

Professional Profile of **Dr S A MOHAN KRISHNA**

S A Mohan Krishna

Associate Professor, Department of Mechanical Engineering, Vidyavardhaka College of Engineering, Mysore, India

Description

Description

Dr S A Mohan Krishna, is an Indian based academician, a professor in the Department of Mechanical Engineering at Vidyavardhaka College of Engineering, Mysuru, India. He has been awarded with numerous state, national and international awards for engineering education, science popularization and communication. He has been in the editorial board for many prolific national and international journals. He is known for his works in the thermal engineering, science popularization and astronomy. [Wikipedia](#)

Place of birth: Karnataka

Born: 06-10-1980

h-index: 11

Affiliation: Vidyavardhaka College of Engineering, Mysuru, Karnataka, India

Research interests: Thermal Engineering, Astronomy, Space Science, Cosmology,

Education: Vidyavardhaka College of Engineering, Sri Jayachamarajendra College of Engineering and The National Institute of Engineering, India

Known for: Thermal Engineering, Science Education and Astronomy.

Professional Profile:

Dr S A Mohan Krishna, is an Indian based academician, an associate professor in the Department of Mechanical Engineering at Vidyavardhaka College of Engineering, Mysuru, India. His area of specialization is Mechanical Engineering. He has been awarded with numerous state, national and international awards for engineering education, science popularization and communication. He has been in the editorial board for many prolific national and international journals. He is known for his works in the thermal engineering, space science, science popularization and astronomy.

(1) Educational Background

Dr. S A Mohan Krishna is a person with humbleness and simplicity in approach, positively ambitious in life and ply with pragmatic thoughts. He completed Bachelor of Engineering from one of the prestigious institutions in Mysuru, **Vidyavardhaka College of Engineering (VVCE)** in 2003, Karnataka, India, M. Tech in Energy Systems from **Sri Jayachamarajendra College of Engineering (SJCE)**, Mysuru, Karnataka, India in 2010, presently JSS University of Science & Technology and completed Ph. D from **The National Institute of Engineering (NIE)**, Mysuru, Karnataka, India in 2017. He joined as a lecturer in Vidyavardhaka College of Engineering (VVCE) in 2005 and is presently working as an associate professor in the department of mechanical engineering, Vidyavardhaka College of Engineering, Mysore. He has worked in various capacities namely Lecturer, Senior Lecturer (2010), Assistant Professor (2011 – 2014) and Associate Professor (2014 – till date) in the institute.

(2) Early Life

Mohan Krishna has been very inquisitive and innovative since childhood. He was born to Sri S K Ananda Thirtha and Smt. S Anasuya on October 6, 1980 at Mysore. Both of his parents are teachers. His early ambition was to become a cricketer and later he could excel as a successful academician.

(3) Research Acquaintance

Dr Mohan Krishna completed his doctoral degree in 2017 in the areas of **Thermal Engineering and Computational Materials Science** and the title of his doctoral thesis is '**Thermal Characterization of Al 6061- SiC – Graphite Hybrid Metal Matrix Composites**'. His research work includes theoretical, experimental and computational approaches. He established extremely good contacts with some of the research oriented organizations like National Aerospace Laboratories (NAL), Hindusthan Aeronautics Laboratory (HAL), National Physical Laboratory (NPL), National Metallurgical Laboratory (NML), National Materials Laboratory (NML), National University of Singapore (NUS), and Nanyang Technological University while carrying out his research work. His area of interest in both teaching and research is mainly **Thermal Engineering**. Special topics include Computational Fluid Dynamics, Cryogenics, Alternate & Biofuels, Automotive Mechanics, Experimental Heat Transfer, Renewable Sources, Thermal Management of Electronic Equipment, Energy Conservation and Management, Gas Dynamics, Jet and Rocket Propulsion, Nanofluids, Heat Exchangers, Heat Sinks, Space Science & Technology, Materials Processing and Characterization, and Thermal Characterization Techniques.

