

Brief biography of Dr. G. Bhanuprakash Reddy

G. Bhanuprakash Reddy obtained his MSc and PhD in Biochemistry from Osmania University. He pursued postdoctoral research at the Indian Institute of Science, Bangalore and Case Western Reserve University, USA. In 2000, he joined the ICMR-National Institute of Nutrition (NIN) where he currently serves as Scientist-G and Head of the Biochemistry Department. During his tenure at ICMR-NIN, he has undertaken various research stints abroad, including as a Visiting Scientist at the University of Michigan, USA (2003), an ICMR-International Fellow (2005), a DBT-Overseas Associate (2007) and a DHR-Short-term Fellow at Cincinnati Children's Hospital Medical Center, UAS (2014).

His research focuses on various aspects molecular nutrition and non-communicable diseases including nutrient requirements, nutrient deficiency assessment, and impact of diet/nutrition on chronic diseases. His work has highlighted the prevalence of micronutrient deficiencies with a particular focus on unraveling micronutrient-mediated molecular processes in age-related disorders. Additionally, his extensive work on protein modifications and aldo-keto reductases under chronic hyperglycemia has led to the identification of novel bioactive molecules from functional foods and the subsequent development of functional food formulations for complications of diabetes and obesity. He contributed to the seminal work of the institute on 'Nutrient requirements for Indians (https://www.nin.res.in/RDA_short_Report_2024.html).

He has published over 250 research papers with an *h*-index of 56 and more than 10,000 citations. So far, he has mentored over 30 PhD students, 11 postdoctoral fellows, 18 MSc theses and more than 100 interns/ summer trainees. He is the recipient of numerous awards, including the ICMR-Basanti Devi Award, Scopus India Young Scientist Award, RPB-International Scholars Award, ICMR-Dr. V. N. Patwardhan Prize, and Dr SG Srikantia Memorial Oration Award by the Nutrition Society of India.

He is a Fellow of the International Union of Nutritional Sciences (IUNS), the National Academy of Medical Sciences, the National Academy of Sciences, India, the National Academy of Agricultural Sciences, and the Telangana Academy of Sciences. He serves as the Chairman of the INSA-National Committee for IUNS and is currently the Vice-President of both the Nutrition Society of India and the Telangana Academy of Sciences. Additionally, he is a member of FSSAI Scientific Panels and numerous other scientific societies and committees. He currently serving as an Associate Editor of the Indian Journal of Medical Research and Section Editor of Proceedings of National Academy of Sciences-India and served as an Associate Editor of the Journal of Food Science and Technology (2015-19).