



Curriculum vitae
Europass



Personal information

Name **Florina Minodora Ardelean**
 E-mail florina.ardelean@e-uvt.ro

Work experience

Interval	October 2015 - present
Job position	Lecturer
Activities and responsibilities	<ul style="list-style-type: none"> ▪ Courses and practical lab sessions for the Spatial data acquisition methods, Fundamentals of Remote Sensing, Methods and models for analysing remote sensing data, Fundamentals of Physical Geography ▪ research activities as a member of international and national research projects
Name and address of the institution	West University of Timișoara Vasile Pirvan, No. 4, 300223, Timișoara Education and Research
Type of activity	
Interval	2007 - 2015
Job position	Teaching assistant
Activities and responsibilities	<ul style="list-style-type: none"> ▪ practical lab sessions for the Fundamentals of GIS and Remote Sensing, Fundamentals of Physical Geography ▪ research activities as a member of international and national research projects, maintenance of the website for the Geography Department ▪ web-site maintenance
Name and address of the institution	West University of Timișoara Vasile Pirvan, No. 4, 300223, Timișoara
Type of activity	Education and Research

Education	
Interval	2009 – 2013
Qualifications / diploma	PhD in geography / mark excellent
Thematic / professional competence	Geomorphology, GIS, Remote Sensing / Competence in spatial analysis, DEM analysis and modelling, OBIA, semi-automated classification of landforms, quantitative analysis
Name of the institution that provided the qualification /diploma	West University of Timișoara Chemistry, Biology, Geography / Department of Geography
Interval	2005 – 2007
Qualifications / diploma	Master studies in Territorial planning and sustainable development
Thematic / professional competence	Spatial analysis and modelling, hazard and risk evaluation and modelling, remote sensing data acquisition and analysis, processing and analysis of satellite images
Name of the institution that provided the qualification	West University of Timișoara Chemistry, Biology, Geography / Department of Geography
Interval	2001 – 2005
Qualifications / diploma	Bachelor diploma in geography
Name of the institution that provided education	West University of Timișoara Chemistry, Biology, Geography / Department of Geography
Training	
	<ul style="list-style-type: none"> ▪ Training courses on applied remote sensing by NASA ARSET and courses on remote sensing by ESA, 2017-2023 ▪ Postdoc scholarship in the frame of the project POSDRU/159/1.5/S/133391, “<i>Doctoral and Post-doctoral programs of excellence for highly qualified human resources training for research in the field of Life sciences, Environment and Earth Science</i>”, 2014-2015 ▪ CEEPUS scholarship in GIS and Remote Sensing at the University of Zagreb, Faculty of Geodesy, May 2010 ▪ CEEPUS scholarship in GIS and Remote Sensing at the University of Salzburg, Faculty of Geodesy, May-June 2009 ▪ Summer school “<i>Bridging GIS, Landscape Ecology and Remote Sensing for Landscape Planning</i>”, Salzburg University, University of Salzburg, Austria, July 2009 ▪ RADAR remote sensing course, ESA, ROSA, DLR, Bucharest, October 2009 ▪ ESRI Virtual Campus courses related to spatial analysis, geoprocessing, modelling (2007-2023) ▪ CEEPUS scholarship in GIS and Remote Sensing, Mendel University of Agriculture and Forestry, Brno, Czech Republic, 2005-2006

Research statistics

26 publications
H-index 9 on WOS

Personal skills

Mother tongue

Romanian

Other languages

UNDERSTANDING

SPEAKING

WRITING

Listening

Reading

Spoken interaction

Spoken production

English

C1

C1

C1

C1

C1

German

A2

A2

A2

A2

A2

Spanish

A2

A2

A2

A2

A2

Levels: A1/2: Basic user - B1/2: Independent user - C1/2 Proficient user
Common European Framework of Reference for Languages

Organization, managerial and communication skills

- national workshops coordination in the field of GIS
- good communication skills gained as an expert in national and international research projects and as a lecturer working with bachelor and master students

Digital competence

- good competence in spatial analysis and modelling, satellite image processing
- software operational skills (ArcGIS, Idrisi, QGIS, SAGA, SNAP, eCognition)
- skills in computer graphic (Adobe PhotoShop, CorelDraw)

Hobbies

trekking, books, photography, biking

Driving license

category B (since 2009)

