

Lista lucrărilor publicate

- 2023 **A. C. Ardelean**, A. Sărășan, A. Bălărie, K. Akmatov, K. Tabaldiev, R. Wehrheim, *Above Ground and Underground – an integrated approach of the burial mounds within the Suusamyр Plateau, Kyrgyzstan*, *Archaeological Research in Asia*, Volume 35, September 2023;
- 2022 Victor Sava, Ioan Cristian Cireap, Daniel Preda, Raluca R. Rusu, Alex Ciobotă, **Adrian Cristian Ardelean**, Adriana Sărășan, Maria Tămășan, *Archaeological excavations carried out in the vicinity of the 19th-century iron ore reduction kiln/ furnace at Zimbru, Arad County*, *Ziridava Studia Archaeologica*, vol. 36, 2022;
- Kunbolot Akmatov, Kubatbek Tabaldiev, Andrei Bălărie, Adriana Sărășan and **Adrian C. Ardelean**, *A Group of Large Kurgans in the Suusamyр Valley, Kyrgyzstan*, *Archaeology, Ethnology and Anthropology of Eurasia*, p 91–98, vol. 50/1, 2022;
- 2021 Andrei Georgescu, **Adrian C. Ardelean**, Adriana Sărășan, Dan L. Ciobotaru, Ionela Rădac, Ștefan Popa, Victor Bunoiu, Irenka Văsăliuț, *Crivina-Leopoldsberg - a newly discovered iron age hilltop settlement from southwestern Romania*, *Ephemeris Napocensis*, XXXI 2021;
- Andrei Georgescu, **Adrian C. Ardelean**, Adriana Sărășan, *Preliminary Data Concerning the Late Bronze Age-Early Iron Age Settlement from Ghiroda-Obiectiv 4 (Timiș County, Romania)*, *Patrimonium Banaticum* 9, 2021;
- Andrei Georgescu, Dragoș Diaconescu, **Adrian-Cristian Ardelean**, Adriana Sărășan, Dan L. Ciobotaru, Iulian Leonti, Victor Bunoiu, Ionela Slejiuc, *Crivina, jud. Timiș. Punct: Leopoldsberg*, *Cronica Cercetărilor Arheologice din România*, Campania 2020, 2021, ISSN 2343 – 919X, 83-84;
- 2020 Adriana Sărășan, **Adrian C. Ardelean**, Andrei Bălărie, Ruben Wehrheim, Kubatbek Tabaldiev, Kunbolot Akmatov, *Mapping burial mounds based on UAV-derived data in the Suusamyр Plateau, Kyrgyzstan*, *Journal of Archaeological Science*, November, 2020;
- Maren Gumnior, Christoph Herbig, Rüdiger Krause, Petru Urdea, **Adrian C. Ardelean**, Andrei Bălărie, Astrid Stobbe, *Palaeoecological evidence from buried topsoils and colluvial layers at the Bronze Age fortification Cornești-Iarcuri, SW Romania: results from palynological, sedimentological, chronostratigraphical and plant macrofossil analyses*, *Vegetation History and Archaeobotany*, March, 2020;
- Onaca A., Ardelean F., **Ardelean A. C.**, Magori B., Șirbu F., Voiculescu M., Gachev E., *Assessment of permafrost conditions in the highest mountains of the Balkan Peninsula*, *Catena*, November, 2020;
- Laurențiu Artugyan, **Adrian C Ardelean**, Petru Urdea, *GPR and ERT Investigations of Karst Structures at the Buhui-Cuptoare Cave System, Anina Karst Region (Banat Mountains, Romania)*, *Advances in Modeling and Interpretation in Near Surface Geophysics*, p. 19 – 38, Springer, 2020;

