



GMBA NEWS – DECEMBER 2018

Dear colleagues,

The year is getting to an end and we want to thank you all for your contribution to and interest in GMBA. We are wishing you happy holidays and a good start in 2019 and are looking forward to staying in touch with you!

GMBA NEWS

GMBA launched the beta version of its database search tool

An important role for GMBA is to connect mountain biodiversity scientists. For that purpose, we have developed an online tool for the query of our database of members. Using e.g. names, affiliations, titles, or field-, geographic area-, or taxonomic group of expertise, you can find scientists who agreed to share their profile online, access their professional information, and get in touch (albeit via the GMBA office for security and privacy reasons). We are looking forward to receiving your feedback about this first version!

Note: in this beta release, not all the resources are available yet. We are working on it and on updating your profiles. So if you don't find yourself, you will soon!

[Link to the search tool](#)

Indigenous Mountain Peoples Database

During the past months, GMBA has collaborated with the Mountain Partnership Secretariat (MPS) on the development of an interactive web portal for the query and visualization of information about indigenous mountain communities worldwide. The aim of the Indigenous Mountain Peoples database is to raise awareness about these communities by providing online access to a range of information about them, including their location, main food systems, cultural particularities, and language(s). [Link to the web portal](#)

GMBA opportunity: 70% post-doc position on mountain biodiversity and sustainable development

We are still looking for a post-doc to work on our Research for Development project ("[Mountain Biodiversity and the Sustainable Development Goals](#)") together with our partners in Bolivia, Nepal, and Tanzania at the interface between natural and social sciences. **Application deadline: 14.01.2019.** [Read more...](#)

GMBA publications

Since our last newsletter, GMBA has co-authored two papers in collaboration with the [Mountain Research Initiative](#) (MRI) and other members of the Global Earth Observations - Global Network for Observations and Information on Mountain Environments ([GEO-GNOME](#)) initiative. The first paper summarizes a workshop organized by MRI to revisit the GEO-GNOME work plan and the second describes the [Global Mountain Explorer](#), an online tool for the visual comparison of mountain definitions, which was released in October 2017.

- Adler et al. (2018). Monitoring Mountains in a Changing World: New Horizons for the Global Network for Observations and Information on Mountain Environments (GEO-GNOME). Mountain Research and Development 38(3): 265–269 ([DOI: 10.1659/MRD-JOURNAL-D-8-00065.1](#))
- Sayre et al. (2018). A new high-resolution map of world mountains and an online tool for visualizing and comparing characterizations of global mountain distributions. Mountain Research and Development 38(3): 240-249 ([DOI: 10.1659/MRD-JOURNAL-D-17-00107.1](#))

NETWORK NEWS

Opportunities: Afromontane Research Unit: Postgraduate bursary programme 2019

The Afromontane Research Unit (ARU) is looking for outstanding post-graduate students to contribute to its multi-disciplinary research on southern African mountains, especially the Maloti-Drakensberg. The ARU focuses its research into (1) Conservation & Sustainable Use of Afromontane Biodiversity, (2) Living & Doing Business in Afromontane Environments, (3) Sustainable Futures for the People of the Afromontane. Prospective students are welcome to submit applications for bursaries for 2019, for consideration as part of the current suite of projects.

Application deadline: 31.01.2019. [Read more...](#)

FOR THE AGENDA

International Mountain Conference 2019

The IMC 2019 will take place 08 - 12 September 2019 in Innsbruck, Austria. It aims to build upon the three previous mountain conferences that took place in Perth, Scotland, continuing this special scientific conference series with a focus on mountain-specific topics. Hosted in the Alps, the IMC 2019 will provide an excellent opportunity for experts from different disciplines to come together and discuss mountain-related issues. GMBA will be co-leading a session on "[Mountain biodiversity and ecosystems under global change](#)" with MRI (Worskhop 2.2.D). The call for abstract is open until 10.02.2019. [Read more...](#)

African Ecosystem Service Partnership Conference 2019: new dates!

