

BIODATA



- **Name:** Anil Ramchandra Acharya
- **Date Of Birth:** 18th June 1965
- **Designation:** Associate Professor in Mechanical Engineering
- **Contact Information:** aracharya@rediffmail.com aracharya18@yahoo.com
Mobile: 9371111964
- **Qualification:** B.E. (Mech.), M.E. (Mech.- Power Engineering)
- **Area of Interest:** Heat Transfer, Numerical Methods
- **Educational Details:**

Sr. No	Degree/Branch	College/Institute	University	Year of Passing	Class Obtained
1	B.E. (Mechanical)	Govt. College of Engineering, Karad,	Shivaji University, Kolhapur	June 1987	First Class with Distinction
2	M.E. (Mech- Power Engineering)	Govt. College of Engineering, Karad	Shivaji University, Kolhapur	March 1996	First Class
3	Ph.D.	Govt. College of Engineering, Karad,	Shivaji University, Kolhapur	Thesis Submitted 28.08.2015	

➤ **Experience Details:**

Sr. No	University / College/ Industries	Designation	Period	Experience in years
1	Bajaj Auto Ltd, Aurangabad	Jr. Engineer	16-08-1987 to 30-06-1990	3
2	Govt. College of Engineering, Karad	Lecturer in Mechanical Engg.	12-01-1992 to 15-08-2001	9
4	Govt. Polytechnic, Karad	Lecturer in Mechanical Engg.	16-08-2001 to 6-08-2003	3
5	Govt. College of Engineering, Karad	Lecturer in Mechanical Engg.	7-11-2003 to 31.12.2005	2
6	Govt. College of Engineering, Karad	Asst. Professor in Mechanical Engg.	1-1-2006 to 30-10-2006	1
7	Govt. College of Engineering, Karad	Associate Professor in Mechanical Engg.	30-11-2006 to till date	11

➤ **Seminar/Conference/Workshop/STTP Conducted:**

- Conducted Two days workshop on **Reliability Engineering in Industrial Applications** organized by Department of Mechanical Engineering, Govt. College of Engineering, Karad, during 22nd – 23rd August 2005.
- Conducted two weeks AICTE sponsored SDP on **Numerical Computation of Fluid Flow and Heat Transfer**, organized by Department of Mechanical Engineering, Govt. College of Engineering, Karad, during 11th – 22nd Dec. 2006.
- Conducted one week TEQIP sponsored SDP on **FEM Analysis Mechanical, Thermal and Fluid Systems**, organized by Department of Mechanical Engineering, Govt. College of Engineering, Karad, during 23rd June – 27th June 2014

➤ **Seminar/Conference/Workshop/STTP Attended:**

- Participated in two weeks TEQIP sponsored SDP on **Mathematical Methods for Science and Engineering using soft computing tools**, organized by GCE Karad, during 2nd – 13rd December 2013
- Participated in **one week** TEQIP sponsored SDP on **Nanomaterials and Nanocomposites**, organized by TTI Extension Center Pune, during 3rd – 7th December 2012
- Participated in two weeks ISTE sponsored ICT MHRD SDP on **Thermodynamics in Mechanical Engineering**, organized by IIT Mumbai, during 14th – 24th June 2011
- Participated in two weeks AICTE sponsored SDP on **Recent Trends in Heat Exchangers**, organized by GCE Karad, during 21th December 2009 – 2nd January 2010
- Participated in two weeks TTTI sponsored SDP on **Entrepreneurship Development for Faculty**, organized by TTI Extension Center Pune, during 11th – 22nd May, 2005.
- Participated in two weeks AICTE sponsored SDP on **Embedded Technology**, organized by Department of Instrumentation Engineering, VIT Pune, during 12th - 24th Dec. 2005.
- Attended two days Workshop on **Optical Fiber and LASER Technology** organized by Department of Instrumentation Engineering, Govt. College of Engineering, Pune, during 11st – 22nd May 2003
- Participated in two weeks AICTE sponsored STTP on **Orientation Training**, organized by Department of Mechanical Engineering, GP Pune during 13th – 24th Dec. 2002
- Participated in two days FDP on Emerging Technologies organized by Cognizant at Pune on 20 and 21st June 2013

- Participated in first graduate conference of mechanical engineering by BoS, Pune University as reviewer during 19-20 July 2015
- Participated in two weeks AICTE sponsored STTP on “**Orientation Training**”, organized by Department of Mechanical Engineering, GP Pune during 13th – 24th Dec. 2002
- Participated in International Conference on Global Technology Initiatives by Rizvi College, Mumbai on 29-30 March 2013
- Participated in two days state level seminar on “Inclusive Growth & Sustainable Development organized by VIT Pune during 9-10 January 2015
- Participated in three days’ workshop on CFD using Ansys Fluent organized by 11Dot Cadtech and Department of Mechanical Engineering, GCE Karad during 25-27 January 2014
- Participated in one day national conference on industry institute interaction organized by PCCOE Pune on 30 August 2014
- Participated in two days national conference on “**Thermal fluid and manufacturing science 2012**”, organized by IE and SGLC Surat during 20-21 January 2012
- Participated in two days international conference “**ISHMT - ASTFE**”, organized during 17-19 December 2015, Trivandrum, Kerala

