Curriculum Eur[illegible]

Informaţii personale

Nume / Prenume	Urdea Petru
Adresă(e)	
Telefon(oane)	
Fax(uri)	
E-mail(uri)	petru.urdea@e-uvt.ro
Naţionalitate(-tăţi)	Română
Data naşterii	19.06.1954
Sex	Masculin

Locul de muncă vizat / Domeniul ocupaţional

Profesor
Geografie

Experienţa profesională

2000- prezent: profesor la Catedra de Geografie a Facultăţii de Chimie- Biologie- Geografie, Universitatea de Vest din Timişoara;
- 1995- 2000 : conferenţiar;
- 1991-1994: lector
- 1990-1991 – **inspector de specialitate**, Inspectoratul Şcolar Timiş;
- 1978-1990 profesor de geografie la Liceul industrial nr. 2 , Liceul silvic şi Liceul de informatică din Timişoara;

Educaţie şi formare

- 1974-1978 – student şi absolvent, Facultatea de Biologie-Geografie-Geologie, Secţia Geografie;
- 1981-1990 doctorant al Universităţii ,,Al. I. Cuza Iaşi";
- 1990 doctor al Universităţii ,,Al. I. Cuza Iaşi".

Disciplinele principale studiate / competenţe profesionale dobândite	Competenţe în domeniul ştiinţelor geonomice, carierei didactice , metodicii geografiei; Absolvirea examenului de definitivat în învătământ în 1981.

Aptitudini şi competenţe personale

Limba(i) maternă(e)	Română
Limba(i) străină(e) cunoscută(e)	Engleză, Franceză

Competenţe şi abilităţi sociale	Aptitudini de cooperare, interrelaţionare, comunicare eficientă, empatie – perfecţionate datorită colectivului în care îmi desfăşor activitatea, datorită specificului meseriei de cadru didactic, datorită funcţiilor de conducere pe care le-am ocupat, a experienţei de membru în asociatii şi organisme profesionale naţionale şi internaţionale, dar şi a responsabilităţilor pe plan editorial (redactor şef, referent etc).
Competenţe şi aptitudini organizatorice	Exigenţă şi autoperfecţionare continuă – ca principii de viaţă; organizarea şi conducerea colectivelor profesionale, a colectivelor de studenţi, conducerea şi moderarea activităţilor de curs, lucrări practice, seminar, aplicaţii de teren. Mobilizarea individului şi a colectivelor în situaţii extreme datorită vastei experienţe de teren în regiuni montane şi polare, inclusiv în expediţii ştiinţifice internaţionale.
Competenţe şi aptitudini tehnice	Utilizarea calculatorului, a diferitelor programe P. C. (Windows Xp, Windows Vista)
Competenţe şi aptitudini de utilizare a calculatorului	Office, Internet, Programe dedicate domeniului geografic etc.
Competenţe şi aptitudini artistice	-
Alte competenţe şi aptitudini	-
Permis(e) de conducere	-categoria B

Coordonare a 15 teze de doctorat finalizate cu calificativele excelent şi foarte bine.

GRANTURI

Grant CNCSIS 63/4 (1999-2001) - Studiul proceselor morfodinamice actuale din zona alpină a Carpaţilor Meridionali, din perspectiva gestiunii durabile a zonelor montane - director.

Grant CNCSIS 256/8 (2002-2004) -Procese geomorfologice actuale din domeniul alpin al Carpaţilor Meridionali în perspectiva schimbărilor climatice globale"- director.

Grant CNCSIS 137/14 (2004) -Laborator de Sisteme Informaţionale Geografice, cartografie digitală, organizarea şi amenajarea teritoriului – director.

Grant CEEX 738/2006 - Impactul schimbărilor climatice asupra dinamicii holocene şi actuale a mediilor alpine din Carpaţii Româneşti. Implicaţii în gestiunea riscului şi amenajarea peisajului (MEDALP) – director.

Grant HURO 0901/266/2.2.2 (2011-2012) - Research of past, present and FUTUre Lower MARros/Mures River in relation with Climatic change and sustainable human management.

Grant HURO 1101/126/2.2.1 (2012-2014) - Development of complex Geochronological and Geophysical laboratories for saving Archaeological heritage and solving Environmental problems (ENVIARCH).

PUBLICAŢII (Selectiv)

CĂRŢI

Urdea, P. (2000) - *Munţii Retezat . Studiu Geomorfologic*, Edit. Academiei Române, Bucureşti, 272 p., ISBN 973-27-0767-4

Urdea, P. (2004) – *Dicţionar de nume geografice*, *Edit. Universităţii de Vest,* Timişoara, 336 p., ISBN 973-8433-61-4.

