

## About the Editors



**Dr. Santosh Kumar Sandur** is currently the Head of Radiation Biology & Health Sciences Division and Professor of Life Sciences at Homi Bhabha National Institute. He joined BARC in 1994 through 38th Batch of BARC Training School. He obtained his Ph.D. degree in Applied Biology from University of Mumbai in 2004 and pursued his postdoctoral studies at The University of Texas MD Anderson Cancer Center in Houston, Texas, USA. He is the recipient of DAE Young Scientist Award (2007) and Homi Bhabha Science & Technology Award (2014) for his innovative research contributions in radiation biology leading to development of radioprotective agents like Chlorophyllin. His research interests include understanding the role of cellular redox in response to Ionizing radiation, identification of system specific radioprotectors, stem cell-based therapeutics & regenerative medicine, targeting cellular redox to modulate immune responses and identification of new immune-modulators from natural and synthetic sources, understanding the mechanism of cancer radio-resistance and development of novel strategies to overcome the radio-resistance of tumors.

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**Dr. Tapan Kumar Ghanty** is currently Director, Bio-Science Group and Senior Professor at Homi Bhabha National Institute. He joined BARC in 1988 through 32nd Batch of BARC Training School and received the Homi Bhabha Award. He obtained his Ph.D. degree in Chemistry from Bombay University in 1997 and spent two years (1997-99) at Chemistry Department, Indiana University, USA as a postdoctoral fellow. He is the recipient of DAE Scientific & Technical Excellence award (2009) and Homi Bhabha Science & Technology Award (2014) for his novel work on lanthanides and actinides. His research interests include theoretical and computational chemistry of complex systems. He has led several flagship programs in Bio-Science Group such as clinical translation of Chlorophyllin to cancer patients, digitization of external dose at high background radiation areas of Kerala, development of new hydrogel for agricultural applications etc. His active involvement in mutation breeding program in nuclear agriculture resulted in release of 15 different crop varieties. During his tenure, annual export of radiation processed mangoes to USA increased to more than 2500 tons. Dr. Ghanty has extensively supported the synthesis and supply of various radiopharmaceutical ligands to BRIT.

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