



## Publisher Information

Source: Mountain Research and Development, 39(2)

Published By: International Mountain Society

URL: <https://doi.org/10.1659/0276-4741-39.2.P2>

---

BioOne Complete ([complete.BioOne.org](https://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 [www.bioone.org/terms-of-use](https://www.bioone.org/terms-of-use).

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](http://www.mrd-journal.org)

### Publisher

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

### Institutional Members of the International Mountain Society (IMS)

**SDC**, Swiss Agency for Development and  
Cooperation, Bern

**ICIMOD**, International Centre for  
Integrated Mountain Development,  
Kathmandu

**FAO**, Food and Agriculture Organization of  
the United Nations, Rome

**CONDESAN**, Consortium for the  
Sustainable Development of the Andean  
Ecoregion, Lima

**CDE**, Centre for Development and  
Environment, Bern

**MRI**, Mountain Research Initiative, Bern

**UCA/MSRI**, Mountain Societies Research  
Institute, University of Central Asia,  
Bishkek

**FoLAP**, Forum Landscape, Alps, Parks, Bern

**CMS**, Centre for Mountain Studies, Perth  
College, University of the Highlands and  
Islands, Perth, Scotland

**IMHE**, Institute of Mountain Hazards and  
Environment, Chinese Academy of  
Sciences, Chengdu, China

**ARU**, Afromontane Research Unit,  
University of the Free State,  
Phuthaditjhaba

**ARCOS**, Albertine Rift Conservation Society,  
Kampala

**IGF/ÖAW**, Institute for Interdisciplinary  
Mountain Research, Austrian Academy of  
Sciences, Innsbruck, Austria

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 Björnson

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), Esther Mwangi (Kenya), 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  
Zelege (Ethiopia).

### Representatives of IMS Institutional Members

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

### 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 (<http://www.bioone.org/loi/mrd>).

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 print-  
ready 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 [http://www.  
bioone.org/toc/mrd/current](http://www.bioone.org/toc/mrd/current).

### 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  
Geostrophical 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](mailto:mrd-journal@cde.unibe.ch)  
Internet: [www.mrd-journal.org](http://www.mrd-journal.org)

**Please note that all papers must be submitted  
online.**

See [http://www.mrd-journal.org/submission.  
asp](http://www.mrd-journal.org/submission.asp)

*Please send material for “MountainMedia” 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](mailto: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](http://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](mailto:mrd-info@cde.unibe.ch).

© 2019 International Mountain Society  
(IMS) for the journal

© 2019 Authors for the individual articles