

Raport de autoevaluare pentru anul 2017

1. Date de identificare institut/centru

- 1.1. Denumire: *Institutul de Geodinamică "Sabba S.Ștefănescu" al Academiei Române*
- 1.2. Statut juridic: personalitate juridică
- 1.3. Act de înființare: HG 364/03.04.1990
- 1.4. Număr de înregistrare în Registrul Potențialilor Contractorilor: 346
- 1.5. Director general/Director: Dr.Crișan Demetrescu, membru corespondent al Academiei Române
- 1.6. Adresă: Str. Jean Louis Calderon nr.19-21, sector 2, București, cod poștal 020032
- 1.7. Telefon, fax, pagină *web*, *e-mail*: 317 21 26, 317 21 27, fax: 317 21 20, pagina *web*: www.geodin.ro, *e-mail*: inst_geodin@geodin.ro, crisan@geodin.ro

2. Domeniu de specialitate

- 2.1. Conform clasificării UNESCO: 2504, 2506, 2507, 2509, 2503, 2599
- 2.2. Conform clasificării CAEN: 7219

3. Stare institut/centru

3.1. Misiunea institutului/centrului, direcțiile de cercetare, dezvoltare, inovare. Rezultate de excelență în îndeplinirea misiunii (maximum 2000 de caractere):

Cercetări fundamentale impuse de rezolvarea Programului prioritar al Academiei Române: "**Cercetări geofizice complexe în zone geodinamic active, cu privire specială asupra zonei seismogene Vrancea**" și, în mod particular, asupra:

- studiului variațiilor spațio-temporale ale unor parametri legați cauzal de cumulara tensiunilor responsabile de producerea cutremurelor de pământ;
- studiilor de hazard natural (tectonic, seismic, alunecări de teren etc);
- monitorizării variațiilor spațio-temporale ale câmpurilor gravific, geomagnetic, electromagnetic, geoelectric și ale deformărilor crustei terestre;
- modelării structurii și evoluției termo-mecanice a litosferei;
- analizei neliniare a sistemelor geodinamice;
- studiului proceselor endogene în conexiune cu procesele geodinamice;
- studiului câmpului geomagnetic în relație cu procese fizice din heliosferă;
- studiului geofizic complex în zone devenite geodinamic active datorită activității antropice

3.2. Modul de valorificare a rezultatelor de cercetare, dezvoltare, inovare și gradul de recunoaștere a acestora (maximum 1000 de caractere)¹:

Rezultatele de cercetare, dezvoltare, inovare au fost valorificate prin:

- articole publicate în reviste de specialitate, recunoașterea conținutului științific fiind reliefată prin numeroasele citări în reviste cotate ISI
- participarea la manifestări științifice internaționale de prestigiu

- participarea la PNCDI, ce a adus Institutului fonduri folosite exclusiv pentru dezvoltarea bazei tehnico-materiale
- participarea la programe internaționale,
- instituție acreditată prin decizia ANCS nr. 9634/14.04.2008 (anexa nr.2)
- indice Hirsch (Acad.A.Săndulescu – 27, I.Seghedi – 19, A.Szakacs – 18, P.Luffi – 12, C. Demetrescu – 10, V.Dobrică – 8, D.Stănică – 8)

3.3. Situația financiară - datorii la bugetul de stat: Nu există datorii la bugetul de stat

3.4. Numărul personalului de cercetare (CS - CS I):

	2017
CS I	7
CS II	3
CS III	9
CS	12

3.5. Numărul total al personalului:

	2017
Nr. posturi aprobate	82

4. Criterii de performanță în cercetarea științifică (toate criteriile analizează numai perioada de evaluare) (40%)

Nr. crt.	Criteriu	n	Punctaj unitar	Punctaj acordat
1.	Participarea la un program fundamental sau prioritar al Academiei Române și realizarea obiectivelor sale.			
	Programul prioritar al Academiei Române " Cercetări geofizice complexe în zone geodinamic active, cu privire specială asupra zonei seismogene Vrancea ", conducător: Dorel Zugrăvescu, membru corespondent al Academiei Române	1	25	25
2.	Un tratat apărut într-o editură consacrată din străinătate ²		$25 \times (N_{ic}/N_a)$	0
3.	O carte apărută într-o editură consacrată din străinătate ²		$20 \times (N_{ic}/N_a)$	0
4.	O monografie apărută într-o editură consacrată din străinătate ²		$15 \times (N_{ic}/N_a)$	0
5.	O carte editată într-o editură consacrată din străinătate ²		$10 \times (N_{ic}/N_a)$	0
6.	Un tratat editat într-o editură consacrată din străinătate ² Lithos-Elsevier		$13 \times (N_{ic}/N_a)$	0
7.	O monografie editată într-o editură consacrată din străinătate ²		$8 \times (N_{ic}/N_a)$	0
8.	Un tratat apărut în Editura Academiei Române		$13 \times (N_{ic}/N_a)$	0
9.	O carte apărută în Editura Academiei Române		$10 \times (N_{ic}/N_a)$	0
10.	O monografie apărută în Editura Academiei Române		$8 \times (N_{ic}/N_a)$	0
11.	Un tratat editat în Editura Academiei Române		$7 \times (N_{ic}/N_a)$	0
12.	O carte editată în Editura Academiei Române		$5 \times (N_{ic}/N_a)$	0
13.	O monografie editată în Editura Academiei Române		$3 \times (N_{ic}/N_a)$	0

Nr. crt.	Criteriu	n	Punctaj unitar	Punctaj acordat
14.	Un articol publicat într-o revistă cotate de <i>Web of Science</i> (Thomson Reuters) Vezi Anexa 1	12	$(1 + FI) \times (N_{ic}/N_a)^4$	8,65
15.	O lucrare prezentată la o manifestare științifică internațională, publicată integral într-o revistă cotate de <i>Web of Science</i> (Thomson Reuters)	0	$(1 + FI) \times (N_{ic}/N_a)^4$	0
16.	O lucrare prezentată la o manifestare științifică internațională, publicată integral într-un volum editat într-o editură consacrată din străinătate, inclusiv electronic (<i>Conference Proceedings Citation Index-Science, Web of Science, Thomson Reuters</i>) ² Vezi Anexa 2	6	$2 \times (N_{ic}/N_a)$	9,74
17.	Un capitol într-un tratat, carte sau monografie editate într-o editură consacrată din străinătate ²	0	$13 \times (N_{ic}/N_a) \times (N_p/N_{tp})$	0
18.	Un capitol într-un tratat, carte sau monografie editate în Editura Academiei Române	0	$7 \times (N_{ic}/N_a) \times (N_p/N_{tp})$	0
19.	Număr de citări conform <i>Web of Science</i> (Thomson Reuters) Vezi Anexa 3	426	0,5	213
20.	Factor de impact cumulat conform <i>Web of Science</i> (Thomson Reuters) ³	-	$FI \times (N_{ic}/N_a)$	
21.	O carte apărută într-o editură consacrată din țară ⁷ Vezi Anexa 4	2	$7 \times (N_{ic}/N_a)$	10,5
22.	O carte editată într-o editură consacrată din țară ⁷	0	$3 \times (N_{ic}/N_a)$	0
23.	Un articol apărut într-o revistă recunoscută de CNCS (B+) sau indexată într-o bază internațională de date (BDI) Vezi Anexa 5	6	$1 \times (N_{ic}/N_a)$	2,08
24.	O conferință invitată/plenară/keynote prezentată la o manifestare științifică internațională	0	10	0
25.	O conferință invitată/plenară/keynote prezentată la o manifestare științifică națională	0	5	0
26.	O comunicare orală prezentată la o manifestare științifică internațională Vezi Anexa 6	19	$5 \times (N_{ic}/N_a)$	78,7
27.	O comunicare orală prezentată la o manifestare științifică națională Vezi Anexa 7	10	$2 \times (N_{ic}/N_a)$	16,82
Punctaj total criteriile de performanță în cercetarea științifică				364,59

² Se vor lua în considerare următoarele edituri străine: Academic Press, Appleton & Lange, Birkhauser, Blackwell, Cambridge University Press, CRC Press, Elsevier, Garland Publishing, Kluwer Academic Publishers, McGraw-Hill, Mosby, Nova Science Publishers, Oxford University Press, QMP, Springer Verlag, Thieme, Willey-Liss, Williams and Wilkins, World Scientific Publishing, alte edituri străine de aceeași anvergură.

³ Pentru fiecare articol se va lua în calcul factorul de impact (FI) al revistei împărțit la numărul total de autori (N_a) și înmulțit cu numărul de autori din institutul/centrul evaluat (N_{ic}). Factorul de impact este publicat anual de *Web of Knowledge, Journal Citation Report* (Thomson Reuters), iar pentru calcul se va utiliza valoarea corespunzătoare anului apariției articolului.

⁴ Pentru revistele din domeniile: Botanică, Zoologie, Ecologie, Agronomie etc., al căror FI este $\leq 2,0$ punctajul total se înmulțește cu 1,5.

⁵ Punctajul total va fi suma punctajelor unitare rezultate prin calcul.

⁶ Pentru domeniul Științe Agricole produsele sunt soiuri noi de plante, hibrizi etc., iar punctajul unitar va fi 30.

n = număr programe, tratate, cărți, monografii, lucrări, citări etc.; FI = factor de impact; N_{ic} = număr autori din institut/centru; N_a = număr total de autori; N_p = număr pagini capitol; N_{tp} = număr total de pagini volum.

⁷ Se vor lua în considerare cărțile științifice de autor ce apar în evidența Bibliotecii Naționale.

n = număr programe, tratate, cărți, monografii, lucrări, citări etc.; FI = factor de impact; N_{ic} = număr autori din institut/centru; N_a = număr total de autori; N_p = număr pagini capitol; N_{tp} = număr total de pagini volum.

5. Capacitatea de a atrage fonduri de cercetare (20%)

Nr. crt.	Criteriu	n	Punctaj unitar	Punctaj acordat	
1.	Un grant câștigat de către institut/centru de la organizații internaționale Vezi Anexa 8	5000 - 10000 EUR		2	8
		10001 - 50000 EUR		4	
		50001 - 200000 EUR		6	
		200001 - 1 000000 EUR	1	8	
		peste 1000000 EUR		10	
2.	Un grant câștigat de către institut/centru de la organisme naționale	sub 10000 RON		1	7
		10001 - 100000 RON		2	
		100001 - 500000 RON	1	3	
		peste 500000 RON	1	4	
3.	Un contract extrabugetar obținut de către institut/centru de la organizații internaționale sau naționale	sub 5000 RON		0,5	
		5001 - 10000 RON		1	
		10001 - 100000 RON		2	
		peste 100000 RON		3	
4.	O manifestare științifică (congres, conferință, simpozion) sau școală de vară internațională organizată de institut	0	10	0	
5.	O manifestare științifică (congres, conferință, simpozion) sau școală de vară națională organizată de institut	0	5		
Punctaj total atragere fonduri de cercetare				8	

6. Capacitatea de a dezvolta servicii, tehnologii, produse (10%)

Nr. crt.	Criteriu	n	Punctaj unitar	Punctaj acordat
1.	Un brevet acordat	la nivel internațional		10
		la nivel național		5
2.	Un brevet aplicat	la nivel internațional		20
		la nivel național		10
3.	Un brevet citat în <i>Web of Science</i> (Thomson Reuters)		5	
4.	Produse și tehnologii rezultate din activități de cercetare bazate pe omologări sau inovații proprii (produs vândut, sume încasate) ⁶		20	
5.	Un laborator de cercetare-dezvoltare acreditat		20	
6.	Studii de impact și servicii comandate de un beneficiar		5	
Punctaj total dezvoltare servicii s.a.				

