

S J P N Trust's Hirasugar Institute of Technology, Nidasoshi

FACULTY PROFILE

1. **Name in full** : Dr ALUR SIDRAMAPPA
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 4. **Date of Birth** : 29-09-1966
 5. **Address for communication** : Dr S.A.Alur,
 "Anuprabha" Flat Number 209,
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 Belgaum,-590006, Karnataka state
 Landmarks : Harimandir, R.P.D



6. **Educational qualifications :**

Sl. No	Degree	University/ Institution	Year	Specialization
1	Ph. D	NIT Rourkela, Orissa State	2012	Compact Heat Exchangers
2	M. E	Gulbarga University, Gulbarga	1995	Thermal Power Engg.
3	B.E	Gulbarga University, Gulbarga	1989	Mechanical Engg

7. **List of all previous employment:**

Sl. No.	Name of the Employer/ Institution	Period		Designation
		From	To	
1	Hirasugar Institute of Technology, Nidasoshi	February 2012	Till date	Professor
2	Hirasugar Institute of Technology, Nidasoshi	July 2005	January 2012	Assistant Professor
3	Hirasugar Institute of Technology, Nidasoshi	July 2003	June 2005	Senior Lecturer
4	Hirasugar Institute of Technology, Nidasoshi	July 1997	June 2003	Lecturer
5	Rural Engineering College , Bhalki, Bidar	March 1995	July 1997	Lecturer
6	Maharashtra College of Engineering , Nilanga, Latur	August 1990	July 1992	Lecturer
Total years of Experience			25 years	

8. **Date of Service in this Institution: July. 1997**

9. **Total Experience in years: 25 Years**

10. **Subjects of Interest:**

- Heat and Mass Transfer
- Thermodynamics and Combustion Engineering
- Turbo machinery
- I.C. Engines
- Advanced Heat Transfer
- Advanced Power Plant cycles
- Design of Heat Transfer Equipments for Thermal Power Plant

11. **Publications in National and International Journals & Conferences:**

- **National Journals:**

- **Balaji Kr Choudhury., S.A.Alur., R.K.Sahoo., Sunil Kr. Sarangi.** Optimization Analysis of Liquefaction Cycles for Nitrogen., Indian Journal of Cryogenics,37(1-4),pp 34,2012 Volume 37Issue (1-4) (ISSN 0379-0479)
- **International Journals:**
- **Sameer.S. Gajgate , C.Y.Seemikeri , S.A.Alur.,** Need of Microchannel for high heat flux electronics cooling – A survey , available online in IEEE digital explorer library (978-1-4673-6725-7/16/\$31.00 ©2016 IEEE)
- **R.S.Ellur., S.A.Alur.,Santhosh Rathod.,** Experimental Investigation of pressure drop in stationary square channel with 90° ribs ,Journal of Advances in Science & Technology, volume 12,issue Number 25 (Special Issue) ,page number 576-581, December 2016 (ISSN 2230-9659) (<http://ignited.in/1/a/4473>)
- **Sachin Chougule.,Mahesh.R.Ingalagi.,S.A.Alur.,** Influence of Multiple Vortex Generators on the Hydraulic Performance of Air Flow through a Rectangular Duct , Journal of Advances in Science & Technology, volume 12, issue Number 25 (Special Issue), page number 490-494, December 2016 (ISSN 2230-9659) (<http://ignited.in/1/a/4446>)
- **Malagouda Patil., S.A.Alur.,** Steady State Thermal Analysis of Rectangular Fin with Different Cavities , Journal of Advances in Science & Technology, volume 12, issue Number 25 (Special Issue), page number 490-494, December 2016 (ISSN 2230-9659) (<http://ignited.in/1/a/4400>)
- **Mahantesh.N.Shivashimpi., S.A.Alur., S.N.Topannavar.,** Effect Of Cylindrical Combustion Chamber Shape on the Performance and Emission Characteristics of C.I. Engine Operated on Pongamia, , Journal of Advances in Science & Technology, volume 12, issue Number 25 (Special Issue), page number 357-363, December 2016 (ISSN 2230-9659) (<http://ignited.in/1/a/4399>)
- **Kumar Chougala., S.A.Alur.,** Experimental Study Of The Effect Of Distilled water, R O Water, Lubricating Oil, Ethanol And TiO₂nanofluid Concentrations On Pool Boiling Heat Transfer, , Journal of Advances in Science & Technology, volume 12, issue Number 25 (Special Issue), page number 601-605, December 2016 (ISSN 2230-9659) (<http://ignited.in/1/a/4467>)
- **Shivashimpi, Mahantesh M., S. A. Alur, S. N. Topannavar, and B. M. Dodamani.** "Combined effect of combustion chamber shapes and nozzle geometry on the performance and emission characteristics of CI engine operated on Pongamia." Energy, 154 (2018): 17-26
- **Malagouda Patil, Dr. Alur Sidramappa, Rajashekhargoud Angadi.** Experimental Investigation of Enhancing the Energy Conversion Efficiency of Solar PV Cell by Water Cooling Mechanism. IOP Conf. Series, Materials Science and Engineering 376 (2018) 012014 doi:10.1088/1757-899X/376/1/012014.
- **National Conferences:**
- **S.A.Alur., Balaji Kr Choudhury., R.K.Sahoo., Sunil Kr. Sarangi.,** Performance Analysis of plate fin heat exchanger at low Reynolds number. 23rd National Symposium on cryogenics (NSC-23). October 26-30, 2010, National Institute of technology, Rourkela-769008, Orissa, India

- **Kumar Chougala., S.A.Alur.,** paper entitled “Experimental investigation on the effect of TiO₂ and CuO Nanofluids Concentrations on Pool Boiling Heat Transfer” presented at the National conference on Recent Trends in Mechanical Engineering) held at KLECET Chikodi.

