

## Marcel MÎNDRESCU. Curriculum Vitae

### PROFESSIONAL BACKGROUND

- ❑ *Institution:* University of Suceava, Department of Geography, Romania
- ❑ *Position:* Assistant professor ([http://atlas.usv.ro/www/geografie/usv/mindrescu\\_marcel.php/](http://atlas.usv.ro/www/geografie/usv/mindrescu_marcel.php/))
- ❑ *Experience:* 18 years of academic and research activities at the University of Suceava and short internships of teaching and research at various European universities. 17 years of experience in Erasmus programme.
- ❑ *Disciplines taught:* Hydrology, Geomorphology, Environmental Geography, GIS applied in hydrology and geomorphology, Limnology/Palaeolimnology

### PUBLICATIONS ([https://www.researchgate.net/profile/Mindrescu\\_Marcel](https://www.researchgate.net/profile/Mindrescu_Marcel))

- ❑ 16 papers published in Web of Science journals (of which 7 as a first author)
- ❑ More than 30 papers published in journals indexed in international databases
- ❑ A newly published books tackling a novel scientific field in Romania (palaeolimnology and glacial geomorphology)
- ❑ Two peer-reviewed book chapters published in an international publishing house
- ❑ Two nationwide-scale maps with comprehensive explanatory text

### INTERNATIONAL and NATIONAL RECOGNITION

- ❑ Chairman and organizer of 4 international conferences on past and present climate changes, and advances in paleoscience in the Carpathian-Balkan area and Central and Eastern Europe (from 2011 to 2016):

1. *Climate Change in the Carpathian-Balkan Region During the Late Pleistocene and Holocene*

(CBW2011, June 2011, Suceava, Romania): <http://www.pages-igbp.org/calendar/past/2011-past/127-pages/1144-climate-change-in-the-balkan-carpathian-region-during-the-late-pleistocene-holocene>

2. *Interdisciplinarity in Geoscience in the Carpathian Basin* (IGCB2012, 18-21 October 2012,

Suceava, Romania): <http://mri.scnatweb.ch/en/mri-news/221-sc4-news/1158-interdisciplinarity-in-geoscience-in-the-carpathian-basin-igcb>

3. *Late Pleistocene and Holocene climatic variability in the Carpathian-Balkan area* (CBW2014,

6-9 November 2014, Cluj Napoca, Romania): <http://www.pages-igbp.org/calendar/past/2014/127-pages/1208-carpathian-balkan-2014-workshop>

4. *Central and Eastern Europe Paleoscience Symposium: From Local to Global* (CEEP2016, 23-26 May 2016, Cluj Napoca, Romania): <http://www.pages-igbp.org/calendar/2016/127-pages/1524-pages-romanian-symposium>

- ❑ Member in the steering committee of the Science for Carpathians (S4C):  
[http://carpathianscience.org/about/s4c-scientific-steering-committee/mindrescu\\_marcel\\_ok-2/](http://carpathianscience.org/about/s4c-scientific-steering-committee/mindrescu_marcel_ok-2/)
- ❑ Member of the scientific committees of international conferences:
  1. *Forum Carpathicum 2010* (FC2010), Krakow, Poland
  2. *Forum Carpathicum 2012* (FC2012), Stará Lesná, Slovakia
  3. *Forum Carpathicum 2016* (FC2016), 28-30 September 2016, Bucharest, Romania  
([http://geo.unibuc.ro/fc/FC\\_2016\\_Committee.html](http://geo.unibuc.ro/fc/FC_2016_Committee.html))
- ❑ Member on the steering boards of international scientific organizations (*MRI Europe - Carpathians*; *South Eastern Europe Mountain Research - SEEmore*): <http://mri.scnatweb.ch/mri-europe/south-eastern-europe/steering-committee> (president from 2012 to 2015)
- ❑ Guest editor for three issues of *Quaternary International*: volume 293/2013 (Balkan-Carpathian 1: <http://www.sciencedirect.com/science/journal/10406182/293>, comprising of 25 scientific papers), and a volume newly published online (March 2016) dedicated to the CBW2014 conference (volume 415/2016: <http://www.sciencedirect.com/science/journal/10406182/415> and last one under progress.
- ❑ Editor-in-chief for the journal *Georeview* (*Scientific Annals of Stefan cel Mare University of Suceava. Geography series*, indexed in international databases), from 2011 to present ([www.georeview.ro](http://www.georeview.ro))
- ❑ Member in the scientific board of the international journal *Acta Scientiarum Polonorum* (<http://www.acta.media.pl/pl/main.php?p=10&sub=3&act=57&s=15&lang=en>)
- ❑ Reviewer for Web of Science international Journals, such as: *Central European Journal of Geosciences*, *Quaternary Science Reviews*, *Lakes & Reservoirs: Research and Management*, *Quaternary International*, *The Holocene* etc.
- ❑ Member in the scientific teams of 12 research grants funded by the Romanian government and European Union.
- ❑ Invited lecturer in various universities and research institutes (Durham University, University of Manchester, University of Salford - United Kingdom; Pedagogical University of Krakow, Institute of Geography and Spatial Management of the Jagiellonian University in Krakow - Poland; University of Ljubljana - Slovenia; University of Bern - Switzerland; Eötvös Loránd University (ELTE), Budapest, Hungary; University of Vermont, USA)
- ❑ President of the Association of Applied Geography GEOCONCEPT (from 2010 to present)