Urdea, P. (2005) - *Gheţarii şi relieful***,** Editura Universităţii de Vest, Timişoara, 380 p., ISBN 973-7608-05-4.

CONTRIBUŢII ÎN CĂRŢI EDITATE ÎN STRĂINĂTATE

R.O. van Everdingen (editor) (199) - Multi-language glossary of permafrost and related ground-ice terms, International Permafrost Association, The Arctic Institute of North America, Calgary, 311 p.

Urdea, P. (2012*), Periglacial processes*, in Lóczy, Dénes; Stankoviansky, Miloš; Kotarba, Adam (Eds.), Recent landform evolution in the Carpatho-Balkan-Dinaric region, Springer Verlag, Springer Verlag, 460 p., ISBN 10: 978-94-007-2448-8-10.

Urdea, P. (2004), The Pleistocene Glaciation of the Romanian Carpathians, in: Ehlers, J. & Gibbard, P.L. (eds): *Quaternary Glaciations: Extent and Chronology, Part I: Europe. Developments in Quaternary Science*, **2,** Elsevier, 299-306, ISBN 0-444-51462-7

Urdea, P., Onaca, A., Ardelean, M., Ardelean, M (2011), Chapter 24 (p. 305-322) - *New Evidence on the Quaternary Glaciation in the Romanian Carpathians*, în Ehlers, J., Gibbard, P.L., Hughes, P.D (editors**),** *Quaternary Glaciations – Extent and Chronology,* Elsevier, 1126 p.,ISBN 13: 978-0-444-53447-7, doi:10.1016/B978-0-444-53447-7.00024-6

Urdea, P. (2012), Periglacial processes, in Lóczy, Dénes; Stankoviansky, Miloš; Kotarba, Adam (Eds.), Recent landform evolution in the Carpatho-Balkan-Dinaric region, Springer Verlag, Springer Verlag, 460 p., ISBN 10: 978-94-007-2448-8-10.

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., Springer Verlag, 147-176

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., Springer Verlag, 117-146.

Popescu, R., **Urdea, P.,** Vespremeanu-Stroe, A. , (2017), Ch. 3.1. Deglaciation history of the Romanian Carpathians: A Review In: Landform dynamics and evolution in Romania, Eds: Rădoane, M., Vespremeanu-Stroe, A., Springer Verlag, 87-116.

Perşoiu, I., Rădoane. M., **Urdea, P.,** (2017), 6.2. River behaviour during Pleniglacial – Late Glacial, In: Landform dynamics and evolution in Romania, Eds: Rădoane, M., Vespremeanu-Stroe, A., Springer Verlag, 443-468.

ARTICOLE PUBLICATE IN REVISTE INTERNATIONALE COTATE ISI

Urdea, P. (1992), Rock glaciers and periglacial phenomena in the Southern Carpathians, *Permafrost and Periglacial Processes,* **3**, 267-273.

Urdea, P. (1995), Quelques considerations concernant des formations de pente dans les Carpathes Meridionales, *Permafrost and Periglacial Processes,* **6**, 195-206.

Reuther, **Urdea, P.,** Geiger, C., Ivy-Ochs, S., Niller, H.P., Kubik, p., Heine, K. (2007), Late Pleistocene glacial chronology of the Pietrele Valley, Retezat Mountains, Southern Carpathians, Constrained by ^{10}Be exposure ages and pedological investigations, *Quaternary International,* **164-165,** 151-159**.**

Vespremeanu-Stroe, A., **Urdea, P.,** Popescu, R., Vasile, M. (2012), Rock Glacier Activity in the Retezat Mountains, Southern Carpathians, Romania, *Permafrost and Periglacial Processes*, **23**, **2**, 127–137, doi: 10.1002/ppp.1736.

Rotar, A., Simon, L., **Urdea, P.,** Voiculescu, M., (2012), A study of institutional stakeholders' views on biodiversity in Romania,

Carpathian Journal of Earth and Environmental Sciences, **7**, **2**,

Ardelean, F., Drăguț, L., **Urdea, P**., Török-Oance, M., (2013), Variations in landform definition: a quantitative assessment of differences in mapping of glacial cirques in the Țarcu Mountains (Southern Carpathians, Romania), *Area*, 45,3, 348-357

Onaca, A., **Urdea, P**., Ardelean, A.C. (2013), Internal structure and permafrost characteristics of the glaciers of Southern Carpathians (Romania) assessed by geoelectrical soundings and thermal monitoring, Geografiska Annaler, Series A: Physical Geography**, 95, 3** , 249-266.

