Nume Prenume: Onaca Alexandru

Gradul didactic: Conferențiar univ. dr.

Instituția unde este titular: Universitatea de Vest din Timişoara

Facultatea: Chimie, Biologie, Geografie

Departamentul: Geografie

**LISTA**

**lucrărilor ştiinţifice**

1. **Lista celor 10 lucrări considerate relevante pentru realizările proprii**
2. **Onaca, A.,** Gachev, E., Ardelean, F., Ardelean, F., Ardelean, A., Perșoiu, 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>
3. Perșoiu, A., Buzjak, N., **Onaca, A.,** Pennos, C., Sotiriadis, Y., Ionita, M., Zachariadis, S., Styllas, M., Kosutnik, J., Hegyi, A., Butorac, V. 2021. Record summer rains in 2019 led to massive loss of surface and cave ice in SE Europe. *The Cryosphere*, 15, 2383-2399. https://doi.org/10.5194/tc-15-2383-2021
4. 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](https://www.researchgate.net/deref/http%3A//dx.doi.org/10.3390/rs12233999?_sg%5B0%5D=faA--EEtuDM-S6Q5H86EDhxZZTwDXCm4S1ynZpohgyt24HtQM7L5re8N2EPhQu6niPareR-1K-q81wZWb2Ox04Oqcw.XBVMF8N0Qr3cR6iVt7reOQSLahM8dYjcsySirPRQpWQubC0O5kng5IIdAe3FfryOuogfF2QZqN4nV6ZyYtlQNg)
5. **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
6. **Onaca, A.,** Ardelean, F., Urdea, P., Magori, B., 2017. Southern Carpathian rock glaciers: inventory, distribution and environmental controlling factors, *Geomorphology. 293, 391-404.* doi.org/10.1016/j.geomorph.2016.03.03.
7. 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>
8. Necsoiu, M., **Onaca, A.,** Wigginton, S., Urdea, P., 2016. Rock glacier dynamics in Southern Carpathian Mountains from high-resolution optical and multi-temporal SAR satellite imagery, *Remote Sensing of Environment*, *177*, 21-36. [doi:10.1016/j.rse.2016.02.025](http://dx.doi.org/10.1016/j.rse.2016.02.025)
9. **Onaca, A.,** Ardelean, A. C.,Urdea, P.,Ardelean, F., Sîrbu, F., 2015, Detection of mountain permafrost by combining conventional geophysical methods and thermal monitoring in the Retezat Mountains, Romania, *Cold Regions Science and Technology*, 119**,** 111-123. <http://dx.doi.org/10.1016/j.coldregions.2015.08.001>
10. **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
11. 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](https://doi.org/10.1080/04353676.2020.1809905)
12. **Teza de doctorat**

