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Note generali	Refereed/Peer-reviewed "49th Parallel is an interdisciplinary e-journal devoted to American and Canadian studies and looks to promote innovative and challenging academic work. The journal takes its name from the 1,270 mile border separating the USA and Canada, and in this sense is keen to encourage dialogues and debates which transcend the boundaries of customary theoretical approaches to the culture, history, and politics of the North American continent."

2. Record Nr.	UNINA9910366627003321
Titolo	Himalayan Weather and Climate and their Impact on the Environment / / edited by A.P. Dimri, B. Bookhagen, M. Stoffel, T. Yasunari
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2020
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Disciplina	550 551.695
Soggetti	Physical geography Sustainable development Climatology Hydrogeology Ecology Paleoecology Earth System Sciences Sustainable Development
Lingua di pubblicazione	Inglese
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Nota di contenuto	1. Part I Weather and Climate -- 2. Chapter 1. Manifestations and contours of extreme high altitude climate change in the upper Karakoram Himalaya -- 3. Chapter 2. Changes in the large-scale circulations over north-west India -- 4. Chapter 3. Himalayan uplift and the Human evolution -- 5. Chapter 4. Projected Climate Change in the Himalayas during the 21st Century -- 6. Chapter 5. Dynamic Downscaling of Himalayan Climate -- 7. Chapter 6. Representation of the Himalayas in Weather and Climate models -- 8. Chapter 7. The Himalayan System: A Perspective -- 9. Chapter 8. Changes in pan evaporation and causative parameters: A case study from eastern Himalayan region -- 10. Chapter 9. Land atmosphere interaction over the Himalayan region -- 11. Chapter 10. Impact of Nino phases on the summer monsoon ISO modes of northwestern and eastern Himalaya -- 12. Chapter 11. Remotely-sensed rain and snowfall in the Himalaya --

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### Sommario/riassunto

This book proposes a unique and comprehensive integrated synthesis of the current understanding of the science of Himalayan dynamics and its manifestations on physical systems and ecosystems at different spatial and temporal scales. In particular, this work covers relevant aspects of weather and climate, paleoclimate, snow, glacier and hydrology, ecology/forestry among other topics associated with the Himalayas. It highlights the role of the Himalayas in defining local to regional to global scale impact on weather and climate. It includes Himalayan impact on defining physical basis of changing glacier systems, permafrost melting/thawing, climate variability, and hydrological balances. As a result, this volume represents an important synthesized overview both for environmental and earth science researchers, and for policy makers and stakeholders interested in the physical and dynamical processes associated with the Himalayan massif.

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