Annex

List of scientific contributions

ANNEX – list of scientific contributions

ISI articles

- 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
- Onaca, A., Gachev, E., Ardelean, A., **Ardelean, F.**; Perșoiu, A., Hegyi, A., Small is strong: Post-LIA resilience of Europe's Southernmost glaciers assessed by geophysical methods, 2022, *Catena*, 213, 106143, <https://doi.org/10.1016/j.catena.2022.106143>
- **Ardelean, F.**, Onaca, A., Chețan, M.-A.; Dornik, A., Georgievski, G., Hagemann, S., Timofte, F., Berzescu, O. Assessment of Spatio-Temporal Landscape Changes from VHR Images in Three Different Permafrost Areas in the Western Russian Arctic. *Remote Sens.* 2020, 12, 3999. <https://doi.org/10.3390/rs12233999>
- Chețan, M.-A.; Dornik, A.; **Ardelean, F.**; Georgievski, G.; Hagemann, S.; Romanovsky, V.E.; Onaca, A.; Drozdov, D.S. 35 Years of Vegetation and Lake Dynamics in the Pechora Catchment, Russian European Arctic. *Remote Sens.* **2020**, 12, 1863. <https://doi.org/10.3390/rs12111863>
- 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, <https://doi.org/10.1016/j.catena.2019.104288>.
- 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
- Onaca, A., **Ardelean, F.**, Urdea, P., Magori, B., 2017, Southern Carpathian rock glaciers: Inventory, distribution and environmental controlling factors. *Geomorphology*, 293B, 391-404, doi.org/10.1016/j.geomorph.2016.03.032
- Voiculescu, M., **Ardelean, F.**, Török-Oance, M., Milian, N., 2016, Topographical factors, meteorological variables and human factors in the control of the main snow avalanche events in the Făgăraș Massif (Southern Carpathians - Romanian Carpathians): Case studies, *Geographia Polonica*, 89:1, 47-64, <http://dx.doi.org/10.7163/GPol.0045>
- 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 doi:10.1016/j.coldregions.2015.08.001.
- 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, P., Ardelean, A., Onaca, A., Voiculescu, M., **Ardelean, F.**, 2016, Assessing the anthropogenic 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.
- **Ardelean, F.**, Drăguț, L., Urdea, P., Török-Oance, M., 2013, Variations in landform definition: a quantitative assessment of differences between five maps of glacial cirques in the Țarcu Mountains (Southern Carpathians, Romania), *Area* 45 (3), 348-357; doi: 10.1111/area.12043
- Török-Oance, M., **Ardelean, F.**, 2012, Object-oriented image analysis for detection of the barren karst areas. Case study: the central sector of the Mehedinți Mountains (Southern Carpathians), *Carpathian Journal of Earth and Environmental Sciences*, 7 (2): 249-254
- Voiculescu, M., **Ardelean, F.**, 2012, Snow avalanche disturbance of high mountain environment. Case study: the Doamnei glacial valley, Făgăraș Massif, Southern Carpathians, Romanian Carpathians, *Carpathian Journal of Earth and Environmental Sciences*, 7 (1): 95-108
- Voiculescu, M., **Ardelean, F.**, Onaca, A., Török-Oance, M., 2011, Analysis of snow avalanche potential in Bâlea glacial area - Făgăraș massif, (Southern Carpathians - Romanian Carpathians), *Zeitschrift für Geomorphologie*, Stuttgart, 55 (3): 291-316, doi:10.1127/0372-8854/2011/0054.

ISI Proceedings

- Hamar, J.B., Salberg, A. B., **Ardelean, F.**, Automated detection and mapping of avalanches in SAR images, 2016 IEEE International Geoscience and Remote Sensing Symposium (IGARSS), 689-692.
- Török-Oance, M., **Ardelean, F.**, Voiculescu, M., Urdea, P., Onaca, A. L., 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 DAAAM for 2011 & Proceedings of the 22nd International DAAAM Symposium*, Published by DAAAM International, Vienna, Austria, 0865-0866
- Onaca, A., Urdea, P., Török-Oance, M., **Ardelean, F.**, 2011, Electrical resistivity measurements in sensitive periglacial environment from Southern Carpathians (Romania), *Annals of DAAM for 2011 & Proceedings of the 22nd International DAAM Symposium*, 21, 1, Viena, 885-886
- Török-Oance, M., **Ardelean, F.**, Onaca, A. L., Voiculescu, M., Urdea, P., 2010, The Evaluation of Different Types of Digital Elevation Models for Geomorphological Applications in Mountain Areas, *Annals of DAAAM for 2010 & Proceedings of the 21st International DAAAM Symposium*, 20-23rd October 2010, Zadar, Croatia, ISSN 1726-9679, ISBN 978-3-901509-73-5, Katalinic, B. (Ed.), 1413-1414, Published by DAAAM International Vienna.

