

REPORT OF  
**VGST REGIONAL WORKSHOP ON FRONTIER AREAS IN BIOLOGICAL SCIENCES**  
HELD AT MANGALORE UNIVERSITY ON 13<sup>th</sup> Jan 2018

Vision Group on Science and Technology (VGST), Department of IT, BT, S&T, Government of Karnataka, conducted a One-day Regional Workshop for College Teachers on Frontier Areas in Biological Sciences. The Workshop was jointly organized by VGST, Bangalore and Mangalore University, and held on 13<sup>th</sup> January 2018 at Old Senate Hall, Mangalore University. The aim of this Workshop was to bring college teachers abreast with recent developments in the fast-moving field of biological sciences and to motivate and enable them to engage in research activities. Dr. S.G. Sreekanteswara Swamy, Consultant of VGST, Government of Karnataka, was the Chief Guest at the Inaugural Function which was presided over by Prof. A. M. Khan, Registrar (Evaluation), Mangalore University. Coordinator of the Workshop, Prof. Monika Sadananda welcomed the gathering. Prof. Boja Poojary Co-coordinator, delivered the vote of thanks. Three invited talks were delivered on the occasion. Dr. Sheeba Vasu, Associate Professor, Jawaharlal Nehru Centre for Advanced Scientific Research (JNCASR), Bengaluru spoke on Clocks, Flies and the Nobel Prize relating the research work that led to the Nobel Prize in Physiology being conferred to three scientists from the realm of Circadian biology and how the humble fruit fly led to many of the very phenomenal discoveries over the last few decades. Prof. Cletus D'Souza, Emeritus Professor, University of Mysore spoke on the role of lipids in health and disease, with particular emphasis on the misnomers that exist with regard to lipid intake. Dr. Keshava Prasad T.S., Deputy Director and Professor Yenepoya Centre for Molecular Medicine and Systems Biology spoke on the realm of omics with particular emphasis on how proteomics is studied using mass spectroscopy and outlined various methods that can be used to detect modifications in proteins. **Over 85 Biological Science teachers from 20 colleges in Dakshina Kannada, Udupi and Madikere districts and units of Mangalore University participated.** Through this Workshop it is hoped that recent advances and techniques in basic and applied biological sciences will reach and benefit the students through their teachers. **20 VGST Project Coordinators/Grantees from 17 institutions, including medical, dental, pharmaceutical and engineering colleges presented their projects either via Poster or Oral presentations.** In the evening, the Valedictory function was presided over by Dr. N. C. Tharavathy, Chairperson, Dept. of Biosciences, Mangalore University. Dr. S. G. Sreekanteswara Swamy, Consultant, VGST, Government of Karnataka gave his concluding remarks. Dr. A. L. Muralidhara, Scientific Officer-VGST, Government of Karnataka, was present. Prof. Monika Sadananda, Workshop Coordinator delivered the vote of thanks. Coordinators of this Workshop were Prof. Monika Sadananda and Prof. Boja Poojary.