• **International Conferences:**

- **S.A.Alur., Balaji Kr Choudhury., R.K.Sahoo., Sunil Kr. Sarangi.,** Simulation of Turboexpander Based Nitrogen Liquefier. Proceedings of the 20th National and 9th International ISHMT-ASME Heat and Mass Transfer Conference. January 4-6, 2010, Mumbai, India.
- **S.A.Alur., Balaji Kr Choudhury., R.K.Sahoo., Sunil Kr. Sarangi.,** Design of High Expansion Ratio Turboexpander for nitrogen Liquefier. Proceedings of the 3rd International Conference on Advances in Mechanical Engineering, January 4-6, 2010., S.V. National Institute of Technology, Surat, India.
- **S.A.Alur., Balaji Kr Choudhury., R.K.Sahoo., Sunil Kr. Sarangi.,** Performance Analysis of plate fin heat exchanger. Asian conference on Applied Super conductivity and cryogenics, November 16-18, 2011, I.U.A.C, .New Delhi.
- **Sameer.S. Gajgate , C.Y.Seemikeri , S.A.Alur. V.V.Rangate .,** Theoretical survey and study of high heat flux electronic devices cooling ,International Conference on recent trends in Engineering and Material sciences (ICEMS-2016) held at Jaipur National University ,Jaipur ,India from 17th to 19th March 2016
- **Mahantesh M Shivashimpi, Dr. S.A. Alur, Prof. S. N. Topannavar and Prof. B M Dodamani,** paper entitled “Combined Effect of Cylindrical Combustion Chamber Shape and Nozzle Geometry on the Performance of and Emission Characteristics of C.I. Engine Operated on Pongemia” published in ISME Proceedings of the 1st International and 18th National ISME Conference on Enabling Sustainable Development in Mechanical Engineering, ISME-2017, held at National Institute of Technology, Warangal, Telangana, India during Feb. 23-25, 2017.
- **Mahantesh M Shivashimpi, Dr. S.A. Alur , Jagadish. A., M.R.Ingalagi,R.S.Ellur** “Effect of Nozzle geometry on the performance and emission characteristics of C.I Engine operated on Palm oil Methyl Ester” Paper presented at the International Conference on Recent Innovations in Science, Engineering & Technology (ICRASET-2018) held at Hirasugar Institute of Technology, Nidasoshi during 18th & 19th May 2018
- **Srinivas Malaghan., Raghavendra Ellur., S.A.Alur** “ Effect of CNG Flow rate and Combustion Chamber Shapes on the Performance of Dual Fuel Engine Operated with HnOME & CNG Paper “ presented at the International Conference on Recent Innovations in Science, Engineering & Technology (ICRASET-2018) held at Hirasugar Institute of Technology, Nidasoshi during 18th & 19th May 2018

12. Training Programming Programmes/Workshops/Seminars/STTPs/Symposiums Attended:

S.N.	Topic	Period	Date	Venue
1	4 th ISTE Annual State Convention	2 Days	3 rd Nov to 4 th Nov 2004,	B. E. C. Bagalkot
2	31 st ISTE Annual National Convention	3 Days	27 th Dec to 29 th Dec 2001	K.I. I. T. Bhubaneshwar

3	Thermal Engineering of Electronic Equipment	1 week	28 th Jan to 1 st Feb 2002	I.I. Sc., Bangalore
4	Processing of Composite Materials	2 weeks	26 th Aug to 7 th Sept 2002	B. E. C. Bagalkot
5	Fundamentals of Cryogenic Technology	1 week	17 th Nov to 21 st Nov 2003	I.I. Sc., Bangalore
6	Optimization of Thermal Systems	2 weeks	6 th Dec to 17 th Dec 2004	I. I. T, Chennai
7	Biodiesel as Bio Fuel	1 Day	8 th August 2005	C.B.M.B. Bangalore
8	Computational Fluid Dynamics	2 Days	13 th Jan to 14 th January 2006	S.S.I.T. Tumkur
9	Cryocoolers :Theory, Design and Practice	4 Days	February 19-22, 2008	IIT Bombay
10	Fundamentals of Cryogenic Engineering	1 week	5 th July to 9 th July 2008	N.I.T, Rourkela, Orissa state
11	Helium Cryogenics	2 Days	10 th July to 11 th July,2008	N.I.T, Rourkela, Orissa state
12	Cryogenics in Biology and Medicine	2 Days	18 th June to 19 th June ,2010	N.I.T, Rourkela, Orissa state
13	Cryogenics	2 Days	26 th to 27 October ,2010	N.I.T, Rourkela, Orissa state
14	Compact Heat Exchangers for aerospace applications	2 Days	21 st to 22 nd December 2015	P.E.S University ,Bangalore
15	Recent trends on Nanotechnology	2 Days	18 th and 19 th January 2016	Alvas Institute of Engineering and Technolgy.Moodabidri,Karnataka state

13. Details of Memberships in societies:

- Life member of I.S.T.E(LM 29498, 2000)
- Life member of Indian Journal of Cryogenics (LM676,2010)