



Dr. Shobha Lata Sinha is Professor in Mechanical Engineering at National Institute of Technology Raipur (India). She has received her Bachelor of Engineering Degree in Mechanical Engineering from Govt. Engineering College Raipur (Presently NIT, Raipur), Post Graduate Diploma In Industrial Management from Pt Ravishankar Shukla University, Raipur, CG, Master in Engineering Degree from Guru Ghasi Das University (Presently Central University), Bilaspur, CG and Ph.D. from Indian Institute of Technology, Kharagpur, W. B. She has about 41 years of teaching (37 years of research and 15 years of administrative experience) in Govt. Polytechnic, Durg /Govt. Engineering College, Raipur /NIT, Raipur, CG. She has participated in many conferences / seminars to present research papers, to deliver keynote speeches or to chair the academic sessions of national and international level. She has been involved in organizing many workshops / training/seminars/conferences and delivering expert lectures.

She has published 4 books, 7 patents, 15 book chapters, 93 papers in International/National Journals, about 92 papers in International / National Conferences and 51 newspaper articles. She is the reviewer of many journals in her field of research. She has edited various Proceedings of the International/national conferences. She has guided many projects to undergraduate and post graduate students. She has completed Ph D of 16 students and is currently supervising five candidates for their doctoral program. She is the expert of Bio-gas Generation & Fertilizer Project of M/S R V Organics, Raipur. She is presently working on Waste utilization by converting kitchen waste to bio gas.

She is the principal investigator of mini research project on “Determination of Operating Conditions for hydro-transport of mineral slurry based on wall shear stress and head loss measurement for mineral industries of Chhattisgarh State”. She has attended various training programs under Canada India Institute Industry Linkage Project (CIILP) under MHRD, India and Canada Govt. She has been the representative of Women in Development Cell (2000-2004) and Gender Equality (2004-2005) under CIILP. She has also been Nodal Officer of Chhattisgarh - Indian Institute of Technology, Kanpur, Knowledge Sharing Program since 2005.

She was selected for “National Scholarship Scheme” of Ministry of Education & Culture, Govt. of India. She was conferred with “Young Scientist Award” in Young Scientist Congress organized at Pt Ravishankar University, Raipur by Madhya Pradesh Council of Science & Technology, Bhopal, M.P. in 1991. She has been recognized for Systematic and original Research work done as Research Scholar under Quality Improvement Programme by Indian Institute of Technology,

Kharagpur, W. B. during 1997-2000. She has also been recognized for her excellent work done as Representative of Women In Development Cell of Canada India Institute Industry Linkage Project at Govt. Engineering College Raipur, C G. She has been honoured as Jury member of Selection Committee of 8th National F L Smidth Awards for Cement Industries on Jan21, 2006.

She has been honored by The Institution of Engineers (India) Chhattisgarh State Centre in 2012 for her valuable contribution in the field of Technical Education on Teacher's day. She has also been honoured on Engineer's day in 2002 for outstanding contribution in the field of engineering. She has been nominated for "Rashtriya Gaurav Award" in 2004 & 2013, Glory of India Award in 2012, Rajiv Gandhi Excellence Award in 2010 & 2011, Indira Gandhi Achiever Award in 2010 and International Gold Star Award in 2010 by India International Friendship Society, India. She has also been nominated consecutively for two years i.e. 2005 and 2010 for 'Best Citizen of India Award' by International Publishing House, Delhi. She has also been nominated for the Bhaskar Women of the year Award-2010. She has been the recipient of "Shiksha Rattan Puraskar" offered by India International Friendship Society on April 7, 2010. She has also been selected for "Rashtriya Ratna Shiromani Award" by Modern India Interaction Society in Feb 2002. She is the recipient of RULA Awards for innovative Young Researcher In Rheological Study of Drilling Fluid, by international Journal for Research Under Literal Access, Trichy on Nov 12, 2018. She is the recipient of Certificate of "Outstanding Contribution in Reviewing" in Nov 2018 for the Journal: Energy Conversion and Management, Elsevier. She has received the Best Paper Presentation Award in the International Conference on "Recent Innovations in Science, Engineering and Technology", organized by Institute for Scientific and Engineering Research in Dubai on April 28, 2018. She is the recipient of Certificate of "Outstanding Contribution in Reviewing (March 2017) in recognition of the contribution made to the quality of the journal, issued by the Editors of Applied Thermal Engineering, Elsevier, Amsterdam, The Netherlands.

She is a Fellow member of Institution of Engineers (India), life member of Indian Society for Technical Education, life member of Indian Society of Heating Refrigerating and Air-conditioning Engineering, life member of Indian Science Congress Association (Kolkata) and life member of National Society of Fluid Mechanics and Fluid Power. She has been authorized to use the style and title of Chartered Engineer by Virtue of Professional Training Experience and Corporate Membership of Institution of Engineers (I).

She has also worked as Head of Computer Science & Engineering Department (2006-2013), Head of Computer Applications (2019-2023), Head of Mechanical Engineering Department (2023-2025) and Exam Controller (2011-2012). She has also been involved in curriculum development of Diploma, undergraduate and post graduate courses in Mechanical engineering. She has been an active member of various committees at the institute level as well as a member of selection committees of faculties of several institutes. She was the chairperson of "National and Industrial Collaboration Cell" and "Fire and Safety". Her areas of current research interest are Environmental Engineering, Alternative Fuels & Advances in I C Engines and Applications of Computational Fluid Dynamics in various fields. Contact Details: Phone: +91-788-2242594, email: shobha_sinha1@rediffmail.com, slsinha.mech@nitrr.ac.in