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

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

Ardelean, A.C., Onaca, A., **Urdea, P**.,Șerban, R.D.,Sârbu, 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.

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

Necsoiu, M., Onaca, A., Wigginton, S., **Urdea, P.** (2016), Rock glacier dynamics in Southern CarpathianMountains from high-resolution optical and multi-temporal SAR satellite imagery, *Remote Sensing of Environment*, **177**, 21–36,

Ruszkiczay-Rüdiger, Z., Kern, Z., **Urdea, P**., Braucher, R., Madarász, B., Schimmelpfennig, I. (2016) - Revised deglaciation history of the Pietrele–Stânişoara glacial complex, Retezat Mts, Southern Carpathians, Romania, *Quaternary International*, 415, 216-229

Onaca, A., Ardelean, F., **Urdea, P**., Magori, B., 2016, Southern Carpathian rock glaciers: inventory, distribution and environmental controlling factors, *Geomorphology, https://doi.org/10.1016/j.geomorph.2016.03.032.*

Dornik, A., Drăguţ, L., **Urdea, P.,** 2016, Soil type mapping using land-surface segmentation and the Random Forest classifier, *Pedosphere* (in press). .

Dornik, A., Drăguţ, L**., Urdea, P**., 2016, Knowledge-based soil type classification using terrain segmentation, *Soil Research* (in press).

Artugyan, L., **Urdea, P.** (2016), Using Digital Elevation Model (DEM) in karst terrain analysis. Study case: Anina Mining Area (Banat Mountains, Romania), *Carpathian Journal of Earth and Environmental Sciences,* **11**, **1**, 55-64

Popescu, M., Şerban, 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.

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.*

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.

Mezősi, G., Blanka, V., Ladányi, Z., Bata, T., **Urdea, P.,** Frank, A., Meyer, B.C. 2016, Expected mid-and long-term changes in drought hazard for the south-eastern Carpathian Basin, *Carpathian Journal of Earth and Environmental Sciences,* **11, 2**, 355-366.

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), *The Science of the otal environment,* **599-600,** 1756–1767.

Dornik, A., Drăguţ, L., **Urdea, P**., 2018, Classification of soil types using geographic object-based image analysis and Random Forest, *Pedosphere*, 28, 6, 913–925

Oliva, M., Žebreb, M., Guglielmin, M., Hughes, P.D., Çiner, A., Vieira, G., Bodin, X., Andrés, N., Colucci, R.R., García-Hernández, C., Mora, C.,Nofre, J., Palacios, D., Pérez-Alberti, A., Ribolini, A., Ruiz-Fernández, J., Sarıkaya, M.A., Serrano, E., **Urdea, P**., Valcárcel, M., Woodward, J.C., Yıldırım, C., 2018, Permafrost conditions in the Mediterranean region since the Last Glaciation, *Earth-Science Reviews*,185, 397–436..

Hegyi, A., **Urdea, P**., Floca, C., Ardelean, A., Onaca, A., 2018, Mapping the subsurface structures of a lost medieval village in South-Western Romania by combining conventional geophysical methods, *Archaeological Prospection*, 1–12, 25. Chetan,

M.A., Dornik, A., **Urdea, P.,** 2018, Analysis of recent changes in natural habitat types in the Apuseni Mountains (Romania), using multi-temporal Landsat satellite imagery (1986–2015), *Applied Geography*, 97, doi: 10.1016/j.apgeog.2018.06.007

Şerban, R., Onaca, A., Popescu, M., **Urdea, P.** 2019, Block stream characteristics in Southern Carpathians (Romania), *Catena*, 178, 20-31.

.

ARTICOLE PUBLICATE IN VOLUME ALE CONGRESELOR ŞI CONFERINŢELOR INTERNAŢIONALE DE TOP

Urdea, P. (1993), Permafrost and periglacial forms in the Romanian Carpathians, în *Proc. of Sixth Internt. Conf.on Permafrost,* South China University of Technology Press, vol. **I,** 631-637.

Urdea, P. (1998), Rock glaciers and permafrost reconstruction in the Southern Carpathians Mountains, Romania, *Permafrost – Seventh International Conference(June 23-27, 1998), Proceedings, Yellowjnife, Canada,* Collection Nordicana, Univ. Laval, **57**, 1063-1069.

Urdea, P. (2000), The Retezat Mountains relief and correlated deposits method ,,*Geomorphology of the Carpatho-Balcan Region"* (Proc. of the Carpatho-Balcan Conference of Geomorphology, Băile Herculane-Orşova-Drobeta Turnu Severin, 11-17. 10.1998), Edit. Corint, Bucureşti, 80-88.

