

## Marcel MÎNDRESCU. Curriculum Vitae

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

- ❑ 22 papers published in Web of Science journals (of which 6 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 RECOGNITION:

- ❑ **Editor for 3 issues of Quaternary International** (web of Science, FI=2.470):
  1. ***Advancing Pleistocene and Holocene climate change research in the Carpathian-Balkan region***, volume 293/2013, comprising of 25 scientific papers: <http://www.sciencedirect.com/science/journal/10406182/293>
  2. ***Climate change in the Balkan-Carpathian region during Late Pleistocene and Holocene***, volume 415/2016: <http://www.sciencedirect.com/science/journal/10406182/415>
  3. ***European Paleoscience*** (2018). **Quaternary International** is Journal of the International Union for Quaternary Research (INQUA). Established in 1928 (one of the oldest scientific association in the world), INQUA is committed to promoting collaborations among scientists around the world.
- ❑ **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:**

1. *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/)

2. *Mountain Research Initiative* (MRI) and *South Eastern Europe Mountain Research* (SEEmore) : <http://mri.scnatweb.ch/mri-europe/south-eastern-europe/steering-committee> (president from 2012 to 2015)

❑ **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>)

**NATIONAL RECOGNITION:**

- ❑ Member of Scientific Committee of National Park of Rodna Mountains, since 2017.
- ❑ Member of CNATDCU, Committee of Earth Science (The Appeals Board), since 2017
- ❑ Member of National Council of Scientific Research in Romania, Committee of Earth Science (2016)
- ❑ President of the Association of Applied Geography GEOCONCEPT, since 2010.  
<http://www.atlas.usv.ro/geoconcept/membri.php>

**RESEARCH PAPERS. *Web of science***

1. Nistor MM, **Mindrescu M**, Petrea D et al. (2018) Climate change impact on crop evapotranspiration in Turkey during 21st century. *Meteorological Applications*. <https://doi.org/10.1002/met.1774>
2. Haliuc A, Feurdean A, **Mindrescu M** et al. (2018) Impacts of forest loss in the eastern Carpathian Mountains: linking remote sensing and sediment changes in a mid-altitude catchment (Red Lake, Romania). *Regional Environmental Change*, 10.1007/s10113-018-1416-5
3. Dezi S, **Mindrescu M**, Petrea D, Rai PK, Hamann A, Nistor MM (2018) High-resolution projections of evapotranspiration and water availability for Europe under climate change. *International Journal of Climatology*. b 10.1002/joc.5537.

4. Nistor MM, **Mîndrescu M** (2018) Climate change effect on groundwater resources in Emilia-Romagna region: An improved assessment through NISTOR-CEGW method. *Quaternary International*. DOI: 10.1016/j.quaint.2017.11.018
5. Bihari Á, Karlik M, **Mîndrescu M**, Németh A, Grădinaru I, Kern Z (2017) Fallout isotope chronology of the near-surface sediment record of Lake Bolătău. *Journal of Environmental Radioactivity*. DOI: 10.1016/j.jenvrad.2017.10.009
6. Florescu G, Hutchinson SM, Kern Z, **Mîndrescu M**, Cristea IA, Mihăilă D, Łokas E, Feurdean A (2017) Last 1000 years of environmental history in Southern Bucovina, Romania: A high resolution multi-proxy lacustrine archive. *Palaeogeography, Palaeoclimatology, Palaeoecology* 473: 26–40.
7. **Mîndrescu M**, Németh A, Grădinaru I, Bihari Á, Németh T, Fekete J, Bozsó G, Kern Z (2016) Bolătău sediment record - Chronology, microsedimentology and potential for a high resolution multimillennial palaeoenvironmental proxy archive. *Quaternary Geochronology* 32: 11-20.
8. 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.
9. 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.
10. **Mîndrescu M**, Veres D (2016) Recent contributions and prospects for climatic variability studies in Central and Eastern Europe. *Quaternary International* 415: 1-5.
11. 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.
12. **Mîndrescu M** and Evans IS (2014) Cirque form and development in Romania: allometry and the buzz-saw hypothesis. *Geomorphology* 208: 117-136.
13. 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.
14. Lendvay B, Höhn M, Brodbeck S, **Mîndrescu M**, Gugerli F (2014) Genetic structure in *Pinus cembra* from the Carpathian Mountains inferred from nuclear and chloroplast microsatellites confirms post-glacial range contraction and identifies introduced individuals. *Tree Genetics and Genomes*, 10: 1419-1433.
15. **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.