7. Capacitatea de a pregăti superior tineri cercetători (doctorat, post-doctorat) (10%)

Nr. crt.	Criteriu	n	Punctaj unitar	Punctaj acordat
1.	Institutul/centrul are dreptul de a conduce doctorate	1	20	20
2.	Un conducător de doctorat care activează în institut/centru - Dr.ing.Dorel Zugrăvescu, membru corespondent al Academiei Române - Dr.Crișan Demetrescu, membru corespondent al Academiei Române	2	20	40
3.	Un doctorand (Vezi Anexa 9)	11	10	110
4.	Un post-doctorand	0	10	0
5.	Un cercetător angajat in institut/centru care a obținut titlul de doctor in perioada de evaluare	0	10	0
Punctaj total pregătire tineri cercetatori				170

8. Prestigiu științific (toată perioada de activitate) (20%)

Nr. crt.	Criteriu	n	Punctaj unitar	Punctaj acordat
1.	Un membru în colectivul de redacție al unei reviste naționale/internaționale (cotată de <i>Web of Science</i> , Thomson Reuters sau indexată într-o BDI) sau în colectivul editorial al unor edituri internaționale consacrate Vezi Anexa 10	16	20	320
2.	Un membru în conducerea unei organizații internaționale de specialitate	0	20	0
3.	Un membru al Academiei Române Acad.A.Săndulescu, Dr.ing. Dorel Zugrăvescu, membru corespondent al Academiei Române, Dr. Crișan Demetrescu, membru corespondent al Academiei Române	3	50	150
4.	Un cercetător cu un indice Hirsch peste 8 Vezi Anexa 11	7	20	140
5.	Un membru de onoare (<i>fellow, senior</i>) al unei societăți științifice naționale/internaționale Vezi Anexa 12	7	20	140
6.	Un premiu al Academiei Române Vezi Anexa 12	8	20	160
7.	Un premiu (distanție) al unei societăți științifice naționale obținut printr-un proces de selecție Vezi Anexa 12	20	10	200
	Un premiu (distanție) al unei societăți științifice internaționale obținut printr-un proces de selecție – Vezi Anexa 12	5	40	200
Punctaj total prestigiu științific				1310

Punctaj total criteriile performanța științifică, atragere de fonduri, performanța dezvoltare, pregătire tineri și prestigiu științific	1852,59
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**Un articol publicat într-o revistă cotate de Web of Science (Thomson Reuters)
în 2017**

- Demetrescu, C., Dobrica, V., Greculeasa, R., Stefan, C.**, 2017, The induced surface electric response in Europe to 2015 St. Patrick's Day geomagnetic storm, *Journal of Atmospheric and Solar-Terrestrial Physics*, <http://dx.doi.org/10.1016/j.jastp.2017.09.003>. **FI=1.326**
- Dobrica, V., Demetrescu, C., Mares, I., Mares, C.**, 2017, Long-term evolution of the Lower Danube discharge and corresponding climate variations: solar signature imprint, *Theor Appl Climatol*, doi:10.1007/s00704-017-2234-2. **FI=2.64**
- Dobrica, V., Pirloaga, R., Stefan, C., Demetrescu, C.**, 2017, Inferring geoeffective solar variability signature in stratospheric and tropospheric Northern Hemisphere temperatures, *Journal of Atmospheric and Solar-Terrestrial Physics* (2017), <http://dx.doi.org/10.1016/j.jastp.2017.05.001>. **FI=1.326**
- Duchesne J.-C., Laurent O., Gerdes A., Bonin B., Liegeois J.-P., **Tatu M.**, Berza T., 2017, Source constraints on the genesis of Danubian granites in the South Carpathians Alpine Belt (Romania). *Lithos*, doi:10.1016/j.lithos.2017.10.002 Available online 12 October 2017 **FI=3.677**
- Gallhofer, D., von Quadt, A., Schmid, S. M., Guillong M., Peytcheva I., **Seghedi I.**, 2017, Magmatic and tectonic history of Jurassic ophiolites and associated granitoids from the South Apuseni Mountains (Romania), *Swiss Journal of Geosciences Volume: 110 Issue: 2 Pages: 699-719*. **FI= 1.533**
- Kovacs, M., **Seghedi, I.**, Yamamoto, M., Fülöp, A., Pécskay, Z., Jurje, M., 2017, Miocene volcanism from the Oaş-Gutâi Volcanic Zone (Eastern Carpathians, Romania) – link to the geodynamic processes of the Transcarpathian Basin, *Lithos*, DOI: 10.1016/j.lithos.2017.09.027. **FI= 3.677**
- Moldovan M.C., Burgehele B.D., Roba C.A., Sferle T.L., Buterez C., **Mitrofan H.**, *The geogenic radon potential map of the aspiring 'Buzău Land' Geopark, Radiation Protection Dosimetry*, doi: 10.1093/rpd/ncx143. **FI = 0.917**
- Oikonomou, C., Haralambous, H., Moldovan, I.A., **Greculeasa, R.**, 2017, Investigation of pre-earthquake ionospheric anomalies using VLF/LF INFREP European and GNSS global networks, *Romanian Journal of Physics*, 62, 7-8, 816. **FI=1.758**
- Quinn, D.P., Saleeby, J., Ducea, M.N., **Luffi, P.**, 2017, Late-Cretaceous construction of the mantle lithosphere beneath the central California coast revealed by Crystal Knob xenoliths. *Geochemistry, Geophysics, Geosystems*, in review. **FI= 3.201**
- Stănică D.A., Stănică D.**, Błęcki J., Ernst T., Słomiński J., Jozwiak W., 2017, Pre-seismic geomagnetic and ionosphere signatures related to the Mw5.7 earthquake occurred in Vrancea zone on September 24, 2016, *Acta Geophysica (AGPH)*, Springer, online. **FI=0.968**
- Stefan, C., Dobrica, V., Demetrescu, C.**, 2017, Core surface sub-centennial magnetic flux patches: characteristics and evolution, *Earth, Planets and Space*, 69:146, DOI 10.1186/s40623-017-0732-1. **FI=2.243**
- Szakács A., Chiriță V.**, 2017, Protected natural values of geoheritage interest in the Călimani National Park, Eastern Carpathians, Romania. *Geoheritage*, 9(3), 421-434, **FI=1.472**

**O lucrare prezentată la o manifestare științifică internațională, publicată integral
într-un volum editat într-o editură consacrată din străinătate
(Conference Proceedings)
2017**

- Bobos I., **Tatu M.**, Senna J., Nicolae I., **Seghedi I.** Very Low-Grade Metamorphism of the Permian Volcanism from the Apuseni Mountains, Romania. *Scientific Research Abstracts*, 7, 89, ISSN 2464-9147 (Online), XVI International Clay Conference | ICC 2017 | Granada, Spain
- Besutiu L.**, Manea V.C., **Pomeran M.**, Vrancea seismic zone as an unstable triple junction: new evidence from observations and numerical modelling, *9th Congress of the Balkan Geophysical Society, Antalya, Turkey, 5-9 November, 2017 (extended abstract)*, DOI: 10.3997/2214-4609.201702541
- Nuțu-Dragomir M-L.**, Sedimentary characteristics of a Permian continental succession in Sirinia Basin (South Carpathians, Romania), *SGEM2017 Conference Proceedings*, ISBN 978-619-7105-98-8/ISSN 1314-2704, 29 June -5 July 2017, vol. 17, issue 11, pp 503-514.
- Stănică D. A., Stănică D.**, Geomagnetic signal induced by the M5.7 earthquake occurred on September 24-th, 2016, in the seismic active Vrancea zone, Romania EGU 2017, Vienna, Austria, *publicată în Springer Journals, Acta Geophysica (AGPH), 2017,online.*
- Szakacs A., Seghedi I.**, Challenges of mapping in poorly-exposed volcanic areas:an introduction, 4th International Volcano Geology Workshop. Eastern Transylvania, Romania, October 8-14, 2017, *Romanian Journal of Earth Sciences, Vol. 91, Special Issue, October 2017, p. 82-83*
- Seghedi, I., Szakács, A., Pécskay, Z., Mirea, V., Luffi, P.**, The significance of debris avalanche deposits in the architecture of the Călimani-Gurghiu-Harghita volcanic range (Eastern Transylvania, Romania), October 8-14, 2017, *Romanian Journal of Earth Sciences, Vol. 91, Special Issue, October 2017, p. 78-79*

Număr de citări conform *Web of Science* (Thomson Reuters) în 2016

Lucrarea ***The impact of a uranium mining site on the stream sediments(Crucea mine, România)***. autori: Petrescu, L., Bilal, E. & Iatan, L.E., 2010. Scientific Annals of the School of Geology, 100, 121-126

a fost citată de:

1. Todirascu-Ciornea E., Dumitru G., Boz I., 2017. The evaluation of heavy metals pollution impact through some biochemical, physiological and histoanatomical aspects at woody species from mining areas at Suceava's county, Romania, Carpathian Journal of Earth and Environmental Sciences, Vol. 12, No. 1, p. 141 – 152

Lucrarea ***Building the Pamirs: The view from the underside***. Autori: Ducea, M.N., Lutkov, V., Minaev, V.T., Hacker, B., Ratschbacher, L., Luffi, P., Schwab, M., Gehrels, G.E., McWilliams, M., Vervoort, J., Metcalf, J., 2003. Geology 31, 849-852

a fost citată de:

1. Gao, G.M., et al., *An analysis of crustal magnetic anomaly and Curie surface in west Himalayan syntaxis and adjacent area*. Acta Geodaetica Et Geophysica, 2017. 52(3): p. 407-420.
2. Jay, C.N., L.M. Flesch, and R.O. Bendick, *Kinematics and dynamics of the Pamir, Central Asia: Quantifying surface deformation and force balance in an intracontinental subduction zone*. Journal of Geophysical Research-Solid Earth, 2017. 122(6): p. 4741-4762.
3. Kooijman, E., et al., *A view into crustal evolution at mantle depths*. Earth and Planetary Science Letters, 2017. 465: p. 59-69.
4. Liu, D.L., et al., *Cenozoic episodic uplift and kinematic evolution between the Pamir and Southwestern Tien Shan*. Tectonophysics, 2017. 712: p. 438-454.
5. Owczarek, P., et al., *100 Years of earthquakes in the Pamir region as recorded in juniper wood: A case study of Tajikistan*. Journal of Asian Earth Sciences, 2017. 138: p. 173-185.
6. Rutte, D., et al., *Building the Pamir-Tibetan Plateau Crustal stacking, extensional collapse, and lateral extrusion in the Central Pamir: 2. Timing and rates*. Tectonics, 2017. 36(3): p. 385-419.
7. Zhang, Z.M., et al., *Oligocene HP metamorphism and anatexis of the Higher Himalayan Crystalline Sequence in Yadong region, east-central Himalaya*. Gondwana Research, 2017. 41: p. 173-187.
8. Zhou, X., et al., *Early Mesozoic deep-crust reworking beneath the central Lhasa terrane (South Tibet): Evidence from intermediate gneiss xenoliths in granites*. Lithos, 2017. 274: p. 225-239.

