

PERSONAL PROFILE



- 1. Name** : **SRIDAR RAMACHANDIRAN**
- 2. Qualification** : **B.Tech** (Chemical Engg), **M.Tech** (Petroleum Refining and Petrochemicals), **Ph. D** (Supercritical Fluids)
- 3. Date of Birth** : 27-02-1976
- 4. Address for Communication**
- : Dr. R. Sridar
Associate Professor/Dept. of Chemical Engineering
Pondicherry Engineering College
Pondicherry – 605 014.
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Office No: 0413-2655281 Extn: 587
- 5. Present Employment Details**
- Name of the Employer** : Pondicherry Engineering College (An Autonomous Institution of the Govt. of Puducherry)
- Department** : Chemical Engineering
- Designation** : **Associate Professor**
- 6. Previous Employment Details**
- Name of the Employer** : Arulmigu Meenakshi Amman College of Engineering, Vadamavandal, Kancheepuram District, Tamilnadu.
- Department** : Chemical Engineering
- Designation** : Lecturer
- Period** : June 2000 to January 2002
- 7. Total Teaching Experience** : 15 Years 9 Months

8. Sex : Male

9. Education

| Sl. No | Year of Study | Level (Specialization) | Institute/University/Board | CGAP/Class |
|--------|---------------|--|---|-------------|
| 1 | May 2014 | Ph. D (Supercritical Fluids) | Jadavpur University, Kolkata | |
| 2 | 1998-1999 | M.Tech (Petroleum Refining and Petrochemicals) | A.C. College of Technology Anna University, Chennai | 8.15/10 |
| 3 | 1994-1998 | B.Tech (Chemical Engg) | Bharathidasan University, Tiruchirappalli, Tamil Nadu | First Class |
| 4 | 1991-93 | HSC | Tamil Nadu State Board | First Class |
| 5 | 1991 | SSLC | Tamil Nadu State Board | First Class |

10. **Membership in Professional Bodies:** Life Member of Indian Institute of Chemical Engineers (IChE) (LM 25609)
: Life Member of Indian Society for Technical Education (ISTE) (LM 34428)
: Life Member of the Institution of Engineers (India), (IE(I)) (M-1422248)

11. **Projects Handled:**

Established Petroleum Products Testing Laboratory in the Department of Chemical Engineering with a **total grant of 72 lakhs** from the Department of Civil Supplies and Consumer Affairs (DCS & CA), Government of Puducherry.

12. **Papers Published in International/National Journal**

1. A New Three Parameter Thermodynamic Model for the Solubility of Substituted Phenol Compounds in Supercritical Carbon Dioxide, Journal of Chemical and Pharmaceutical Sciences, Special Issue, December 2014, pp. 157-160, ISSN: 0974-2115
2. A New Model for the Solubility of Dye Compounds in Supercritical Carbon Dioxide, Thermochemica Acta 561 (2013) 91-97.

13. **Papers Published in International Conference**

1. Sridar. R, 'Bio Diesel', Cleaner Technologies and Environmental Management, PEC, Pondicherry, India. January 4-6, 2007. Pp.649-653
ISBN No. 81-8424-107-0

14. **Papers Presented/Published in National Conference**

1. R.Sridar, Avijit Bhowal, Garlapati Chandra Sekhar, 'A New Three Parameter Thermodynamic Model for the Solubility of Substituted Phenol Compounds in Supercritical Carbon Dioxide' December 5-6, NC-GET-2014, BIT, Anna University, Trichy.

