



Dr. P. Baranitharan

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Objective

To work in your reputed organization offering a wide scope for organization growth and to derive satisfaction from servicing the society.

Professional Profile

- 8.6 years' Experience in Teaching.
- 5.1 years of Professional Experience in Industries
- **Total Experience** in Teaching & Industries –13.7 Years.

Employment History

Organization	Designation	Duration
Christ The King Engineering College, Karamadai.	HOD/Mechanical Engineering	15/07/2019 to 31/11/2019
Govt. College of Technology, Coimbatore.	Teaching Research Associates	Sep 2016 – Dec 2018 (2.3 years)
Sree Sakthi Engineering College, Karamadai. Coimbatore.	Assistant Professor	June 2013 – Aug 2016 (3.1 years)
N.L. Polytechnic College, Mettupalayam	Lecturer	July2008 - Sep 2011 (3.2 years)
Sivam Fabricators, Mettupalayam.	Engineer-Operations	Jan, 2006 - May2008 (2.5 years)
Manoj Engineering Works, Coimbatore.	Engineer -Purchase and Stores	June, 2003 –Dec2005 (2.6 years)

Academic Data

Post-Doctoral Fellow	National Institute of Technology, Tiruchirappalli.	Doing
Ph.D (Full Time)	Govt. College of Technology, Coimbatore.	First Class
M.E (Full Time-PRODUCTION)	Anna University, Regional Centre, Coimbatore.	86 % (First Class)
B.E (Full Time-MECHANICAL)	Govt. College of Technology, Coimbatore.	70 % (First Class)
Diploma In Industrial Safety	Annamalai University, Chidambaram	68.8% (First Class)

Professional Summary

Title of Ph.D: STUDIES ON DIESEL ENGINE CHARACTERISTICS FUELLED WITH AEGLE MARMELOS PYROLYSIS OIL BLENDS: A STEP TOWARDS PYROLYSIS PROCESS COMMERCIALIZATION.

International Journal Published

- 1) **P.Baranitharan**, K.Ramesh and R.Sakthivel (2018). Characterization of pyrolysis bio-oil derived from intermediate pyrolysis of Aegle marmelos de-oiled cake: study on performance and emission characteristics of C.I. engine fuelled with Aegle marmelos pyrolysis oil-blends, Environmental Science and Pollution Research. <https://doi.org/10.1007/s11356-018-3319-x> (Impact Factor= 2.914) (**Springer Publication**)
- 2) **P.Baranitharan**, K.Ramesh and R.Sakthivel (2018). Analytical Characterization of the Aegle marmelos Pyrolysis Products and Investigation on the Suitability of Bio-Oil as a Third Generation Bio-Fuel for C.I Engine. Environmental progress & Sustainable energy. DOI 10.1002/ep.13116 (Impact Factor= 1.596) (**American Institute of Chemical Engineer's Publication**)
- 3) Ramesh, K., **Baranitharan**, P., & Sakthivel, R. (2019). Investigation of the stability on boring tool attached with double impact dampers using Taguchi based Grey analysis and cutting tool temperature investigation through FLUKE-Thermal imager. Measurement, 131, 143-155. <https://doi.org/10.1016/j.measurement.2018.08.055> (Impact Factor= 2.791) (**Elsevier Publication**)
- 4) **P.Baranitharan**, K.Ramesh and R.Sakthivel (2019). Experimental assessment and multi-response optimization of diesel engine performance and emission characteristics fuelled with Aegle marmelos seed cake pyrolysis oil-diesel blends using Grey relational analysis coupled principal component analysis, Environmental Science and Pollution Research. <https://doi.org/10.1007/s11356-019-04164-8> (Impact Factor= 2.914) (**Springer Publication**)
- 5) **P.Baranitharan**, K.Ramesh and R.Sakthivel (2019). Measurement of performance and emission distinctiveness of Aegle marmelosseed cake pyrolysis oil/diesel/TBHQ opus powered in a DI diesel engine using ANN and RSM. Measurement, 144, 366-380. <https://doi.org/10.1016/j.measurement.2019.05.037> (Impact Factor= 2.791) (**Elsevier Publication**)
- 6) **P.Baranitharan**, K.Ramesh and R.Sakthivel (2019). Multi-attribute decision-making approach for Aegle marmelos pyrolysis process using TOPSIS and Grey Relational Analysis: Assessment of engine emissions through novel Infrared thermography. Journal of Cleaner Production 234 (2019) 315-328. <https://doi.org/10.1016/j.jclepro.2019.06.188> (Impact Factor= 6.395) (**Elsevier Publication**)
- 7) **P.Baranitharan**, K.Ramesh and R.Sakthivel (2019). Investigation and improvement on storage stability of pyrolysis oil obtained from Aegle marmelos de-oiled seed cake, Energy Sources, Part A: Recovery, Utilization, and Environmental Effects. <https://doi.org/10.1080/15567036.2019.1632989> (Impact Factor=0.894) (**Taylor & Francis Publication**)

Membership in Technical bodies

- Member in Indian Society of Technical Education (MISTE)
- Member in Indian Institute of Metals (Membership No: OM-50701)

Computer Proficiency:

Packages : MS-office.
Design Software : AutoCAD 2004, CADian 2010, Master CAM.
Technical Package : CNC Programming & Operations

Personal Profile

Father's name : R.Paramasivam (Late)
Mother's name : P.Kalaiyarasi
Communication Address : 2/306 H, Shaj Bhaj Nagar, Blue Hills Avenue, Annur road
Bellathi (PO). Karamadai (SO). 641104. Mettupalayam (TK).
Date of Birth : 13-04-1983
Gender : Male
Marital Status : Married
Language Known : Tamil, English, Hindi, Malayalam and Baduga

I hereby declare that all the details and particulars furnished above are true to the best of my knowledge.

Date:

Place: Tiruchirappalli


(P.BARANITHARAN)