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

1. **Brevete**

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1. **Lista cărților**
2. 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.
3. **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).
4. **Lista capitolelor de cărți**
5. Urdea, P., Ardelean, F., Ardelean, M., **Onaca, A.**, Berzescu, O., 2023, Chapter 19, Glacial landscape evolution during the Holocene in the Romanian Carpathians, in European Glacial Landscapes.The Holocene, Editor D. Palacios et al., Elsevier.
6. 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, Elsevier.
7. 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, Elsevier
8. 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, Elsevier
9. 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, Elsevier
10. 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, Elsevier.
11. 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, Elsevier.
12. 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.
13. **Onaca, A.**, Urdea, P., Ardelean, A.C., Șerban, R., Ardelean, F., 2017. *3.4. Present-day periglacial processes in the alpine zone.* In: Landform dynamics and evolution in Romania, Eds. Rădoane, M., Vespremeanu-Stroe, A., 147-176, *Springer* *Verlag.*
14. 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.*
15. 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 lʹHomme, Clermont-Ferrand, 89-102
16. 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;
17. 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;
18. 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;
19. Blanka, V., Mezösi, G., Sipos, G., van Leeuwen, B., Urdea, P., **Onaca, A.**, 2012, Climatic perspectives, , în: G. Sipos (ed.), *Past,* *Present, Future of the Maros/Mureș River,* Editura Universității de Vest din Timișoara.
20. Urdea, P.**,** **Onaca, A.,** Ardelean F., Ardelean, M., 2011, New Evidence on the Quaternary Glaciation on the Romanian Carpathians (Chapter 24) in *Developments in Quaternary Science*, vol. 15 (Quaternary Glaciations - Extent and Chronology), ed.: J. Ehlers, P.L. Gibbard, P.D. Hughes, **Elsevier**, 305-323, [doi:10.1016/B978-0-444-53447-7.00024-6](http://books.google.ro/books?hl=en&lr=&id=Jv4uA1lHezEC&oi=fnd&pg=PA305&dq=DOI:%2B10.1016/B978-0-444-53447-7.00024-6&ots=vq8meUteHy&sig=HlyrOW_VzBm9bVxO6XfqF5mXg1M&redir_esc=y#v=onepage&q=DOI%3A%2010.1016/B978-0-444-53447-7.00024-6&f=false)
21. **Lista articolelor/studiilor în extenso, publicate în reviste din fluxul științific internațional principal**
	1. Chiroiu, P., **Onaca, A.,** Favillier, A., Voiculescu, M., Corona, C., Urdea, P., Stoffel, M., 2023. Snow avalanche synchronicity derived from a multi-path tree-ring reconstruction in the Făgăraș Mountains (Southern Carpathians, Romania), *Quaternary Geochronology*, 79, 101474.
	2. Sheishah, D., Sipos, G., Barta, K., Abdelsamei, E., Hegyi, A., **Onaca, A.,** Abbas, A.M. 2023. Comparative evaluation of the material of the artificial levees: a case study along the Tisza and Maros rivers, Hungary. *Journal of Environmental Geography*, 16, 1-10.
	3. Hegyi, A., Lăzărescu, V., Pisz, M., Lenkey, L., Pethe, M., **Onaca, A.,** Nica, M. 2023. Geophysical investigations within the Latus Dextrum of Porolissum Fort, northwestern Romania – the layout of a Roman Edifice. *Heritage*, 6, 829-848.
	4. 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.
	5. 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.
	6. 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.
	7. 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>
	8. **Onaca, A.,** Gachev, E., Ardelean, F., Ardelean, F., Ardelean, A., Perșoiu, 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>
	9. 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
	10. Hegyi, A., Diaconescu, D., Urdea, P., Sarris, A., Pisz, M., **Onaca, A.,** 2021. Using Geophysics to Characterize a Prehistoric Burial Mound in Romania. *Remote Sensing*, 13, 842. <https://doi.org/10.3390/rs13050842>
	11. Perșoiu, A., Buzjak, N., **Onaca, A.,** Pennos, C., Sotiriadis, Y., Ionita, M., Zachariadis, S., Styllas, M., Kosutnik, J., Hegyi, A., Butorac, V. 2021. Record summer rains in 2019 led to massive loss of surface and cave ice in SE Europe. *The Cryosphere*, 15, 2383-2399.
	12. 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
	13. Hegyi A, Sarris A, Curta F, Floca C, Forțiu S, Urdea P, **Onaca A,** Timofte F, Pisz M, Timuț S, Nica M, Maciulschi D, Stavilă A., 2020. Deserted Medieval Village Reconstruction Using Applied Geosciences. *Remote Sensing* 12(12):1975. <https://doi.org/10.3390/rs12121975>
	14. 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](https://www.researchgate.net/deref/http%3A//dx.doi.org/10.3390/rs12233999?_sg%5B0%5D=faA--EEtuDM-S6Q5H86EDhxZZTwDXCm4S1ynZpohgyt24HtQM7L5re8N2EPhQu6niPareR-1K-q81wZWb2Ox04Oqcw.XBVMF8N0Qr3cR6iVt7reOQSLahM8dYjcsySirPRQpWQubC0O5kng5IIdAe3FfryOuogfF2QZqN4nV6ZyYtlQNg)