Articles in refereed journals

- Voiculescu, M., **Ardelean, F.**, Török-Oance, M., Milian, N., 2016, Topographical factors, meteorological variables and human factors in the control of the main snow avalanche events in the Făgăraș Massif (Southern Carpathians - Romanian Carpathians): Case studies, *Geographica Polonica*, 89:1, 47-64, <http://dx.doi.org/10.7163/GPol.0045>
- **Ardelean, F.**, Török-Oance, M., Voiculescu, M., 2015, Snow avalanche tracks mapping in Bâlea glacial valley (Făgăraș Mountains) using semi-automated detection methods, *Forum geografic*, XIV (2), 95-100.
- 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
- **Ardelean, F.**, Török-Oance, M., Urdea, P. and Onaca, A., 2011, Application of object-based image analysis for glacial cirques detection. Case study: the Țarcu Mountains (Southern Carpathians), *Forum geografic, S.C.G.P.M.*, 10(1): 20-26, doi:10.5775/fg.2067-4635.2011.007.i
- Voiculescu, M., Onaca, A., Milian, N., **Ardelean, F.**, Török-Oance, M., Stăncescu, M., 2010, Analysis of Snow Avalanche from Mars, 07, 2007 within the Călțun-Negoiu Area, in the Făgăraș Massif (Southern Carpathians), *Analele Universității din Oradea – Seria Geografie*, XX, 1, 22-33
- Török-Oance, M., **Ardelean, F.**, Onaca, A., 2009, The semiautomated identification of the planation surfaces on the basis of the digital terrain model. Case study: The Mehedinți Mountains (Southern Carpathians), *Forum Geografic. Studii și cercetări de geografie și protecția mediului*, 8: 5-13.

Book chapters

- Urdea, P., **Ardelean, F.**, Ardelean, M., Onaca, A., Berzescu, O., 2023. Glacial landscape evolution during the Holocene in the Romanian Carpathians, in *European Glacial Landscapes. The Holocene*, Editor D. Palacios et al., Elsevier, p. 331-352, DOI: [10.1016/B978-0-323-99712-6.00009-X](https://doi.org/10.1016/B978-0-323-99712-6.00009-X)
- 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. 411-447

- 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
- Török-Oance, M., **Ardelean, F.**, Voiculescu, M., Salberg, A.B., Milian, N., Irimescu, A., 2017, *Snow avalanche inventory and hazard assessment in Fagaras Mountains, Southern Carpathians* (chapter 7), in Stăncălie, G. (Ed.), *Remote sensing, model and in-situ data fusion for snow-pack parameters and related hazards in a climate change perspective*, Ed. Printech, Bucuresti, 147-161.
- Salberg, A.B., **Ardelean, F.**, Török-Oance, 2017, *Avalanche detection in remote sensing images* (chapter 6), in Stăncălie, G. (Ed.), *Remote sensing, model and in-situ data fusion for snow-pack parameters and related hazards in a climate change perspective*, Ed. Printech, Bucuresti, 135-146.
- Onaca A., Urdea P., Ardelean A.C., Șerban R., **Ardelean F.**, 2017, Present-Day Periglacial Processes in the Alpine Zone. In: Radoane M., Vespremeanu-Stroe A. (eds) *Landform Dynamics and Evolution in Romania*. Springer Geography. Springer, Cham. https://doi.org/10.1007/978-3-319-32589-7_7.
- Urdea, P., Onaca, A., **Ardelean F.**, Ardelean, M., 2011, New Evidence on the Quaternary Glaciation on the Romanian Carpathians (Chapter 24) în *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;
- 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 in Past, Present, Future of the Maros/Mureș River*, Editura Universității de Vest din Timișoara, 33-64 / 167-178
- Sipos, G., Právetz, T., Katona, O., **Ardelean, F.**, Timofte, F., Onaca, A., Kiss, T., Kovács, F., Tobak, Z., 2012, *The ever changing river in Past, Present, Future of the Maros/Mureș River*, Editura Universității de Vest din Timișoara, 65-106 / 179-192