Lucrarea ***Near-ultrahigh pressure processing of continental crust: Miocene crustal xenoliths from the Pamir***. Autori: Hacker, B., Luffi, P., Lutkov, V., Minaev, V.,

Ratschbacher, L., Plank, T., Ducea, M., Patino-Douce, A., McWilliams, M., Metcalf, J., 2005. *Journal of Petrology* 46, 1661-1687.

a fost citată de:

1. Kooijman, E., et al., *A view into crustal evolution at mantle depths*. *Earth and Planetary Science Letters*, 2017. 465: p. 59-69.
2. Maierova, P., et al., *Computational study of deformation mechanisms and grain size evolution in granulites - Implications for the rheology of the lower crust*. *Earth and Planetary Science Letters*, 2017. 466: p. 91-102.
3. Ou, Q., et al., *Eocene adakitic porphyries in the central-northern Qiangtang Block, central Tibet: Partial melting of thickened lower crust and implications for initial surface uplifting of the plateau*. *Journal of Geophysical Research-Solid Earth*, 2017. 122(2): p. 1025-1053.
4. Rutte, D., et al., *Building the Pamir-Tibetan Plateau Crustal stacking, extensional collapse, and lateral extrusion in the Central Pamir: 2. Timing and rates*. *Tectonics*, 2017. 36(3): p. 385-419.
5. Rutte, D., et al., *Building the Pamir-Tibetan Plateau Crustal stacking, extensional collapse, and lateral extrusion in the Central Pamir: 1. Geometry and kinematics*. *Tectonics*, 2017. 36(3): p. 342-384.
6. Zhang, Z.M., et al., *Tectonic evolution and dynamics of the Tibetan Plateau*. *Gondwana Research*, 2017. 41: p. 1-8.
7. Zhang, Z.M., et al., *Metamorphism and partial melting Himalayan orogen*. *Acta Petrologica Sinica*, 2017. 33(8): p. 2313-2341.
8. Zhang, Z.M., et al., *Oligocene HP metamorphism and anatexis of the Higher Himalayan Crystalline Sequence in Yadong region, east-central Himalaya*. *Gondwana Research*, 2017. 41: p. 173-187.

Lucrarea ***The role of serpentine in preferential craton formation in the late Archean by lithosphere underthrusting***. Autori: Lee, C.T.A., Luffi, P., Höink, T., Li, Z.X.A., Lenardic, A., 2008. *Earth and Planetary Science Letters* 269, 96-104

a fost citată de:

1. Gonzalez, C.M. and W. Gorczyk, *Decarbonation in an intracratonic setting: Insight from petrological-thermomechanical modeling*. *Journal of Geophysical Research-Solid Earth*, 2017. 122(8): p. 5992-6013.

Lucrarea ***Active megadetachment beneath the western United States***, Autori: Wernicke, B., Davis, J.L., Niemi, N.A., Luffi, P., Bisnath, S., 2008. *J. Geophys. Res.-Solid Earth*, p. B11409.

a fost citată de:

1. Bernard, R.E. and W.M. Behr, *Fabric heterogeneity in the Mojave lower crust and lithospheric mantle in Southern California*. *Journal of Geophysical Research-Solid Earth*, 2017. 122(7): p. 5000-5025.
2. Hyndman, R.D., *Lower-crustal flow and detachment in the North American Cordillera: a consequence of Cordillera-wide high temperatures*. *Geophysical Journal International*, 2017. 209(3): p. 1779-1799.
3. Perouse, E. and B.P. Wernicke, *Spatiotemporal evolution of fault slip rates in deforming continents: The case of the Great Basin region, northern Basin and Range province*. *Geosphere*, 2017. 13(1): p. 112-135.

Lucrarea ***Lithospheric mantle duplex beneath the central Mojave Desert revealed by xenoliths from Dish Hill, California***. Autori: Luffi, P., Saleeby, J.B., Lee, C.-T.A., Ducea, M.N., 2009. *Journal of Geophysical Research* 114, B03202.

a fost citată de:

1. Baziotis, I., et al., *Phosphorus zoning as a recorder of crystal growth kinetics: application to second-generation olivine in mantle xenoliths from the Cima Volcanic Field*. Contributions to Mineralogy and Petrology, 2017. 172(7).
2. Bernard, R.E. and W.M. Behr, *Fabric heterogeneity in the Mojave lower crust and lithospheric mantle in Southern California*. Journal of Geophysical Research-Solid Earth, 2017. 122(7): p. 5000-5025.
3. Chapman, A.D., *The Pelona-Orocopia-Rand and related schists of southern California: a review of the best-known archive of shallow subduction on the planet*. International Geology Review, 2017. 59(5-6): p. 664-701.
4. Simakin, A.G. and O.Y. Shaposhnikova, *Novel Amphibole Geobarometer for High-Magnesium Andesite and Basalt Magmas*. Petrology, 2017. 25(2): p. 226-240.
5. Urann, B.M., et al., *Fluorine and chlorine in mantle minerals and the halogen budget of the Earth's mantle*. Contributions to Mineralogy and Petrology, 2017. 172(7).

Lucrarea *Constraints on the depths and temperatures of basaltic magma generation on Earth and other terrestrial planets using new thermobarometers for mafic magmas*.

Autori: Lee, C.-T.A., Luffi, P., Plank, T., Dalton, H., Leeman, W.P., 2009. Earth and Planetary Science Letters 279, 20-33

a fost citată de:

1. Gan, C.S., et al., *Constraints of the Xialan gabbroic intrusion in the Eastern Nanling Range on the early Jurassic intra-continental extension in eastern South China*. Journal of Asian Earth Sciences, 2017. 145: p. 576-590.
2. Pang, C.J., et al., *Hydrous parental magmas of Early to Middle Permian gabbroic intrusions in western Inner Mongolia, North China: New constraints on deep-Earth fluid cycling in the Central Asian Orogenic Belt*. Journal of Asian Earth Sciences, 2017. 144: p. 184-204.
3. Schmidt, M.W. and O. Jagoutz, *The global systematics of primitive arc melts*. Geochemistry Geophysics Geosystems, 2017. 18(8): p. 2817-2854.
4. Siddiqui, R.H., et al., *Petrogenesis of the Late Cretaceous Tholeiitic Volcanism and Oceanic Island Arc Affinity of the Chagai Arc, Western Pakistan*. Acta Geologica Sinica-English Edition, 2017. 91(4): p. 1248-1263.
5. Witte, M., et al., *OIB signatures in basin-related lithosphere-derived alkaline basalts from the Batain basin (Oman) - Constraints from Ar-40/Ar-39 ages and Nd-Sr-Pb-Hf isotopes*. Lithos, 2017. 286: p. 109-124.
6. Ruiz, J., *Heat flow evolution of the Earth from paleomantle temperatures: Evidence for increasing heat loss since similar to 2.5 Ga*. Physics of the Earth and Planetary Interiors, 2017. 269: p. 165-171.
7. Tchaptchet, D.T., et al., *Geology, mineralogy and geochemistry of the Kekem dyke swarm (Western Cameroon): Insights into Paleozoic-Mesozoic magmatism and geodynamic implications*. Comptes Rendus Geoscience, 2017. 349(4): p. 175-185.
8. Ciborowski, T.J.R., et al., *A mantle plume origin for the Palaeoproterozoic Circum-Superior Large Igneous Province*. Precambrian Research, 2017. 294: p. 189-213.
9. Kuritani, T., et al., *Fluid-fluxed melting of mantle versus decompression melting of hydrous mantle plume as the cause of intraplate magmatism over a stagnant slab: Implications from Fukue Volcano Group, SW Japan*. Lithos, 2017. 282: p. 98-110.
10. Till, C.B., *A review and update of mantle thermobarometry for primitive arc magmas*. American Mineralogist, 2017. 102(5): p. 931-947.

