

Curriculum Vitae

Name Sameer Khandekar
Date of birth November 10, 1971 (Jabalpur MP, India)
Designation **P. K. Kelkar Research Fellow**
Associate Professor (since May 2009 - present)
Assistant Professor: September 2004 - April 2009
Present Address Department of Mechanical Engineering
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Academic qualifications

- Ph. D. - University of Stuttgart, Stuttgart, Germany, 2004.
- M. Tech. (Thermo-fluid Sciences) - Indian Institute of Technology Kanpur, India, 2000.
- B. E. (Mechanical Engineering) - Government Engineering College, Jabalpur (MP), India, 1993.

Fields of interest

- Two-phase heat transfer, Heat Pipes and Thermosyphons, Energy systems.

Academic achievements

- DAAD Research Fellow, Technical University of Darmstadt, May-July 2011.
- K. N. Seetharamu Young Researcher Medal, Indian Society for Heat & Mass Transfer, 2010.
- P. K. Kelkar Research Fellowship from IIT Kanpur (October 2009 - September 2012).
- Nominated member of the academic senate of IIT Kanpur, December 2006 - November 2007.
- Nominated member of the academic senate of Indian Institute of Information Technology Design and Manufacturing Jabalpur (MP) during June 2006 - ongoing.
- Invited Professor at Center for Thermal Sciences (CETHIL) at INSA-Lyon, France, May-July 2008 (10 weeks) and May-July 2012 (08 weeks); Heat Pipe Laboratory, University of Chiang Mai, Thailand, September 2006 (2 weeks); Federal University of Santa Catarina, Florianópolis, Brazil, May-July 2005 (10 weeks).
- George Grover Young Scientist Medal from International Heat Pipe Committee, 2007.
- Member of the International Heat Pipe Committee since April 2007.
- Young Scientist Award by the Department of Atomic Energy, Government of India, 2005.
- Over 10 keynote lectures/ invited lectures in national and international conferences.
- Doctoral dissertation grade 1 on a scale of 4 (Highest possible grade; "Summa Cum Laude").
- First position in the M. Tech. Program (batch of Thermo-fluid Sciences) with CPI = 9.7/10.
- Five university gold medals for various achievements including 1st position in the under-graduate B.E. program of Government Engineering College, Rani Durgavati Vishvavidyalaya, Jabalpur (MP) India.
- National merit scholarship for the entire undergraduate education in India.

Member of editorial board

- *Fundamentals of Heat Pipe Science and Technology: An International Journal*
- *Frontiers in Heat Pipes: An International Journal*

Publications: Refereed International Journals (27); Refereed Conferences (40); Book Chapter (01)

Industry experience: 04 years (as a Marine Power Plant Engineer onboard merchant vessels)

Teaching experience: 08 years at IIT Kanpur (Lectures/Tutorials/ Laboratories)

- M. Tech. theses advising: Completed - 25 (04 as co- advisor); Ongoing students - 04
- Ph.D. theses advising: Completed - 01; Ongoing students - 05 (01 as co-advisor)
- Short Term Courses/ Workshops: 08 (in-campus); 04 (in-house training for industry)

Sponsored research experience: Completed - 09 (IITK/BRNS/ISRO/DST/DRDO/MHRD/Industry); Ongoing - 03 (DST/MHRD/DAE/CEFIPRA-Indo-French)

Administrative experience: **INSTITUTE:** Head, Central Workshop-IITK; Treasurer-Alumni Association IITK; Warden-in-charge; Chairman-Transport User's Committee; Member-IITK Golden Jubilee Committee; Member-Counseling Service; Member-DRPG Advisory Committee, Editorial board member: IITK Hindi Magazine.

DEPARTMENT: Coordinator-RAC/HT Laboratory; Coordinator-NPTEL; Coordinator-Website; Member-DPGC/DUGC, Convener/Member-B.Tech. Project evaluation committee, Coordinator-Seminar

Other experience: President/Treasurer of *Shiksha-Sopan*, a voluntary organization run by IITK community working for socially/ economically backward society living in villages around IIT Kanpur.

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Brief bio-sketch in paragraph format:

Dr. Sameer Khandekar is Associate Professor and P. K. Kelkar Research Fellow at the Department of Mechanical Engineering, IIT Kanpur, India.

He completed Masters degree from IIT Kanpur, India (2000) in thermal-fluid engineering and earned doctoral degree from Uni-Stuttgart, Germany (2004). Earlier, he has worked as a marine power plant engineer on board sea-going merchant vessels for four years (1994-1998).

He is a recipient of Prof. K. N. Seetharamu Award (Indian Society of Heat and Mass Transfer, 2010), George Grover Medal (International Heat Pipe Committee, 2007) and Young Scientist Award (Department of Atomic Energy, India, 2005). He is a member of the International Heat Pipe Committee and editorial board member of two international journals on heat pipes. He has served as an invited faculty member at four international universities. He has over 30 research publications in international journals and an equal number of presentations in international conferences.

His current research interests are in experimental microscale phase-change thermo-fluidic systems, boiling and condensation, heat pipes and energy systems.
