


Emerging Frontier Areas




Research in Biology at BARC

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As a premier multidisciplinary research institute, Bhabha Atomic Research Centre is well-known for carrying out research in the frontier areas of Science and Technology. Along with R&D being carried out in the areas pertaining to nuclear power, BARC has made considerable progress in research that has immediate societal implications. We are extremely pleased to launch this issue of BARC Newsletter that describes the cutting-edge research carried out in biological sciences, particularly in the field of nuclear medicine, precision cancer therapeutics, radiation-guided diagnosis as well as therapy. Furthermore, other research topics such as agriculture, biotechnology and high-quality basic research are covered in terms of feature articles or short thesis reports. In this regard, sixteen articles highlight the contemporary biological research and technologies evolved in the area of health, while four articles emphasize the new approaches in the field of food and agriculture, whereas one article deals with a biotechnological application for clean environment.

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This special issue also showcases the snapshots of the research performed by young minds, who are currently pursuing, or have just finished, their PhDs in the Life Science discipline. Thus, we do hope that we have been able to provide a glimpse of the wide expanse of work being carried out in fundamental areas as well as application-oriented research in Biosciences at BARC. We are optimistic that these articles will enlighten and stimulate the minds of researchers as well as students, energizing them to take up societal problems that need to be urgently resolved today.

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We take this opportunity to sincerely thank all the authors for their active role and enthusiastic support in finalizing the articles promptly. Our whole-hearted thanks to Dr. S. Adhikari, former Director, Knowledge Management Group (KMG), for extending this opportunity and steering us throughout this publication process. We also take this opportunity to thank Dr. A.K. Dureja, Associate Director, KMG, Shri Manoj Singh, Head, SIRD, Shri. Madhav N., and the entire SIRD Newsletter Editorial team for their painstaking effort in curating the content, designing/formatting the articles in their final form and for providing proofs. We are very thankful to Dr. P. A. Hassan, Associate Director, Bio-science Group, for his generous support in bringing out this special issue.

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