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Present Position

Assistant Professor, Department of Chemical Engineering, Alagappa College of Technology, Anna University, Chennai from August-2002.

Previous Positions

- Teacher Trainee, Department of Chemical Engineering, ACT, Anna University, Chennai during August-1999 and August-2002.

Previous Additional Responsibility

- Co-signatory, Distance education study centre, Anna University, Chennai during October-2007 and October-2010.
- In-charge Of Ic Engines Laboratory, Department of Chemical Engineering, Anna University, Chennai during August-2007 and August-2016.
- Deputy Controller Of Examination, Alagappa College of Technology, Anna University, Chennai during January-2007 and August-2013.
- Coordinator, Chemical engineering workshop, Anna University, Chennai during May-2006 and July-2008.
- Convener Of Monitoring Committee, Boys Hostel, Anna University, Chennai during May-2001 and February-2004.
- Resident Counselor, Boys Hostel, Anna University, Chennai during July-2000 and February-2004.

Other Employment

- AE Trainee, Tamil Nadu State Transport Corpn (TNSTC- Formerly PRC Madurai) for 1 year.
- LECTURER, KLN, Madurai for 1 year.

Degree

- ❖ M.E. in INTERNAL COMBUSTION ENGINEERING , College of Engineering, Anna University (1999 - 2001).
- ❖ in Diploma in Transport Economics and Management, Institute of Rail Transport, New Delhi, Railway Board (1998 - 1998).
- ❖ B.E. in MECHANICAL ENGINEERING , Thiagarajar College of Engineering (Autonomous), Madurai Kamaraj University (1991 - 1995).

Research Degree

- ❖ Ph.D. in Energy Applications from Faculty of Mechanical Engineering, College of Engineering, Anna University (2003 - 2010).
Title: Experimental Investigation and Thermodynamic Analysis on Heat Recovery from Diesel Engine Exhaust and PCM based Thermal Storage System.

Area of Specialisation

- Thermal Storage System, Waste Heat Recovery, Energy Applications

Membership in Professional Organization

- Indian Society for Technical Education (Membership No LM34340)

Research Guidance

Number of Ph.D Scholars Guiding : 5
Number of M.E./ M.Tech. Projects : 6
Guided

Papers Published in Journals

Research Papers Published in International Journals : 6
Research Papers Published in National Journals : 0

1. S.P. Subramanian, V. Pandiyarajan, R.Velraj, " Experimental Analysis of a PCM based IC engine exhaust waste heat recovery system", International Energy Journal, published by RERIC, Thailand. Vol. 5, Issue 2, pp. 81-92 (2004).
2. K. Nantha Gopal, Rayapati Subbarao, V. Pandiyarajan, R.Velraj, " Thermodynamic Analysis of a Diesel Engine Integrated with a PCM based energy storage system", International Journal of Thermodynamics, published by Yeditepe University, Istanbul, TURKEY. Vol. 13, Issue 1, pp. 15-21 (2010).

3. V. Pandiyarajan, M. Chinnapandian, E. Malan, R. Velraj, R.V. Seeniraj, " Experimental investigation on heat recovery from diesel engine exhaust using finned shell and tube heat exchanger and thermal storage system", International Journal of Applied Energy, published by Elsevier. Vol. 88, pp. 77-87 (2011).
4. V. Pandiyarajan, M. Chinnapandian, V. Raghavan, R. Velraj, "Second law analysis of a diesel engine waste heat recovery with combined sensible and latent heat storage system", International Journal of Energy Policy, published by Elsevier. Vol. 39, pp. 6011- 6020 (2011).
5. M. Chinnapandian, V. Pandiyarajan, A. Prabhu, R. Velraj, "Experimental investigation of a cascaded latent heat storage system for diesel engine waste heat recovery", Energy Sources, Part A: Recovery, Utilization, and Environmental Effects, published by Taylor & Francis . pp. Accepted for publication (2011).
6. M. Chinnapandian, V. Pandiyarajan, R. Velraj, "A study on the thermodynamic analysis of a cascaded latent heat storage system over the single storage tank system for diesel engine waste heat recovery", International Journal of Exergy, published by Inderscience Publishers Ltd – Ibrahim Dincer. Vol. 7, Issue 3, pp. 349- 370 (2012).

Papers Presented in Programmes

Research Papers Presented in International Programmes : 1
Research Papers Presented in National Programmes : 5

1. Chinnappandian M., Pandiyarajan V., Prabhu A., and Velraj R, "Bio-fuel Conversion technologies-an overview" presented in a National level conference on Recent Trends in Mechanical Engineering, organised by NIT Surathkal, Karnadaka, India from 23-Mar-2006 to 25-Mar-2006.
2. Ramesh K., Pandiyarajan V., Chinnappandian M. and Velraj R, "Waste heat recovery from Engine Exhaust" presented in a National level conference on National conference on emerging trends in Engineering, organised by Sri Venkatsaperumal College of Engineering, India from 16-Apr-2007 to 17-Apr-2007.
3. Malan E., Pandiyarajan V., Chinnappandian M. and Velraj R, "Waste heat recovery from Diesel Engine Exhaust" presented in a National level conference on National conference on recent advanced trends Mechanical Engineering, RATMAPE 2008, organised by Mechanical Engg dept, India from 24-Apr-2008 to 25-Apr-2008.
4. Prabhu A., Pandiyarajan V., Chinnappandian M. and Velraj R., , "Waste heat recovery through cascaded thermal storage system" presented in a National level conference on 3rd National conference on emerging trends and innovation in Chemical Engineering, organised by St. Peters Engineering College, 27-28, March 2009, India from 27-Mar-2009 to 28-Mar-2009.
5. Chinnappandian M., Pandiyarajan V. and Velraj R., , "Waste heat recovery from IC Engine and cascaded thermal storage system" presented in a National level conference on National Symposium on Recent Trends in Automotive Engineering, organised by SAE India held at NIT, Rourkela, India from 09-Oct-2009 to 11-Oct-2009.

6. M. Chinnapandian, V. Pandiyarajan, R. Velraj, "Experimental investigation of a latent heat storage system for diesel engine waste heat recovery with and without cascaded arrangement" presented in a International level conference on Mechanical Engg, organised by ICMAR 2011, Thailand, Thailand - Pattaya, Cholburi 20260, from 07-Oct-2011 to 08-Oct-2011.

Programme Organized

1. Co-ordinator, National level Short Course on "Engineering Mechanics" from 15-Jul-2013 to 19-Jul-2013.

Extension & Outreach Programme

1. Co-ordinator, UGC Outreach Training Programme on CAD/CAM, participated by students of Affiliated Engineering Colleges and funded by UGC XII plan held at CIT Coimbatore during 11-Mar-2013 and 16-Mar-2013. No. of participants: 18.