- Member of National Council of Scientific Research in Romania, committee of Earth Science

## RESEARCH PAPERS

1. **Mîndrescu M**, Németh A, Grădinaru I, Bihari Á, Németh T, Fekete J, Bozsó G, Kern Z (2016) Bolătau sediment record - Chronology, microsedimentology and potential for a high resolution multimillennial palaeoenvironmental proxy archive. *Quaternary Geochronology* 32: 11-20.
2. Árvai M, Popa I, **Mîndrescu M**, Nagy B, Kern Z (2016) Dendrochronology and radiocarbon dating of subfossil spruce logs from a peat bog, Maramures Mts, Romania. *Quaternary International* 415: 6-14.
3. Necşoiu M, **Mîndrescu M**, Onaca A, Wigginton S (2016) Geomorphologic evolution of alpine lakes in Southern Carpathian mountains using high-resolution optical imagery. *Quaternary International* 415: 164-174.
4. **Mîndrescu M**, Veres D (2016) Recent contributions and prospects for climatic variability studies in Central and Eastern Europe. *Quaternary International* 415: 1-5.
5. Hutchinson SM, Akinyemi FO, **Mîndrescu M**, Begy R, Feurdean A (2016) Recent sediment accumulation rates in contrasting lakes in the Carpathians (Romania): impacts of shifts in socio-economic regime. *Regional Environmental Change* 16(2): 501-513.
6. **Mîndrescu M** and Evans IS (2014) Cirque form and development in Romania: allometry and the buzz-saw hypothesis. *Geomorphology* 208: 117-136.
7. Geantă A, Gałka M, Tanţău I, Hutchinson SM, **Mîndrescu M**, Feurdean A (2014) High mountain region of the Northern Romanian Carpathians responded sensitively to Holocene climate and land use changes: A multi-proxy analysis. *The Holocene* 24(8): 944-956.
8. **Mîndrescu M**, Cristea AI, Hutchinson SM, Florescu G, Feurdean A (2013) Interdisciplinary investigations of the first reported laminated lacustrine sediments in Romania. *Quaternary International* 293: 219-230.
9. Akinyemi FO, Hutchinson SM, **Mîndrescu M**, Rothwell JJ (2013) Lake sediment records of atmospheric pollution in the Romanian Carpathians. *Quaternary International* 293: 105-113.
10. Fărcaş S., Tanţău I., **Mîndrescu M.**, Hurdu B. 2013. Holocene vegetation history in the Maramureş Mountains (Northern Romanian Carpathians). *Quaternary International* 293: 92-104.
11. Vereş, D, **Mîndrescu M** (2013) Advancing Pleistocene and Holocene climate change research in the Carpathian-Balkan region. *Quaternary International*, 293, 1-4.

