LISTA PUBLICAȚII & PROIECTE

MIRCEA ARDELEAN

mircea.ardelean@e-uvt.ro

Lector Dr.

PUBLICAȚII

- Kern, Z., Urdea, P., Ardelean, M., Ruszkiczay-Rudiger, Z., ASTER Team, 2025, Updated Chronology of the Last Deglaciation in the Fagaras Mts (Romania), GEOSCIENCES, 15:3, DOI10.3390/geosciences15030109
- Urdea, P., Ardelean, F., Ardelean, M., Onaca, A., Berzescu, O., 2024, Chapter 18 - Glacial landscape evolution during the Holocene in the Romanian Carpathians, in European Glacial Landscape: The Holocene, Editor D. Palacios et al., p. 331-351
- Minnebo, P., Vuillaume J.F., Ardelean, M., 2023, Sustainable electricity generation and transmission in the Kingdom of Morocco, Publications Office of the European Union, Luxembourg, DOI: 10.2760/142660
- Ardelean, M., Minnebo, P., 2023, The suitability of seas and shores for building submarine power interconnections, Renewable and Sustainable Energy Reviews, 176C: 113210
- Urdea, P., Ardelean, F., Ardelean, M., Onaca, A., 2023, Chapter 54 - The Romanian Carpathians: glacial landforms from the Younger Dryas, in European Glacial Landscapes. The Last Deglaciation, Editor D. Palacios et al., p. 517-524
- Urdea, P., Ardelean, F., Ardelean, M., Onaca, A., 2023, Chapter 36 - The Romanian Carpathians: glacial landforms during Bølling–Allerød Interstadial (14.6–12.9 ka), in European Glacial Landscapes. The Last Deglaciation, Editor D. Palacios et al., p. 347-353
- Urdea, P., Ardelean, F., Ardelean, M., Onaca, A., 2023, Chapter 19 - The Romanian Carpathians: glacial landforms during deglaciation (18.9–14.6 ka), in European Glacial Landscapes. The Last Deglaciation, Editor D. Palacios et al., p. 165-173
- Urdea, P., Ardelean, F., Ardelean, M., Onaca, A., 2022, Chapter 57 - The Romanian Carpathians: glacial landforms from the Last Glacial Maximum (29–19 ka), in European Glacial Landscapes. Maximum Extent of Glaciations, Editor D. Palacios et al., p. 441-447
- Urdea, P., Ardelean, F., Ardelean, M., Onaca, A., 2022, Chapter 38 - The Romanian Carpathians: glacial landforms prior to the Last Glacial Maximum, in European Glacial Landscapes. Maximum Extent of Glaciations, Editor D. Palacios et al., p. 277-282
- Urdea, P., Ardelean, F., Ardelean, M., Onaca, A., 2022, Chapter 14 – Glacial landscapes of the Romanian Carpathians, in European Glacial Landscapes. Maximum Extent of Glaciations, Editor D. Palacios et al., p. 109-114
- Vitiello, S., Andreadou, N., Ardelean, M., Fulli, G., 2022, Smart Metering Roll-Out in Europe: Where Do We Stand? Cost Benefit Analyses in the