- 2019 Sărășan, A, Edina J., **Ardelean, A.C**, Drăguț, L., 2019, *Sensitivity of geomorphons to mapping specific landforms from a digital elevation model: A case study of drumlins, Area, 2019*;
- 2018 Hegyi, A., Urdea P, Floca C., **Ardelean, A.C**, Onaca A., *Mapping the subsurface structures of a lost medieval village in South-Western Romania by combining conventional geophysical methods*, Archaeological Prospections, June, 2018;
- A. C. Ardelean**, Andrei Bălărie și Alexandru Szentmiklosi, *Investigații magnetometrice realizate pe suprafața localității Cornești, campanie 2017*, Muzeul Banatului Montan Reșița, vol. 28, Banatica 2018;
- 2017 **Ardelean, A.C**, 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, 1756;
- 2016 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;
- Chiroiu, **Ardelean, A. C.**, A. Onaca, M. Voiculescu, F. Ardelean, *Assesing the Athropogenic Impact on Geomorphic Processes using Tree-Rings: A Case Study in the Făgăraș Moundaint (Romanian Carpathians)*, Carpathian Journal of Earth and Environmental Sciences, Vol. 11, No. 1, 2016, p. 27 – 36;
- 2015 Sărășan, A., **Ardelean, A.C.**, 2015. *Landscape metrics as a tool for landform pattern delineation: A case study on dune fields*, Forum Geografic, XIV (2), 117-123;
- A. Onaca, **Ardelean, A. C.**, P. Urdea, F. Ardelean, F. Sîrbu, *Detection of mountain permafrost by combining conventional geophysical methods and thermal monitoring in the Retezat Mountains, Romania*, Cold Regions Science and Technology, November 2015, p. 111 – 123;
- Ardelean, A. C.**, A. L. Onaca, P. Urdea, R. D. Șerban, F. Sîrbu, *A first estimate of permafrost distribution from BTS measurements in the Romanian Carpathians (Retezat Mountains)*, Géomorphologie : relief, processus, environnement, vol. 21, nr. 4, 2015;
- 2013 A. Onaca, , P. Urdea, **A. C. Ardelean**, *Internal structure and permafrost characteristics of the rock glaciers of Făgăraș Mountains (Romania) assessed by geoelectrical soundings and thermal monitoring*, Geografiska Annaler, Series A, Physical Geography, september 2013,vol 95, No. 3;
- A. Onaca, P. Urdea, **A. C. Ardelean** & R. Șerban, *Assesment of internal structure of periglacial landforms from Southern Carpathians (Romania) using DC resistivity tomography*, Carpathian Journal of Earth and Environmental Sciences, May 2013, Vol. 8, No. 2, p. 113 - 122;
- A.C, Ardelean**, Șerban, R., Sărășan, A., 2013. *Assessing changes between DEM-s, generated with different interpolation methods, by visual and statistical analysis*, Analele Universității de Vest din Timișoara, Seria GEOGRAFIE, 22 - 32;
- P. Chiroiu, **A. C. Ardelean**, *Using dendrochronology to reconstruct the precipitation trend in the Mehedinți Mountains/Cerna Valley for the last 150 years*, Analele Universității de Vest din Timișoara, Seria GEOGRAFIE, 33 – 41, 2013;

CĂRȚI ȘI CONTRIBUȚII ÎN CĂRȚI

- 2019 **Adrian C. Ardelean**, *Cuantificarea Bugetului de sedimente și determinarea ratelor de denudație în Valea Doamnei, Munții Făgărașului*, Editura Universității de Vest, 2019;
- 2016 Onaca, P. Urdea, **A.C. Ardelean**, R.D. Șerban, F. Ardelean., *Present-day periglacial processes in the alpine zone, Landform dynamics and evolution in Romania*, Eds: Rădoane M, Vespremeanu-Stroe A., Springer, 2016;
- 2013 **A. C. Ardelean**, F. Ardelean, M. Ardelean, B. Viktoria, K. Orsolya, K. Timea, K. Ferenc, B. van Leeuwen, M. Gabor, A. Onaca, P. Tamas, R. Janos, R. Attila, S. Gyorgy, S. Borbala, F. Timofte, T. Zalan, T. Orsolya, P. Urdea, 2012, *Trecutul, prezentul, viitorul râului Mureș/ A Maros folyó múltja, jelene, jövője/ Past, Present, Future of the Maros/Mureș River*, Publicată de Szegedi Tudományegyetem, Természeti Foldrajzi es Geoinformatikai Tanszek Universitatea de Vest din Timișoara, Departamentul de Geografie, Editura Universității de Vest din Timișoara, 212 p, 2013.
-

