



Invited talk invitation

Name of the speaker: Dr. G. Bhanuprakash Reddy, PhD, FNASc, FAPAS, Scientist 'F', National Institute of Nutrition – ICMR, Hyderabad.

Title: “Complications of diabetes and obesity: Biology of food and nutrition”.

Venue: Seminar hall, UMISARC, Silver Jubilee Campus.

Date and time: 21st August 2017 at 14:15 Hrs

Brief Profile of the speaker:

Obtained MSc (Biochemistry) and PhD (Biochemistry) from Osmania University. Did postdoctoral research at the Indian Institute of Science, Bangalore and Case Western Reserve University, USA. Dr. Reddy's research is focused on nutrigenomics of age-related chronic diseases: complications of diabetes and obesity, micronutrients, functional foods, geriatric nutrition, small heat shock proteins. His studies revealed a role for micronutrients in the development of diabetic complications and provided the basis for the influence of micronutrients on molecular processes involved in diabetic complications using animal models. He also identified mutations in some genes that cause age-related diseases through altered nutrition. His studies are aimed at developing suitable animal models for studying the disease biology of diabetes, pre-diabetes and obesity associated complications and also to understand the role of nutrition. Dr. Reddy described age-related eye diseases- retinal degeneration and cataract, in a spontaneous obese rat model. His pioneering work on involvement protein glycation and aldo-ketoreductases under chronic hyperglycemia, paved the way for exploring functional foods molecules as aldose reductase inhibitors (ARI) and antiglycating agents (AGA). Further, isolated and characterized novel compounds from functional foods as ARI and AGA for combating diabetic complications. Dr. Reddy has provided new insights into the structure, function and expression of small heat shock proteins under hyperglycemic conditions and their modulation by nutrition.



Google scholar citations:

<https://scholar.google.co.in/citations?user=u8hxilcAAAAJ&hl=en>

Issuing Authority:

Dr. Prathap Kumar Shetty, Head, Department of Food Science and Technology, Pondicherry University.

ALL ARE WELCOME