

## PREFACE



It was in the month of July 2009 that the idea to organize a workshop-cum-symposium was conceived. The executive meeting of the Microwave Application Society of India (MASI) endorsed the concept to hold a workshop-cum-symposium on “Microwave: Principles and applications” and “Nanoscience: Theory and applications”. Efforts were made to bring about a collection of various issues relating to bioelectromagnetics and nanoscience.

After a successful meet and encouragement from authors and the members of the advisory committee, the issue is now in open. The papers presented at the workshop-cum-symposium have been divided into two parts are

- 1) those dealing with electromagnetic field exposure to biological system concerning biological effects and therapeutic use, and secondly
- 2) nanoscience basics and applications

The issue of EMF- biointeraction is far from resolved, the introduction of mobile phone in day-to-day use has added to the enormity of the situation. This goes beyond the known laws of physics and biology and appears to be leading to new dimensions of low and ultralow frequency effects and phenomena. First part is a point in that direction.

The second part is an effort to introduce nanoscience in the arena of biology where efforts have been made to introduce the subject beginning with the first principles. To bring about the completeness of the symposium programme, the present special issue has been brought out on current trends in environmental biology. A composite assimilation of the two apparently dissimilar issues converging into a single theme has been achieved by contributions in an area of vast overlap.

I thank all the contributors for enthusiastically responding to our request of keeping to the time, and the assistance of our group scientists, Mr. Kavindra Kr. Kesari and Mr. Sanjay Kumar for help in organizing the manuscripts. The help of Prof. H.B. Bohidar and Prof. D.C. Dubey in reviewing some of the scripts is thankfully acknowledged. The articles are chosen with an aim to address to a very wide section of researchers in the related areas. The guest editor will consider his efforts rewarded if the issue fills the much observable gap in this area of emerging interest. Last but not the least, the co-operation and assistance of editorial team of the *Indian Journal of Experimental Biology* in organizing the articles and supporting the effort are thankfully acknowledged.

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