	15. 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>
	16. **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
	17. 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
	18. 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>
	19. 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>
	20. 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>
	21. Necsoiu, M., **Onaca, A.,** Wigginton, S., Urdea, P., 2016. Rock glacier dynamics in Southern Carpathian Mountains from high-resolution optical and multi-temporal SAR satellite imagery, *Remote Sensing of Environment*, *177*, 21-36. [doi:10.1016/j.rse.2016.02.025](http://dx.doi.org/10.1016/j.rse.2016.02.025)
	22. **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.
	23. Chiroiu, P., Ardelean, A., **Onaca, A.,** Voiculescu, M., Ardelean, F., 2016. Assessing the antrophogenic impact on geomorphic processes using tree-rings: a case study in the Făgăraș Mountains (Romanian Carpathians). *Carpathian Journal of Earth and Environmental Sciences*, 11, 1, 27-36.
	24. Timofte, F., **Onaca, A.,** Urdea, P., Pravetz, T., 2016. The evolution of Mureș channel in the lowland section between Lipova and Nădlac (in the last 150 years), assessed by GIS analysis. *Carpathian Journal of Earth and Environmental Sciences,* 11, 2, 319-330.
	25. Popescu, M., Șerban, R.D., Urdea, P., Onaca, A., 2016. Conventional geophysical surveys for landslide investigations: two case studies from Romania. Carpathian Journal of Earth and Environmental Sciences, 11, 1, 281-292.
	26. 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>
	27. **Onaca, A.,** Ardelean, A. C.,Urdea, P.,Ardelean, F., Sîrbu, F., 2015, Detection of mountain permafrost by combining conventional geophysical methods and thermal monitoring in the Retezat Mountains, Romania, *Cold Regions Science and Technology*, 119**,** 111-123. <http://dx.doi.org/10.1016/j.coldregions.2015.08.001>
	28. 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.
	29. 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](https://www.researchgate.net/deref/http%3A//dx.doi.org/10.1515/jengeo-2015-0005)
	30. Ardelean, A.C., **Onaca, A.,** Urdea, P., Șerban, R.D., Sîrbu, F., 2015. A first estimate of permafrost distribution from BTS measurements in the Romanian Carpathians (Retezat Mountains). *Géomorphologie: Relief, Processus, Environment*, 21 (4), 297-312. DOI: 10.4000/geomorphologie.11131
	31. Şerban, R.D., **Onaca, A.,** Urdea, P.,Popescu, M.,2015, Multivariate prediction model for block streams occurence in Retezat Mountains (Southern Carpathians), *Carpathian Journal of Earth and Environmental Sciences*, 10, 1, 113-122
	32. 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>
	33. **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
	34. 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
	35. **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.
	36. Katona, O., Sipos, G., **Onaca, A.,** Ardelean F., 2012, Reconstruction of palaeo-hydrology and fluvial architecture at the Orosháza palaeo-channel of river Maros, Hungary, *Journal of Environmental Geography,* 5 (1–2): 29–38.
	37. 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](http://dx.doi.org/10.1127/0372-8854/2011/0054).
22. **Lista publicațiilor în extenso, apărute în lucrări ale principalelor conferințe internaționale de specialitate**
	1. **Onaca, A.,** Ardelean, F., Urdea, P., Magori, B., 2017. Southern Carpathian rock glaciers: inventory, distribution and environmental controlling factors, *Geomorphology. 293, 391-404.* doi.org/10.1016/j.geomorph.2016.03.03.
	2. Mreyen A-S., Micu, M., **Onaca, A.,** Cerfontaine, P., Havenith, H-B., 2017, Integrated geological-geopysical models of unstable slopes in seismic areas, In: *The 4th World Landslide Forum*, Ed. M. Mikos, Springer Nature. 269-278. DOI 10.1007/978-3-319-53498-5\_31
	3. Voiculescu, M., **Onaca, A.,** Chiroiu, P., 2016. Dendrogeomorphic reconstruction of past snow avalanche events and identification of triggering weather conditions in the Bâlea glacial valley – Făgăraș massif (Southern Carpathians), Romanian Carpathians. *Quaternary International,*415, 286-302*.* [doi:10.1016/j.quaint.2015.11.115](http://dx.doi.org/10.1016/j.quaint.2015.11.115)
	4. Necșoiu, M., Mîndrescu, M., **Onaca, A.,** Wigginton, S., 2016. Recent morphodynamics of alpine lakes in Southern Carpathians Mountains using high-resolution optical imagery. *Quaternary International,* 415, 164-174.[doi:10.1016/j.quaint.2015.12.032](http://dx.doi.org/10.1016/j.quaint.2015.12.032)
	5. Urdea, P., **Onaca, A.,** Ardelean, F., Ardelean, M., Török-Oance, M., 2012. Aspects of thermal regime on the periglacial belt of Southern Carpathians (Romania). Extended Abstracts of the Tenth International Conference on Permafrost, Salekhard, June 25-29, 2012.
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