

CLIMATE CHANGE PATTERN IN BANGLADESH  
and  
**IMPACT ON WATER CYCLE**

MD. MAFIZUR RAHMAN • KAZI SHAMIMA AKTER



**ITN-BUET**

Centre for Water Supply and Waste Management

# CLIMATE CHANGE PATTERN IN BANGLADESH IMPACT ON WATER CYCLE

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# Preface

Bangladesh happens to be in a geographic zone where the impact of climate change is severe. Population density in this part of the world is very dense. Thus impact of climate change - even if it happens for a small zone, impacts a huge number of populations. Adaptation to this changing climate is a national issue. The similar issues are being in the table of discussion of the decision makers at the national and international level. In making proper policy for climate change adaptation there is a huge need of the local information and local knowledge. Unfortunately, the accumulation of such knowledge is really scarce about this part of the world. This book makes an effort in accumulating local data which are the key issues for preparing the National policy at the very micro level. The technical analysis is relevant to the local issues and the local needs. The issue of impact of climate on water happens to be the prime target of the book. Water on the other hand happens to be a resource that governs the livelihood of most of the people, especially those whose livelihood are dependent on agriculture, fisheries etc. Flood is a major water related disaster in Bangladesh for long. There are quite a number of literatures covering floods in Bangladesh. With the changed climate, drought is appearing to be an emerging disaster in this country. This book makes an effort to incorporate the drought and its trend in a scientific manner. Drought and its impact on the citizens are going to be key issues in the adaptation policy for this country.

Technical analyses were performed which include the spatial and temporal variation. Inclusions of maps of the changed scenario of climate and water resources make it simple and explicable for the readers. Researchers around the globe are expected to find a quick view of the existing and changed climate in this country.

The objectives of this book will be assumed to be achieved, if this helps the reader to develop an insight about the changing climate in Bangladesh and its impact on the water budget in the scale of time and space in Bangladesh.

The country is showing positive trend in terms of a number of indicators of development. Since economy of the country is closely related to the livelihood of the citizens, we expect the outcomes of this research will have considerable impact on the decision makers for the future planning of the country.

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