11. Reid, M.R., et al., *Shallow melting of MORB-like mantle under hot continental lithosphere, Central Anatolia*. *Geochemistry Geophysics Geosystems*, 2017. 18(5): p. 1866-1888.
12. Zhang, Y.Q., et al., *Basalts and picrites from a plume-type ophiolite in the South Qilian Accretionary Belt, Qilian Orogen: Accretion of a Cambrian Oceanic Plateau?* *Lithos*, 2017. 278: p. 97-110.
13. Walzer, U. and R. Hendel, *Continental crust formation: Numerical modelling of chemical evolution and geological implications*. *Lithos*, 2017. 278: p. 215-228.
14. Li, Z. and C.J. Wei, *Two types of Neoarchean basalts from Qingyuan greenstone belt, North China Craton: Petrogenesis and tectonic implications*. *Precambrian Research*, 2017. 292: p. 175-193.
15. Pu, X.F., R.A. Lange, and G. Moore, *A comparison of olivine-melt thermometers based on D-Mg and D-Ni: The effects of melt composition, temperature, and pressure with applications to MORBs and hydrous arc basalts*. *American Mineralogist*, 2017. 102(4): p. 750-765.
16. Ganne, J. and X.J. Feng, *Primary magmas and mantle temperatures through time*. *Geochemistry Geophysics Geosystems*, 2017. 18(3): p. 872-888.
17. Leeman, W.P., S. Tonarini, and S. Turner, *Boron isotope variations in Tonga-Kermadec-New Zealand arc lavas: Implications for the origin of subduction components and mantle influences*. *Geochemistry Geophysics Geosystems*, 2017. 18(3): p. 1126-1162.
18. Hallis, L.J., et al., *Effects of shock and Martian alteration on Tissint hydrogen isotope ratios and water content*. *Geochimica Et Cosmochimica Acta*, 2017. 200: p. 280-294.
19. Phillips, B.A., et al., *Oceanic mafic magmatism in the Siletz terrane, NW North America: Fragments of an Eocene oceanic plateau?* *Lithos*, 2017. 274: p. 291-303.
20. Martynov, A.Y. and Y.A. Martynov, *Pleistocene Basaltic Volcanism of Kunashir Island (Kuril Island Arc): Mineralogy, Geochemistry, and Results of Computer Simulation*. *Petrology*, 2017. 25(2): p. 206-225.
21. Ding, S. and R. Dasgupta, *The fate of sulfide during decompression melting of peridotite implications for sulfur inventory of the MORB-source depleted upper mantle*. *Earth and Planetary Science Letters*, 2017. 459: p. 183-195.
22. An, A.R., et al., *Petrogenesis of Late Cenozoic basaltic rocks from southern Vietnam*. *Lithos*, 2017. 272: p. 192-204.
23. Mullen, E.K., et al., *Primitive arc magma diversity: New geochemical insights in the Cascade Arc*. *Chemical Geology*, 2017. 448: p. 43-70.
24. Reagan, M.K., et al., *Subduction initiation and ophiolite crust: new insights from IODP drilling*. *International Geology Review*, 2017. 59(11): p. 1439-1450.
25. Matzen, A.K., et al., *The effect of liquid composition on the partitioning of Ni between olivine and silicate melt*. *Contributions to Mineralogy and Petrology*, 2017. 172(1).
26. Mazza, S.E., et al., *Post-rift magmatic evolution of the eastern North American "passive-aggressive" margin*. *Geochemistry Geophysics Geosystems*, 2017. 18(1): p. 3-22.
27. Dauphas, N., S.G. John, and O. Rouxel, *Iron Isotope Systematics*, in *Non-Traditional Stable Isotopes*, F.Z. Teng, J. Watkins, and N. Dauphas, Editors. 2017. p. 415-510.

Lucrarea ***Eruptive history of a low frequency and low-output rate Pleistocene volcano, Ciomadul, South Harghita Mts., Romania***, autori: Szakács, A., Seghedi, I., Pécskay, Z., Mirea, V., 2015. *Bulletin of Volcanology*, 77:12, DOI 10.1007/s00445-014-0894-7.
a fost citată de:

1. Longman, Jack; Veres, Daniel; Ersek, Vasile; et al. Periodic input of dust over the Eastern Carpathians during the Holocene linked with Saharan desertification and human impact CLIMATE OF THE PAST Volume: 13 Issue: 7 Pages: 897-917 Published: JUL 18 2017
2. Kis, Boglarka-Mercedesz; Ionescu, Artur; Cardellini, Carlo; et al., 2017. Quantification of carbon dioxide emissions of Ciomadul, the youngest volcano of the Carpathian-Pannonian Region (Eastern-Central Europe, Romania) JOURNAL OF VOLCANOLOGY AND GEOTHERMAL RESEARCH Volume: 341 Pages: 119-130 Published: JUL 15 2017
3. Wulf, Sabine; Fedorowicz, Stanislaw; Veres, Daniel; et al., 2016. The "Roxolany Tephra" (Ukraine) - new evidence for an origin from Ciomadul volcano, East Carpathians JOURNAL OF QUATERNARY SCIENCE Volume: 31 Issue: 6 Pages: 565-576
4. Karatson, D.; Wulf, S.; Veres, D.; et al., 2016. The latest explosive eruptions of Ciomadul (Csomad) volcano, East Carpathians - A tephrostratigraphic approach for the 51-29 ka BP time interval JOURNAL OF VOLCANOLOGY AND GEOTHERMAL RESEARCH Volume: 319 Pages: 29-51
5. Visan, Madalina; Panaiotu, Cristian G.; Necula, Cristian; et al., 2016. Palaeomagnetism of the Upper Miocene-Lower Pliocene lavas from the East Carpathians: contribution to the paleosecular variation of geomagnetic field. SCIENTIFIC REPORTS Volume: 6 Article Number: 23411 Published: MAR 21

Lucrarea ***Geochemical evidence for exhumation of eclogite via serpentinite channels in ocean-continent subduction zones.*** Autori: Horodyskyj, U., Lee, C.-T.A., Luffi, P., 2009. Geosphere 5, 426-438.

a fost citată de:

1. Cruciani, G., M. Franceschelli, and M. Puxeddu, *U-, Pb-enrichment, Sr-depletion produced by water-rock interaction processes within the eclogitic oceanic crust of Ordovician age in NE Sardinia*, in *15th Water-Rock Interaction International Symposium, Wri-15*, J.M. Marques and A. Chambel, Editors. 2017. p. 508-511.
2. Krohe, A., *The Franciscan Complex (California, USA) - The model case for return-flow in a subduction channel put to the test.* Gondwana Research, 2017. 45: p. 282-307.

Lucrarea ***Upside-down differentiation and generation of a 'primordial' lower mantle.*** Autori: Lee, C.-T.A., Luffi, P., Hoink, T., Li, J., Dasgupta, R., Hernlund, J., 2010. Nature 463, 930-933

a fost citată de:

1. Nedelec, A., M. Monnereau, and M.J. Toplis, *The Hadean-Archaean transition at 4 Ga: From magma trapping in the mantle to volcanic resurfacing of the Earth.* Terra Nova, 2017. 29(4): p. 218-223.
2. Ren, Z.Y., et al., *Primary magmas and mantle sources of Emeishan basalts constrained from major element, trace element and Pb isotope compositions of olivine-hosted melt inclusions.* Geochimica Et Cosmochimica Acta, 2017. 208: p. 63-85.
3. Duncan, M.S. and R. Dasgupta, *Rise of Earth's atmospheric oxygen controlled by efficient subduction of organic carbon.* Nature Geoscience, 2017. 10(5): p. 387-+.
4. Jackson, M.G., et al., *Geochemistry of lavas from the Caroline hotspot, Micronesia: Evidence for primitive and recycled components in the mantle sources of lavas with moderately elevated He-3/He-4.* Chemical Geology, 2017. 455: p. 385-400.

5. Singh, S., S. Agrawal, and A. Ghosh, *Understanding deep earth dynamics: a numerical modelling approach*. Current Science, 2017. 112(7): p. 1463-1473.
6. Mundl, A., et al., *Tungsten-182 heterogeneity in modern ocean island basalts*. Science, 2017. 356(6333): p. 66-+.
7. Andraut, D., et al., *Toward a coherent model for the melting behavior of the deep Earth's mantle*. Physics of the Earth and Planetary Interiors, 2017. 265: p. 67-81.
8. Cochain, B., et al., *Viscosity of mafic magmas at high pressures*. Geophysical Research Letters, 2017. 44(2): p. 818-826.
9. Zhang, J.B., et al., *Pressure-dependent compatibility of iron in garnet: Insights into the origin of ferropicritic melt*. Geochimica Et Cosmochimica Acta, 2017. 197: p. 356-377.

Lucrarea ***The redox state of arc mantle using Zn/Fe systematics***. Autori: Lee, C.-T.A., Luffi, P., Le Roux, V., Dasgupta, R., Albarede, F., Leeman, W.P., 2010. Nature 468, 681-685

a fost citată de:

1. Tao, R.B., et al., *High-pressure experimental verification of rutile-ilmenite oxybarometer: Implications for the redox state of the subduction zone*. Science China-Earth Sciences, 2017. 60(10): p. 1817-1825.
2. Aulbach, S., et al., *Effects of low-pressure igneous processes and subduction on Fe³⁺/Sigma Fe and redox state of mantle eclogites from Lace (Kaarvaal craton)*. Earth and Planetary Science Letters, 2017. 474: p. 283-295.
3. Zhu, K.Y., et al., *Evaluation of a small-diameter sampling method in magnetic susceptibility, AMS and X-ray CT studies and its applications to mafic microgranular enclaves (MMEs) in granite*. Journal of Volcanology and Geothermal Research, 2017. 341: p. 208-227.
4. Malaspina, N., et al., *The redox budget of crust-derived fluid phases at the slab-mantle interface*. Geochimica Et Cosmochimica Acta, 2017. 209: p. 70-84.
5. Canil, D. and S.A. Fellows, *Sulphide-sulphate stability and melting in subducted sediment and its role in arc mantle redox and chalcophile cycling in space and time*. Earth and Planetary Science Letters, 2017. 470: p. 73-86.
6. Farner, M.J. and C.T.A. Lee, *Effects of crustal thickness on magmatic differentiation in subduction zone volcanism: A global study*. Earth and Planetary Science Letters, 2017. 470: p. 96-107.
7. Kato, C. and F. Moynier, *Gallium isotopic evidence for extensive volatile loss from the Moon during its formation*. Science Advances, 2017. 3(7).
8. Reid, M.R., et al., *Shallow melting of MORB-like mantle under hot continental lithosphere, Central Anatolia*. Geochemistry Geophysics Geosystems, 2017. 18(5): p. 1866-1888.
9. Peters, S.T.M., et al., *Amphibole megacrysts as a probe into the deep plumbing system of Merapi volcano, Central Java, Indonesia*. Contributions to Mineralogy and Petrology, 2017. 172(4).
10. Liou, P., et al., *Petrogenesis of Neoproterozoic metavolcanic rocks in Changyukou, Northwestern Hebei: Implications for the transition stage from a compressional to an extensional regime for the North China Craton*. Lithos, 2017. 274: p. 53-72.
11. Xu, R., et al., *Crust recycling induced compositional-temporal-spatial variations of Cenozoic basalts in the Trans-North China Orogen*. Lithos, 2017. 274: p. 383-396.
12. Sun, W.D., et al., *The formation of porphyry copper deposits*. Acta Geochimica, 2017. 36(1): p. 9-15.

13. Hsu, Y.J., et al., *Copper partitioning between silicate melts and amphibole: Experimental insight into magma evolution leading to porphyry copper ore formation*. *Chemical Geology*, 2017. 448: p. 151-163.
14. Dai, L.Q., et al., *Recycling of Paleotethyan oceanic crust: Geochemical record from postcollisional mafic igneous rocks in the Tongbai-Hong'an orogens*. *Geological Society of America Bulletin*, 2017. 129(1-2): p. 179-192.
15. Prytulak, J., et al., *Stable vanadium isotopes as a redox proxy in magmatic systems? Geochemical Perspectives Letters*, 2017. 3(1): p. 75-84.

