

**CLIMATE CHANGE AND ITS IMPACTS ON  
WATER RESOURCES WITH FOCUS  
ON INDIA**



**National Institute of Hydrology**  
(Ministry of Jal Shakti)  
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# CLIMATE CHANGE AND ITS IMPACTS ON WATER RESOURCES WITH FOCUS ON INDIA

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3	Climate Change and Temperature	P. K. Singh
4	Climate Change and Precipitation	Manohar Arora and Sunil Gurrapu
5	Impact of Climate Change on Evaporation and Evapotranspiration	Suhas D. Khobragade
6	Impact of Climate Change on Himalayan Cryosphere	Sanjay K. Jain and Vishal Singh
7	Climate Change and Riverflow	Swapnali Barman and M.K. Goel
8	Climate Change and Groundwater	C P Kumar, Anupma Sharma, K. V. Sruthi, B. K. Purandara, and S. Kumar
9	Impact of Climate Change on Water Quality	Rajesh Singh and Sumant Kumar
10	Impact of Climate Change on Floods	Rakesh Kumar, P.C. Nayak, J.P. Patra, and Pankaj Mani
11	Climate Change Impacts on Droughts	T. Thomas
12	Climate Change and Soil Erosion	Jaivir Tyagi
13	Uncertainty in Climate Change Studies	Sunil Gurrapu and Vishal Singh
14	Way Forward - Climate Change Impact Assessment on Water Resources and Adaptation	Sharad K. Jain

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