



# JOURNAL OF HYDROLOGY AND METEOROLOGY

## EXECUTIVE COMMITTEE

**Chairperson:** Prof. Dr. Bidur Prasad Upadhyay  
Tribhuvan University

**Vice-chairperson:** Dr. Keshav Prasad Sharma  
Department of Hydrology  
and Meteorology

**General Secretary:** Mr. Jagat Kumar Bhusal  
Department of Hydrology  
and Meteorology

**Secretary:** Mr. Suresh Marahatta  
RECHAM Consult

**Treasurer:** Ms. Sarojani Pradhan  
Tribhuvan University

**Members:** Dr. Arun Bhakta Shrestha  
ICIMOD

Dr. Laxmi Prasad Devkota  
Nepal Development and  
Research Institute

Dr. Prem Chandra Jha  
IOE  
Tribhuvan University

Mr. Saraju Kumar Baidya  
Department of Hydrology  
and Meteorology

Mr. Suman Kumar Regmi  
Department of Hydrology  
and Meteorology

**Ex-officio Member:** Dr. Janak Lal Nayava  
Ex-Chairman

## EDITORIAL COMMITTEE

### CHIEF EDITOR

Dr. Madan Lall Shrestha  
Department of Hydrology and Meteorology  
PO Box 406, Babar Mahal, Kathmandu Nepal  
Tel.: +977-1-4262-974; Fax: +977-1-4262-348  
Email: mlshrestha@dhm.gov.np

### CO-CHIEF EDITOR

Mr. Rishi Ram Sharma  
Department of Hydrology and Meteorology  
PO Box 406, Babar Mahal, Kathmandu Nepal  
Tel.: +977-1-4221-514; Fax: +977-1-4262-348  
Email: rishisharm@yahoo.com, soham@info.com.np

## EDITORS

Dr. Madan Bahadur Basnyat  
Society of Hydrologists and  
Meteorologists

Bijaya K. Vaidya  
Meteorological Forecasting  
Division  
Department of Hydrology  
and Meteorology

Dr. Keshav P. Sharma  
Department of Hydrology  
and Meteorology

Dr. Narendra M. Shakya  
Institute of Engineering  
Tribhuvan University

Dr. Narendra R. Khanal  
Central Department of  
Geography  
Tribhuvan University

Dr. Arun Bhakta Shrestha  
ICIMOD

Dr. Binod Shakya  
Central Department of  
Hydrology and  
Meteorology  
Tribhuvan University

Mrs. Archana Shrestha  
Department of Hydrology  
and Meteorology

## EDITORIAL ASSISTANCE

Raju Aryal  
Meteorologist  
Department of Hydrology and Meteorology