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L I S T A
lucrărilor ştiinţifice

i. Lista celor 10 lucrări considerate relevante pentru realizările proprii

1. **Onaca, A.,** Gachev, E., Ardelean, F., Ardelean, F., Ardelean, A., Perşoiu, A., Hegyi, A., 2022. Small is strong: Post LIA resilience of Europe`s Southernmost glaciers assessed by geophysical methods. *Catena*, 213, 106143. https://doi.org/10.1016/j.catena.2022.106143
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4. **Onaca, A.,** Ardelean, F., Ardelean, A., Magori, B., Sîrbu, F., Voiculescu, M., Gachev, E., 2020. Assessment of permafrost conditions in the highest mountains of the Balkan Peninsula. *Catena,* 185, 104288. https://doi.org/10.1016/j.catena.2019.104288
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9. **Onaca, A.,** Urdea, P., Ardelean, A.C., 2013, Internal structure and permafrost characteristics of the rock glaciers of Southern Carpathians (Romania) assessed by geoelectrical soundings and thermal monitoring, *Geografiska Annaler, Series A: Physical Geography*, 95, 3, 249-266. DOI:10.1111/geoa.12014

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10. Magori, B., Urdea, P., **Onaca, A.,** Ardelean, F., 2020. Distribution and characteristics of rock glaciers in the Balkan Peninsula. *Geografiska Annaler: Series A, Physical Geography*, 102:4, 354-375. DOI: 10.1080/04353676.2020.1809905

ii. Teza de doctorat

Onaca, A., 2013. Procese și forme periglaciare din Carpații Meridionali. Abordare geomorfologică și geofizică. Universitatea de Vest din Timișoara, 237 pp.

iii. Brevete

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iv. Lista cărților

1. Ardelean, F., Hegyi, A., Mocioacă, E., **Onaca, A.,** Timofte, F., Urdea, P., 2019. Current status and new challenges in geomorphological research, Proceedings of the 35th Romanian Symposium of Geomorphology. Editura Universității de Vest, Timișoara, 83 pp.
2. **Onaca, A.,** 2017. Periglacial processes and landforms in Southern Carpathians. A geomorphological and geophysical approach (in Romanian). Editura Universității de Vest, Timișoara, 264 pp (revised version of the PhD dissertation).

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3. 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
4. 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. 411-447
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7. Niebieszczański, J., Petö, A., Serlegi, G., Hildebrandt-Janke, I., Galas, J., Sipos, G., Gergely Páll, D., **Onaca, A.**, Spychalski, W., Jaeger, M., Kulcsár, G., Taylor, N., Márkus, G., 2018. Geoarchaelogical and non-invasive investigations of the site and its surroundings, in: Jaeger, M., Kulcsár, G., Taylor, N., Staniuk (Eds.) *Kakucs-Turjan, a Middle Bronze Age multi-layered fortified settlement in Central Hungary*, Studien zur Archäeologie in Ostmitteleuropa, Totem, 43-73.
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9. Popescu, R., **Onaca, A.**, Urdea, P.,Vespremeanu-Stroe, A., 2017. 3.2.*Spatial distribution and main characteristics of alpine permafrost from Southern Carpathians*, In: Landform dynamics and evolution in Romania, Eds: Rădoane, M., Vespremeanu-Stroe, A., 117-146. *Springer Verlag.*
10. Voiculescu, M., **Onaca, A.**, Chiroiu, P., 2013, Dynamique forestiere et impact des avalanches par la methode dendrochronologique. Vallée glaciaire Bâlea, Massif de Făgăraș (Carpates Meridionales, Roumanie), în: A. Decaulne (ed.), *Arbres & dynamiques, Maison des Sciences de l'Homme, Clermont-Ferrand,* 89-102
11. Urdea, P., Sipos, G., Kiss, T., **Onaca, A.**, 2012, The Maros/Mures, în: G. Sipos (ed.), *Past, Present, Future of the Maros/Mureș River,* Editura Universității de Vest din Timișoara, 9-33 / 159-167;
12. Kiss, T., Urdea, P., Sipos, G., Sümeghy, B., Katona, O., Tóth, O., **Onaca, A.**, Ardelean, F., Timofte, F., Ardelean, C., 2012, The past of the river, în: G. Sipos (ed.), *Past, Present, Future of the Maros/Mureș River,* Editura Universității de Vest din Timișoara, 33-64 / 167-178;
13. Sipos, G., Právetz, T., Katona, O., Ardelean, F., Timofte, F., **Onaca, A.**, Kiss, T., Kovács, F., Tobak, Z., 2012, The ever changing river, în: G. Sipos (ed.), *Past, Present, Future of the Maros/Mureș River,* Editura Universității de Vest din Timișoara, 65-106 / 179-192;
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vi. Lista articolelor/studiilor în extenso, publicate în reviste din fluxul științific internațional principal

