



PONDICHERRY UNIVERSITY
DEPARTMENT OF FOOD SCIENCE AND TECHNOLOGY

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Invited Talk

Topic: "Systems-Based Plant & Food Metabolic Innovations to address Global Food Security & Health Challenges".

Venue: UMISARC Auditorium

Date and Time: 31st Jan 2014, 15:00 Hrs

Speaker: Dr. Kalidas Shetty, Professor of Plant Science & Associate Vice President of International Partnerships & Collaborations, North Dakota State University, USA.

Profile of speaker:

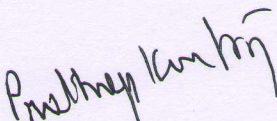
Dr. Kalidas Shetty's research interests focus on the critical role of cellular and metabolic basis of oxygen biology for advancing new innovations in life sciences and especially agricultural and food innovations that advance global food security and health in a sustainable environment. This focus is contributing to very innovative advances in the areas of crops for health, post-harvest biology, nutraceuticals, functional foods and food antimicrobial strategies as critical innovations to advance food security in addition to malnutrition and hunger challenges. In particular, he has developed an innovative "crops for health" research platform to counter diet-linked chronic diseases. The rationale of this platform has relevance for managing malnutrition challenges from maternal to child health needs globally.



Dr. Shetty's current passion and commitment are to develop "sustainable and ecological basis for healthy food systems, food choices and global food security" based on local crop and food diversity, traditional food systems and effective food imports that incorporates understanding of comparative cellular biochemistry of plant and animal systems and their interactions with prokaryotes (bacterial systems). This approach has potential to transform global agriculture with healthy food systems and innovative rural development strategies that is systems based with sustainable long term solutions combined with better habitat and environment, sanitation and diversified bioenergy options.

In keeping with the above focus on new innovations to advance global food security on a "crops for health and sustainability" platform, Dr. Shetty is developing close collaborations between North Dakota State University and institutions in several regions of the world from Asia, Africa, and Europe to the Americas.

ALL ARE INVITED


Prathap Kumar Shetty



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