CONFERINȚE

- 2023 Alexandru Onaca, Răzvan Popescu, Christin Hilbich, Bernd Etzelmüller, Petru Urdea, Alfred Vespremeanu-Stroe, **Adrian-Cristian Ardelean**, Flavius Sîrbu, Mirela Vasile, Florina Ardelean, Simon Filhol, Trond Eiken and Patrick Chiroiu, *New insights into mountain permafrost occurrence and characteristics in the Southern Carpathians through geophysical surveying, temperature and surface velocity measurements*, European Conference on Permafrost, 18-22 June, 2023, Puigcerdà, Spain;
- Michael Styllas, Alexandru Onaca, Florina Ardelean, **A.C. Ardelean**, Aurel Perșoiu and Christos Pennos, *The last bits of glacial ice and permafrost as remains of the late Holocene Mediterranean glaciations. New discoveries from Mount Olympus periglacial zone*, EGU, 23-28 April, 2023, Vienna, Austria;
- Andrei Georgescu, Dragoș Diaconescu, Adriana Sărășan, **A.C. Ardelean**, *40 years later... our settlement has "grown". Recent excavations and geophysical surveys in the neolithic tell-like settlement from Chișoda, southwestern Romania*, Scales of Social, Environmental and Cultural Change in Past Societies, Kiel, Germany, 13 – 17 March, 2023;
- 2022 Andrei Georgescu, **Adrian C. Ardelean**, Adriana Sărășan, *A tale of four sites. Reconstructing the early and middle La Tène habitat in the lowlands of south-western Romania*, The Archaeology of Communities and Landscapes in the Carpathian Basin. Interdisciplinary Perspectives. (the end of the Early Iron Age- beginning of the Roman provincial period), Alba Iulia, 20-22 Octombrie 2022.
- Adrian C. Ardelean**, Adriana Sărășan, Andrei BĂLĂRIE, K. Tabaldiev, K. Akmatov – *Above Ground and Underground - A Combined Perspective of the Archaeological Features from the Suusamy Plateau, Kyrgyzstan*, 7th International Landscape Archaeology Conference, 10-15 September 2022, Iași - Suceava, Romania.
- Călin Timoc, Andrei Georgescu, Andrei Bălărie, **Adrian C. Ardelean**, Adriana Sărășan, Dan Ciobotaru, *Archaeological rescue excavations from Temeswar-Freidorf, Point Hladik, years 2017-2020*, The Sarmatians and the Others: Nomadic and

Sedentary Cultures in Central and the Eastern Europe in the First Half of the 1st Millennium AD, Timișoara, 29th June – 2nd July 2022;

A. Onaca, F. Sîrbu, C. Hilbich, V. Poncoș, R. Popescu, T. Strozzi, P. Urdea, B. Etzelmüller, A. Vespremeanu-Stroe, **A.C. Ardelean**, O. Berzescu, M. Vasile, D. Teleagă, D. Birtaş, I.O. Lopătiță, *The distinctive behavior of rock glaciers in marginal periglacial environment of Southern Carpathians*, the XXXVII-th National Symposium on Geomorphology, Geomorphology under modern challenges: uncertainties and perspectives, Sinaia, 15-19 June, 2022;