Clean Energy Package and Research Trends in the Green Deal, Energies, 15(7), 2340, https://doi.org/10.3390/en15072340
- Minnebo, P., Ardelean, M., 2021, Sustainable Power Sector Development in Uzbekistan and Tajikistan, Publications Office of the European Union, doi:10.2760/940927 (online)
- Ardelean, M., Minnebo, P., Gerbelova, H., 2020, Optimal Paths for Electricity Interconnections between Central Asia and Europe, Publications Office of the European Union, DOI: 10.2760/95740 (online)
- Purvins, A., Sereno, L., Ardelean, M., Covrig, C.-F., Efthimiadis, T., Minnebo, P., 2018, Submarine power cable between Europe and North America: A techno-economic analysis, Journal of Cleaner Production, 186: 131-145
- Ardelean, M., Minnebo, P., 2017, A China-EU electricity transmission link: Assessment of potential connecting countries and routes, Publications Office of the European Union, DOI: 10.2760/67516
- Chaouachi, A., Covrig, F.-C., Ardelean, M., 2017, Multi-criteria selection of offshore wind farms: Case study for the Baltic States, Energy Policy, 103: 179-192
- Corsatea, T., D., Giaccaria, S., Covrig, F.-C., Zaccarelli, N., Ardelean, M., 2016, RES diffusion and R&D investments in the flexibilisation of the European electricity networks, Renewable and Sustainable Energy Reviews, 55: 1069-1082
- Nicolin, A., Arsene, G., Prunar, F., Imbrea, I.M., Bănățean-Dunea, I., Stănescu, D., Bădescu, D., Ardelean, M., Duma, I., 2016, Internal zonation: a delicate issue-the case of Nera Gorges-Beușnița National Park (S-W Romania), Research Journal of Agricultural Science, 48 (1): 236-248
- Ardelean, M., Minnebo, P., 2015, HVDC Submarine Power Cables in the World: State-of-the-Art Knowledge, Publications Office of the European Union, DOI: 10.2790/023689 (online)
- Bompard, E., Fulli, G., Masera, M., Ardelean, M., 2014, It's a Bird, It's a Plane, It's a...Supergrid!: Evolution, Opportunities, and Critical Issues for Pan-European Transmission, IEEE Power and Energy Magazine, 12/2: 40-50, DOI: 10.1109/MPE.2013.2294813
- Covrig, F.-C., Ardelean, M., Vasiljevska, J., Mengolini, A.M., Fulli, G., Amoiralis, E., 2014, Smart Grid Projects Outlook 2014, Publications Office of the European Union, DOI: 10.2790/22075
- Graceva F., Fulli G., Ardelean M., Masera M., 2013, Energy Security – European Perspective and Policy Challenges, The European journal of critical services and infrastructure protection, 1: 12-15, ISSN 2344-3790
- Giordano, V., Meletiou, A., Covrig, F.-C., Mengolini, A., Ardelean, M., Fulli, G., Sánchez Jiménez, M., Filiou, C., 2013, Smart Grid projects in Europe: Lessons learned and current developments. 2012 update, Publications Office of the European Union, DOI: 10.2790/82707 (online)
- Urdea, P., Onaca, A., Ardelean, F., Ardelean, M., 2011, New Evidence on the Quaternary Glaciation in the Romanian Carpathians, in Developments in Quaternary Sciences, 15: 305-322
- Ráduly C.Ş., Ardelean, F., Domăşneanu, A., Ardelean, M., 2010, Informatică pentru neinformaticieni, Ed. Universităţii de Vest, Timişoara, 246 p.
- Torok-Oance, M., Voiculescu, M., Ardelean, M., Popescu, F., 2010, The Use of the Digital Terrain Model in Analyzing the Natural Potential of the

Muntele Mic – Poiana Mărului – Ţarcu Mountains Tourist Area to Extend and Plan the Ski Domain, Forum geografic, 9: 173-180

- Urdea, P., Torok, M., Ardelean, M., Vuia, F., Voiculescu, M., 2009, Geomorphological aspects of the human impact in the alpine area of Southern Carpathians, Romania, Hrvatski Geografski Glasnik, 71/1: 19-32
- Urdea, P., Ardelean, F., Onaca, A., Ardelean, M., Török-Oance, M., 2008, Application of DC resistivity tomography in the alpine area of Southern Carpathians (Romania), Kane, D.L., Hinkel, K. (editors), Ninth International Conference on Permafrost, Institute of Northern Engineering, University of Alaska, Fairbanks, p. 323-333
- Micle, D., Măruia, L., Cîntar, A., Ardelean, M., 2008, EGISPAT Timiş, Ed. Excelsior Art, 400 p.
- Petru Urdea, Florina Ardelean, Alexandru Onaca, Mircea Ardelean, 2008, The Făgăraş Mountains: Bâlea-Capra area, in IAG Regional Conference on Geomorphology, Landslide, Floods and Global Environmental Change in Mountain Regions – field guidebook, ed. Dan Bălteanu, Braşov, Romania, September 15-26, 2008, p. 42-49
- Petru Urdea, Florina Ardelean, Alexandru Onaca, Mircea Ardelean, 2008, Geophysical investigation, in IAG Regional Conference on Geomorphology, Landslide, Floods and Global Environmental Change in Mountain Regions – field guidebook, ed. Dan Bălteanu, Braşov, Romania, September 15-26, 2008, p. 32-34
- Urdea, P., Ardelean, M., Onaca, A., Ardelean, F., 2008, An outlook on periglacial of the Romanian Carpathians, Analele Universităţii de Vest din Timişoara, GEOGRAFIE, XVIII: 5-30

PROIECTE

- 2020-2021: Power beyond – Energy connection between Europe, Central Asia and North Africa
- 2018: Geopolitical Database on Prospective Trans-Asian Electricity Interconnections and Trade (unit's internal use)
- 2017-2020: INTERCON – Long distance power interconnections; exploring the technical possibilities of electricity trade between Central Asia and Europe (route selection, power flow modelling)
- 2015-2017: OTG – Offshore Transcontinental Grids; looking at the technical requirements and opportunities for a trans-Atlantic submarine power cable
- 2014-2015: Smart Grids Projects in Europe; survey and analysis of the smart grid projects across Europe
- 2010-2012: GIS specialist in Management Plan for the National Park Cheile Nerei – Beuşniţa (Romania)
- 2009-2011: GIS specialist and geomorphologist in FUTUMAR - Past, present, future of the Maros/Mureş River (Hungary-Romania cross border cooperation)