

## Biography of Dr K. P. Ramesha



**Dr. Ramesha, heading Southern Campus of ICAR-NDRI, Bengaluru** since April 2016. He earned B.V. Sc and M.V. Sc degrees from Veterinary College, Bangalore. He obtained Ph.D from NDRI, Karnal in 1991 and earned PG Diploma in Intellectual Property Rights by IGNOU, Delhi & WIPO, Geneva and Master of Intellectual Property Law from IGNOU, Delhi. He has successfully completed 21 research Projects including DBT, NATP, Karnataka Govt, and NDDDB funded projects and guided 10 PG and 3 Ph.D scholars.

**Dr. Ramesha** is an active researcher working in the area of conservation and improvement of indigenous cattle, livestock genomics, cytogenetics, and IPR issues in livestock sector and guiding research scholars. He did pioneering work in the area of male fertility assessment and developed inter-specific *in vitro* fertilization assay using Zona free hamster eggs to assess fertility of buffalo bulls. He has identified genetic polymorphism in candidate genes influencing economically important traits in cattle, buffalo and yak. By effective usage of mass media and farmers' training programmes he greatly contributed for creating awareness, conservation and improvement of native breeds of cattle. Due his efforts Malnad Gidda-dwarf cattle of Karnataka has been registered as a recognized breed. He is actively involved with the Development of Real Time PCR based Antigen Detection Kit for diagnosis of Bovine Herpes Virus-1 and Biofilm based Mastitis Vaccine. Genetic divergence among various cattle and buffalo breeds, transcriptomics, screening of males for genetic diseases & cytogenetic abnormalities and proteomics of milk are other areas in which valuable research contributions have been made by Dr Ramesha. He has been empanelled by the Director General of Patents as Scientific Advisor under the patent Act 1970 under Biotechnology & Microbiology.

**Dr Ramesha** has published more than 90 research articles, about 100 scientific and technical publications including reviews, status papers, and book chapters. He has edited and published several books and monographs. He has 3 patent applications to his credit. He is the recipient of many awards including **Fakhruddin Ali Ahmed Award** by ICAR, New Delhi, **Dr. G.B. Singh memorial award**, 1993 of the Indian Society for study of Animal Reproduction, **Visiting fellow of JNCASR**, Bangalore, **Indira Gandhi Sadbhavana Gold Medal Award-2013** by Global Economic Progress and Research Association, **Best Veterinarian Award**, 2011-13 by Karnataka Veterinary Association, **Best Zoologist Award-2013** by Society for Applied Biotechnology. He has been elected as Fellow of **Association for the Advancement of Biodiversity Science** and **National Academy of Dairy sciences (India)** and **Indian Dairy Association (New Delhi)** and **National Academy of Veterinary Sciences (India)**. He is actively involved with the activities of various scientific associations. Presently he is actively working for the improvement of indigenous cattle through proteogenomic approach. As Head of Southern Campus of NDRI, he has started many new programmes viz. Fodder demonstration unit, Green SRS of NDRI, Herbal Garden, Vermi-compost besides encouraging scientific staff for revenue generation through externally funded projects and consultancy.