Lucrarea ***Building and Destroying Continental Mantle***. Autori: Lee, C.-T.A., Luffi, P., Chin, E.J., 2011. *Annual Review of Earth and Planetary Sciences* 39, 59-90

a fost citată de:

1. Turner, S.J., et al., *The importance of mantle wedge heterogeneity to subduction zone magmatism and the origin of EM1*. *Earth and Planetary Science Letters*, 2017. 472: p. 216-228.
2. Gonzalez, C.M. and W. Gorczyk, *Decarbonation in an intracratonic setting: Insight from petrological-thermomechanical modeling*. *Journal of Geophysical Research-Solid Earth*, 2017. 122(8): p. 5992-6013.
3. Park, K., et al., *Evolution of the lithospheric mantle beneath Mt. Baekdu (Changbaishan): Constraints from geochemical and Sr-Nd-Hf isotopic studies on peridotite xenoliths in trachybasalt*. *Lithos*, 2017. 286: p. 330-344.
4. Chapman, J.B., et al., *Spatial and temporal radiogenic isotopic trends of magmatism in Cordilleran orogens*. *Gondwana Research*, 2017. 48: p. 189-204.
5. Chen, L., *Layering of subcontinental lithospheric mantle*. *Science Bulletin*, 2017. 62(14): p. 1030-1034.
6. Ashchepkov, I.V., et al., *Alakit and Daldyn kimberlite fields, Siberia, Russia: Two types of mantle sub-terrane beneath central Yakutia?* *Geoscience Frontiers*, 2017. 8(4): p. 671-692.
7. Smart, K.A., et al., *Tectonic significance and redox state of Paleoproterozoic eclogite and pyroxenite components in the Slave cratonic mantle lithosphere, Voyageur kimberlite, Arctic Canada*. *Chemical Geology*, 2017. 455: p. 98-119.
8. Kind, R., et al., *Detection of a new sub-lithospheric discontinuity in Central Europe with S-receiver functions*. *Tectonophysics*, 2017. 700: p. 19-31.
9. Chen, Y.F., Y.J. Gu, and S.H. Hung, *Finite-frequency P-wave tomography of the Western Canada Sedimentary Basin: Implications for the lithospheric evolution in Western Laurentia*. *Tectonophysics*, 2017. 698: p. 79-90.
10. Cooper, C.M., M.S. Miller, and L. Moresi, *The structural evolution of the deep continental lithosphere*. *Tectonophysics*, 2017. 695: p. 100-121.
11. Snyder, D.B., E. Humphreys, and D.G. Pearson, *Construction and destruction of some North American cratons*. *Tectonophysics*, 2017. 694: p. 464-485.
12. Hawkesworth, C.J., et al., *Earth's Continental Lithosphere Through Time*, in *Annual Review of Earth and Planetary Sciences, Vol 45*, R. Jeanloz and K.H. Freeman, Editors. 2017. p. 169-198.
13. Teng, F.Z., *Magnesium Isotope Geochemistry*, in *Non-Traditional Stable Isotopes*, F.Z. Teng, J. Watkins, and N. Dauphas, Editors. 2017. p. 219-287.
14. Aulbach, S., M. Massuyeau, and F. Gaillard, *Origins of cratonic mantle discontinuities: A view from petrology, geochemistry and thermodynamic models*. *Lithos*, 2017. 268: p. 364-382.
15. Moyen, J.F., et al., *Paleoproterozoic rejuvenation and replacement of Archaean lithosphere: Evidence from zircon U-Pb dating and Hf isotopes in crustal xenoliths at Udachnaya, Siberian craton*. *Earth and Planetary Science Letters*, 2017. 457: p. 149-159.

16. Dalton, C.A., X.Y. Bao, and Z.T. Ma, *The thermal structure of cratonic lithosphere from global Rayleigh wave attenuation*. Earth and Planetary Science Letters, 2017. 457: p. 250-262.

Lucrarea ***Metamorphic evolution, partial melting and rapid exhumation above an ancient flat slab: insights from the San Emigdio Schist, southern California***. Autori: Chapman, A.D., Luffi, P., Saleeby, J.B., Petersen, S., 2011. Journal of Metamorphic Geology 29, 601-626

a fost citată de:

1. Airaghi, L., et al., *Microstructural vs compositional preservation and pseudomorphic replacement of muscovite in deformed metapelites from the Longmen Shan (Sichuan, China)*. Lithos, 2017. 282: p. 262-280.
2. Holk, G.J., et al., *A two-stage fluid history for the Orocopia Schist and associated rocks related to flat subduction and exhumation, southeastern California*. International Geology Review, 2017. 59(5-6): p. 639-663.
3. Chapman, A.D., *The Pelona-Orocopia-Rand and related schists of southern California: a review of the best-known archive of shallow subduction on the planet*. International Geology Review, 2017. 59(5-6): p. 664-701.
4. Lanari, P. and M. Engi, *Local Bulk Composition Effects on Metamorphic Mineral Assemblages*, in *Petrochronology: Methods and Applications*, M.J. Kohn, M. Engi, and P. Lanari, Editors. 2017. p. 55-102.

Lucrarea ***Deep Lithospheric Thickening and Refertilization beneath Continental Arcs: Case Study of the P, T and Compositional Evolution of Peridotite Xenoliths from the Sierra Nevada, California***. Autori: Chin, E.J., Lee, C.-T.A., Luffi, P., Tice, M., 2012. Journal of Petrology 53, 477-511

a fost citată de:

1. Turner, S.J., et al., *The importance of mantle wedge heterogeneity to subduction zone magmatism and the origin of EM1*. Earth and Planetary Science Letters, 2017. 472: p. 216-228.
2. Beranek, L.P., et al., *Late Jurassic flare-up of the Coast Mountains arc system, NW Canada, and dynamic linkages across the northern Cordilleran orogen*. Tectonics, 2017. 36(5): p. 877-901.
3. Sun, C.G. and Y. Liang, *A REE-in-plagioclase-clinopyroxene thermometer for crustal rocks*. Contributions to Mineralogy and Petrology, 2017. 172(4).
4. Goldfarb, R.J., et al., *West Africa: The World's Premier Paleoproterozoic Gold Province*. Economic Geology, 2017. 112(1): p. 123-143.

Lucrarea ***Copper Systematics in Arc Magmas and Implications for Crust-Mantle Differentiation***. Autori: Lee, C.-T.A., Luffi, P., Chin, E.J., Bouchet, R., Dasgupta, R., Morton, D.M., Le Roux, V., Yin, Q.-z., Jin, D., 2012. Science 336, 64-68,

a fost citată de:

1. Wang, Z.C. and H. Becker, *Silver contents and Cu/Ag ratios in Martian meteorites and the implications for planetary differentiation*. Geochimica Et Cosmochimica Acta, 2017. 216: p. 96-114.
2. Ciazela, J., et al., *Thin crust and exposed mantle control sulfide differentiation in slow-spreading ridge magmas*. Geology, 2017. 45(10): p. 935-938.
3. Aulbach, S., et al., *Effects of low-pressure igneous processes and subduction on Fe³⁺/Sigma Fe and redox state of mantle eclogites from Lace (Kaapvaal craton)*. Earth and Planetary Science Letters, 2017. 474: p. 283-295.
4. Huang, J., et al., *Copper isotope fractionation during partial melting and melt percolation in the upper mantle: Evidence from massif peridotites in Ivrea-*

- Verbano Zone, Italian Alps. *Geochimica Et Cosmochimica Acta*, 2017. 211: p. 48-63.
5. Zhao, Y., et al., *Copper isotope fractionation during sulfide-magma differentiation in the Tulaergen magmatic Ni-Cu deposit, NW China*. *Lithos*, 2017. 286: p. 206-215.
 6. Greaney, A.T., et al., *The behavior of chalcophile elements during magmatic differentiation as observed in Kilauea Iki lava lake, Hawaii*. *Geochimica Et Cosmochimica Acta*, 2017. 210: p. 71-96.
 7. Li, X.Y., et al., *Oxygen fugacity of Yanshanian granites in South China and implications for metallogeny*. *Ore Geology Reviews*, 2017. 88: p. 690-701.
 8. Canil, D. and S.A. Fellows, *Sulphide-sulphate stability and melting in subducted sediment and its role in arc mantle redox and chalcophile cycling in space and time*. *Earth and Planetary Science Letters*, 2017. 470: p. 73-86.
 9. Farner, M.J. and C.T.A. Lee, *Effects of crustal thickness on magmatic differentiation in subduction zone volcanism: A global study*. *Earth and Planetary Science Letters*, 2017. 470: p. 96-107.
 10. Portnyagin, M.V., N.L. Mironov, and D.P. Nazarova, *Copper Partitioning between Olivine and Melt Inclusions and Its Content in Primitive Island-Arc Magmas of Kamchatka*. *Petrology*, 2017. 25(4): p. 419-432.
 11. Jenner, F.E., *Cumulate causes for the low contents of sulfide-loving elements in the continental crust*. *Nature Geoscience*, 2017. 10(7): p. 524-+.
 12. Zhao, X.M., et al., *Coupled extremely light Ca and Fe isotopes in peridotites*. *Geochimica Et Cosmochimica Acta*, 2017. 208: p. 368-380.
 13. Hou, Z.Q., et al., *Recycling of metal-fertilized lower continental crust: Origin of non-arc Au-rich porphyry deposits at cratonic edges*. *Geology*, 2017. 45(6): p. 563-566.
 14. Liu, J., et al., *The Ordovician igneous rocks with high Sr/Y at the Tongshan porphyry copper deposit, satellite of the Duobaoshan deposit, and their metallogenic role*. *Ore Geology Reviews*, 2017. 86: p. 600-614.
 15. Zhao, X.B., et al., *Zircon and molybdenite geochronology and geochemistry of the Kalmakyr porphyry Cu-Au deposit, Almalyk district, Uzbekistan: Implications for mineralization processes*. *Ore Geology Reviews*, 2017. 86: p. 807-824.
 16. Zhang, C.C., et al., *Oxygen fugacity and porphyry mineralization: A zircon perspective of Dexing porphyry Cu deposit, China*. *Geochimica Et Cosmochimica Acta*, 2017. 206: p. 343-363.
 17. Li, J.L., et al., *Subduction channel fluid-rock interaction and mass transfer: Constraints from a retrograde vein in blueschist (SW Tianshan, China)*. *Chemical Geology*, 2017. 456: p. 28-42.
 18. Zhang, J.Y., et al., *Controls on the formation of Cu-rich magmas: Insights from the Late Triassic post-collisional Saishitang complex in the eastern Kunlun Orogen, western China*. *Lithos*, 2017. 278: p. 400-418.
 19. Kiseeva, E.S., R.O.C. Fonseca, and D.J. Smythe, *Chalcophile Elements and Sulfides in the Upper Mantle*. *Elements*, 2017. 13(2): p. 111-116.
 20. Chiaradia, M. and L. Caricchi, *Stochastic modelling of deep magmatic controls on porphyry copper deposit endowment*. *Scientific Reports*, 2017. 7.
 21. Nosova, A.A., et al., *Geochemistry and Oxygen Isotopic Composition of Olivine in Kimberlites from the Arkhangelsk Province: Contribution of Mantle Metasomatism*. *Petrology*, 2017. 25(2): p. 150-180.
 22. Sun, W.D., et al., *The formation of porphyry copper deposits*. *Acta Geochimica*, 2017. 36(1): p. 9-15.

