

PREFACE

Climate change is after all, one of the greatest challenges that we will face in our lifetimes. If not effectively addressed, it has the capacity to permanently affect all of our countries' long-term economic prosperity but also our ways of life. Therefore it is important to identify the key issues and challenges which an expected climate change will bring in water resources management, provide the frame work for adequate research, and formulate recommendations for the future work. In light of the above, Indian Association of Hydrologists (IAH) is organizing this symposium to discuss and improve knowledge on indicators of climate change and its impact in water resources. This symposium aims at facilitating the exchange of scientific knowledge by bringing together scientists, academicians, research scholars involved in water resources management studies and climate changes studies in particular. It is expected that this symposium will help to have fruitful deliberations and discussions on the aspect of climate change and its effect on water resources beside other themes of the symposium. This abstract volume is thought to provide an information basis on the expected inputs to the symposium. The abstracts were compiled regardless the possibility that probably not all of them will be presented. The abstracts were not reviewed in detail, but have been seen by a review committee before reformatting and compiling. Therefore, abstracts contents are in sole responsibility of the authors.

I am thankful to Mr. A D Bhardwaj, President of IAH and Mr. R D Singh, Exec. Vice President of IAH for their valuable suggestions and blessings for the organization of this symposium. I am extremely grateful to them for their guidance from time to time. I am also thankful to staff of Maintenance division, audio visual div. of NIH and members of organizing committee and members of various committees for their help in making various arrangements. Thanks are due to all delegates and their respective organizations, my colleagues in National Institute of Hydrology and other institutions, who in one way or other contributed in this endeavor. I express my gratitude to all the sponsors for their financial support. The support of printing committee for preparing this volume is acknowledged with appreciation.

S. K. Jain
(Sanjay K. Jain)

Organising Secretary

National symposium on
 “Climate change and water resources in India” (CCWRIN),
 18-19 Nov., 2009
 Organised by Indian Association of Hydrologists
 Venue: NIH Roorkee.

TECHNICAL PROGRAM

November 18, 2009	
9.30 -11.00 hrs	Registration and High Tea
11.00-12.00 hrs	Inauguration
12.00-13.30 hrs	Session-I: Climate change: Appraisal, implication & modeling Key Note: Dr. P P Mujumdar, IISc., Bangalore
13.30-14.30 hrs	Lunch
14.30-16.00 hrs	Session-II : Impact of Climate Change on Water Resources Key Note: Dr. Nityananad Singh, IITM, Pune
16.00-16.15 hrs	Tea
16.15-18.00 hrs	Session-III: Water Quality & Environmental Aspects Key Note: Dr. Arbinda Mishra, TERI, New Delhi
November 19, 2009	
09.30-11.00 hrs	Session-IV : Modeling of Hydrological Variables for water resources assessment and management Key Note Dr. Sharad K. Jain, IIT, Roorkee
11.00-11.30 hrs	Tea
11.30 -13.00 hrs	Session –V : Water resources of snow covered and glacierised basin Key Note: Dr. A. Ganju, Director, SASE, Chandigarh
13.00-14.00 hrs	Lunch
14.00-15.30 hrs	Session-VI: Remote Sensing and GIS applications in water resources management Key Note: Dr. Shakil Romshoo University of Kashmir, Srinagar
15.30– 17.00 hrs	Panel Discussion & Valedictory Function
17.00	Valedictory Tea