

Faculty Profile

1. Name : Dr. Arthanarieswaran.V.P
2. Designation : Professor
3. Date of Joining : 01.06.2006
4. Nature of Association : Regular
5. E mail : arthanarieswaran@ksrct.ac.in
6. Mobile no. : +91 99425 22923



7. Academic Qualifications:

Course	Name of the Institution / University	Year of Passing	% of Marks	Class
Ph.D (Natural fiber characterizati on & Composite Materials)	Anna University, Chennai. (Part time)	May 2017	-	-
M.Tech (Design)	Motilal Nehru National Institute of Technology (MN NIT), Allahabad.	May 2005	7.44/10 (CGPA)	First
B.E. (Mech)	R.V.S College of Engineering and Technology, Dindigul.	April 1997	65.50	First
H.S.C.	Govt.Boys Hr.Sec School, Bhavani.	April 1992	82.42	First
S.S.L.C.	Govt.Boys Hr.Sec School, Bhavani.	March 1990	78.60	First

8. Teaching Experience

- **Professor**, K.S.Rangasamy College of Technology, Tiruchengode, from 01.06.2017 to till-date.
- **Associate Professor**, K.S.Rangasamy College of Technology, Tiruchengode, from 01.03.2014 to 31.05.2017.
- **Assistant Professor**, K.S.Rangasamy College of Technology, Tiruchengode, from 01.07.2009 to 28.02.2014.
- **Lecturer**, K.S. Rangasamy College of Technology, Tiruchengode, from 01.06.2006 to 30.06.2009.
- **Lecturer**, Annai Mathammal Sheela Engineering College, Namakkal, from 28.08.2001 to 24.07.2003.

9. Projects

Under Graduate

- **Title:** “Failure analysis of safety valves in Boilers”

Post Graduate

- **Title:** “ Free Vibration analysis of thin plates using 4 nodes ”

Ph. D

- **Thesis title:** “Studies on Characterization of *Acacia Leucophloea* fiber and Properties of *Acacia Leucophloea* reinforced Epoxy Composites”

10. Publications

International Journals

1. **Arthanarieswaran VP**, Kumaravel A, Kathirselvam M, **2014**, ‘Evaluation of mechanical properties of banana and sisal fiber reinforced epoxy composites: Influence of glass fiber hybridization’, *Materials & Design* 64, 194-202.
2. **Arthanarieswaran, VP**, Kumaravel, A & Saravanakumar, SS, **2015**, ‘Characterization of new natural cellulosic fiber from *Acacia leucophloea* bark’, *International Journal of Polymer Analysis and Characterization*, vol. 20, no. 4, pp. 367-376. **(Impact Factor: 1.333)**
3. **Arthanarieswaran, VP**, Kumaravel, A & Saravanakumar, SS, **2015**, ‘Physico-chemical properties of alkali-treated *Acacia leucophloea* fibers’, *International Journal of Polymer Analysis and Characterization*, vol. 20, no. 8, pp. 704-713. **(Impact Factor: 1.333)**
4. **Arthanarieswaran VP**, Ravikumar M, **2015**, “An Investigation of Natural Fiber Composite based Brake Pad”, *International Journal of Applied Engineering Research*, 10(50), 517-520.
5. **Arthanarieswaran, VP**, Kumaravel, A, Kathirselvam, M & Saravanakumar, SS, **2016**, ‘Mechanical and thermal properties of *Acacia leucophloea* fiber/epoxy composites: Influence of fiber loading and alkali treatment’, *International Journal of Polymer Analysis and Characterization*, vol. 21, no. 7, pp. 571-583. **(Impact Factor: 1.333)**
6. Sentharamaikkannan P, Saravanakumar SS, **Arthanarieswaran, VP**, **2016** ‘Physico-chemical properties of new cellulosic fibers from the bark of *Acacia planifrons*’ *International Journal of Polymer Analysis and Characterization* 21 (3), 207-213. **(Impact Factor: 1.333)**
7. Santhanam K, Kumaravel A, Saravanakumar SS, **Arthanarieswaran VP**, **2016** ‘Characterization of new natural cellulosic fiber from the *Ipomoea staphylyna* plant’, *International Journal of Polymer Analysis and Characterization* 21 (3), 267-274. **(Impact Factor: 1.333)**
8. Manimaran P, Prithiviraj M, Saravanakumar SS, **Arthanarieswaran VP**, **2017**, ‘Physicochemical, tensile, and thermal characterization of new natural cellulosic fibers from the stems of *Sida cordifolia*’, *Journal of Natural Fibers*, 1-10. **(Impact Factor: 1.096)**
9. Saravana Kumaar A, Senthilkumar A, Sornakumar T, Saravanakumar SS, **Arthanarieswaran VP**, **2017**, “Physicochemical properties of new cellulosic fiber extracted from *Carica papaya* bark”, *Journal of Natural Fibers*, 1-10. **(Impact Factor: 1.096)**
10. Kathirselvam, M, Kumaravel, S **Arthanarieswaran, VP**, Saravanakumar, SS, **2019**, “Isolation and characterization of cellulose fibers from *Thespesia populnea* barks: A study on physicochemical and structural properties”, *International Journal of Biological Macromolecules*, 129, 396-406. **(Impact Factor: 3.909)**