Andrei Bălărie, Ioan Bejinariu, **Adrian C. Ardelean**, Adriana Sărășan, *Cornești-Iarcuri. O abordare interdisciplinară prin prisma analizei datelor LiDAR*, Workshop - Cercetarea interdisciplinară a patrimoniului cultural mobil și imobil, Valea Alunului, jud. Hunedoara, 06-08 May, 2022;

Adriana Sărășan, **Adrian C. Ardelean**, Andrei Bălărie, *Abordarea metodologică interdisciplinară a câmpurilor funerare scitice de pe platoul Suusamâr (Kârgâzstan)*, Workshop - Cercetarea interdisciplinară a patrimoniului cultural mobil și imobil, Valea Alunului, jud. Hunedoara, 06-08 May, 2022;

2019

A.C. Ardelean, A. Sărășan, A. Bălărie, R. Wehrheim, K. Tabaldiev, K. Akmatov, Mapping archaeological features from UAV-derived elevation data: an object-oriented approach for delimiting burial-mounds in Kyrgyzstan, *Archäologie in Zentralasien und im Südkaukasus - Archaeology in Central Asia and the South Caucasus*, 4 – 5 Iunie, 2019, Berlin;

Onaca, A., **Ardelean, A. C.**, Magori, B., Voiculescu, M., Ardelean, F., Gachev, E., Sîrbu, F., *Permafrost investigations in the Rila and Pirin Mountains, Bulgaria*, EGU, 7-12 April, 2019, Viena;

Onaca A., Ardelean A.C., Ardelean F., Gachev E., Magori B. Sîrbu F., *Ice thickness and internal structure of two small glaciers in the Pirin Mountains (Bulgaria) assessed by geophysical investigations*, INQUA, Ireland, 25 – 31 June, 2019, Dublin;

A. Bălărie, **A. C. Ardelean**, A. Sărășan, *Cartarea structurilor arheologice pe baza modelului de elevație obținut prin UAV: O analiză orientată-obiect în vederea delimitării movilelor funerare din Kârgâzstan (Platoul Suusamyr)*, Repere Arheologice Bănățene ediția a XXXV-a, 5-8 Iunie 2019, Coronini;

2018

A. Flutur, **A. C. Ardelean**, *"Limes Sarmatiae" – Ancient maps, new interpretations*, 24-th international limes congress Serbia, 2 – 9 September, 2018;

P. Chiroiu, **A. C. Ardelean**, A. Bălărie, A. Szentmiklosi, *Investigații dendroarheologice în Cetatea Timișoarei*, simpozionul „Repere arheologice din Banat. In memoriam Florin Medelet”, ediția XXXIV-a, 6 - 9 iunie 2018, Coronini;

A. Bălărie, **A. C. Ardelean**, A. Sărășan, *Inventarierea kurganelor și a prezenței permafrostului în Asia centrală. Studiu de caz: Platoul Suusamyr, Kârgâzstan – rezultate preliminare*, simpozionul „Repere arheologice din Banat. In memoriam Florin Medelet”, ediția XXXIV-a, 6 - 9 iunie 2018, Coronini;

A. Bălărie, A. Szentmiklosi, E. Meister, **A. C. Ardelean**, *Cercetări arheologice desfășurate în situl Cornești – Cornet, campania 2018*, simpozionul „Repere arheologice din Banat. In memoriam Florin Medeleț”, ediția XXXIV-a, 6 - 9 iunie 2018, Coronini;

C. Timoc, **A. C. Ardelean**, *Cercetări arheologice în castrul de la Pojejena*, simpozionul „Repere arheologice din Banat. In memoriam Florin Medeleț”, ediția XXXIV-a, 6 - 9 iunie 2018, Coronini;

A. Georgescu, A. Flutur, E. Meister, **A. C. Ardelean**, A. Stan – David, *Cercetări arheologice preventive în situl de la Moșmița Veche – Dealul Sălaș*, simpozionul „Repere arheologice din Banat. In memoriam Florin Medeleț”, ediția XXXIV-a, 6 - 9 iunie 2018, Coronini;

