

## PUBLICATIONS

A few recent papers published by the students and faculty of the department.

### JOURNALS

- Kumar, T. V., Chandrasekaran, M., Santhanam, V., & Udayakumar, N. (2017, March). Characterization of Nylon 6 Nano Fiber/ E-Glass Fibre Reinforced Epoxy Composites. In IOP Conference Series: Materials Science & Engineering (Vol. 183, No. 1, p. 012002). IOP Publishing.
- Kumar, T. V., Chandrasekaran, M., Santhanam, V., & Sudharsan, V. D. (2017, March). Effect of Coupling Agent on Mechanical Properties of Palm Petiole Nanofiber Reinforced Composite. In IOP Conference Series: Materials Science and Engineering (Vol. 183, No. 1, p. 012006). IOP Publishing.
- Karan Kumar Jalan O., Anand A.S., V. Santhanam, (2017), "Design of Impeller and Analysis of Flow in Centrifugal Pump", International Journal Of Advanced Research Trends In Engineering And Technology, Volume 4, Special Issue 16.
- Palanikumar Vimalanathan, Narayanan Venkateshwaran and Vajjiram Santhanam. Experimental Investigation Of Mechanical And Viscoelastic Properties Of Acacia Nilotica Filler Blended Polymer Composite (Accepted), Polymer Composite, 2016 Wiley Publication. Impact Factor: 2.004
- P. Vimalanathan, N. Venkateshwaran and V. Santhanam. Mechanical, Dynamic Mechanical and Thermal Analysis of Shorea Robusta Dispersed Polyester Composite. International Journal of Polymer Analysis and Characterisation, Vol 21(4), 314-326 (2016). Impact Factor : 1.264
- R. Giri and M. Kanthababu, Generating complete disassembly sequences by utilising two-dimensional views International Journal of Production Research, 2015.
- V. Santhanam, Dr. M. Chandrasekaran, N. Venkateshwaran. Effect of fibre parameters on the mechanical properties of Banana-Glass fiber hybrid composites. Applied Mechanics and Materials Vols. 592-594 (2014) pp 202-205.

## CONFERENCES

- V. Santhanam, N. Venkateshwaran, Influence of fly ash as filler on mechanical and viscoelastic behavior of banana fibre reinforced polyester composite, Second Indo- Brazil Bilateral International conference on advanced materials & Processing – amp17.
- Karan Kumar Jalan O., Anand A.S., V. Santhanam, "Design of Impeller and Analysis of Flow in Centrifugal Pump", National Conference on Recent Advances in Mechanical Sciences, Rajalakshmi Engineering College, 28-29 April 2017.
- RAJKUMAR R, Panneerselvan S & Eswaran A, Experimental analysis of mechanical characteristics of Kenaf -human hair reinforced composites, Int. Conf on Science & Innovative Engineering, Jawahar Engg. College, Chennai, 2016.
- SUDHARSAN VD, Santhanam V & Vasumathi V, Effect of coupling agent on mechanical properties of palm petiole nano fiber reinforced composite, Int. Conf on Science & Innovative Engineering, Jawahar Engg. College, Chennai, 2016.
- UDAYAKUMAR N, Santhanam v & SeethaLakshmi K, Mechanical properties and analysis of nylon6/E glass fibre reinforced epoxy composites, Int. Conf on Science & Innovative Engineering, Jawahar Engg. College, Chennai, 2016.
- VASANTH ROY J, R Giri, Fatigue life estimation of simple and double lap bolted joints, Int. Conf on Science & Innovative Engineering, Jawahar Engg. College, Chennai, 2016.

## INDUSTRY INSTITUTE INTERACTION CELL

Students are taken for industrial visits to give them an exposure on the industrial practices in the field of their specialization. Some of the industries they visit are: MTAB Ltd, Chennai, CIPET, Guindy, Ennore Thermal Power Plant, Chennai, Ashok Leyland, Chennai, Neyveli Lignite Corporation, Neyveli, Tiruttani Cooperative Sugar Mill Ltd, Thiruvallangadu, KKM Soft Pvt Ltd, Wheels India Pvt. Ltd, Chennai, Caterpillar Industries Pvt. Ltd, Addison and Co., Chennai. The teachers also go on sabbatical training to industries to gain practical knowledge which can then be used to supplement the theoretical input given to the students in the classrooms.

## IN-PLANT TRAINING

Students also undergo in-plant training during summer and winter vacations to enhance their practical knowledge. Some of the organizations they choose are: Ashok Leyland Ltd., Chennai, Titan Industries Limited, Hosur, Integral Coach Factory, Chennai, Bharat Heavy Electricals Ltd., Ranipet, Larsen & Turbo Limited (Construction Division), Chennai, Neyveli Lignite Corporation Limited, Neyveli, Lucas - TVS (P) Ltd., Chennai; Delphi - TVS (P) Ltd., Sriperumbudur, Bosch Ltd., Bangalore, Johnson Electric Pvt. Ltd., Chennai, Chennai Port Trust, Chennai, Brakes India Limited. Chennai.

## PRIZES / AWARDS AND RECOGNITION

Students actively participate in technical competitions and paper presentations conducted by the college and also by outside institutions and regularly win awards. They also secure professional society awards such as Indian Society of Technical Education, The Institution of Engineering and Technology.