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3. Sheishah, D., Sipos, G., Hegyi, A., Kozák, P., Abdelsamei, E., Tóth, C., Onaca, A., Páll, D.G., 2022. Assessing the structure and composition of artificial levees along the lower Tisza river (Hungary), *Geographica Pannonica*, 26, 3, 258-272.
4. Sipos, G., Blanka-Végi, V., Ardelean, F., **Onaca, A.,** Ladányi, Z., Rácz, A., Urdea, P., 2022. Human-nature relationship and public perception of environmental hazards along the Maros/Mureș river (Hungary and Romania), *Geographica Pannonica*, 26, 3, 297-307.
5. Chiroiu, P., **Onaca, A.,** Matica, A., Lopătiță, I-O., Berzescu, O., 2022. Active geomorphic hazards in the Sâmbăta Valley, Făgăraș Mountains (Romania): a tree-ring based approach. *Geographica Pannonica*, 26, 3, 284-296.
6. Nagavciuc, V., Perșoiu, A., Bădăluță, C-A., Bogdevich, O., Bănică, S., Bîrsan, M-V., Boengiu, S., **Onaca, A.**, Ionita, M., 2022. Defining a precipitation stable isotope framework in the wider Carpathian region. *Water*, 14, 2547. https://doi.org/10.3390/w14162547

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7. **Onaca, A.,** Gachev, E., Ardelean, F., Ardelean, F., Ardelean, A., Perşoiu, A., Hegyi, A., 2022. Small is strong: Post LIA resilience of Europe`s Southernmost glaciers assessed by geophysical methods. *Catena*, 213, 106143. https://doi.org/10.1016/j.catena.2022.106143
8. Sipos, G., Marković, S., Gavrilov, M., Balla, A., Filyó, D., Bartyik, T., Mészáros, M., Tóth, O., van Leeuwen, B., Lukić, T., *Urdea, P.,* **Onaca, A.,** Mezősi, G., Kiss, T., 2021. Late Pleistocene and Holocene aeolian activity in the Deliblato Sands, Serbia, *Quaternary Research*, 1-12. doi:10.1017/qua.2021.67
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11. Mreyen, A.-S., Cuachie, L., Micu, M., **Onaca, A.,** H.-B., Havenith, 2021. Multiple geophysical investigations to characterize massive slope failure deposits: application to the Balta rockslide, Carpathians. *Geophysical Journal International*, 225, 1032-1047. doi: 10.1093/gji/ggab028
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13. Ardelean, F., **Onaca, A.,** Chețan, M., Dornik, A., Georgievski, G., Hagemann, S., Timofte, F., Berzescu, O., 2020. Assessment of Spatio-Temporal Landscape Changes from VHR Images in Three Different Permafrost Areas in the Western Russian Arctic. *Remote Sensing*, 12, 3999. DOI: 10.3390/rs12233999
14. Chețan, M., Dornik, A., Ardelean , F., Georgievski, G., Hagemann, S., Romanovsky, V., **Onaca, A.,** Drozdov, D., 2020, 35 Years of Vegetation and Lake Dynamics in the Pechora Catchment, Russian European Arctic, *Remote Sensing*, 12 (11), 1863. https://doi.org/10.3390/rs12111863
15. **Onaca, A.,** Ardelean, F., Ardelean, A., Magori, B., Sîrbu, F., Voiculescu, M., Gachev, E., 2020. Assessment of permafrost conditions in the highest mountains of the Balkan Peninsula. *Catena,* 185, 104288. https://doi.org/10.1016/j.catena.2019.104288
16. Hegyi, A., Urdea, P., Floca, C., Ardelean, A., **Onaca, A.,** 2019. Mapping the subsurface structures of a lost medieval village in South-Western Romania, by combining conventional geophysical methods. *Archaeological Prospection*, 26(1), 21-32. DOI: 10.1002/arp.1720
17. Șerban, R-D., **Onaca, A.,** Șerban, M., Urdea, P., 2019. Block stream characteristics in Southern Carpathians (Romania). *Catena*, 178, 20-31. https://doi.org/10.1016/j.catena.2019.03.003
18. Popescu, R., Vespremeanu-Stroe, A., **Onaca, A.,** Vasile, M., Cruceru, N., Pop, O., 2017. Low-altitude permafrost research in an overcooled talus slope-rock glacier system in the Romanian Carpathians (Detunata Goală, Apuseni Mountains), *Geomorphology,* 295, 840-854. https://doi.org/10.1016/j.geomorph.2017.07.029
19. Ardelean, A., **Onaca, A.,** Urdea, P., Sărășan, A., 2017. Quantifying postglacial sediment storage and denudation rates in a small alpine catchment of the Făgăraș Mountains (Romania), *Science of the Total Environment*, 599-600, 1756-1767. http://dx.doi.org/10.1016/j.scitotenv.2017.05.131
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21. **Onaca, A.,** Ardelean, A.C., Urdea, P., Ardelean, F., Sărășan, A., 2016. Genetic typologies of talus deposits derived from GPR measurements in the alpine environment of Făgăraș Mountains, *Carpathian Journal of Earth and Environmental Sciences,* 11, 2, 609-616.