12. Knorn J, Kuemmerle T, Radeloff VC, Szabo A, **Mîndrescu M**, Keeton WS, Abrudan I, Griffiths P, Gancz V, Hostert P (2012) Forest restitution and protected area effectiveness in post-socialist Romania. *Biological Conservation*, 146/1, 2012, 204-212.
13. **Mîndrescu M**, Cristea IA, Hutchinson SM (2010) Bathymetric and sedimentological changes of glacial Lake Ştiol, Rodna Masiff. *Carpathian Journal of Earth and Environmental Sciences* 5(1): 57-65.
14. **Mîndrescu M**, Evans IS, Cox NJ (2010) Climatic implications of cirque distribution in the Romanian Carpathians: Palaeowind directions during glacial periods. *Journal of Quaternary Science* 25(6): 875-888.
15. Florescu G, Hutchinson SM, **Mîndrescu M**, Kern Z, Cristea IA, Mihăilă D, Feurdean A (2016) Last 1000 years of environmental history in Southern Bucovina, Romania; a high resolution multi-proxy lacustrine archive. *Paleoecology Paleoclimatology Paleogeography* (*accepted*).

#### **BOOKS/ CHAPTERS (including monographs)**

1. **Mîndrescu M** (2016) Geomorfometria circurilor glaciare din Carpaţi ii Româneş ti (*Geomorphometry of the glacial cirques in the Romanian Carpathians*). Edit. Universităţ ii “Ştefan cel Mare” Suceava, Romania (174 p.). ISBN 978-973-666-498-4.
2. Florescu G and **Mîndrescu M** (2016) Ghid practic de paleolimnologie (*Guidebook of palaeolimnology*). Editura Universităţ ii Ştefan cel Mare Suceava, Romania (207 p.). ISBN 978-973-666-469-4.
3. **Mîndrescu M** (2016) Circurile glaciare din Carpaţi ii Româneş ti (*Glacial cirques in the Romanian Carpathians*). Editura Universităţ ii Ştefan cel Mare Suceava, Romania. ISBN: 978-973-666-491-5.
4. **Mîndrescu M**, Cristea AI, Zamosteanu A (2016) Lacurile ş i turbăriile glaciare din Carpaţi ii româneş ti (*Glacial lakes and peatbogs in the Romanian Carpathians*). Editura Universităţ ii Ştefan cel Mare Suceava, Romania. ISBN: 978-973-666-470-0.
5. **Mîndrescu M**, Florescu G, Grădinaru I, Haliuc A (2016) Lakes, lacustrine sediments and palaeoenvironmental reconstructions (cap.30). In: *Landform Dynamics and Evolution in Romania*. Edit. Springer, 699-731.
6. **Mîndrescu M**, Evans IS (2016) Glacial cirques in the Romanian Carpathians and their climatic implications (cap. 9). In: *Landform Dynamics and Evolution in Romania*. Edit. Springer, 208-224.

## RESEARCH PROJECTS

### □ **Director:**

1. Climate variability recorded by glacial deposits and lake sediments (2012-2016) (UEFISCDI Romania: PN-II-RU-TE-2012-3-0386): <http://georeview.ro/cirques%26lakes/>. Achieved results: 5 papers were published in Web of Science journals, as well as 1 book, 2 peer-reviewed chapters and 2 maps, 2 phd theses in palaeolimnology were defended at home university and 2 international conferences were organized.
2. Grants dedicated to organizing international conferences: *Late Pleistocene and Holocene climatic variability in the Carpathian-Balkan area* (2014, funded by PAGES, Switzerland; achieved results: 1 special volume published by *Quaternary International*); *Interdisciplinarity in geoscience in the Carpathian Basin* (2012, funded by CNCSIS, Romania - PN-II-ID-WE-2012-4-056); *Climate change in the Carpathian-Balkan region during the Late Pleistocene and Holocene* (2011, funded by PAGES and Mountain Research Initiative - MRI, Austria; achieved results: 1 special volume published by *Quaternary International* - vol. 293/2013).

### □ **Collaborator in international grants:**

1. *Home mentor in Sciex Fellowship 13.341* (2014-2015): NROM - Assessing climate variability and human impact based on the study of sediments and glacial deposits in Rodna Mountains, Northern Romania (funded by Switzerland).
2. *Responsible for Romania in Protecting forests and livelihoods in the Romanian Carpathians through community management practices* (2014-2016). Funded by The Trust for Mutual Understanding, New York, USA.
3. *Senior Researcher in Forest response to climate change predicted from multicentury climate proxy-records in the Carpathian region* - CLIMFOR (EEA-JRP-RO-NO-2013-1-0204) no. 18 SEE/2014: <http://www.silvic.usv.ro/climfor/team.php>.

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