering Research and Development (IJMPERD), 2018 pp 27-37
- **B. PRABHAKARAN, K. KARTHIKEYAN, N. MANIKANDAN & K. CHANDRAMOHAN** “PERFORMANCE STUDY OF MECHANICALLY OPERATED AIR FILTRATION UNIT USING ACTIVATED CARBON FILTER” International Journal of Mechanical and Production Engineering Research and Development (IJMPERD), 2018 pp 265-271
- **K.Chandramohan, P.V.Arunraj, Haymik raja** “synchronizer life enhancement using carbon fiber composites” 9Pak. J. Biotechnol. Vol. 15 2018 Pp. 115-119

#### Papers Presented:

- K.Chandramohan “Experimental Investigation and finite element analysis of PLLA based bone plate with Hydroxyapatite Coating” International Conference on Recent Trends in Science and Technology, Chennai, India, 2018
- K.chandramohan “Diamond like carbon coating in pistons for increased efficiency” International conference on International conference on recent trends in mechanical engineering, Sivagangai, 2018

**Working Papers:**

1.K.Chandramohan , Dr.R.Rajendran “Experimental work on friction and wear effects of zirconia reinforced mica glass ceramics against natural tooth for dental restorations”2019

**Work in Progress**

- Wear analysis on Dental ceramics
- Artificial intelligence in Drones

**Other Professional Experience**

- SAE coordinator in Ramapuram campus
- Team head for SAE Supra, SAE BAJA, Formula Bharat, Mega Atv for past six consecutive years.

**Academic Experience**

- Working as Admission officer at SRM institute of Science and Technology, Chennai, since January 2019
- Working as Assistant professor(Sr.G) at SRM institute of Science and Technology, Chennai, since August 2017
- Worked as Assistant professor (O.G) at SRM Institute of science and technology, Chennai, from june 2013 to July 2017
- Worked as lecturer in Aarupadai veedu Institute of technology,Mahabhalipuram from sep 2010 to may 2013

**Other Professional Experience:** [Mention the Year Corresponding to Professional Experience]

- Worked as Quality control Engineer in Blue sky Engineers, Chennai from june 2009 to Aug 2010

**Achievements and Awards**

- Elected as top 10 faculty for Dhronacharya award in SAE Supra 2017.
- Best Faculty advisor award winner at FMAE BAJA 2019.
- Faculty advisor for the Team Hawkz racing for SAE SUPRA 2017 official Formula one Team of SRM Ramapuram campus and won Fourth place in Innovation award.

- Faculty advisor for the Team Hawkz racing for FMAE FFS 2018 official Formula one Team of SRM Ramapuram campus and won Runner up in Business award and Runner up in cost award.
- Faculty advisor for the Team Ruff Ryders for FMAE BAJA 2019 official ATV Team of SRM Ramapuram campus and bagged over all “Third Place” National level and and championship in Business award and in cost award, Runner up in Design award ,Accelaration Test, Manurablity Test

**Memberships:** [i.e. Memberships in Professional Bodies; Mention Year of Joining]

- Society of Automotive Engineers (SAE) since 2006
- Member in Madras Metallurgical society , since 2011
- Member in Indian science congress , since 2013