2. R.Sridar, Avijit Bhowal, Garlapati Chandra Sekhar, 'Modeling the Solubility of Drug Compounds in Supercritical Carbon Dioxide' December **27-30, CHEMCON 2013, UICT, Mumbai - 560 054.**
3. Sridar. R, Avijit Bhowal, R, Chandrasekhar Garlapati, 'Cubic Equations of State for Estimation of Supercritical Fluid Density' **August 16th, 2012**, Recent Trends in Bio-chemical Engineering conducted by Vel Tech High Tech Engineering College, Avadi, Chennai. ISBN No. 978-81-924827-3-6
4. R.Sridar, Avijit Bhowal, Garlapati Chandra Sekhar, 'Modeling of Fluid-Solid Phase Equilibria with Cubic Equation of State' December **27-29, CHEMCON 2011, M.S. Ramaiah Institute of Technology, Bangalore- 560 054.**
5. R.Sridar, R.Gopinathan, Garlapati Chandra Sekhar, 'Thermodynamic Modeling of Solubilities of Saturated Fatty Acids in Supercritical Carbon dioxide' **December 27-29, CHEMCON 2010 Annamalai University, Chidambaram.**
6. R.Sridar, R.Gopinathan, Garlapati Chandra Sekhar, 'Binary Interaction Parameter Estimation and VLE Calculations in Mixtures Containing Carbon dioxide and n-Alkanols'. **December 27-29, CHEMCON 2010, Annamalai University, Chidambaram.**
7. Sridar. R, Gopinathan. R, Chandrasekhar Garlapati, 'Modeling of Solubilities of Dyes in Supercritical Carbon Dioxide' **April 7-8th, CHEMCORE 2011**, conducted by MVJ College of Engineering, Bangalore.

15. Short Term Courses Attended

1. "Recent Trends in Optimization Techniques and Applications", TEQIP sponsored one week Short Term Training Programme (STTP) organized by the Department of Computer Science and Engineering, Pondicherry Engineering College during January 4th -9th , 2016.
2. "Bioenergy Conversion Systems-Modeling and Simulation", QIP sponsored one week Short Term Course (STC) organized by the Department Mechanical Engineering, Pondicherry Engineering College during December 14th -18th , 2015.
3. "Academic Leadership Programme (Counseling)", RUSA sponsored one day workshop organized by Pondicherry Engineering College on 21st September 2015.
4. "Importance of Reforms in Higher Education", RUSA sponsored one day workshop organized by Pondicherry Engineering College on 31st August 2015.
5. "Programme Educational Objectives (PEOs) and Programme Outcomes (POs)", RUSA sponsored one day workshop organized by Pondicherry Engineering College on 20th August 2015.
6. 10th Petrotech Summer School 2015 on 'Petroleum Refining and Petrochemicals' conducted by IndianOil – R & D, IIPM and Petrotech at IndianOil Institute of Petroleum Management (IIPM), Gurgaon from 1st to 5th June 2015.

7. 'Concentrating Solar Technologies for Community Cooking, Space Cooling & Process Heat Application' One day workshop Organized by the Renewable Energy Agency of Puducherry (REAP), Government of Puducherry on 14th November 2014 at Sunway GRT Grand, Puducherry.
8. 'Training of Trainers in Entrepreneurship Development' (ToTED) Sponsored by the Ministry of MSME, Government of India from 5th to 9th May 2014 at **ni-msme**, Yousufguda, Hyderabad – 500 045.
9. "Mission 10X", Engineering Faculty Workshop conducted at Pondicherry Engineering College, Puducherry from 23rd to 25th January, 2014.
10. "Sustainable Energy Technologies for the Future Generation", TEQIP sponsored one week Faculty Development Programme (FDP) organized by the Department Mechanical Engineering, Pondicherry Engineering College during November 25th -29th , 2013.
11. "Reverse Osmosis-Principles and Applications", TEQIP sponsored one week Short Term Training Programme (STTP) organized by the Department Chemical Engineering, Pondicherry Engineering College during June 17-21, 2013.
12. "Renewable Energy", AICTE sponsored two weeks faculty development programme organized by the Department of Mechanical Engineering, Pondicherry Engineering College during May 13-25, 2013.
13. "Recent Trends in Measurement and Automation, TEQIP sponsored one week faculty development programme organized by the Department of Electronics and Instrumentation Engineering, Pondicherry Engineering College during December 10-14, 2012.
14. Recent Advances in Green Engineering, TEQIP sponsored one week faculty development programme organized by the Department of Electronics and Communication Engineering, Pondicherry Engineering College during December 03-07, 2012.
15. Modeling and Simulation in Chemical and Environmental Engineering - AICTE – MHRD Sponsored Faculty Development Programme conducted by National Institute of Technology, Calicut from 28th May to 1st June, 2012.
16. "Recent Advances in Nano Technology and its Applications-RAINATA- 2011" – AICTE sponsored Staff Development Programme organized by the Department of Mechanical Engineering of Pondicherry Engineering College during October 19th to 2nd November-2011.
17. 'Research Methodology' AICTE Sponsored two weeks Staff Development Programme conducted by Sona College of Technology, Salem during April 18-30, 2011.
18. 'Scientific Computing in Chemical Engineering'- AICTE Sponsored Quality Improvement Programme Short Term Course (QIP-STC) conducted by IIT G during Dec 6, 2010 to Dec 10, 2010.
19. 'Petroleum Refining and Petrochemicals' conducted at IndianOil Institute of Petroleum Management, Gurgaon from 7th to 11th June 2010.

