

# Short Curriculum Vitae of Dr. N. K. S. Rajan

**Name:** Prof. N. K. S. Rajan

**Occupational Address:** Chief Research Scientist  
Combustion, Gasification & Propulsion Laboratory (CGPL)  
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Bangalore 560 012

**Personal Information:**  
**Father's Name:** N. S. Krishna Iyengar  
**Date of Birth:** October 14, 1954  
**Place of Birth:** Nagamangala, Karnataka, India  
**Marital Status:** Married  
**Spouse's Name:** M. S. Kalyani

**Academic Qualifications:** Ph.D. in Faculty of Engineering (Aerospace Engg.), IISc (1990)  
B.E. in Mechanical Engg., Univ. of Mysore (1979), I Class

**Experience** Chief Research Scientist, Aerospace Dept., IISc, 2013 and onwards  
Principal Research Scientist, Aerospace Dept., IISc: 2002-2013  
Senior Scientific Officer, Aerospace Dept., IISc: 1993-2002  
Research Associate: 1990-92;

**Fields of Research** Combustion; Heat Transfer; Fluid Dynamics (Experimental and Computational);  
Biomass Gasification; Renewable Energy; Advanced CFD Simulations, Instrumentation;  
Numerical Modelling (Analysis and Simulation); RSD Analysis, GIS Application  
Development; Advanced Application Software Development

**Experience** More than 25 years of Academic Research and R&D in sponsored projects  
(Government Sponsored & Industrial Consultancy).  
Has been expert member of several committees of the Institute and outside in  
Governmental and Autonomous Institutions.

**R&D Projects:** Principal Investigator for 30 Sponsored R&D projects and Co-Investigator of about 10  
other R&D projects with a total of operating projects outlay of about Rs.75 Crores.

**Academic Guidance:** Research: 18 PhD (10 completed); 5 MSc (Engg) (2 completed); Academic Projects:  
More than 150 ME/MTech; Several batches of B.E. (dissertation projects for their  
degree)

**Patents and Awards:** 16 Patents in India and abroad with myself as one of the inventors;  
3 Group Awards of National Level: FICII, 2004-05; CII-2007 and Nina Saxena 2011 –  
IITKG for excellence in Technologies in Biomass Energy, of which I am a cited member.

**Publications** About 120 Research Publications (80 in International Journals and Conferences and 40  
National Conferences); 14 Patents; 8 Internal Technical (Departmental) Reports.

**Activities of Social  
Relevance** Development of technologies in renewable energy and licenced it for entrepreneurs  
for commercialization that is currently saving a millions of litres of fossil fuel.  
  
Has been a member of trustees of a charitable institution Chidambarashram, Gubbi  
that is supporting poor Brahmin children for their education and get them exposed to  
Vedic culture.  
  
Has been on the board of studies of many engineering colleges to advice on the  
curriculum of their college.