

## **FACULTY BIO - DATA**

Name of the Faculty Member : Mr. G.SAKTHI BALAN  
Present Designation : Assistant professor  
Contact No. : 8015532936,  
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### **I. Particulars of Educational Qualification :**

- 1) Studied Diploma in Mechanical Engineering at Adhiparasakthi Polytechnic College, Melmaruvathur ,DOTE, 2008.
- 2) Studied B.E. in Mechanical Engineering at Adhiparasakthi Engineering College, Melmaruvathur, Anna University, Chennai. 2011
- 3) Studied M.E in Manufacturing Engineering at M.I.E.T Engineering College, Trichy, Anna University, Chennai. 2016.

### **II. Academic Experience :**

Name of the College	Designation	Joining Date	Relieving Date	Experience		
				Years	Months	Days
SRI VIGNESH POLYTECHNIC COLLEGE	LECTURER	28/05/2013	16/10/2014	1	5	
K.RAMAKRISHNAN COLLEGE OF ENGINEERING	ASSISTANT PROFESSOR	12/06/2017	TILL DATE	1	5	
				2	10	

### **III. List of Publications :**

#### **I) INTERNATIONAL JOURNALS: 04**

- 1) Sakthi balan G, Renold elsen S, Rajesh P.V, (2017) ‘Fabrication, evaluation and optimization of Tensile characteristics of waste plastic reinforced polymer composite’, International journal of innovative science and research technology, Vol. 2, Issue. 6, pp. 207-211.

- 2) Sakthi balan G, Jenitha deepa P, Rajesh P.V, (2017) ‘Evaluation of radiation characteristics of plastic reinforced polymer composite’, International journal of engineering development and research, Vol. 5, Issue. 2, pp. 1831-1845.
- 3) Sakthi balan G, Sundra pandian M, Rajesh P.V, (2017) ‘Fabrication,evaluation and optimization of Tensile characteristics of Banana pistil reinforced polymer composite’, International journal of Multidisciplinary and current research, Vol. 5, Issue. July/Aug2017, pp. 818-822.
- 4) P.V.Rajesh, G.Sakthi Balan,(2017)’Optimization of process parameters of zirconia reinforced aluminium by powder metallurgy using response surface methodology’, IAETSD Journal for advanced research in applied sciences, Vol 4, Issue 1, pp. 184-189.

#### **IV. INTERNATIONAL CONFERENCE : 06**

1. International conference on Advances in Mechanical engineering (ICAME 2018)- SRM INSTITUTE OF SCIENCE AND TECHNOLOGY –Kattankulathur. “Fabrication, testing and optimization of water absorption characteristics of plastics reinforced wood composite”
2. Iconnect 2017 – K.RAMAKRISHNAN COLLEGE OF TECHNOLOGY- TRICHY. “Optimization of process parameters of ZRA by powder metallurgy using RSM”.
3. ICIETS 2017 – K.RAMAKRISHNAN COLLEGE OF ENGINEERING- TRICHY. “Fabrication, evaluation and optimization of flexural characteristics of banana pistil reinforced polymer composite”.
4. ICROME 2017 – GOVERNMENT COLLEGE OF ENGINEERING- TRICHY. “Optimization of process parameters of ZRA by powder metallurgy using RSM”.
5. ICITMC 2016 – PET ENGINEERING COLLEGE – VALLIOOR. “Evaluation of radiation characteristics of plastics reinforced polymer composite”.
6. ICAME 2015 – UNIVERSITY COLLEGE OF ENGINEERING – VILLUPURAM. “Effect of drilling process parameters on bahunia racemosa/glass fibre composite using Taguchi method”.

#### **V. NATIONAL CONFERENCE: 01**

1. National conference on Advances in Mechanical engineering (NME2015) – Regional office – Anna university Tirunelveli region. “Optimization of density in the fabrication of Alumina-zirconia nano composite”.

#### **VI. NPTEL: 02**

1. Attended and cleared NPTEL exam on “Manufacturing of Composites” with Elite grade.
2. Attended and cleared NPTEL exam on “Processing of polymers and polymer composites” with Elite grade.

#### **VII. PATENTS : 01**

Sl. No.	Title	Name of Applicants	Patent No.	Award Date	Agency/ Country	Status
1	Reinforced polymer composite from Non-Recyclable waste plastics	Sakthi balan G and Renold Elsen S	201641 003776 A	Complete filing : 03/02/2016	IPO/Chennai	Published and grant under process

**VIII. List of Short Term Course Attended : 04**

Sl. No.	Name of the Programme	Duration	From	To	Place
1	Understanding nanotechnology and nanomaterials for diverse technological applications	5 Days	18/12/2017	22/12/2017	NIT, Trichy
2	Faculty development programe on Solidworks and 3D Printing	2 Days	23/03/2018	24/03/2018	Sastra , Thanjavur.
3	Composite structures: Theory, Manufacturing, Mechanics & FE Modelling	5 Days	07/05/2018	11/05/2018	Mepco schlenk engineering college, Sivakasi
4	Sustainable design and Manufacturing	1 Day	31/03/2018	31/03/2018	VIT, Vellore