(4) International Recognition & Affiliations

Dr. Mohan Krishna has published over 100 papers in peer reviewed international journals and has presented papers at **Qatar (ICAMR), Bangkok and Singapore (ICMAT)** in international conferences and also national conferences in various parts of India. Few of his papers have very good citation and have been indexed in many international indexing agencies. He is in the editorial and reviewer board for over 110 reputed referred national and international journals including the most prominent namely **Scopus, Thomson Reuters, Taylor & Francis, ASME, ASM International, Science Citation Index, Web of Science, Elsevier and Springer**. Very important international journals include Journal of Thermal Analysis & Calorimetry, Journal of Thermal Engineering & Applications, Journal of Thermodynamics, Journal of Fluid Mechanics, International Journal of Heat and Mass Transfer, Journal of Thermal Engineering, Experimental Heat Transfer, Journal of Refrigeration, Cryogenics, Journal of Thermal Science, Journal of Materials Science, Journal of Composites, Journal of Solar Energy and many more national and international journals. Earlier, he had authored his three books in the stream of engineering with the titles, 'A Text Book on Cryogenics', 'A Book on Illustrative Problems in Engineering Thermodynamics' and 'A Book for Competitive Examinations in Mechanical Engineering'. A book on 'Computational Fluid Dynamics' is in pipeline. He was also in the technical advisory committee for the international conferences held at Taiwan, South Korea,

Vancouver and New Delhi. He has international affiliations, association and collaboration with nations namely USA, Budapest (Hungary), Johannesburg (South Africa), France, Germany, Iran, United Kingdom, Hong Kong, Taiwan, Italy, Netherlands, Belgium, South Korea, Virginia, Singapore and Malaysia. He is also a research supervisor and is currently guiding three research scholars. Project proposals, consultancy, outreach, research publications, book chapters and patent have been favorites of him. He has a credit in completing over 1700 online courses in a record time, wherein courses have been done from Coursera, Open Learn, Udemy, Harappa, Udacity, Khan's academy and so on. One book chapter to his credit.

(5) Academic & Research Collaborations

Earlier, he was a good sportsman and had represented national level cricket in U-19 tournaments. Additionally, he is a science promoter, communicator and popularizer. Dr. Mohan Krishna has been a BoE (Board of Examiners) member for a few academic institutions. He is an educational consultant too. He has taken up a few engineering consultancy projects in the field of energy conservation and thermal engineering. He has the credit in getting published a patent under the title, 'Development of an automated ploughing tiller' in 2019 and Agricultural Mulching Machine in 2020 & the other two have been communicated. He has been responsible for making the students to take up innovative engineering projects and few of the projects have been highly appreciated and have been greatly recognized. He is also the part of Institution Innovation Council. He has initiated science and astronomy related initiatives and activities in Mysuru and has been instrumental in starting Mysore Astronomical Society and EUREKA Science Motivators. He has taken a few additional responsibilities in the institution and has taken initiatives. He has organized many national level faculty development programmes, student workshops, international conferences and international webinar exhaustively. He has been extremely active with Rotary club, Society of Energy Engineers & Managers, Indian Society of Heat & Mass Transfer, Indian Cryogenic Council, IEEE, Fluid Mechanics and Fluid Power Society, Combustion Institute, and many more international professional bodies. He has been an executive committee member for various professional bodies relating to education, engineering, science and astronomy. He is also a recognized motivational and international speaker.