Urdea, P., Ardelean, F., Onaca, Alexandru**,** 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 Intern. Conf. on Permafrost,* Institute of Northern Engineering, University of Alaska, Fairbanks, p. 323-333.

Onaca, A., **Urdea, P.,** Török-Oance, M., Ardelean, F., 2011, Electrical resistivity measurments in sensitive periglacial environment from Southern Carpathians (Romania)', Proceedings of the 22nd International DAAM Symposium, 21, 1, 885-886.

Ruszkiczay-Rüdiger, Z., Kern, Z., **Urdea, P.,** Braucher, R., Madarász, B., Shimmelpfennig, I., 2015, Late Pleistocene glacial chronology of the Retezat Mts, Southern Carpathians, using 10Be exposure, European Geophysical Union Conference 2015-5593, Geophysical Research Abstracts.

Madarász, B., Ruszkiczay-Rüdiger, Z., Kern, Z., **Urdea, P.,** 2016, Reconstructed glacier geometry and inferred Equilibrium Line Altitude changes during the Late Pleistocene deglaciation in the Retezat Mountains, Southern Carpathians, EGU General Assembly Conference Abstracts 18, 9975.

Ruszkiczay-Rüdiger, Z., Madarász, B., Kern, Z., **Urdea**, P., Braucher, R., A Team, 2017, Late Pleistocene deglaciation and paleo-Environment in the Retezat Mountains, Southern Carpathians, EGU General Assembly Conference Abstracts 19, 2755.

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. (IF 6,393)

Ruszkiczay-Rüdiger, Z., Kern, Z., Urdea, P., Braucher, R., Madarász, B., Schimmelpfennig, I. (2016) - Revised deglaciation history of the Pietrele–Stânişoara glacial complex, Retezat Mts, Southern Carpathians, Romania, Quaternary International, doi.org/10.1016/j.quaint.2015.10.085.

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.(IF-6,393).

Popescu, M., Şerban, 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 (IF 0,7),

Onaca, A., Ardelean, F., Urdea, P., Magori, B., (2017), Southern Carpathian rock glaciers: inventory, distribution and environmental controlling factors, Geomorphology, 293, 391-404. (Fi = 2.785).

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), The Science of the Total Environment, 599-600, 1756–1767.(IF-4,9).

Onaca, A., Urdea, P.,Ardelean, A.C., Șerban, R.,Ardelean, F., (2017). Cap. 7. Present-day periglacial processes in the alpine zone. In: Landform dynamics and evolution in Romania, Eds. Rădoane, M., Vespremeanu-Stroe, A., Springer Verlag, 147-176.

Popescu, R., Urdea, P., Vespremeanu-Stroe, A., 2017, Deglaciation history of high massifs from the Romanian Carpathians: towards an integrated view". In Landform Dynamics and Evolution in Romania, Edited by: Rădoane, M. and Vespremeanu-Stroe, A., Springer Geography, 87-116.

Popescu, R., Onaca, A., Urdea, P.,Vespremeanu-Stroe, A., (2017). Cap. 6. Spatial distribution and main characteristics of alpine permafrost from Southern Carpathians, In: Landform dynamics and evolution in Romania, Eds: Rădoane, M., Vespremeanu-Stroe, A., Springer Verlag, 117-146.

Perșoiu, I. A., Rădoane, M., Urdea, P. (2017). River behavior during Pleniglacial–Late Glacial. In M. Rădoane & A. Vespremeanu-Stroe (Eds.), Landform dynamics and evolution in Romania, Springer, 443–468.

Dornik, A., Drăguţ, L., Urdea, P., 2018, Classification of soil types using geographic object-based image analysis and Random Forest, Pedosphere, 28(6), 913–925,DOI: 10.1016/S1002-0160(17)60377-1.

Hegyi, A., Urdea, P., Floca, C., Ardelean, A., Onaca, A., 2018, Mapping the subsurface structures of a lost medieval village in South-Western Romania by combining conventional geophysical methods, Archaeological Prospection, DOI: 10.1002/arp.1720

Oliva, M., Žebreb, M., Guglielmin, M., Hughes, P.D., Çiner, A., Vieira, G., Bodin, X., Andrés, N., Colucci, R.R., García-Hernández, C., Mora, C.,Nofre, J., Palacios, D., Pérez-Alberti, A., Ribolini, A., Ruiz-Fernández, J., Sarıkaya, M.A., Serrano, E., Urdea, P., Valcárcel, M., Woodward, J.C., Yıldırım, C., 2018, Permafrost conditions in the Mediterranean region since the Last Glaciation, Earth-Science Reviews, 185, 397–436.