2017

A. C. Ardelean, A. Onaca, P. Urdea and F. Ardelean, *Monitoring rockwall retreat and rockfall supply within the Căldarea Pietroasă hanging valley (Făgăraș Mountains)*, the 11 – th workshop Sedibud (Sediment Budget in Cold Environment) Working Group "Relationships between climate change, vegetation cover and sediment fluxes in high latitude/high altitude cold environments", 5 – 8 September 2017;

P. Urdea, A. Hegyi, **A. C. Ardelean** and C. Floca, *Considerații geoarheologice asupra sitului medieval „Șanțul Turcilor” (Mașloc, jud. Timiș)*, Romanian Geomorphology Symposium, 33rd edition, Iași, 11-14 May 2017;

C. Timoc, A. C. Hamat, **A. C. Ardelean** – *Prospecțiunile arheologice de la Pojejena. Castrul și așezarea civilă*, cea de-a 51-a ediție a Sesiunii Naționale de Rapoarte Arheologice, București, 24–27 mai, 2017;

C. Timoc, **A. C. Ardelean**, *Rezultatele ultimelor prospecțiuni arheologice de la Pojejena*, simpozionul „Repere arheologice din Banat. In memoriam Florin Medeleț”, ediția XXXIII-a, 4-6 mai 2017;

A. Georgescu, **A. C. Ardelean**, *Considerații preliminare asupra unei așezări La Tene de la Timișoara-Freidorf*, simpozionul „Repere arheologice din Banat. In memoriam Florin Medeleț”, ediția XXXIII-a, 4-6 mai 2017;

P. Urdea, A. Hegyi, **A.C. Ardelean** and C. Floca, *Considerații geoarheologice asupra sitului medieval „Șanțul Turcilor” (Mașloc, jud. Timiș)*, Romanian Geomorphology Symposium, 33rd edition, Iași, 11-14 May 2017;

C. Timoc, A. C. Hamat, **A.C. Ardelean** – *Prospecțiunile arheologice de la Pojejena. Castrul și așezarea civilă*, cea de-a 51-a ediție a Sesiunii Naționale de Rapoarte Arheologice, București, 24–27 mai, 2017;

2016

P. Urdea, A. Onaca, **A.C. Ardelean**, R.D. David, *Earth hummocks from Southern Carpathians: morphometry, characteristics of internal structure and thermal behaviour*, the XI – th International Conference on Permafrost, Posdam, Germany, 20 – 24 June, 2016;

A. C. Ardelean, A. Onaca, F. Ardelean, A. Sărășan, *Assessing the types of layering within the alpine talus slopes of the Făgăraș Mountains (Romania) using GPR measurements*, the 10 th I.A.G./A.I.G. working group SEDIBUD (Sediment Budgets in

Cold Environments) Workshop *MONITORING of geomorphological processes in cold environments under change*, Bansko, Bulgaria, 7-10 September 2016;

2015

A. C. Ardelean, A.L. Onaca, P. Urdea, Sediment storage quantification and postglacial evolution of a small alpine catchment (Doamnei Valley, Făgăraș Mountains, Romania), *The Fifth EUGEO Congress on the Geography of Europe*, Budapest, 30 August - 2 September 2015;

P.Chiroiu, **A. C. Ardelean**, M. Lupșan, A.L. Onaca, P. Urdea, M. Voiculescu, Tree-ring based reconstruction of major snow avalanches in the central part of the Făgăraș Mountains, Southern Carpathians, *The Fifth EUGEO Congress on the Geography of Europe*, Budapest, 30 August - 2 September 2015;

A. C. Ardelean, Laurentiu Artugyan, Petru Urdea, Testing geophysical methods in karst topography evolution, Anina Mining Area (Banat Mountains, Romania, *14th international conference Methodological challenges in geography*, West University of Timișoara, Timișoara, May15-16, 2015;