16. Akinyemi FO, Hutchinson SM, **Mîndrescu M**, Rothwell JJ (2013) Lake sediment records of atmospheric pollution in the Romanian Carpathians. *Quaternary International* 293: 105-113.
17. Fărcaș S, Tanțău I, **Mîndrescu M**, Hurdu B (2013) Holocene vegetation history in the Maramureș Mountains (Northern Romanian Carpathians). *Quaternary International* 293: 92-104.
18. Vereș, D, **Mîndrescu M** (2013) Advancing Pleistocene and Holocene climate change research in the Carpathian-Balkan region. *Quaternary International*, 293, 1-4.
19. 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.
20. **Mîndrescu M**, Cristea IA, Hutchinson SM (2010) Bathymetric and sedimentological changes of glacial Lake Știol, Rodna Masiff. *Carpathian Journal of Earth and Environmental Sciences* 5(1): 57-65.
21. **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.
22. Fărcaș S, Tanțău I, Hurdu B, **Mîndrescu M**, Filipas L (2009) Phytohistorical aspects of the Natura 2000 site "Maramures Mountains", *Contribuții Botanice* [BIOSIS Previews (Web of Science)], Cluj-Napoca, XLIV, 2009, p. 131-140.

#### BOOKS/ CHAPTERS /MAPS:

1. **Mîndrescu M** (2016) Geomorfometria circurilor glaciare din Carpații Românești (*Geomorphometry of the glacial cirques in the Romanian Carpathians*). Edit. Universității "Ștefan cel Mare" Suceava, Romania (174 p.). ISBN 978-973-666-498-4.
2. Florescu G, **Mîndrescu M** (2016) Ghid practic de paleolimnologie (*Guidebook of palaeolimnology*). Editura Universității Ștefan cel Mare Suceava, Romania (207 p.). ISBN 978-973-666-469-4.
3. **Mîndrescu M** (2016) Circurile glaciare din Carpații Românești (*Glacial cirques in the Romanian Carpathians*). Editura Universității Ștefan cel Mare Suceava, Romania. ISBN: 978-973-666-491-5.
4. **Mîndrescu M**, Cristea AI, Zamosteanu A (2016) Lacurile și turbăriile glaciare din Carpații românești (*Glacial lakes and peatbogs in the Romanian Carpathians*). Editura Universității Ștefan 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 GRANTS:

### **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: **i) *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); **ii) *Interdisciplinarity in geoscience in the Carpathian Basin*** (2012, funded by CNCSIS, Romania - PN-II-ID-WE-2012-4-056); **iii) *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).

### **Partner:**

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). Guest Institution Mentor: Flavio Anselmetti (UBern, Elvetia); Student: Andrei Zamosteanu (USV, Romania). Valoarea grantului- 60.000 CHF (245.052 lei). Perioada: 2014-2015.  
<https://www.youtube.com/watch?v=F8t6SlcnZcY>
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 multientury 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>
4. Senior Researcher in ***CRYPTIC: CRYPTogams' Traits In the Carpathians***. Carried out from 2016 to 2020, in the total amount of the grant of 25.927 Million HUF, funded by NKFI-6

(National Research, Development and Innovation Office, Hungary). Director: Krisztina Buczkó. [http://buczko.eu/cryptic/project\\_members/project\\_members.php](http://buczko.eu/cryptic/project_members/project_members.php)

5. Senior Researcher in ***Les vieilles FORETs des Maramures (Carpates orientales) face à l'Exploitation forestière Intensive : plan d'urgence pour une étude gLobale en vue de leur préservation et gestion durable. FORETEXIL.*** Perioada 2017-2018. Suma: 40.000 euro. Cod proiect: GEODE UMR 5602. Director: Py-Saragaglia Vanessa

6. Senior Researcher and PhD Co-Supervisor in ***Terra Nova: The European Landscape Learning Initiative: Past and Future Environments and Energy Regimes shaping Policy Tools.*** Suma: 4 090 952,52 euro. Call: H2020-MSCA-ITN-2018. Funding scheme: MSCA-ITN-ETN. Activity: MSCA-ITN-ETN: SOC. Proposal number: 813904. Proposal acronym: TerraNova. Duration (months): 48  
<https://cordis.europa.eu/project/rcn/218061/factsheet/en>

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