23. Storey, C.D. and M.P. Smith, *Metal source and tectonic setting of iron oxide-copper-gold (IOCG) deposits: Evidence from an in situ Nd isotope study of titanite from Norrbotten, Sweden*. Ore Geology Reviews, 2017. 81: p. 1287-1302.
24. Keith, M., et al., *Systematic variations in magmatic sulphide chemistry from mid-ocean ridges, back-arc basins and island arcs*. Chemical Geology, 2017. 451: p. 67-77.
25. Ding, S. and R. Dasgupta, *The fate of sulfide during decompression melting of peridotite implications for sulfur inventory of the MORB-source depleted upper mantle*. Earth and Planetary Science Letters, 2017. 459: p. 183-195.
26. El Korh, A., et al., *Investigation of Ge and Ga exchange behaviour and Ge isotopic fractionation during subduction zone metamorphism*. Chemical Geology, 2017. 449: p. 165-181.
27. Hsu, Y.J., et al., *Copper partitioning between silicate melts and amphibole: Experimental insight into magma evolution leading to porphyry copper ore formation*. Chemical Geology, 2017. 448: p. 151-163.
28. Bian, Q.T., et al., *Petrology and geochemistry of the Cu-bearing carbonatite from the Shivuma copper deposit, Zambia: Implications to petrogenesis and metallogeny*. Acta Petrologica Sinica, 2017. 33(6): p. 1805-1826.
29. Wang, P., et al., *Triassic ore-bearing and barren porphyries in the Zhongdian Arc of SW China: implications for the subduction of the Palaeo-Tethys Ocean*. International Geology Review, 2017. 59(11): p. 1490-1505.
30. Zeng, Y.C., et al., *Origin of Miocene Cu-bearing porphyries in the Zhunuo region of the southern Lhasa subterrane: Constraints from geochronology and geochemistry*. Gondwana Research, 2017. 41: p. 51-64.
31. Pei, Y.R., et al., *The geochemical characteristics of the Pengcuolin adakitic dykes, southern Tibet: Petrogenesis and implications for regional metallogenesis*. Acta Petrologica Sinica, 2017. 33(2): p. 515-528.
32. Moynier, F., et al., *The Isotope Geochemistry of Zinc and Copper*, in *Non-Traditional Stable Isotopes*, F.Z. Teng, J. Watkins, and N. Dauphas, Editors. 2017. p. 543-600.
33. Zhang, Z.W., et al., *Sr-Nd-Os-S isotope and PGE geochemistry of the Xiarihamu magmatic sulfide deposit in the Qinghai-Tibet plateau, China*. Mineralium Deposita, 2017. 52(1): p. 51-68.
34. Wan, B., et al., *Contrasting ore styles and their role in understanding the evolution of the Altai*. Ore Geology Reviews, 2017. 80: p. 910-922.

Lucrarea ***The thermal structure of continental crust in active orogens: insight from Miocene eclogite and granulite xenoliths of the Pamir Mountains***. Autori: Gordon, S.M., Luffi, P., Hacker, B., Valley, J., Spicuzza, M., Kozdon, R., Kelemen, P., Ratshbacher, L., Minaev, V., 2012. Journal of Metamorphic Geology 30, 413-434
a fost citată de:

1. Bloch, E., et al., *Recent crustal foundering in the Northern Volcanic Zone of the Andean arc: Petrological insights from the roots of a modern subduction zone*. Earth and Planetary Science Letters, 2017. 476: p. 47-58.
2. Kooijman, E., et al., *A view into crustal evolution at mantle depths*. Earth and Planetary Science Letters, 2017. 465: p. 59-69.
3. Stepanov, A.S., et al., *Discussion: "Xenoliths in ultrapotassic volcanic rocks in the Lhasa block: direct evidence for crust-mantle mixing and metamorphism in the deep crust" by Wang et al. 2016 (Contributions to Mineralogy and Petrology) 171:62*. Contributions to Mineralogy and Petrology, 2017. 172(4).

4. Rutte, D., et al., *Building the Pamir-Tibetan Plateau Crustal stacking, extensional collapse, and lateral extrusion in the Central Pamir: 2. Timing and rates*. *Tectonics*, 2017. 36(3): p. 385-419.
5. Baxter, E.F., M.J. Caddick, and B. Dragovic, *Garnet: A Rock-Forming Mineral Petrochronometer*, in *Petrochronology: Methods and Applications*, M.J. Kohn, M. Engi, and P. Lanari, Editors. 2017. p. 469-+.
6. Zhang, Z.M., et al., *Oligocene HP metamorphism and anatexis of the Higher Himalayan Crystalline Sequence in Yadong region, east-central Himalaya*. *Gondwana Research*, 2017. 41: p. 173-187.

Lucrarea ***Post-collisional melting of crustal sources: constraints from geochronology, petrology and Sr, Nd isotope geochemistry of the Variscan Sichevita and Poniasca granitoid plutons (South Carpathians, Romania)***. Autori: Duchesne J. C., Liègeois J. P., Iancu V., Berza T., Matukov I. D., Tatu M., Sergeev S. A. 2008. [International Journal of Earth Sciences](#) (Geol Rundsch), 97 (4), 705-723, FI = 2.084

a fost citată de

1. Dyulgerov M., Ovtcharova-Schaltegger M., Ulianov A., Schaltegger U. 2017. Timing of K-alkaline magmatism in the Balkan segment of southeast European Variscan edifice: ID-TIMS and LA-ICP-MS study. *Int. J. Earth Sci. (Geol. Rundsch.)* <https://doi.org/10.1007/s00531-017-1527-0>

Lucrarea ***The East-Carpathian crystalline-mesozoic zone (Romania): Paleozoic amalgamation of Gondwana - and East European craton-derived terranes***. Autori: [Munteanu, M.](#), [Tatu, M.](#) 2003. [Gondwana Research](#) 6 (2) , pp. 185-196, FI = 5.599

a fost citată de

1. Gawęda A., Burda J., Golonka J., Urs K., David C., Krzysztof S., Wiedenbeck M., (2017). The evolution of Eastern Tornquist-Paleoasian Ocean and subsequent continental collisions: A case study from the Western Tatra Mountains, Central Western Carpathians (Poland). *Gondwana Research*. 48. . 10.1016/j.gr.2017.04.021.

Lucrarea ***Calcic amphibole growth and compositions in calc-alkaline magmas: Evidence from the Motru Dike Swarm (Southern Carpathians, Romania)***. Autori: Féménias O., Mercier J. C. C., Nkono C., Diot H., Berza T., Tatu M., Demaiffe D. 2006. [American Mineralogist](#), 91 (1), 73-81, FI = 1.964

a fost citată de

1. Aslan Z., Erdem D., Temizel I., Arslan M. 2017. SHRIMP U–Pb zircon ages and whole-rock geochemistry for the Şapçı volcanic rocks, Biga Peninsula, Northwest Turkey: implications for pre-eruption crystallization conditions and source characteristics, *International Geology Review*, 59:14, 1764-1785, DOI: 10.1080/00206814.2017.1295282

Lucrarea ***Cl-rich hydrous mafic mineral assemblages in the Highiş massif, Apuseni Mountains, Romania***. Autori: Bonin, B., Tatu, M. 2016. *Mineralogy and Petrology* 110 (4), pp. 447-469 FI = 1.236

a fost citată de

1. Dall'Agnol R., Cunha I. R. V., Guimarães F. V., Oliveira D. C., Teixeira M. F. B. , Feio G. R. L., Lamarão C. N. 2017. Mineralogy, geochemistry, and petrology of Neoproterozoic ferroan to magnesian granites of Carajás Province, Amazonian Craton: The origin of hydrated granites associated with charnockites. *Lithos* 277 (2017) 3–32

Lucrarea ***The neoproterozoic Pan-African basement from the Alpine lower Danubian nappe system (South***

Carpathians, Romania). Autori: [Liégeois J.P.](#), [Berza T.](#), [Tatu M.](#), [Duchesne J.C.](#) 1996. [Precambrian Research](#), 80 (3-4), 281-301, FI = 5.664

a fost citată de

1. Balica C., Balintoni I., Campeanu M. 2017. Tracing collisional route of the Danubian terranes (South Carpathians, Romania), using detrital U-Pb isotopic record. Geophysical Research Abstracts Vol. 19, EGU2017-16342, EGU General Assembly 2017

Lucrarea ***2D modelling of the geoelectric structure in the area of the deep-focus Vrancea earthquakes***, autori: Stănică D., Stănică M., 1998. CERGOP “South Carpathians” Monograph7 (37), 1998, pp. 193–203 (Warszawa)

a fost citată de

1. F. Borleanu , L. De Siena, C. Thomas, M. Popa, M. Radulian, 2017. Seismic scattering and absorption mapping from intermediate-depth earthquakes reveals complex tectonic interactions acting in the Vrancea region and surroundings (Romania), Tectonophysics, 2017, <http://doi.org/10.1016/j.tecto.2017.04.013>

Lucrarea ***Contributions à la connaissance de la structure profonde de la plate-forme Moésienne en Roumanie***. Autori : Visarion M, Săndulescu M, Stănică D, Veliciu S., 1988, St Tehn Econ. Geofiz, 15:68-92a fost citată de

1. Liviu Mațenco, 2017, Tectonics and Exhumation of Romanian Carpathians: Inferences from Kinematic and Thermochronological Studies, Chapter Landform Dynamics and Evolution in Romania, Editors, Maria Radoane, Alfred Vespremeanu-Stroe, Springer Geography , 15-56
2. Craiu, A., Craiu, M., Diaconescu, M. et al., 2017, 2013 Seismic swarm recorded in Galati area, Romania: focal mechanism solutions, Acta Geod Geophys (2017) 52: 53. <https://doi.org/10.1007/s40328-016-0161-9>

Lucrarea ***Lateral detachment in progress within the Vrancea slab (Romania): inferences from intermediate-depth seismicity patterns***, autori: Mitrofan H., Anghelache M.-A., Chitea F., Damian A., Cadicheanu N., Vișan M., Geophysical Journal International, 205, 2, 864-875, 2016, FI= 2.414

a fost citat pt 2017 in:

1. Poiata N., Miyake H., *Broadband ground motion simulation of the 2004 and 1977 Vrancea, Romania, earthquakes using empirical Green's Function method*, Pure and Applied Geophysics, Volume: 174, Issue 9, Pages: 3503–3519, 2017, Factor de impact: 1,591

