



### **Topic of the Speech:**

Smart Fabric-Integrated Biosensor Using Lawsonine and Silk Proteins: A Visually Responsive Approach for Glucose and Pathogen Detection in Biomedical Fabrics

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**Prof. Shyam kumar Vootla**, obtained his Master of Science degree from Karnatak University, Dharwad in 1996. He obtained his Doctor of science (D.Sc) from Zhejiang University, Hangzhou, China by securing MHRD Chinese Government Scholarship from 2001-2004. He joined Karnatak University as Lecturer in 1997 and presently working as Professor in Department of Microbiology and Biotechnology, Karnatak University, Dharwad. He is a Fellow of Royal Society of Entomology, London United Kingdom. He has total experience of 28 years at Karnatak University.

Prof. V. Shyam Kumar has received several prestigious awards and scholarships. MHRD scholarship to pursue D.Sc, Indian National Science Academy (INSA) visiting fellowship 2007 to visit Chinese Academy of Sciences, Shanghai, China. BOYSCAST fellowship 2008 for Post doctoral fellowship at Seoul National University, South Korea and Commonwealth Academic fellowship 2013 at Queen Mary University of London, U.K. Furthermore, he collaborated with world-renowned Scientist Prof. Cho Chong Su and Dr. Julien Gautrot.

Prof. V. Shyam Kumar is actively engaged in research and is Principal Investigator for Major research projects funded by DBT (RGYI scheme-2007), UGC (MRP-2009), DST-INDO-KOREAN (2009) DST-SERB and DST-UKIERI (Indo UK collaborative research program with Queen Mary University of London, England, U.K). Presently one ongoing project is being funded by Rajiv Gandhi University of Health Sciences (RGUHS), Karnataka, VGST CISEE Project from Government of Karnataka, and Two international collaborative research projects with Sharjah University and Ajman University United Arab Emirates.

Several Ph. D's and three M. Phil students have been awarded and presently eight students are working under his guidance for Ph. D. He has published 85 research articles in renowned journals with the publishers of Nature, Royal Society of Chemistry (RSC), Elsevier, Springer, and Wiley. He is also editorial board member of Journal of silk Published by Zhejiang Science and Technology University, Hangzhou china.