International conferences

- Berzescu, O., Onaca, A., Perșoiu, A., Marin, C., Urdea, P., and **Ardelean, F.**: Spring water characteristics in the marginal permafrost region of the Southern Carpathians, EGU General Assembly 2024, Vienna, Austria, 14–19 Apr 2024, EGU24-13106, <https://doi.org/10.5194/egusphere-egu24-13106>, 2024.
- Onaca, A., Popescu, R., Hilbich, C., Eitzelmüller, B., Urdea, P., Vespremeanu-Stroe, A., Ardelean, A.C., Sîrbu, F., Vasile, M., **Ardelean, F.**, Filhol, S., Eiken, T., Chiroiu, P., 2023. New insights into permafrost occurrence and characteristics in the Southern Carpathians through geophysical surveying, temperature and surface velocity measurements, 6th European Conference on Permafrost, Puigcerda, 19-23.06.2023
- Styllas, M., Onaca, A., **Ardelean, F.**, Ardelean, A., Perșoiu, A., and Pennos, C.: The last bits of glacial ice and permafrost as remains of the late Holocene Mediterranean glaciations. New discoveries from Mount Olympus periglacial zone, EGU General Assembly 2023, Vienna, Austria, 24–28 Apr 2023, EGU23-5728, <https://doi.org/10.5194/egusphere-egu23-5728>, 2023.
- Onaca, A., **Ardelean, F.**, Sîrbu, F., and Berzescu, O., Factors influencing the ground thermal regime of rock glaciers in the marginal periglacial environments of Southern Carpathians, 2022, 10th International Conference on Geomorphology, Coimbra, Portugal, 12–16 Sep 2022, ICG2022-556, <https://doi.org/10.5194/icg2022-556>.
- Onaca, A., **Ardelean, F.**, Urdea, P., Sîrbu, F., Berzescu, O., 2021, Permafrost characteristics in the marginal periglacial environments of Southern Carpathians (Romania), Geobalkanica, 2021, Ohrid, North Macedonia, 15-16.06.2021.
- Onaca, A., **Ardelean, F.**, Berzescu, O., Urdea, P., Chiroiu, P., Ardelean., A. Lopătiță, I., 2021, Thermal characteristics of the periglacial landforms in the Southern Carpathians, 36th Romanian Symposium on Geomorphology: Geomorphology, one step further, 22-26.09.2021, Craiova, Romania
- **Ardelean, F.**, Onaca, A., Dornik, A., Chețan, M., 2020, Assessment of spatio-temporal landscape changes from VHR satellite images in three different permafrost areas from West Siberia, 22nd International Symposium on Symbolic and Numerical Algorithms for Scientific Computing – SYNASC, Timișoara, 01-04.09.2020; (<https://easychair.org/smart-program/SYNASC2020/2020-09-02.html>)