P.Urdea, A. Onaca, **A.C. Ardelean**, F. Ardelean, Aspects of applying geomorphological and geophysical methods in archeology and environmental studies, *14th international conference Methodological challenges in geography*, West University of Timișoara, Timișoara, May15-16, 2015;

L. Artugyan, A. C. Ardelean, P.Urdea, Use ground penetrating radar (GPR) to investigate karst formations from Anina area (Munții Banatului, România), *The XXXI-th National Symposium on Geomorphology*, 21-24 May 2015, Sfântu Gheorghe (Danube Delta);

2014

A. C. Ardelean , P. Urdea, A. Onaca, Quantifying sediment storage within a small alpine catchment of the Făgăraș Mountains (Doamnei Valley, 3.5 km²), *8th I.A.G./A.I.G. working group SEDIBUD (Sediment Budgets in Cold Environments) Workshop "Sediment Cascades in Cold Climate Geosystems" Zugspitze/Reintal, Bavaria/Germany*, September 1 - 4, 2014;

A. Onaca, **A. C. Ardelean**, Application of geophysical methods for detecting the internal structure of landforms, *Environmental Hazards and Sustainable Development in Mountain Regions*, Summer School, 12th edition Pătârlagele Natural Hazard Research Center, July 14 – 20, 2014;

P. Chiroiu, M. Lupșan, A. Văduva, **A. C. Ardelean**, Active slope processes on six avalanche paths in Arpaș Valley – Făgăraș Mountains. A dendrogeomorphic study, *International Conference „Academic Geography of Timișoara at the 55th Anniversary”*, West University of Timișoara, Timișoara 16 - 17 May 2014;

P. Chiroiu, P. Urdea, **A. C. Ardelean**, A. Onaca, Dendrocronology, a possible method for the detection permafrost? Study case: Detunata, Apuseni Mountains, *The XXX-th National Symposium on Geomorphology „ Relevance of Geomorphology to Society. Achievements and Prospects”*, University of Bucharest, Orșova 29 - 31 May 2014;

A. Onaca, **A. C. Ardelean**, P. Urdea, F. Ardelean, „Investigations regarding the internal structure of rock glaciers and alpine talus slopes from Southern Carpathians assessed by Ground-Penetrating Radar (GPR)”, *EUCOP4 4th Europea Conference on Permafros, Portugalia, Evora* 18 – 21 June, 2014;

2013

P. Urdea, A. Onaca, **A. C. Ardelean**, R. Şerban, F. Sârbu, Permafrost existence in rock glaciers of the Southern Carpathians (Romania), *the 8 -th IAG International Conference on Geomorphology*, Paris 27 -31 August 2013;

A. Onaca, R. Şerban, **A. C. Ardelean**, F. Sârbu, Geomorphologic aspects of rock streams in the Southern Carpathians, *The International Symposium Geography in the context of sustainable development, Simpozionul Internațional Geografia în Contextul Dezvoltării Durabile*, West University of Timișoara, Timișoara 17-18 May 2013;

A. Onaca, P. Urdea, **A. C. Ardelean**, R. Şerban, F. Sârbu, New data on the distribution and characteristics of Rock Glacier related permafrost in the Southern Carpathians, *The XXIX-th National Symposium on Geomorphology*, University Ştefan cel Mare Suceava, Suceava 31 May- 1 June 2013;

2012

A. C. Ardelean, A. Onaca, F. Sârbu, B. Magori, R. Serban, Permafrost distribution model based on statistical analysis of BTS data in the central part of Retezat and Parâng Mountains, *the XXVIII-th National Symposium on Geomorphology*, West University of Timișoara, Baru 14-17 June 2012;

P. Chiroiu, **A. C. Ardelean**, A dendrocronological approach of active slope processes during the recent years on a debris cone in Bâlea Valey-Făgăraş Mountains, *the XXVIII-th National Symposium on Geomorphology*, West University of Timișoara, Baru 14-17 June 2012.