

### **Publisher Information**

Source: Mountain Research and Development, 39(4)

Published By: International Mountain Society

URL: https://doi.org/10.1659/0276-4741-39.4.p2

BioOne Complete (complete.BioOne.org) is a full-text database of 200 subscribed and open-access titles in the biological, ecological, and environmental sciences published by nonprofit societies, associations, museums, institutions, and presses.

Your use of this PDF, the BioOne Complete website, and all posted and associated content indicates your acceptance of BioOne's Terms of Use, available at <a href="https://www.bioone.org/terms-of-use">www.bioone.org/terms-of-use</a>.

Usage of BioOne Complete content is strictly limited to personal, educational, and non - commercial use. Commercial inquiries or rights and permissions requests should be directed to the individual publisher as copyright holder.

BioOne sees sustainable scholarly publishing as an inherently collaborative enterprise connecting authors, nonprofit publishers, academic institutions, research libraries, and research funders in the common goal of maximizing access to critical research.

Mountain Research and Development (MRD)

An international, peer-reviewed open access journal published by the International Mountain Society (IMS) www.mrd-journal.org

#### **Publisher**

Mountain Research and Development (MRD) (online ISSN 1994-7151, print ISSN 0276-4741) is published by the International Mountain Society (IMS), clo Centre for Development and Environment, University of Bern, Mittelstrasse 43, 3012 Bern, Switzerland.

# Institutional Members of the International Mountain Society (IMS)

- **ARU**, Afromontane Research Unit, University of the Free State, Phuthaditjhaba, South Africa
- **CDE**, Centre for Development and Environment, University of Bern, Switzerland
- **CMS**, Centre for Mountain Studies, Perth College, University of the Highlands and Islands, Perth, Scotland
- CONDESAN, Consortium for the Sustainable Development of the Andean Ecoregion, Lima, Peru
- **FAO**, Food and Agriculture Organization of the United Nations, Rome, Italy
- **FoLAP**, Forum Landscape, Alps, Parks, Bern, Switzerland
- ICIMOD, International Centre for Integrated Mountain Development, Kathmandu, Nepal
- IGF/ÖAW, Institute for Interdisciplinary Mountain Research, Austrian Academy of Sciences, Innsbruck, Austria
- **IMHE**, Institute of Mountain Hazards and Environment, Chinese Academy of Sciences, Chengdu, China
- MRI, Mountain Research Initiative, Bern, Switzerland
- UCA/MSRI, Mountain Societies Research Institute, University of Central Asia, Bishkek, Kyrgyzstan

MRD collaborates with Mountain Forum (MF) and The Mountain Partnership (MP) to further the cause of mountains on the international development and research agendas.

#### **Editorial Office**

Thomas Breu, Editor-in-Chief David Molden, Editor-in-Chief Susanne Wymann von Dach, Associate Editor Anne Zimmermann, Associate Editor Sarah-Lan Mathez-Stiefel, Associate Editor Marlène Thibault, Assistant Editor Production Editors at Allen Press Martin Price, Book Review Editor

#### **International Editorial Board**

Irasema Alcántara-Ayala (Mexico), Ruchi Badola (India), Jörg Balsiger (Switzerland), Jill M. Belsky (USA), Astrid Björnsen Gurung (Switzerland), Peng Cui (China), Yayoi Fujita Lagerqvist (Australia), José M. García-Ruiz (Spain), Georg Gratzer (Austria), Ricardo Grau (Argentina), Andreas Heinimann (Switzerland), Thomas Hofer (Italy), Bahadar Nawab Khattak (Pakistan), Jacek Kozak (Poland), Hermann Kreutzmann (Germany), Joanne Millar (Australia), Marcus Nüsser (Germany), Stefano Pagiola (USA), Nadine Salzmann (Switzerland), Dietrich Schmidt-Vogt (Germany), Hans Schreier (Canada), Eklabya Sharma (Nepal), Surendra Pratap Singh (India), Thomas Streifeneder (Italy), Rolf Weingartner (Switzerland), Jianchu Xu (China), Gete Zeleke (Ethiopia).

## Representatives of IMS Institutional Members

Carolina Adler (MRI, Switzerland); María Argüello (CONDESAN, Peru); V. Ralph Clark (ARU, South Africa); Andrea Fisher (IGF/ÖAW, Austria); Andreas Heinimann (CDE, Switzerland); Yuka Makino (FAO, Italy); Martin Price (CMS, Scotland, UK); Ursula Schüpbach (FoLAP, Switzerland); Eklabya Sharma (ICIMOD, Nepal); Roy C. Sidle (UCA/MSRI, Kyrgyz Republic); Yanhong Wu (IMHE, China).

#### **Publication Policy**

Mountain Research and Development is published quarterly by the International Mountain Society and is freely available online and open access in collaboration with BioOne (https://bioone.org/journals/mountain-research-and-development).

The journal is subject to the terms of the Creative Commons Attribution License (http://creativecommons.org/licenses/by/4.0). Ownership of the copyright in articles is retained by the authors, but anyone may read, download, copy, reuse, distribute, print, search, and link to the full texts of articles in MRD provided that the original authors and source are properly acknowledged and cited. For any reuse or redistribution of a work, the license terms under which the work was published must be made clear.

#### **Print Version**

The MRD Editorial Office supplies printready PDF files of individual articles or entire issues including covers for delocalized printing to Institutional Members of the IMS upon request. Authors and readers may produce their own printouts from the downloadable PDFs available at https://bioone.org/journals/mountain-research-and-development/issues.

#### **Indexing**

MRD is indexed in the Science Citation Index, Current Contents/Agriculture, Biology and Environmental Sciences, Web of Science, BIOSIS Previews, Geo Abstracts, C.A.B. International Series Checklist, AGRICOLA databases, Meteorological and Geoastrophysical Abstracts (MGA), CABS (Current Awareness in Biological Sciences), and others. MRD is also listed in the Directory of Open Access Journals (DOAJ), ProQuest, EBSCO, and Gale/Cengage Learning.

#### Correspondence

Please address correspondence to:

MRD Editorial Office
Centre for Development and Environment
University of Bern
Mittelstrasse 43
3012 Bern, Switzerland
E-mail: mrd-journal@cde.unibe.ch
Internet: www.mrd-journal.org

Please note that all papers must be submitted online.

See https://www.mrd-journal.org/for-authors/

 ${\it Please \ send \ material \ for \ ``Mountain Media'' \ to:}$ 

Martin Price
Director, Centre for Mountain Studies
Perth College, University of the Highlands
and Islands

Crieff Road, Perth PH1 2NX, UK E-mail: martin.price@perth.uhi.ac.uk

#### **Back Issues**

MRD is published online and open access in collaboration with BioOne. All back issues of MRD from 2000 onwards are available online and free of charge through BioOne; previous issues (1981–2000) are available online through JSTOR (www.jstor.org), and single articles as well as entire issues may be purchased there.

For single hardcopy issue sales from Volume 20 through Volume 28, please contact mrd-info@cde.unibe.ch.

- © 2019 International Mountain Society (IMS) for the journal
- © 2019 Authors for the individual articles