

Dr R Subramanian
Chief Scientist
Central Food Technological Research Institute, Mysuru

Dr. R. Subramanian obtained an honours degree in Mechanical Engineering from PSG College of Technology (Coimbatore), University of Madras in the year 1982 and subsequently obtained a doctoral degree in Bioresource Engineering from the University of Tsukuba, Japan in 2001.

He joined Central Food Technological Research Institute (CFTRI) in 1984, as a Scientist in the Food Engineering Dept and moved up in the ladder with timely and merit promotions to reach the level of Chief Scientist in the year 2008. Prior to joining CFTRI, he worked in a food processing industry for about a year, where he familiarized with the various faculties of industrial operations.

His professional career spans over 37 years and his area of specialization include Food and Membrane Process Engineering, Project Engineering and Design of Food Process Equipment. His significant contributions are technologies and machinery for processing Oilseeds, Grains, and Spices that were successfully initiated, completed and also commercialized.

Dr Subramanian has keen research interest in developing sustainable technologies towards conservation of energy in food processing and focused on 'Non-aqueous applications of membrane technology' and 'Integrated membrane processing of food and bioprocessing'. And his research efforts in membrane technology resulted in process solutions for vegetable oils, tea, spices, proteins and honey.

During his professional journey, he has published 66 research and review articles in reputed International SCI journals, with a h-index of 24. Besides he has 12 patents to his credit out of which 5 are commercialized. In all, he has commercialized 12 technologies comprising 9 processes (Sunflower seed beneficiation, Thermal sterilisation of pepper, Ethanol production using

osmotolerant strains, Water-soluble turmeric colourant formulation and Moringa seed Protein isolates etc) and 3 equipment designs (Dosa making machine. Rice bran stabilisers). Took a lead role in setting up two dedicated pilot plants (Sunflower seed and Black pepper processing) for facilitating technology transfer and four industrial food processing plants (Fruits and Oilseeds processing).

As a research supervisor, Dr Subramanian has imparted professional training to doctoral as well as master course students in Food Engineering and Food Technology courses. He has guided six doctoral and twenty-eight master course students in their investigation. Currently, two doctoral students are actively working in the field of membrane processing.

He is a Life Member of i) Association of Food Scientists and Technologists (AFST) of India, ii) Indian Society of Heating, Refrigeration and Air-conditioning Engineers and iii) Society of Biological Chemists (India).

Dr Subramanian was a recipient of United Nations University-Kirin Fellowship in 1995-96 and JSPS-Ronpaku Fellowship during 1997-2001. He has also received a merit promotion in recognition of outstanding contributions in the scale-up and process engineering activities.

Also Dr Subramanian had a leadership role as Advisor for Management and Administration August 2017 to October 2018. He made several initiatives towards In-house R&D projects, Industry funded projects and societal programmes as well as administrative and policy matters. Recognizing his contributions, the Institute management conferred him with 'Outstanding Institutional Contributions Award' during CSIR and CFTRI Foundation Day celebrations in the year 2018.

Dr Subramanian discharged the responsibilities as Director In-Charge during the absence of the Director since August 2017.

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