



## **Dr K V Raghavan**

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**Dr. K V Raghavan** (*DOB: 01.10.1943*) is a Fellow of the National Academy of Engineering, Indian Institute of Chemical Engineers (IChE) and A.P. Akademy of Sciences and a Distinguished Fellow of University of Grants Commission (UGC). He did his B.Tech from Osmania University in 1964; M.S. and Ph.D from the Indian Institute of Technology (IIT), Madras. He joined CSIR service in 1964 and worked in three national laboratories. He was appointed as the Director of Central Leather Research Institute (CLRI), Chennai in 1994. He took over the Directorship of Indian Institute of Chemical Technology, Hyderabad in 1996. On successful completion of this tenure, he was appointed as the Chairman of Recruitment and Assessment Centre of DRDO, Ministry of Defence, Government of India in May 2004. Dr. Raghavan has taken up INAE Distinguished Professorship in October 2008 at IICT, Hyderabad. His research group is engaged in reaction engineering studies pertaining to green processes.

Chemical process development and design, reaction engineering, simulation and modeling and chemical hazard analysis are his areas of specialization. His basic research contributions cover simulation of complex reactions in fixed bed reactors, hydrodynamics of multiphase reaction systems, envirocatalysis for clean processing, zeolite catalysis for macromolecules, thermochemistry and kinetics of charge transfer polymerization and modeling of chemical accidents. His current research activities are in process intensification of water gas shift reaction, catalytic CO<sub>2</sub> decomposition, analysis of CO<sub>2</sub> capture technologies and characterization of the reactivity of ionic liquids.

He published more than 120 papers, filed 45 patents and edited 3 books. His applied research efforts, covering a time span of over four decades, contributed to

the successful development of more than 25 chemical processes with high industrial impact in bulk organics, specialities, oil field chemicals and fluoroorganics. He made significant contribution to the technological upgradation of leather, agrochemical and drugs/pharma sectors.

**Dr. Raghavan** is currently the Member of Atomic Energy Regulatory Board and the Director of Heavy Water Board (Govt. of India), Mumbai, Godavari Biorefineries Ltd., (Mumbai) and Suven Life Sciences (Hyderabad). He is the Chairman of Project Review and Monitoring Committees of DRDO on catalytic ethanol reforming, nanofluid systems and other strategic projects. He is the member of the Apex Committee for R&D in the Ministry of Environment and Forests, Government of India. He was the Principal Scientific Investigator (2009-11) of INAE Project on “R&D Impact on Indian Chemical Industry”. He was the member of PMC of multi-institutional programme (2002-12) of CHT-CSIR-DRDO for the successful development of India’s first synthetic aviation lubricant system.

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**Dr. Raghavan** is currently the Chairman of the Research Council of CLRI, Chennai, and BITS, Pilani was represented on the Senate and Academic Councils of Anna University and School of Chemistry of Hyderabad University. He served as Honorary Professor at Anna University and Indian Institute of Technology (Kharagpur) and as member of the Research Councils of GAIL, IOC (R&D), NCL (Pune), RRL (Bhubaneswar), CFRI (Dhanbad) and CPPRI (Saharanpur). He successfully coordinated the India’s unique Biotechnology Incubation Centre established at Genome Valley, Hyderabad.

He was the member of Scientific Advisory Committee of the Ministries of Petroleum and Natural Gas and Health of Government of India. He was represented on the high level committees of Govt. of A.P on natural gas utilization and establishment of pharma research and development fund. He was the past President of Indian Institute of Chemical Engineers and A.P. Akademy of

Sciences. Currently, he is the Vice President (*Academic and International Cooperation*) of Indian National Academy of Engineering (INAE) and Federation of Asian Biotechnology Association (FABA).

**Dr. Raghavan** visited more than 25 countries in North and South America, Europe, Russia, Caribbean, Africa, Middle East, Far East and South East Asian regions under bilateral and multilateral programmes with NSF (USA), European Commission (Brussels), Hungarian and USSR Academy of Sciences, UNDP, UNIDO, Commonwealth Science Council, Japanese Institute of Chemical Research and Asia Pacific Council for Chemical Engineering. He very recently represented INAE at the CAETS working group meeting on low carbon energy technologies at Zurich, Switzerland.

**Dr. Raghavan** is the recipient of the Hindustan Lever Award of the Most Outstanding Chemical Engineer, NRDC Invention Promotion Award, Pilot Officer D V Ranga Reddy Gold Medal, J N Sinha Roy Memorial and ChemTech Foundation Awards, Nayudamma Gold Medal of AP Akademy of Sciences (2010) and Institution of Engineers Award of Outstanding Chemical Engineer (2010).