➤ **Papers published in International Journals:**

International Journal

1. [Ammonium Chloride as surfactant for Heat Transfer enhancement in pool boiling, *IACSIT International Journal of Engineering and Technology*, Vol.3, No.3, June 2011 pp 323-326.](#)
2. [Energy Conservation by Enhancement of Heat Transfer in Pool Boiling, *International Journal of Global Technology Initiatives* \(ISSN:2277-6591\)., March 2012,B37-B42](#)
3. [Experimental Study of Aqueous Ammonium Chloride in Pool Boiling Heat Transfer, *International Journal Experimental Heat Transfer*, Francis and Taylor, November 2013.](#)
4. [Experimental Study of Heat Transfer Enhancement in Pool Boiling by Using 2-ethylhexanol an Additive, *AMM.592Journal Applied Mechanics and Materials*, 2014, DOI 10.4028 / www.scientific.net](#)
5. [Review on flow boiling heat transfer enhancement with nano fluids, *IOSR Journal of Mechanical and Civil Engineering \(IOSR-JMCE\)* ISSN: 2278-1684,p-ISSN: 2320-334X, Volume 11, Issue 2 Ver. VI \(Mar- Apr. 2014\), PP 43-48](#)

6. [Experimental Study of Effect of Nucleation Site Size on Bubble Dynamics during Nucleate Pool Boiling Heat Transfer, 10.4028/www.scientific.net/AMM.592-594.1596](http://www.scientific.net/AMM.592-594.1596)
7. [Experimental study of bubble dynamics in pool boiling heat transfer using saturated water and surfactant solution," *Advances in Engineering and Technology \(ICAET\), 2014 International Conference on* , vol., no., pp.1,6, 2-3 May 2014doi: 10.1109/ICAET.2014.7105293](https://doi.org/10.1109/ICAET.2014.7105293)
8. [LITERATURE REVIEW ON AUGMENTATION OF HEAT TRANSFER IN BOILING USING SURFACTANTS / ADDITIVES, Ref. No. HMT-D-15-00706](#)Journal of Heat and Mass Transfer, Springer (in process)
9. [EXPERIMENTAL STUDY OF SINGLE BUBBLE DYNAMICS DURING NUCLEATE BOILING USING ADDITIVES, Ref. No. ETFS-D-15-00915](#) Elsevier Journal

Patents

1. [“Novel Additive for boiling Enhancement”, No.: 3065/MUM/2012 dated 19/10/2012](#)
2. [“Experimental setup for Flow Boiling”, No. : 3888/MUM/2015 dated 13/10/2015](#)
3. [“Experimental set up for Single Bubble Dynamics”, No.: 3891/MUM/2015 dated 13/10/2015](#)
4. [“Novel Counting device for domestic pressure cooker for hearing impaired” 3891/MUM/2015 dated 13/10/2015](#)
5. [“Novel Medicine Dispenser Box for Adults” 3890/MUM/2015 dated 13/10/2015](#)
6. [“Experimental setup for Heat Exchanger” under process](#)

Google Scholar Citations:

<http://scholar.google.co.in/citations?user=JcKWw2MAAAAJ&hl=en>

Research Gate Citations:

https://www.researchgate.net/profile/Ar_Acharya/contributions

International Conference

1. Effect of Surfactants on Boiling Phenomena International Conference ExHFT-7, 28 June -03 July 2009, Krakow, Poland

2. Augmentation of Boiling Heat Transfer using Nano-fluids, Surfactants International Conference on Advances in Technical Engineering (IC-ICAME) 9th to 11th July 2009
3. Heat Transfer Mechanism in Pool Boiling using Nano-fluids in Microgravity International Conference on Advances in Technical Engineering (IC-ICAME) 9th to 11th July 2009
4. Energy Conservation by Enhancement in Heat Transfer in Pool Boiling, *Proc. of the ICGTI-2012*, Mumbai, India,
5. Studies of Effect of Additives on CHF and Leiden frost Point in Pool Boiling, *Proc. of the 1th National Conference on Thermal Fluid and Manufacturing Science*, held at SGLC, Surat, India, pp 184-190
6. Augmentation of Boiling Heat Transfer using Nano-fluids, Surfactants, International Conference on Advances in Engineering and Technology Lonavala, Pune, India, 15-17 May 2013
7. Effect of Surface Texture on pool boiling of water-ethanol mixture, International Conference ExHFT-8, 16 June -20 June 2013 Lisbon, Portugal
8. Process Automation in Distillation using CHF and LPF in boiling, International Conference on Industrial Applications of Signal processing on 25th to 27th November 2013, DACOE Karad
9. Experimental Study of Effect of Additives in Pool Boiling Heat Transfer, Proceedings of the 22th National and 11th International ISHMT-ASME Heat and Mass Transfer Conference, December 28-31, 2013, IIT Kharagpur, India

➤ **ME Dissertations guided:**

2014-15

1. Experimental and Numerical study of single bubble dynamics during nucleate pool boiling using surfactant additives on artificial nucleation site
2. Experimental investigation of performance of straight heat pipe by using surfactant and nano fluid
3. Experimental and Numerical Study of Dropwise condensation using additives on copper surface for heat transfer enhancement

2013-14

4. Experimental investigation of pool boiling enhancement by using nanostructured surfaces
5. Optimization of surface area of air cooled condenser used in refrigeration
6. Experimental and numerical study of bubble dynamics during nucleate pool boiling on artificial nucleation sites

2012-13

7. Study of Waste Biomass Washery reject and char as a fuel for boiler
8. Investigation of effect of surface textures and surfactants in nucleate pool boiling

2011-12

9. Studies of effect of surfactant on CHF and LFP in pool boiling

➤ **Membership Of Scientific & Professional Societies:**

A book “Applied Numerical Method” is published in 2015

➤ **Membership Of Scientific & Professional Societies:**

- Life member , Indian Society for Technical Education, New Delhi.
- Life Member, Indian Society for Heat and Mass Transfer, Chennai

➤ **Institutional & Departmental Portfolios:**

- MESA Staff advisor
- Training and Placement Officer
- Dean, Industry Institute Interaction

➤ **Other Achievements:**

- Guided 35 students for their ME Dissertation in Heat Power and Production Engineering

Place: Karad

Date:

Anil R. Acharya