- **Ardelean, F.**, Chețan, M., Dornik, A., Onaca, A., Georgievski, G., Drozdov, D., Romanovsky, V., Hagemann, S., Nicolsky, D., and Sein, D., 2020, Recent landscape changes assessed by remotely sensed data in Pechora Region, EGU General Assembly, Online, 4–8 May 2020, EGU2020-17819, <https://doi.org/10.5194/egusphere-egu2020-17819>
- Georgievski, G., Hagemann, S., Sein, D., Drozdov, D., Gravis, A., Romanovsky, V., Nicolsky, D., Onaca, A., **Ardelean, F.**, Chețan, M., and Dornik, A., 2020, Climate extremes relevant for permafrost degradation, EGU General Assembly, Online, 4–8 May 2020, EGU2020-16115, <https://doi.org/10.5194/egusphere-egu2020-16115>
- Sirbu, F., Onaca, A., **Ardelean, F.**, Magori, B., and Urdea, P.: Present state of marginal mountain permafrost in Southeastern Europe, EGU General Assembly 2020, Online, 4–8 May 2020, EGU2020-20066, <https://doi.org/10.5194/egusphere-egu2020-20066>, 2020
- **Ardelean, F.**, Dornik, A., Chețan, M., Onaca, A., Assessment of recent vegetation changes in permafrost areas from West Siberia using Google Earth Engine, "Geographia Napocensis" Conference, 03-06.10.2019, Cluj-Napoca, Romania.
- Chețan, M., **Ardelean, F.**, Dornik, A., Onaca, A., Berzescu, O., Hegyi, A., 2019, Assessing landscape changes using Google Earth Engine in different permafrost areas from West Siberia, 21st International Symposium on Symbolic and Numerical Algorithms for Scientific Computing – SYNASC, Timișoara, 4-7.09.2019
- Georgievski, G., Hagemann, S., Sein, D., Nicolsky, D., Romanovsky, D., Onaca, A., Chetan, M., Urdea, P., Drozdov, D., Gravis, A., Study of the Development of Extreme Events over Permafrost areas - SODEEP, EGU, Viena, Austria, 7-12.04.2019; (<https://meetingorganizer.copernicus.org/EGU2019/EGU2019-15867-2.pdf>)
- Onaca, A., **Ardelean, F.**, Chețan, M., Dornik, A., Hegyi, A., Urdea, P., Quantifying recent landscape changes using multi-temporal satellite images in permafrost areas from Western Siberia, *17th International Symposium on Geodisaster Reduction*, 19-23.08.2019, Issyk Kul, Kyrgyzstan
- Onaca, A., Ardelean, A., **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 2019, Dublin, Ireland, 25-31.07.2019
- Onaca, A., Voiculescu, M., **Ardelean, F.**, Gachev, E., Urdea, P., Magori, B., Sîrbu, F., Thermal and morphological characteristics of rock glaciers in the Rila and Pirin Mountains, Carpatho-Balkan-Dinaric Conference on Geomorphology, Szeged, Hungary, 24-27.06.2019
- Onaca, A., Voiculescu, M., Magori, B., Sîrbu, F., **Ardelean, F.**, Permafrost investigations in the highest mountains of Bulgaria and Romanian Carpathians (Romania), *Geobalkanica, Sofia, Bulgaria*, 13-14.06.2019
- Török-Oance, M., Voiculescu, M., **Ardelean, F.**, Irimescu, A., Milian, N., 2019, Toward a snow avalanche inventory based on satellite images, historical data and field observations in Southern Carpathians, 35th Symposium on Geomorphology, Timișoara, 23-26.05.2019.
- Onaca, A., Voiculescu, M., **Ardelean, F.**, Urdea, P., Gachev, E., Magori, B., Hegyi, A., Sîrbu, F., Băbănaș, M., 2019, Permafrost characteristics in marginal periglacial environment of Rila and Pirin Mountains, 35th Symposium on Geomorphology, Timișoara, 23-26.05.2019.
- Onaca, A., Ardelean, A., Magori, B., Voiculescu, M., **Ardelean, F.**, Gachev, E., Sirbu, F., 2019, Permafrost investigations in the Rila and Pirin Mountains, Bulgaria, EGU, Viena, Austria, 7-12.04.2019.
- **Ardelean, F.**, Török-Oance, M., Irimescu, A., Voiculescu, M., Milian, N., 2018, Snow avalanches and related hazards, based on high-resolution satellite data in Făgăraș Mountains, Făgăraș Mountains – an inventory towards a new national park, București, 10-11.12.2018
- Sîrbu, F., Onaca, A., **Ardelean, F.**, Magori, B., Urdea, P., 2018, The evolution of ground surface temperature of rock glaciers in Retezat Mountains (Romania) in relation with air temperature and snow cover, Central European conference on geomorphology and quaternary science, University of Giessen, Germania, 23-27.09.2018
- Mocioacă, E., **Ardelean, F.**, Török-Oance, M., 2018, Mapping the black pines forest using high resolution satellite images and object-based image analysis. Case study: Domogled massif. 20th International Symposium on Symbolic and Numerical Algorithms for Scientific Computing – SYNASC, Timișoara, 20-23.09.2018
- Tomuța, R., Onaca, A., **Ardelean, F.**, 2018, Reconstruction of glaciated landscape in the Southern Carpathians using semi-automated, 20th International Symposium on Symbolic and Numerical Algorithms for Scientific Computing – SYNASC, Timișoara, 20-23.09.2018.
- Sîrbu, F., Onaca, A., **Ardelean, F.**, Magori, B., Urdea, P., 2018, Five years of monitoring rock glaciers ground surface temperature in Southern Carpathians, 2018, Are there any intact rock glaciers in the Balkan Peninsula? 5th European Conference on Permafrost EUCOP5, Chamonix, France, 22.06 – 01.07.2018