11. Kathirselvam, M, Kumaravel, S **Arthanarieswaran, VP**, Saravanakumar, SS, **2019**,“Assessment of cellulose in bark fibers of *Thespesia populnea*: Influence of stem maturity on fiber characterization, *Carbohydrate Polymers*, 212, 439-449. (**Impact Factor: 5.158**)
12. Saravana Kumar A.;Senthilkumar A.;Sornakumar T.;Saravanakumar S.S.;Arthanariesewaran V.P.,**2019**,” Physicochemical properties of new cellulosic fiber extracted from Carica papaya bark”, *Journal of Natural Fibers*, 16, 175-184 (**Impact Factor: 5.323**)
13. Kathirselvam Muthusamy, Kumaravel Arumugam & Arthanarieswaran Virumandampalayam Ponnusamy, **2021** “Evaluation of Wear Properties and Water Absorption Behavior of Banana and Sisal Fiber Reinforced Epoxy Hybrid Composites: Influence of Fiber Length”. *Journal of Natural Fibers*. (**Impact Factor: 5.323**)

International Conferences

1. **V.P.Arthanarieswaran**, Design and Fabrication of Solar Refrigeration and heating using Peltier effect, *Sevent International Conference on Advanced Science and Engineering Research (ASER-2018)* , Al-Ameen Engineering College, Erode, India, 5th April 2018.

National Conferences

1. M. Ravikumar, **A. Kumaravel**, An investigation of natural fiber composite based brake pad, *Proceedings of National 7th National Conference on Recent Trends in Mechanical Engineering (RAME 2010)*, Department of Mechanical Engineering, K.S.Rangasamy College of Technology, Tiruchengode – 637 215.

11. Invited Lecture Delivered

- Presented a lecture in Anna University, Chennai sponsored FDP on “Design of Gears” at Kamaraj college of Engineering and Technology, Virudhunagar during 2014.
- Delivered an invited lecture in Anna University, Chennai FDP on “Design of Machine Elements” at Mahendra Engineering College, Tiruchengode during 2015.

12. Membership in Professional Bodies

- **Indian Society for Technical Education (ISTE) - LM54026**

13. Resrach Activities

- Recognized supervisor by Anna University, Chennai
- Total **Citations: 215, h – Index: 7, i10 Index: 6**
- **Area of Expertise/Research Interests**
 - Natural fiber characterization Natural Fiber Composite Materials
- **Reviewer for**
 - Materials & Design – Elsevier Publications – Impact factor: 4.75
 - Cellulose – Springer Publications – Impact factor: 3.8

14.Subject Handled

- 1.Design of Transmission System
- 2.Engineering Graphics
- 3.Professional Ethics & Human Values
- 4.Robotics
- 5.Design of Machine Elements
- 6.Mechanical Vibrations
- 7.Computer Applications in Design

15.Personal Details

Fathers Name : A.Ponnusamy

Date of Birth & Age : 17.05.1975 & 47 Years

Gender : Male

Marital Status : Married

Permanent Address : 5/116, Virumandampalayam,
Elavamalai post,
Vasavi College Via,
Erode – 638316,
Tamilnadu, India.