Lucrarea ***Palaeomagnetism of the South Harghita volcanic rocks of the East Carpathians: implications for tectonic rotations and palaeosecular variation in the past 5 Ma***, autori: Panaiotu CG, Visan M, Tugui A. *Geophysical Journal International*, Volume 189, Issue 1, 1 April 2012, Pages 369–382, <https://doi.org/10.1111/j.1365-246X.2012.05394.x>

a fost citată de:

1. F.Borleanu, L.De Siena, C.Thomas, M.Popa, M.Radulian, Seismic scattering and absorption mapping from intermediate-depth earthquakes reveals complex tectonic interactions acting in the Vrancea region and surroundings (Romania) *Tectonophysics* Volumes 706–707, 5 June 2017, Pages 129-142

Lucrarea ***Une eruption vieille d'environ 10,700 ans (14C) dans les Carpates Orientale (Roumanie)***. autori: Juvigne E., Gewalt M., Gilot E., Hurtgen Ch., Seghedi I.,

Szakács A., Hadnagy A., Gabris G., Horvath E. (1994) C.R.Acad.Sci.Paris, tome 318, serie II, 1233-1238, Paris.

a fost citata de:

1. Turi, Marianna; Palcsu, Laszlo; Papp, Laszlo; et al. ISOTOPE CHARACTERISTICS OF THE WATER AND SEDIMENT IN VOLCANIC LAKE SAINT ANA, EAST-CARPATHIANS, ROMANIA CARPATHIAN JOURNAL OF EARTH AND ENVIRONMENTAL SCIENCES Volume: 11 Issue: 2 Pages: 475-484 Published: AUG 2016
2. Karatson, D.; Wulf, S.; Veres, D.; et al. The latest explosive eruptions of Ciomadul (Csomad) volcano, East Carpathians - A tephrostratigraphic approach for the 51-29 ka BP time interval JOURNAL OF VOLCANOLOGY AND GEOTHERMAL RESEARCH Volume: 319 Pages: 29-51 Published: JUN 1 2016

Lucrarea Vaselli O., Downes H., Thirlwall M., Dobosi G., Coradossi N., Seghedi I., Szakács A. (1995) *Ultramafic xenoliths in Plio-Pleistocene alkali basalts from the Eastern Transylvanian Basin: depleted mantle enriched by vein metasomatism*. Journal of Petrology, 36, 1, 23-53.

a fost citata de:

1. Creon, Laura; Delpech, Guillaume; Rouchon, Virgile; et al. Slab-derived metasomatism in the Carpathian-Pannonian mantle revealed by investigations of mantle xenoliths from the Balcony-Balaton Highland Volcanic Field LITHOS Volume: 286 Pages: 534-552 Published: AUG 2017
2. Prelevic, Dejan; Wehrheim, Simon; Reutter, Magnus; et al. The Late Cretaceous Klepa basalts in Macedonia (FYROM) Constraints on the final stage of Tethys closure in the Balkans TERRA NOVA Volume: 29 Issue: 3 Pages: 145-153 Published: JUN 2017
3. Artur Ionescu, Calin Baci, Boglarka-Mercedesz Kis, Peter E. Sauer, Evaluation of dissolved light hydrocarbons in different geological settings in Romania. Please check if appropriate. Chemical Geology (2017), doi: 10.1016/j.chemgeo.2017.04.017
4. Seghedi, Ioan; Popa, Razvan-Gabriel; Panaiotu, Cristian G.; et al. Short-lived eruptive episodes during the construction of a Na-alkalic basaltic field (Persani Mountains, SE Transylvania, Romania) BULLETIN OF VOLCANOLOGY Volume: 78 Issue: 10 Article Number: 69 Published: OCT 2016
5. Gogus, Oguz H.; Pysklywec, Russell N.; Faccenna, Claudio Postcollisional lithospheric evolution of the Southeast Carpathians: Comparison of geodynamical models and observations TECTONICS Volume: 35 Issue: 5 Pages: 1205-1224 Published: MAY 2016
6. Kovacs, Istvan; Demeny, Attila; Czuppon, Gyorgy; et al. Water concentrations and hydrogen isotope compositions of alkaline basalt-hosted clinopyroxene megacrysts and amphibole clinopyroxenites: the role of structural hydroxyl groups and molecular water CONTRIBUTIONS TO MINERALOGY AND PETROLOGY Volume: 171 Issue: 5 Article Number: 38 Published: MAY 2016
7. Tappe, Sebastian; Smart, Katie A.; Stracke, Andreas; et al. Melt evolution beneath a rifted craton edge: Ar-40/Ar-39 geochronology and Sr-Nd-Hf-Pb isotope systematics of primitive alkaline basalts and lamprophyres from the SW Baltic Shield GEOCHIMICA ET COSMOCHIMICA ACTA Volume: 173 Pages: 1-36 Published: JAN 15 2016
8. Alemayehu, Melesse; Zhang, Hong-Fu; Zhu, Bin; et al. Petrological constraints on evolution of continental lithospheric mantle beneath the northwestern Ethiopian plateau: Insight from mantle xenoliths from the Gundeweyn area, East Gojam, Ethiopia LITHOS Volume: 240 Pages: 295-308 Published: JAN 2016

Lucrarea Downes H., Seghedi I., Szakács A., Dobosi G., James D.E., Vasselli O., Rigby I.J., Ingram G.A., Rex D., Pécskay Z. (1995) ***Petrology and geochemistry of the late Tertiary/Quaternary mafic alkaline volcanism in Romania***. Lithos, 35, 65-81.

a fost citata de:

1. Borleanu, F.; De Siena, L.; Thomas, C.; et al. Seismic scattering and absorption mapping from intermediate-depth earthquakes reveals complex tectonic interactions acting in the Vrancea region and surroundings (Romania) TECTONOPHYSICS Volume: 706 Pages: 129-142 Published: JUN 5 2017
2. Peters, Stefan T. M.; Troll, Valentin R.; Weis, Franz A.; et al. Amphibole megacrysts as a probe into the deep plumbing system of Merapi volcano, Central Java, Indonesia CONTRIBUTIONS TO MINERALOGY AND PETROLOGY Volume: 172 Issue: 4 Article Number: 16 Published: APR 2017
3. Seghedi, Ioan; Popa, Razvan-Gabriel; Panaiotu, Cristian G.; et al. Short-lived eruptive episodes during the construction of a Na-alkalic basaltic field (Persani Mountains, SE Transylvania, Romania) BULLETIN OF VOLCANOLOGY Volume: 78 Issue: 10 Article Number: 69 Published: OCT 2016
4. Gogus, Oguz H.; Pysklywec, Russell N.; Faccenna, Claudio Postcollisional lithospheric evolution of the Southeast Carpathians: Comparison of geodynamical models and observations TECTONICS Volume: 35 Issue: 5 Pages: 1205-1224 Published: MAY 2016
5. Serafimovski, Todor; Tasev, Goran; Palinkas, Sabina Strmic; et al. Porphyry Cu mineralization related to the small Tertiary volcanic intrusions in the Bucim ore deposit, Eastern Macedonia GEOLOGIA CROATICA Volume: 69 Issue: 1 Pages: 101-119 Published: 2016

Lucrarea Mason P., Downes H., Thirlwall M.F., Seghedi I., Szakács A., Lowry D., Matthey D.(1996) ***Crustal assimilation as a major petrogenetic process in the East Carpathian Neogene and Quaternary continental margin arc, Romania***. Journal of Petrology, 37, 4, 927-959

a fost citata de:

1. Dokuz, Abdurrahman; Kulekci, Elif; Aydincaikir, Emre; et al. Cordierite-bearing strongly peraluminous Cebre Rhyolite from the eastern Sakarya Zone, NE Turkey: Constraints on the Variscan Orogeny LITHOS Volume: 278 Pages: 285-302 Published: MAY 2017
2. Fedele, Lorenzo; Seghedi, Ioan; Chung, Sun-Lin; et al. Post-collisional magmatism in the Late Miocene Rodna-Bargau district (East Carpathians, Romania): Geochemical constraints and petrogenetic models LITHOS Volume: 266 Pages: 367-382 Published: DEC 2016
3. Kaygusuz, Abdullah; Arslan, Mehmet; Sipahi, Ferkan; et al. U-Pb zircon chronology and petrogenesis of Carboniferous plutons in the northern part of the Eastern Pontides, NE Turkey: Constraints for Paleozoic magmatism and geodynamic evolution GONDWANA RESEARCH Volume: 39 Pages: 327-346 Published: NOV 2016
4. Anczkiewicz, Aneta Agnieszka; Anczkiewicz, Robert U-Pb zircon geochronology and anomalous Sr-Nd-Hf isotope systematics of late orogenic andesites: Pieniny Klippen Belt, Western Carpathians, South Poland CHEMICAL GEOLOGY Volume: 427 Pages: 1-16 Published: JUN 1 2016
5. Marin, Constantin; Olariu, Andra; Mitrofan, Horia; et al. MAGMA-RELATED ACID GROUNDWATERS SCAVENGE BASE-METALS FROM THE SEDIMENTARY BASEMENT OF THE RECENTLY EXTINCT CIOMADUL VOLCANO Book Group Author(s): SGEM Conference: 16th International Multidisciplinary Scientific

Geoconference (SGEM 2016) Location: Albena, BULGARIA Date: JUN 30-JUL 06, 2016 16TH INTERNATIONAL MULTIDISCIPLINARY SCIENTIFIC GEOCONFERENCE, SGEM 2016: SCIENCE AND TECHNOLOGIES IN GEOLOGY, EXPLORATION AND MINING, VOL III Book Series: International Multidisciplinary Scientific GeoConference-SGEM Pages: 179-186 Published: 2016

6. Nutu-Dragomir, Maria-Lidia; Marin, Constantin; Mitrofan, Horia TRACE ELEMENTS GEOCHEMISTRY INVESTIGATION CONCERNING A CO₂-RICH GROUNDWATER DISCHARGE ON THE EASTERN FLANK OF CIOMADUL VOLCANO (EAST CARPATHIANS, ROMANIA) Book Group Author(s): SGEM Conference: 16th International Multidisciplinary Scientific Geoconference (SGEM 2016) Location: Albena, BULGARIA Date: JUN 30-JUL 06, 2016 16TH INTERNATIONAL MULTIDISCIPLINARY SCIENTIFIC GEOCONFERENCE, SGEM 2016: SCIENCE AND TECHNOLOGIES IN GEOLOGY, EXPLORATION AND MINING, VOL I Book Series: International Multidisciplinary Scientific GeoConference-SGEM Pages: 665-671 Published: 2016
7. Nurlu, Nusret; Parlak, Osman; Robertson, Alastair; et al. Implications of Late Cretaceous U-Pb zircon ages of granitic intrusions cutting ophiolitic and volcanogenic rocks for the assembly of the Tauride allochthon in SE Anatolia (Helete area, Kahramanmaraş Region, SE Turkey) INTERNATIONAL JOURNAL OF EARTH SCIENCES Volume: 105 Issue: 1 Pages: 283-314 Published: JAN 2016