The Ecosystem Services Partnership is announcing that its 2019 Africa regional conference has been postponed to June 17-20. This conference will focus on the '*Management of Ecosystem Services for Nature Conservation and Human Wellbeing in Africa*' and is organized to draw attention to the key role ecosystems are playing in the development of the economy, human wellbeing and culture in (Sub-Saharan) Africa. [Read more and stay tuned...](#)

NETWORK PUBLICATIONS

- Antonelli et al. (2018). Geological and climatic influences on mountain biodiversity. *Nature Geosciences* 11: 718-724 ([DOI: 10.1038/s41561-018-0236-z](#))
- Aradena et al. (2018). Bird diversity along elevational gradients in the Dry Tropical Andes of northern Chile: The potential role of Aymara indigenous traditional agriculture. *PlosOne* ([DOI: 10.1371/journal.pone.0207544](#))
- Bentley et al. (2018). Range contraction to a higher elevation: the likely future of the montane vegetation in South Africa and Lesotho. *Biodiversity and Conservation* ([DOI: 10.1007/s10531-018-1643-6](#))
- Breckle et al. (2018). Floristic analysis of the subnival-nival vegetation of the Hindu Kush and Caucasus. *Bielefelder Ökologische Beiträge* 21([Link](#))
- Caliz et al. (2018). A long-term survey unveils strong seasonal patterns in the airborne microbiome coupled to general and regional atmospheric circulations. *Proceedings of the National Academy of Sciences* ([DOI: 10.1073/pnas.1812826115](#))
- Carvalho-Santos et al. (2018). Ecosystem services in a protected mountain range of Portugal: satellite-based products for state and trend analysis. *Remote Sensing* 10(10): 1573 ([DOI: 10.3390/rs10101573](#))
- Grau et al. (2018). La puna argentina. *Naturaleza y cultura. Serie Conservación de la Naturaleza* ([Link](#))
- Hilpold et al. (2018). Decline of rare and specialist species across multiple taxonomic groups after grassland intensification and abandonment. *Biodiversity and Conservation* ([DOI: 10.1007/s10531-018-1623-x](#))
- Lamprecht et al. (2018) Climate change leads to accelerated transformation of high-elevation vegetation in the central Alps. *New Phytologist* 220(2): 447-459 ([DOI: 10.1111/nph.15290](#))
- Moses et al. (2018). Floristic Diversity across the Cameroon Mountains: The case of Bakossi National Park and Mt Nlonako. Technical Report ([Link](#))
- Musthafa et al. (2018). Comparative study of spatial patterns and ecological niches of beetles in two Malaysian mountains elevation gradients. *Journal of Insect Conservation* ([DOI: 10.1007/s10841-018-0099-z](#))
- Polato et al. (2018). Narrow thermal tolerance and low dispersal drive higher speciation in tropical mountains. *Proceedings National Academy of Sciences* ([DOI: 10.1073/pnas.1809326115](#))
- Rangel et al. (2018). Patterns of richness and diversity of flowering plants in the páramo biome. *Colombia Diversidad Biótica series (XVI)* ([Link](#))
- Sharma et al. (2018). Regeneration patterns of tree species along an elevational gradient in the Garhwal Himalaya. *Mountain Research and Development* 38(3): 211-219 ([DOI: 10.1659/MRD-JOURNAL-D-15-00076.1](#))
- Sun et al. (2018). Reticulate evolution within a spruce (*Picea*) species complex revealed by population genomic analysis. *Evolution* ([DOI: 10.1111/evo.13624](#))
- Valbuena-Urena et al. (2018). Jailed in the mountains: Genetic diversity and structure of an endemic newt species across the Pyrenees. *PLOS One* ([DOI: 10.1371/journal.pone.0200214](#))
- Vega Isuhuaylas et al. (2018). Natural forest mapping in the Andes (Peru): a comparison of the performance of machine-learning algorithms. *Remote Sensing* 10(5): 782 ([DOI: 10.3390/rs10050782](#))
- Wondie et al. (2018). Planting of *Acacia decurrens* and dynamics of land cover change in Fagita Lekoma district in the northwestern highlands of Ethiopia. *Mountain Research and Development* 38(3): 230-239 ([DOI: 10.1659/MRD-JOURNAL-D-16-00082.1](#))
- Yu et al. (2018). Mapping the genetic patterns of plants in the region of the Qinghai–Tibet Plateau: Implications for conservation strategies. *Diversity and Distributions* ([DOI: 10.1111/ddi.12847](#))

- Yu et al. (2018). Testing multiple hypotheses for the high endemic plant diversity of the Tibetan Plateau. *Global Ecology and Biogeography* ([DOI: 10.1111/geb.12827](https://doi.org/10.1111/geb.12827))
 - Zhou et al. (2018). Comparing the water-holding characteristics of broadleaved, coniferous, and mixed forest litter layers in a karst region. *Mountain Research and Development* 38(3): 220-229 ([DOI: 10.1659/MRD-JOURNAL-D-17-00002.1](https://doi.org/10.1659/MRD-JOURNAL-D-17-00002.1))
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MANAGE YOUR PROFILE

- [Update your profile](#)
- [Unsubscribe from the GMBA mailing list](#): you remain in our database but do not receive the newsletter any more
- [Unsubscribe from the GMBA network](#): this automatically removes you from our database and mailing list