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25. Chiroiu, P., Stoffel, M., **Onaca A.,** Urdea, P., 2015, Testing dendrogeomorphic approaches and thresholds to reconstruct snow avalanche activity in the Făgăraș Mountains (Romanian Carpathians), *Quaternary Geochronology*, 27, 1–10. http://dx.doi.org/10.1016/j.quageo.2014.11.001
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27. Popescu, R., Vespremeanu-Stroe, A., **Onaca, A.,** Cruceru, N., 2015. Permafrost in the granitic massifs of Southern Carpathians (Parâng Mountains). *Zeitschrift für Geomorphologie,* 59, 1, 1-20. doi.org/10.1127/0372-8854/2014/0145.
28. Şerban, R.D., Sipos, G., Popescu, M., Urdea, P., **Onaca, A.**, Ladányi, Z., 2015, Comparative grain-size measurements for validating sampling and pretreatment techniques in terms of solifluction landforms, Southern Carpathians, Romania, *Journal of Environmental Geography,* 8, 1–2, 39–47. DOI: 10.1515/jengeo-2015-0005
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31. Voiculescu, M., **Onaca, A.**, 2014, Spatio-temporal reconstruction of snow avalanche activity using dendrogeomorphological method in Bucegi Mountains-Romanian Carpathians, *Cold Region Science and Technology*, 104-105, 63-75. http://dx.doi.org/10.1016/j.coldregions.2014.04.005
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33. Voiculescu, M., **Onaca, A.**, 2013, Snow avalanche assessment in the Sinaia ski area (Bucegi Mountains, Southern Carpathians) using the dendrogeomorphology method, *Area*, 45 (1), 109-122. doi:10.1111-area.12003. doi: 10.1111/area.12003
34. **Onaca, A.**, Urdea, P., Ardelean, A., Şerban, R., 2013, Assessement of internal structure of periglacial landforms from Southern Carpathians (Romania) using DC resistivity tomography, *Carpathian Journal of Earth and Environmental Sciences*, 8 (2), 113-122.

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36. Voiculescu, M., Ardelean, F., **Onaca, A.,** Török-Oance, M., 2011, Analysis of snow avalanche potential in Bâlea glacial area - Făgăraş massif, (Southern Carpathians - Romanian Carpathians), *Zeitschrift für Geomorphologie*, Stuttgart, 55 (3): 291-316, doi:10.1127/0372-8854/2011/0054.

vii. Lista publicațiilor în extenso, apărute în lucrări ale principalelor conferințe internaționale de specialitate

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8. Török-Oance, M., Ardelean, F., Voiculescu, M., Urdea, P., **Onaca, A.,** 2011, Object-based terrain classification as tool for improving the quality of the digital geomorphological maps: a case study in Retezat-Godeanu Range: Southern Carpathians, *Annals of DAAM for 2011 & Proceedings of the 22nd International DAAM Symposium*, 22, 1, Viena, 865-866;
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viii. Alte lucrări și contribuții științifice

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