

## FACULTY PROFILE

### Dr. P. AKILAMUDHAN

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Vasavi College Post,  
Erode – 638 316.

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### EDUCATIONAL QUALIFICATION

Degree	Institution	University	Percentage/ CGPA	Year of passing
Ph.D. (Fluidization Engineering)	Research Centre: Kongu Engineering College, Perundurai.	Anna University, Chennai.	-	2012
M.Tech. (Chemical Engineering)	Coimbatore Institute of Technology, Coimbatore.	Bharathiar University, Coimbatore.	67	2000
B.E. (Chemical Engineering)	Kongu Engineering College, Perundurai.	Bharathiar University, Coimbatore.	59.5	1998

### AREAS OF INTEREST:

- Fluidization Engineering

### MEMBER IN PROFESSIONAL ORGANIZATIONS:

- Life member of ISTE (Indian Society for Technical Education)
- Life member of ISSE (Indian Society of Systems for Science & Engineering)

### ACADEMIC EXCELLENCE

- Vetting C-18 Telengana state Polytechnic Chemical Engineering curriculum twice in 2018 and 2019.
- Doctoral Committee member for 3 Ph.D. scholars
- Acted as resource person in state-level conferences conducted by Chemical Engineering departments in Anna University, PSG College of Technology & Nandha Polytechnic College, Perundurai
- Ph.D. Supervisor (Ref.No. 2150004) recognition from Anna University since 2013.

- Question paper setter for Autonomous Institutions (Kongu Engineering College, Nandha Engineering College, Bannari Amman Institute of Technology) and Anna University, Chennai.

### **PROJECTS / GRANTS:**

- Received grant **Rs. 3,56,666/-** from AICTE for conducting Short Term Training Programme under AQIS in January 2020.
- Received **Rs. 2,55,000/-** under PMKVY- Iron and Steel – Utility Hand Plant Operations scheme during the academic year 2018-19.
- Received grant **Rs. 28,000/-** from DST-NIMAT for Entrepreneurship Awareness Camp during the academic year 2018-19.
- Principal Coordinator for completion of AICTE-MODROB on Automated and Integrated Process Control Station with **Rs. 9,77,000/-** during the academic year 2017-18.
- Received grant **Rs. 10,000/-** from DST-NIMAT for Entrepreneurship Awareness Camp during the academic year 2017-18.
- Received grant **Rs. 80,000/-** from MoES, New Delhi for the National Conference on Green Technology –An awareness Programme for farmers in Rural Area during the academic year 2011-12.

### **PROMOTION OF INDUSTRY INSTITUTION INTERACTION:**

- Regularly conducting **Technical Training to Chemplast Sanmar Ltd** employees since 2013, 517 were trained and generated fund of **Rs. 17,00,000** from the same.

### **PAPER PUBLICATIONS:**

- Journal of Ceramic Processing Research, “ A Comparative Review on Recovery of Heavy Metals from Printed Circuit Boards by Chemical and Bio-leaching – Accepted for Publication
- Published a **Book Chapter** on “Clay Minerals Effects for Metal Reclamation from Leached Solution in intechopen, **DOI: 10.5772/intechopen.98368, Sep’21.**
- International Journal of Innovation and Scientific Research, “Treatment of Hospital and Biomedical Waste Effluent Using HUASB Reactor”, ISSN 2351-8014 Vol. 11 No. 2 Nov. 2014, pp. 379-386.

- International Journal of Recent Scientific Research “Production of Biodegradable Plastics by using of Starch (Tapioca & Cassava)” Vol. 5, ISSN: 0976-3031, Issue,10, pp.1756-1759, October, 2014.
- International Journal of ChemTech Research “Experimental Studies on Effect of Grinding Additives in Size Reduction Process” CODEN (USA): IJCRGG ISSN: 0974-4290 Vol.6, No.9, pp 4428-4433, September 2014.
- International Journal of ChemTech Research , “ Prediction of Solid holdup in an Internal Loop Airlift Fluidized Bed Reactor” CODEN (USA): IJCRGG ISSN : 0974-4290, Vol.6, No.9, pp 4460-4467, September 2014
- International Journal of Bioscience, Biochemistry and Bioinformatics, “Studies on Effectiveness of Low Cost Adsorbents in Continuous Column for Textile Effluents”, Vol. 2, No. 6, November 2012.
- Chemical Industry and Chemical Engineering Quaterly “Prediction of Gas Hold-up in a Combined loop Airlift Fluidized Bed Reactor using Newtonian and Non-Newtonian Liquids,”Chem. Ind. Chem. Eng. Q.17 (3) 375–383, 2011.
- International Journal of Chemical Reactor Engineering “Studies on Minimum Fluidization Velocity and Liquid Hold in an Internal Loop Airlift Fluidized Bed Reactor”, Volume 9, 2011 Article A72.
- International Journal of Chemical Reactor Engineering, “Hydrodynamic Studies on Three-Phase Combined (Internal & External) Loop Airlift Fluidized Bed Reactor Using Newtonian and non-Newtonian Liquids: Minimum Fluidization Velocity and Liquid Holdup” ,Volume 9 2011 Article A79.
- Modern Applied Science “Prediction of Riser Gas Holdup in Three- Phase External Loop Air Lift Fluidized Bed Reactor” Vol. 4, No. 8; August 2010.
- Modern Applied Science “Experimental Studies on Disposal of Various Industrial Solid Wastes” Vol 2, No.6, Nov 2008.
- Chem. Biochem. Eng. Q. 22 (4) 401–410 (2008), “Prediction of Liquid Holdup and Solid Holdup in Three-phase Fluidized Bed: Air/Newtonian and non-Newtonian Liquid Systems”, 22 (4) 401–410, 2008

### **PERSONAL PROFILE**

**Date of Birth & Age** : 05.06.1976

**Gender** : Male.

**Marital Status** : Married

**Nationality** : Indian

**Religion** : Hindu

**Languages Known** : English, Tamil.

**Permanent Address : 562, Lakshmi Nagar,  
Vasavi College Post,  
Erode – 638 316.**

**DECLARATION**

I, **Dr. P. AKILAMUDHAN** declare that all the information given above are true to my knowledge and belief.

**PLACE: ERODE**

**Yours faithfully**

A handwritten signature in black ink on a light gray grid background. The signature is highly stylized and cursive, starting with a large 'D' and ending with a long, sweeping tail.