



This is a very special year for the journal. We are completing 100 years and indeed the journal not only survived but also reached a stable configuration in recent years bringing out reviews in selected topical areas in science and engineering. I take this opportunity to thank everyone involved over the years (editors and guest editors, editorial board members, IISc authorities and the supporting staff and all faculty of our Institute) who have been associated with the journal.

What is very satisfying is that this year also coincides with the International Year of Crystallography (IYCr2014) as recognized by the United Nations Organization, an area of science in which I have been working for several decades! Special thanks to all the authors who have contributed to this journal, Professor B. Gopal who is the coeditor with me for this issue and our Director, Professor P. Balaram who has written the foreword for this issue.

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## Crystals and Crystallography: From Koh-i-Noor to IYCr2014

Crystals have captured popular imagination over the ages. From the calcite in caves to ice to diamonds, the systematically ordered arrays of molecules, atoms or ions lead to objects that are both elegant and immensely appealing. Not surprisingly, crystallography—the study of crystals—has attracted a diverse following. These include jewelers, artisans and researchers in the natural sciences. The basic and applied research in these areas thus encompasses physics, chemistry and biology with important applications in drug discovery and nano materials.

The articles appearing in this issue span diverse areas in aspects of current day research in crystallography. Broadly they fall into two categories; (i) Chemical and Physical crystallography and (ii) Macromolecular crystallography. The emphasis is heavily based towards the application of crystallographic techniques to understand various phenomena, focusing mainly on structure—property correlation aspects. The short reviews by Professor M. Vijayan and Professor G.R. Desiraju outline the contents of each article in a nutshell. We thank all the contributors for providing excellent reviews which has enabled us to bring the special issue well in time to commemorate the centenary of the journal and IYCr2014.



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