

Editorial Committee

Chairman

Dr. S.K. Apte,
Director, Bio-Science Group

Editor

Dr. K. Bhanumurthy
Head, SIRD

Associate Editors for this issue

Dr. A.P. Tiwari, RCnD
Dr. D.N. Badodkar, DRHR

Members

Dr. S.K. Apte, Bio-Science Group
Dr. R.C. Hubli, MPD
Dr. D.N. Badodkar, DRHR
Dr. K.T. Shenoy, ChED
Dr. A.P. Tiwari, RCnD
Dr. S.M. Yusuf, SSPD
Dr. A.K. Tyagi, ChD
Mr. G. Venugopala Rao, APPD
Dr. C.P. Kaushik, WMD
Dr. G. Rami Reddy, RSD
Dr. S. Kannan, FCD
Dr. A.K. Nayak, RED
Dr. S.K. Sandur, RB&HSD
Dr. S.C. Deokattey, SIRD

From the Editor's Desk

The first issue of 2014 is now with you. The cover page has been changed to present a better look. We would like to sincerely thank all the scientists and engineers who have contributed their articles to BARCNL during 2013. Over the years BARCNL has become an important medium to express our major achievements and we are happy that the readership has increased both in India and abroad. This year due to unavoidable circumstances, there was a delay in the publication of the issue and we sincerely regret this delay.

This issue carries Five articles and a Brief Communication. One of the articles addresses the important issue of nuclear safety in advanced reactor designs; the reliability assessment of natural circulation systems. Another article deals with the design and development of a novel Non Contact Ultrasonic Inspection System (NCUIS) to check the functionality of the high-temperature and contaminated transducers of the Under Sodium UltraSonic Scanner (USUSS), for the Prototype Fast Breeder Reactor. The air-coupled ultrasonic technique was used to develop the system.

Recently, BARC Scientists published two books: One on Functional Materials and the other on Thoria-based Nuclear Fuels. The first one was published by Elsevier and the other by Springer-Verlag. This issue carries a brief review about the two published books which would be of interest to our colleagues.



Dr. K. Bhanumurthy
On behalf of the Editorial Committee