

## Brief Bio-Data of Dr R Gopalan



Dr R Gopalan is working as **Regional Director** at International Advanced Research Centre for Powder Metallurgy and New Materials (ARCI), Department of Science & Technology(DST), Government of India. He is heading the Project Centres of ARCI at IIT Madras Research Park, Chennai for Alternative Energy Materials and Systems. He is also holding **Adjunct Professor** position at Department of Metallurgical & Materials Engineering, Indian Institute of Technology(Madras), Chennai. He obtained his Master's degree in Physics (1983) from Madurai

Kamaraj University, Madurai, M. Tech in Materials Technology (1985) from Banaras Hindu University, Varanasi and Ph.D in Physics (1996) from IIT(Madras), Chennai. In 1985 he joined as Scientist, at Defence Metallurgical Research Laboratory (DMRL,), Hyderabad and worked on various levels for National Mission (DRDO & ISRO) Projects for more than 22 years. He had a Research stay for nearly 5 years as **Visiting Scientist at National Institute for Materials Science (NIMS)**, Japan during 2003-2010. After returned from Japan in 2010 he joined ARCI and established a new Project Centre on Automotive Energy Materials at IITM-Research Park, Chennai. He is coordinating major programmes at ARCI on Li-ion battery for Electric Vehicle (EV) applications, Magnets for Automotive applications, Fuel cells for energy storage & conversion and thermoelectric materials for waste heat management in a Public-Private Partnership (PPP) mode. His dynamic approach in setting up the state-of-the-art facilities under mission mode has led to a Mega Project from DST on establishing a Technical Research Centre on Alternative Energy Materials & Systems focusing on energy storage (batteries), energy conversion and recovery (magnets and thermoelectric technology) and energy generation (solar, fuel cell) . He has **published more than 160 papers in refereed international / national journals and has 6 patents** to his professional credit. He has guided or guiding the Ph.D work of many of his colleagues / students at ARCI and IITs / NITs. For his outstanding academic, research and technology development contributions over the years, Dr. Gopalan has received many awards and a few of them are: **Best Ph.D thesis award** at IIT(M) Chennai in 1996, **National Science Day Medal Award at DMRL (DRDO)** in 2006 and **Technology Award at DMRL** in 2008, **Best Metallurgist of the year award in 2013 from Ministry of Steel, Govt. of India, Materials Research Society of India Medal Award, 2014, National Award for Excellence in Science and Technology 2017 from Indian Society of Analytical Scientists.** Dr Gopalan is member of many of the Scientific Bodies / Programme Committees in India and Abroad. He is also a Elected fellow of Indian National Academy of Engineering (**INAE**), Telangana Academy of Sciences and , Academy of Sciences Chennai.