

Foreword

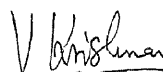
The Jawaharlal Nehru Centre for Advanced Scientific Research (JNCASR) was established in 1989 to commemorate the centenary of Pandit Jawaharlal Nehru by the Department of Science and Technology, Government of India. The main objective of the Centre is to promote active research at the highest level in chosen areas of science. The Centre maintains close links with the Indian Institute of Science (IISc).

The Centre celebrated its tenth anniversary during November 1999. It was an occasion to take stock of what has been achieved with reference to the plans drawn up during its inception. Undoubtedly, the Centre has emerged as a fine institution for high-quality research and a variety of extension programmes. The Memoirs brought out during the tenth anniversary celebrations stand testimony to the research efforts of the Centre. The strength of the faculty and students has almost reached the projections made earlier. The Centre has grown appreciably and efforts are on to further improve the necessary infrastructural facilities in terms of land and buildings and research facilities.

During the annual faculty meeting held each year, lectures covering different areas of research are delivered by the Faculty of the Centre. The lectures delivered during the 10th annual faculty meeting held in November 1999 are presented in this special of the *Journal of the Indian Institute of Science*.

We are thankful to Prof. M. S. Shaila, *Editor*, for bringing out this publication.

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Advanced Scientific Research
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Prof. V. KRISHNAN
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