20. 'Chemical Systems Modeling and Simulation'- AICTE – MHRD Sponsored Faculty Development Programme conducted by National Institute of Technology, Tiruchirappalli from 13th to 17th July, 2009.
21. 'Nanotechnology a Sustainable Alternative to Environment' – AICTE Sponsored Training Programme held at Chemical Engineering Department, SVNIT, Surat during 19th – 23rd January 2009.
22. National Workshop on 'Ontology Engineering and Cheminformatics' – Sponsored by AICTE and Department of Science, Technology and Environment, Government of Pondicherry during 15th – 16th December 2006 organized by the Department of Computer Science and Engineering, Department of Information Technology and Department of Chemistry of Pondicherry Engineering College, Pondicherry.
23. 'Computational Techniques in Chemical Engineering' – An AICTE- ISTE Short Term Training programme organized by Chemical Engineering Department of Maharashtra Academy of Engineering (MAE), Alandi, Pune from December 13, 2004 to December 18, 2004.
24. 'Process Control in Chemical Industries'- An AICTE- ISTE Short Term Training programme organized by the Department of Technology, Faculty of Engineering and Technology, Annamalai University, Annamalainagar, during 15-26 November, 2004.
25. National Seminar on 'Clean and Sustainable Technology' jointly organized by Pondicherry Regional Centre of Indian Institute of Chemical Engineers(IICChE) and Department of Chemical Engineering , Pondicherry Engineering Collge on 10th-11th October 2003 at Hotel Annamalai International, Pondicherry.
26. One day workshop on 'Energy Management' organized by Pondicherry Regional Centre of Indian Institute of Chemical Engineers(IICChE) on 8th February 2003 at Pondicherry Engineering College, Pondicherry.
27. 'Recent Advances in Wastewater Treatment with Emphasis on Anaerobic and Membrane Technologies'- Sponsored by AICTE-ISTE and organized by the Department of Civil Engineering of Pondicherry Engineering College from 16th to 28th December, 2002

16. Conference/STTP/FDP/Guest Lecture Organized

- i) Organized, Guest Lecture on the title 'Global Warming' on 19th March 2015 Jointly by the dept. of Chemical Engineering and the Indian Institute of Chemical Engineers-Pondicherry Regional Centre (IICChE-PRC).
- ii) Organized, Institution of Engineers (India) Sponsored Technical Meet – 2014 on BIO-DIESEL on 10th December 2014.
- iii) Organized, TEQIP sponsored one week Short Term Training Programme (STTP) on the title "Advances in Chemical, Biochemical and Environmental Engineering" ACBEE-2013 during December 2nd - 6th, 2013.
- iv) Organized, TIE LINES 2016, a one day National Level Technical Meet on the title "Advances in Chemical, Pharmaceutical, Biochemical and Environmental Engineering" on 19th March 2016.

17. Guest Lectures Delivered

- (i) Delivered guest lecture on the title “Supercritical Fluids – An Environmental Perspective” in the National Conference on Advances in Sustainable Energy and Environmental Engineering Organized by the Department of Chemical Engineering of Adhiparasakthi Engineering College, Melmaruvathur on 21st February 2015.

18. Number of M.Tech Projects Guided : 06

19. Subjects Taught at Undergraduate Level :

- : Momentum Transfer
- : Chemical Engineering Thermodynamics
- : Chemical Reaction Engineering-I
- : Transport Phenomena
- : Petroleum Refining and Petrochemicals