(6) International Affiliations

He is a life member, honorary member & fellow for American Society of Mechanical Engineers, American Society of Thermal & Fluid Engineers, South Asia Institute for Science & Engineering, Hong Kong, International Association of Engineers, USA, International Institute of Aeronautics & Astronautics, USA, Senior Member of Electrical & Electronics Engineering, Institute for Engineering Research & Publication, Communication Institute, Greece, National Society of Professional Engineers, Global Scientific Innovative Research, Malaysia, International Council of Academies of Engineering and Technological Sciences, Indian Society of Heat and Mass Transfer, National Society for Fluid Mechanics and Fluid Power, Indian Society for Technical Education (ISTE), REST Society for Research International, Institution of Engineers (IoE), Indian Society of Mechanical Engineers (ISME), Society of Automotive Engineers (SAE), Aeronautical Society of India, International Association for Engineering & Technology, IET, Confederation of Indian Industries, The Indus Entrepreneurs, Quality Circle Forum of India, Federation of Karnataka Chambers of Commerce and Industry (FKCCI),

International Scientific Research Organization for Science, Engineering & Research, International Institute of Organized Research, and Indian Society of Heating, Refrigerating and Air Conditioning Engineers (ISHRAE). He is also associated with Indian Cryogenic Council, Indoor Air Comfort Society and Association of Ammonia Refrigeration. Apart from the profession, he is a recognized amateur astronomer and freelance science writer & journalist.

(7) Other Science Based Associations

At the age of 6 (1986), his interest towards Astronomy evinced by seeing to the most resplendent and effulgent comet, 'Halley'. He has been keenly associated with Mysore Astronomical Society, International Astronomical Union, Paris, Astronomical Society of India, Breakthrough Science Society, Karnataka Rajya Vignana Parishat (KRVP), Mysore Science Foundation, Gravity Science Foundation, Indian Academy of Sciences, Materials Research Society of India, Green Building Association, Bangalore Association of Science Education (BASE), Bangalore Astronomical Society, Numismatics Society, Rotary International Foundation, Computer Society of India and various other science and astronomical societies and service oriented associations in popularizing and communicating Physics, Astronomy and Astrophysics, Cosmology, Has been **Honorary Rosalind Member for London Journal Press and Universal Association for Mechanical and Aerospace Engineers, New York, USA based on the credit given to his paper, "Significance Practicality Authenticity Opulence of Observational Astronomy Leading to Various Extraordinary Applications in Engineering."** His hobbies include astrophotography, numismatics, outreach activities, observational astronomy, and science communication & popularization.

(8) Awards, Honors & Accolades

Dr Krishna is the recipient of NIE Gold Medal, Dr. Raj Achievement Technology Award, Bharataratna Sir M Visveshvaraya Achievement Award, Dr. A P J Abdul Kalam Achievement Award, Dr. S Radhakrishnan Education Award, Dr. Satish Dhawan Excellence Achievement award, Sir C V Raman Lifetime Achievement award, ISHRAE Chapter Service award, Dr. Raja Ramanna award, Dr. U R Rao Achievement International Excellence award, Dr. M G K Menon International Excellence award, Outstanding Performance Award, IARE award, International Teachers' Excellence Achievement award, Professional Excellence International award, Best Teacher award, National Eminent Educator award, Dedicated Educator award, IABE award, Outstanding Researcher award, Sir J C Bose International Excellence award, RSRI Researcher award and many more which have been conferred to him in the field of science, education, engineering, astronomy, and technology by various prestigious and premier associations and professional bodies. He has been awarded state, national and international awards with recognition to his achievements in Science, Engineering, Education, and Astronomy. He has been given three honorary doctorates by three vocational varsities. He has many national and international recognitions, distinctions and affiliations also. Since 1997, he started delivering lectures when he was an engineering student. He has given over 170 programmes in television and radio too and has delivered over 800 talks in Science, Education, Engineering, Astronomy and general topics. Contributed over 2200 science, technology and astronomy articles in popular newspapers, magazines and periodicals and is comprehensively aiming to reach greater heights.

Dr S A Mohan Krishna

Professor at [Vidyavardhaka College of Engineering, Mysuru](#)

In office

October 2005 – present

Personal details

Born Karnataka

Nationality  [Indian](#)

Residence [Mysuru, Karanataka, India](#)

Alma mater [Visveshvaraya Technological University, Belegavi, Karnataka](#)

Profession Professor

Known for Thermal Engineering, Astronomy, Science Education, Space Science, Materials Science

Website www.vvce.ac.in