- Onaca, A., Magori, B., **Ardelean, F.**, Gachev, E., Urdea, P., Voiculescu, M., Sîrbu, F., 2018, Are there any intact rock glaciers in the Balkan Peninsula? 5th European Conference on Permafrost EUCOP5, Chamonix, Franța, 22.06 – 01.07.2018
- Sîrbu, F., **Ardelean, F.**, Onaca, A., 2018, Predicting potential permafrost distribution based on land surface variables and remote sensing data in Southern Carpathians (Romania), 15th International Circumpolar Remote Sensing Symposium, Potsdam, Germania, 10-15.09.2018
- Török-Oance, M., **Ardelean, F.**, Potential of operational Sentinel-2 images for middle and small size snow avalanches detection, *19th International Symposium on Symbolic and Numerical Algorithms for Scientific Computing – SYNASC*, Timișoara, 21-24.09.2017
- Voiculescu, M., **Ardelean, F.**, Török-Oance, M., New findings related to snow avalanches and related hazard in Southern Carpathians. Case study: Făgăraș Mts., *Romanian Geomorphology Symposium*, 33rd Edition, Iași, 11-14.05.2017
- Salberg, A.B., Hamar, J.B., **Ardelean, F.**, Török-Oance, M., Avalanche detection in very high resolution optical satellite images, *Final Workshop on Remote sensing, model and in-situ data fusion for snowpack parameters and related hazards in a climate change perspective– SnowBall*, 27-28.04.2017, Bucharest, Romania.
- Salberg, A.B., Reksten, J.H., **Ardelean, F.**, Change-detection based mapping of avalanches in Sentinel-1 images, *Final Workshop on Remote sensing, model and in-situ data fusion for snowpack parameters and related hazards in a climate change perspective– SnowBall*, 27-28.04.2017, Bucharest, Romania.
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- **Rock glacier kinematics in Carpathians**, ESA contract, 2019-2020, 2021-2022
- **Study of the development of extreme events over permafrost areas, ERANET-RUS-PLUS-SODEEP**, project coordinator Stefan Hagemann, Helmholtz-Zentrum Geesthacht, Germany, 2018-2020
- European cooperation project SEE Romania-Norway EEA-JRP-RO-NO-2013-1-0285, **Remote sensing, model and in-situ data fusion for snowpack parameters and related hazards in a climate change perspective (SnowBall)**, project coordinator: dr. Gheorghe Stancalie, National Meteorological Administration, 2014-2017
- HURO Grant, cross-border cooperation project Romania-Hungary, **Development of complex Geocronological and Geophysical laboratories for saving Archaeological heritage and solving environmental problems (EnviArch)** HURO/1101/126/2.2.1, project coordinator: dr. Sipos György, University of Szeged, 2011-2014
- HURO Grant, cross-border cooperation project Romania-Hungary, **Research of past, present and FUTure Lower MARos / Mures River in relation with climatic change and sustainable management, FUTUMAR** HURO/0901/266/2.2.2, project coordinator: dr. Sipos Gyorgy, University of Szeged, 2011-2012
- IPA grant, cross-border cooperation project Romania-Serbia, **Cross-border network for advanced training and research in environmental protection RosNet**, project coordinator: dr. Adriana Isvoran, West University of Timișoara, 2011-2012
- National Research Council project, **FuSE-DEM Fundamental surface elements on Digital Elevation Models**, project coordinator: dr. Lucian Drăguț, West University of Timișoara, 2011-2012
- CNCSIS National Research Council Grant, **Methods for digital terrain analysis and automatic classification of the relief in the mountain area based on digital terrain models and remote-sensed data**, project coordinator: dr. Marcel Török-Oance, West University of Timișoara, 2008-2011
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- CEEEX, National Research Council Grant, **The impact of climatic changes upon the Holocen and present dynamics of the alpine environment from the Romanian Carpathians. Implications in the risk management and landscape`s management**, project coordinator: dr. Petru Urdea, West University of Timișoara, 2006 – 2008