K.YOGANANDAM

30 Badmabai street,
Polur-606 803.

Mobile No: +91 7867012971 , 9344527651
Email ID:yogamech89@gmail.com

Google Scholar :https://scholar.google.com/citations?user=Hr893hkAAAAJ&hl=en&authuser=3

Highlights

Teaching Experience	**:**	**2**
Research Experience	:	**3**
No. of Journals Published in SCI (Impact Factor)	:	**2**
No. of Scopus Indexed Journals	:	**8**
Citations	:	**33**
H-Index	:	**3**

Profile &Objective

An articulate person who quickly adapts to new systems and works optimistically and professionally towards the goal. With a strong knowledge base, now I wish to set off for exploring new horizons of excellence in teaching and Research.

Skills &Qualities

- **Ambition** – driven with the ability to succeed in any chosen environment and confidence to excel myself in research andteaching.
- **Aptitude** – elective subjects taken in other than my core stream such as automotive electronics, aircraft Instrumentation and Ultrasonic instrumentation has boosted my natural ability tolearn
- **Adaptability –** with the ability to adapt rapidly to a new work environment as well as any new culturalenvironment
- **Time Management –** the need to juggle between add-on courses and my tight academic schedule has focused my mind to working efficiently in order to meet all mydeadlines.

Summary ofQualifications

Certificate	Institution/School	Year of Passing	Marks Obtained
PhD(Composite Materials)	Anna University- Dindigul Campus	2018	-
M.E (Engineering Design)	SKP Engineering College	2014	8.59 CGPA (Distinction)
B.E(Mechanical Engineering)	University College of Engineering (Ramanathapuram campus)	2012	7.9 CGPA
DME (Mechanical Engineering)	SAPTC – Thellar	2009	95.5%
HSC	SRGDS - TIRUVANNAMALAI	2007	63 %
SSLC	SRGDS - TIRUVANNAMALAI	2005	73 %

ExperienceDetails

- Working as Assistant Professor in Saveetha School of Engineering, SIMATS, Chennai from (28-09-2019 to tilldate)
- Worked as **Assistant Professor** in ARM College of Engineering & Technology during June 2018 – July 2019 .
- FullTimeResearchScholarat**Anna university – Dindigul Campus**from Dec 2014 – May 2018.
- Worked as **Assistant Professor** in GanathipathyTulsi's Jain Engineering College during June 2014 – November 2014.

International JournalPublications:

- **K.Yoganandam,**Raja.K, Ganeshan.P&Mohanavel.V 2016, 'Mechanical properties of *Calotropisprocera*/sisalanaagave fiber hybrid reinforced polyester composites', International Journal of Printing, Packaging & Allied Sciences, (ISSN:2320-4387),vol.4,no.5, pp. 3669-3673.**(Annexure I)**

- **K.Yoganandam,** P. Ramshankar, P. Ganeshan& K. **Raja** (2018), Mechanical Properties of Alkali Treated Madar and Gongura Fiber Reinforced Polymer Composites , International Journal of Ambient Energy , ISSN: 0143-0750 (pp) 2162-8246. (**Scopus Indexed**)

- **K.Yoganandam ,**Ganeshan. P, NagarajaGanesh. B &Raja.K**, (2019)** Characterization studies on *Calotropisprocera* fibers and their performance as reinforcements in epoxy matrix ,**Journal of Natural Fibers ,Taylor & Francis. (Annexure -1)(Impact Factor – 2.62)**

- **Yoganandam, K.,** NagarajaGanesh, B., Ganeshan, P., & Raja, K. **(2019).** Thermogravimetric analysis of *Calotropisprocera* fibers and their influence on the thermal conductivity and flammability studies of polymercomposites**.*Materials Research Express*.** 10 (6), 105341. **(Annexure -1)(Impact Factor – 1.929)**

- **Yoganandam, K**., Raja, K.Lingadurai , (2016) .Mechanical and Micro Structural Characterization of Al6082-TiO2 Metal Matrix Composites produced via Compo Casting Method.Indian Journal of Science and Technology9 (41), 1-4.

- V Mohanavel, K Rajan, S Karthikeyan, M Naveen Kumar, **K Yoganandam.(2016).**Investigation of Mechanical and TribologicalBehaviour of Dual Particles Reinforced Al Matrix Composites. Applied Mechanics and Materials 852, 422-427

- N Karunagaran, G Bharathiraja, A Muniappan, **K Yoganandam**.(2020).Energy absorption and damage behaviour of surface treated glass fibre/stainless steel wire mesh reinforced hybrid composites.Materials Today: Proceedings 22, 1078-1084. (Scopus)

- K Siva Nagu, **K Yoganandam**, V Mohanavel, R Deepak Joel Johnson, Mechanical properties of a natural fiber reinforced with polylactic acid–Review, Materials Today Proceedings, (2020) DOI : 10.1016/j.matpr.2020.03.511**(Elsevier Journal - Scopus Indexed)**

- Rajala Ashok Reddy, **K Yoganandam**, V Mohanavel, Effect of chemical treatment on natural fiber for use in fiber reinforced composites–Review, Materials Today Proceedings, (2020) DOI : 10.1016/j.matpr.2020.03.511**(Elsevier Journal - Scopus Indexed)**

- **K.Yoganandam**, V.Mohanavel, J.Vairamuthu, V.Kannadhasan, Mechanical properties of titanium matrix composites fabricated via powder metallurgy method, Materials Today Proceedings, (2020) DOI : 10.1016/j.matpr.2020.04.569**(Elsevier Journal - Scopus Indexed)**

- V.Mohanavel, S.Prasath, **KYoganandam,**BelachewGirmaTesemma, S.Suresh Kumar, Optimization of Wear Parameters of aluminium composites (AA7150/10wt%WC) employing Taguchi Approach, Materials Today Proceedings, (2020) DOI : 10.1016/j.matpr.2020.08.356**(Elsevier Journal - Scopus Indexed)**

- V.Mohanavel, **K. Yoganandam,** V. Naveen Kumar, A. Chandrashekar, S.Prasath, Evaluation of tribologicalbehaviour of AA7178/Gr composites using Taguchi optimization technique, Materials Today Proceedings, (2020) DOI : 10.1016/j.matpr.2020.08.346 **(Elsevier Journal - Scopus Indexed)**

Project Guided

- **Guided Final YearB.E.Projects:**
- **Studies on Mechanical Properties of CalotropisProcera Fiber Reinforced with PolyLactic Acid**
- **Effect of Chemical Treatment on Physio-Chemical Properties of CalotropisProcera Fiber Reinforced with Polylactic Acid**

SoftwareProficiency

- AutoCAD
- ANSYS
- CATIA
- MINITAB (StatisticalTool)

ProjectDetails

Design and Analysis of Torsion Bar made from E Glass Fibre Reinforced Composite material

Torsion bars are used in many applications to provide spring resistances where space is limited such as vehicle suspension system. Torsion bars are essentially metal bars that functions as a spring.

M.E. PROJECT CUM INTERNSHIP

Worked on the project titled "Rationalization of Exhaust system mounting brackets in buses and trucks" at Ashok Leyland Technical centre, Vallivoyalchavadi, Chennai for a period of three months from Jan – Mar 2014.

The work included modeling, analysis and design of a rationalized mounting bracket and validating it based on a comparison with that of an existing one. Software packages used includes CATIA v5 for modeling, HYPERMESH for meshing, NASTRAN, PATRAN for analysis and HYPERVIEW for post processing.

PhD Topic:

Experimental investigation on calotropis procera and agave sisalana fiber reinforced hybrid polyester Composites.