



आपो हिष्ठा मयोगुवः

राजदेव सिंह
निदेशक

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FOREWORD

The increasing demand for fresh water due to ever growing population, calls for proper conservation and management of all the available fresh water resources, including lakes. Lakes are quite often the catalysts in the development of the region by supplying water for variety of uses. However, many lakes are reported to have undergone quantitative and qualitative degradation in the last few decades. Since behaviour of the lake ecosystem depends to a large extent on its hydrological regime, understanding the hydrological regime of the lakes is very significant to develop strategies for their conservation, management and rejuvenation.

The ministry of water resources attaches a special significance to the technology transfer and dissemination of knowledge in the area of water resources. Thus, recognizing the importance to investigate the hydrological aspects of lakes as well as to train various persons working in the area of lake conservation and management, the National Institute of Hydrology, Roorkee is regularly organizing various training courses on the subject. The present course is next in the series. The training course is being organized with the main objective of imparting knowledge to the field engineers, officers, researchers, managers and academicians about latest approaches for monitoring and investigating the lake processes for developing strategies for lake conservation and management and to share with them the experiences of lake research gathered by the Institute over the years

I am more than sure that this course will be of great utility to the participants coming from different states and organizations. This publication, which is the compilation of the notes of the various lectures being delivered during the training course, consists of valuable contributions, knowledge and experience by different scientists of the Institutes, who are in some way or the other related to different aspects of lake studies. The organizers of the training course have made sincere efforts to utilize the best resource persons available in the Institute for the purpose. The course coordinator, Dr. Suhas D. Khobragade, has painstakingly compiled and edited the Lecture Notes Volume. I sincerely believe that this compilation would be very useful for the planning and execution of the various lake conservation and management activities and programmes being undertaken by the participants and their organizations.

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Raj Deva Singh
(R. D. Singh)