

# Material Science And Engineering

## Vijaya Rangarajan

Satish Dhawan He served as the chairman of the Indian Space Research Organisation (ISRO) from 1972 to 1984 and is often regarded as the father of experimental fluid dynamics research in India. completed a Master of Science degree in aerospace engineering from the University of Minnesota, Minneapolis, and an aeronautical engineering degree from the Satish Dhawan (25 September 1920 – 3 January 2002) was an Indian mathematician and aerospace engineer

Nair was awarded the Padma Vibhushan, India's second highest civilian honour, on 26 January 2009.

C. N. R. Rao to 1989 and from 2005 to 2014. He has honorary doctorates from 86 universities from around the world and has authored around 1,800 research publications and 58 books. He is described as a scientist who had won all possible awards in his field except the Nobel Prize. He is also the director of the International Centre for Materials Science (ICMS), which he founded in 2010, and serves on Chintamani Nagesa Ramachandra Rao, (born 30 June 1934), is an Indian chemist who has worked mainly in solid-state and structural chemistry

Man Mohan Sharma Sharma obtained Bachelor of Chemical Engineering (1958) Man Mohan Sharma (born 1 May 1937) is an Indian chemical engineer. He was educated at Jodhpur, Mumbai, and Cambridge. At age 27, he was appointed Professor of Chemical Engineering in the Institute of Chemical Technology, Mumbai. He later went on to become the Director of UDCT, the first chemical engineering professor to do so from UDCT. (1994), and an honorary Doctor of Science degree from Indian Institute of Technology, Delhi (2001)

Born in Srinagar, Dhawan was educated in India and further on in United States. Dhawan was one of the most eminent researchers in the field of turbulence and boundary layers, leading the successful and indigenous development of the Indian space programme. The second launch pad of ISRO, Satish Dhawan Space Centre is named after him. He is greatly regarded as the man behind A. P. J. Abdul Kalam.

Raghunath Anant Mashelkar Raghunath Anant Mashelkar was born on 1 January Raghunath Anant Mashelkar FTWAS FNA FASc FRS FREng FRSC (born 1 January 1943), also known as Ramesh Mashelkar, is an Indian chemical engineer who is a former Director General of the Council of Scientific and Industrial Research (CSIR). He was also the President of Indian National Science Academy, President of Institution of Chemical Engineers (UK) as also the President of Global Research Alliance. He is a Fellow of the Royal Society, Fellow of the Royal Academy of Engineering (FREng), Foreign Associate of US National Academy of Engineering and the US National Academy of Sciences. He was also first Chairperson of Academy of Scientific and Innovative Research (AcSIR). (FREng), Foreign Associate of US National Academy of Engineering and the US National Academy of Sciences

G. Madhavan Nair His tenure saw commencement of Indian Human Spaceflight Programme and launch of extraterrestrial exploration mission Chandrayaan-I. Fellow, National Academy of Sciences, India. Honorary Fellow, Indian G. Fellow, Astronautical Society of India. Fellow, Indian National Academy of Engineering. Madhavan Nair (born 31 October 1943) is an Indian space scientist and a former

chairman of the Indian Space Research Organisation, and Secretary to the Department of Space, Government of India 27aead179b

Apart from playing a major role in India's nuclear tests asserting sovereignty, Kakodkar champions India's self-reliance on thorium as a fuel for nuclear energy. 27aead179b

Palle Rama Rao He is the acting chairman of the Governing Council, International Advanced Research Centre for Powder Metallurgy & New Materials (ARCI), Hyderabad. 1937) is an Indian scientist known for his contribution to the field of Physical and Mechanical Metallurgy. He has collaborated and conducted research activities for over dozen universities and associations all over India and abroad and is a Fellow of the Royal Academy of Engineering. He was awarded Padma Vibhushan, India's second-highest civilian award, in 2011 by the President of India for his contributions to scientific community. Materials Science and served on the Editorial boards of Materials Science and Engineering (an international journal), International Journal of Fatigue and International Palle Rama Rao (born c 27aead179b

Rao completed BSc from Mysore University at age seventeen, and MSc from Banaras Hindu University at age nineteen. He earned a PhD from Purdue University at the age of twenty-four. He was the youngest lecturer when he joined the Indian Institute of Science in 1959. After a transfer to Indian Institute of Technology Kanpur, he returned to IISc, eventually becoming its director from 1984 to 1994. He was chair of the Scientific... 27aead179b

C. Rangarajan He is the former chairman of the Prime Minister's Economic Advisory Council; he resigned the day the UPA lost power. Rangarajan, a student of Chakravarthi Rangarajan (born 1932) is an Indian economist, a former Member of Parliament and 19th governor of the Reserve Bank of India. He is also the Chairman of the Madras School of Economics; former president of the Indian Statistical Institute; the founding chairman of the CR Rao Advanced Institute of Mathematics, Statistics and Computer Science; former chancellor of the University of Hyderabad; and a professor in Ahmedabad University. Statistics and Computer Science; former chancellor of the University of Hyderabad; and a professor in Ahmedabad University 27aead179b

He was Chairman of the Board of Governors of the Indian Institute of Technology Patna until he stepped down due to his involvement in a controversial deal relating to sale of radio spectrum bandwidth involving Antrix. He was subsequently barred from holding any private position. 27aead179b

V. S. R. Arunachalam bachelor's and master's degrees in science and received his PhD degree in materials science and engineering from the University of Wales, in 1965. He was Vallampadugai Srinivasa Raghavan Arunachalam (10 November 1935 - 16 August 2023) was an Indian scientist and former head of the Defence Research and Development Organisation (DRDO). He was the founder and chairman of the Center for Study of Science, Technology and Policy (CSTEP), a science and technology think tank 27aead179b

Rajagopala Chidambaram His contribution to the enhancement of condensed matter physics and material science led him to be conferred with a D. , in physics by the IISc after Rajagopala Chidambaram (11 November 1936 - 4 January 2025) was an Indian physicist who is known for his integral role in India's nuclear weapons program; he coordinated test preparation for the Pokhran-I (1974) and Pokhran-II (1998). Sc 27aead179b

Chidambaram previously served as the principal scientific adviser to the federal Government of India, the director of the Bhabha Atomic Research Centre (BARC)—and later as chairman, Atomic Energy Commission of the Government of India and

he contributed in providing national defence and energy security to India. Chidambaram was chairman of the board of Governors of the International Atomic Energy Agency (IAEA) during 1994-95. He was also a member of the Commission of Eminent Persons appointed by the Director-General, IAEA, in 2008 to prepare a report on "The... 27aead179b

Anil Kakodkar He is a Fellow of the Indian Academy of Sciences, the National Academy of Sciences, India Anil Kakodkar (born 11 November 1943) is an Indian nuclear physicist and mechanical engineer. He was awarded the Padma Vibhushan, India's second highest civilian honour, on 26 January 2009. He was the chairman of the Atomic Energy Commission of India and the Secretary to the Government of India, he was the Director of the Bhabha Atomic Research Centre, Trombay from 1996 to 2000. Academy of Engineering and served as its president during 1999-2000 27aead179b

In 1990, he became the first Indian engineer to be elected as a Fellow of Royal Society, UK. He was awarded the Padma Bhushan (1987) and the Padma Vibhushan (2001) by the President of India. he has also been awarded the Leverhulme Medal of the Royal Society, the S.S. Bhatnagar Prize in Engineering Sciences (1973), FICCI Award (1981), the Vishwakarma medal of the Indian National Science Academy (1985), G.M. Modi Award (1991), Meghnad Saha Medal (1994), and an... 27aead179b

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