

One Page Biodata of Dr. KSMS Raghavarao

Dr. Raghavarao, basically a Chemical Engineer specialized in Food Engineering and Biotechnology, has taken charge as Director, CSIR-CFTRI. He obtained B.Tech from Andhra University (1981) and direct Ph.D. from ICT, Mumbai (formerly UDCT) in 1987. After post-doctoral at NIST-Colorado and a brief stay at NIT, Warangal, he joined CFTRI in 1990 and continuing till date.



Dr. Raghavarao has over 25 years of experience with right combination of Applied and Basic research. Out of 30 significant achievements, 25 were converted into processes/technologies, out of which 15 were transferred to Industry. Phycocyanin from Spirulina is second highest technology premium at CFTRI. Whole coconut milk powder transferred to 4 industries. Virgin Coconut Oil (VCO) technology transferred to about 60 industries. Dr. Raghavarao has guided 20 students/fellow scientists for Ph.D. in Food Engineering/ Biotechnology and currently guiding 5 at the moment. He has been recipient of prestigious NASI-Reliance and VASVIK awards for applied research. He has received 2 out of 4 prestigious National Fellowships of Academies (FNAE & FASc, Bangalore) besides several others (FNAAS, FAFST, FAPASc, FIE). He has received National Award for technology transfer by Ministry of Agriculture for Virgin Coconut Oil technology. He has over 160 publications (with 'h' index of 45) and citations over 6500, about 28 International patents and 55 Indian patents. He initiated several new research areas at CFTRI such as Aqueous Two Phase Extraction, Reverse Micellar Extraction, Adsorption, Bioreactor design for Hairy root and plant cell cultures, viscous fermentation (microbial polysaccharides), and for solid state fermentation besides food processing equipment especially for Indian Traditional Foods athermal membrane processes like direct osmosis and osmotic membrane distillation. He collaborated with several technology departments across CFTRI and outside institutions as PI/Co-PI in 50 grant-in-aid projects and 25 Industrially sponsored projects.