Lucrarea Seghedi, I., Balintoni I., Szakács, A., (1998) ***Interplay of tectonics and Neogene post-collisional magmatism in the Intracarpathian area.*** Lithos, 45, 483-499.

a fost citata de:

1. Borleanu, F.; De Siena, L.; Thomas, C.; et al. Seismic scattering and absorption mapping from intermediate-depth earthquakes reveals complex tectonic interactions acting in the Vrancea region and surroundings (Romania) TECTONOPHYSICS Volume: 706 Pages: 129-142 Published: JUN 5 2017
2. Ducea, Mihai N.; Roban, Relu D. Role Played by Strike-Slip Structures in the Development of Highly Curved Orogens: The Transcarpathian Fault System, South Carpathians JOURNAL OF GEOLOGY Volume: 124 Issue: 4 Pages: 519-527 Published: JUL 2016

Lucrarea Mason P.R.D., Seghedi I., Szakács A., Downes H (1998) ***Magmatic constraints on geodynamic models of subduction in the Eastern Carpathians, Romania.*** Tectonophysics, 297, 157-176.

a fost citata de:

1. Borleanu, F.; De Siena, L.; Thomas, C.; et al. Seismic scattering and absorption mapping from intermediate-depth earthquakes reveals complex tectonic interactions acting in the Vrancea region and surroundings (Romania) TECTONOPHYSICS Volume: 706 Pages: 129-142 Published: JUN 5 2017
2. Fedele, Lorenzo; Seghedi, Ioan; Chung, Sun-Lin; et al Post-collisional magmatism in the Late Miocene Rodna-Bargau district (East Carpathians, Romania): Geochemical constraints and petrogenetic models LITHOS Volume: 266 Pages: 367-382 Published: DEC 2016
3. Wulf, Sabine; Fedorowicz, Stanislaw; Veres, Daniel; et al. The "Roxolany Tephra" (Ukraine) - new evidence for an origin from Ciomadul volcano, East Carpathians JOURNAL OF QUATERNARY SCIENCE Volume: 31 Issue: 6 Pages: 565-576 Published: AUG 2016

4. Turi, Marianna; Palcsu, Laszlo; Papp, Laszlo; et al. ISOTOPE CHARACTERISTICS OF THE WATER AND SEDIMENT IN VOLCANIC LAKE SAINT ANA, EAST-CARPATHIANS, ROMANIA CARPATHIAN JOURNAL OF EARTH AND ENVIRONMENTAL SCIENCES Volume: 11 Issue: 2 Pages: 475-484 Published: AUG 2016
5. Baksheev, Ivan A.; Damian, Floarea; Damian, Gheorghe; et al. CHEMICAL COMPOSITION OF PHLOGOPITE, TOURMALINE AND ILLITE FROM HYDROTHERMAL ALTERATIONS OF THE NISTRU DEPOSIT, BAIA MARE, ROMANIA CARPATHIAN JOURNAL OF EARTH AND ENVIRONMENTAL SCIENCES Volume: 11 Issue: 2 Pages: 547-564 Published: AUG 2016
6. Karatson, D.; Wulf, S.; Veres, D.; et al. The latest explosive eruptions of Ciomadul (Csomad) volcano, East Carpathians - A tephrostratigraphic approach for the 51-29 ka BP time interval JOURNAL OF VOLCANOLOGY AND GEOTHERMAL RESEARCH Volume: 319 Pages: 29-51 Published: JUN 1 2016
7. Mitrofan, Horia; Anghelache, Mirela-Adriana; Chitea, Florina; et al. Lateral detachment in progress within the Vrancea slab (Romania): inferences from intermediate-depth seismicity patterns GEOPHYSICAL JOURNAL INTERNATIONAL Volume: 205 Issue: 2 Pages: 864-875 Published: MAY 1 2016
8. Laiena, Fabio; Fedele, Lorenzo; Seghedi, Ioan; et al. Petrochemical characterization of the upper Miocene Rodna-Bargau subvolcanic district (Eastern Carpathians) RENDICONTI ONLINE SOCIETA GEOLOGICA ITALIANA Volume: 39 Pages: 142-145 Published: MAR 201

Lucrarea Pécskay Z., Seghedi I., Downes H., Prychodko M., Mackiv B. (2000) *K/Ar dating of Neogene Calc-Alkaline rocks from Transcarpathian Ukraine*. Geologica Carpathica, 51, 2, 83-89

a fost citata de:

1. Shrubovych, Julia; Sterzynska, Maria Diversity and distributional pattern of soil microarthropods (Protura) across a transitional zone in Ukraine CANADIAN ENTOMOLOGIST Volume: 149 Issue: 5 Pages: 628-638 Published: OCT 2017
2. Anczkiewicz, Aneta Agnieszka; Anczkiewicz, Robert U-Pb zircon geochronology and anomalous Sr-Nd-Hf isotope systematics of late orogenic andesites: Pieniny Klippen Belt, Western Carpathians, South Poland CHEMICAL GEOLOGY Volume: 427 Pages: 1-16 Published: JUN 1 201

Lucrarea Seghedi I., Downes H., Pécskay Z., Thirlwall M.F., Szakács A., Prychodko M., Matthey D. (2001) *Magma genesis in a subduction-related post-collisional volcanic arc segment: The Ukrainian Carpathians*. Lithos 57 (4), 237-262.

a fost citata de:

1. Li, Di; He, Dengfa; Lian, Yichi; et al. Structural evolution and late Carboniferous magmatism of the Zhongguai arc in the western Junggar Basin, Northwest China: implications for tectonic evolution of the Junggar Ocean INTERNATIONAL GEOLOGY REVIEW Volume: 59 Issue: 10 Special Issue: SI Pages: 1234-1255 Published: 2017
2. Li, Di; He, Dengfa; Tang, Yong. Reconstructing multiple arc-basin systems in the Altai-Junggar area (NW China): Implications for the architecture and evolution of the western Central Asian Orogenic Belt JOURNAL OF ASIAN EARTH SCIENCES Volume: 121 Pages: 84-107 Published: MAY 1 2016
3. Ahmed, Ahmed Hassan; Gharib, Moustafa Esmail Porphyry Cu mineralization in the eastern desert of Egypt: inference from geochemistry, alteration zones, and ore

mineralogy ARABIAN JOURNAL OF GEOSCIENCES Volume: 9 Issue: 3
Article Number: 179 Published: MAR 2016

4. Qian, Xin; Feng, Qinglai; Wang, Yuejun; et al. Geochronological and geochemical constraints on the mafic rocks along the Luang Prabang zone: Carboniferous back-arc setting in northwest Laos LITHOS Volume: 245 Special Issue: SI Pages: 60-75 Published: FEB 15 2016

Lucrarea Vaselli O., Minissale A., Tassi F., Magro G., Seghedi I., Ioane D., Szakács A., 2002. *A geochemical traverse across the Eastern Carpathians (Romania): constraints on the origin and evolution of the mineral water and gas discharges.* Chemical Geology, 182, 637-654.

a fost citata de:

1. Koh, Dong-Chan; Genereux, David P.; Koh, Gi-Won; et al. Relationship of groundwater geochemistry and flow to volcanic stratigraphy in basaltic aquifers affected by magmatic CO₂, Jeju Island, Korea CHEMICAL GEOLOGY Volume: 467 Pages: 143-158 Published: SEP 20 2017
2. Kis, Boglarka-Mercedesz; Ionescu, Artur; Cardellini, Carlo; et al. Quantification of carbon dioxide emissions of Ciomadul, the youngest volcano of the Carpathian-Pannonian Region (Eastern-Central Europe, Romania) JOURNAL OF VOLCANOLOGY AND GEOTHERMAL RESEARCH Volume: 341 Pages: 119-130 Published: JUL 15 2017
3. Turi, Marianna; Palcsu, Laszlo; Papp, Laszlo; et al. ISOTOPE CHARACTERISTICS OF THE WATER AND SEDIMENT IN VOLCANIC LAKE SAINT ANA, EAST-CARPATHIANS, ROMANIA CARPATHIAN JOURNAL OF EARTH AND ENVIRONMENTAL SCIENCES Volume: 11 Issue: 2 Pages: 475-484 Published: AUG 2016
4. Karatson, D.; Wulf, S.; Veres, D.; et al. The latest explosive eruptions of Ciomadul (Csomad) volcano, East Carpathians - A tephrostratigraphic approach for the 51-29 ka BP time interval JOURNAL OF VOLCANOLOGY AND GEOTHERMAL RESEARCH Volume: 319 Pages: 29-51 Published: JUN 1 2016
5. Incze, R.; Papp, B.; Burghel, B. D.; et al. FOLLOW-UP MEASUREMENTS TO ESTIMATE THE EXPOSURE OF PATIENTS TO THE MOFETTES FROM COVASNA COUNTY (ROMANIA) ROMANIAN JOURNAL OF PHYSICS Volume: 61 Issue: 7-8 Pages: 1320-1329 Published: 201

Lucrarea Seghedi I., Downes H., Szakács A., Mason P. R. D., Thirlwall M. F., Roşu E., Pécskay Z., Márton E., Panaiotu C. (2004) *Neogene - Quaternary magmatism and geodynamics in the Carpathian-Pannonian region: a synthesis.* Lithos 72, 117-146.

a fost citata de:

1. Szepesi, Janos; Harangi, Szabolcs; Esik, Zsuzsanna; et al. Volcanic Geoheritage and Geotourism Perspectives in Hungary: a Case of an UNESCO World Heritage Site, Tokaj Wine Region Historic Cultural Landscape, Hungary GEOHERITAGE Volume: 9, Issue: 3 Pages: 329-349 Published: SEP 2017
2. Wang, Jian; Hattori, Keiko; Liu, Jianguo; et al. Shoshonitic- and adakitic magmatism of the Early Paleozoic age in the Western Kunlun orogenic belt, NW China: Implications for the early evolution of the northwestern Tibetan plateau LITHOS Volume: 286 Pages: 345-362 Published: AUG 2017
3. Gallhofer, Daniela; von Quadt, Albrecht; Schmid, Stefan M.; et al. Magmatic and tectonic history of Jurassic ophiolites and associated granitoids from the South Apuseni Mountains (Romania) SWISS JOURNAL OF GEOSCIENCES Volume: 110 Issue: 2 Pages: 699-719 Published: MAY-JUN 2017

4. Ntaflos, Theo; Bizimis, Michael; Abart, Rainer Mantle xenoliths from Szentbekalla, Balaton: Geochemical and petrological constraints on the evolution of the lithospheric mantle underneath Pannonian Basin, Hungary, LITHOS Volume: 276 Special Issue: SI Pages: 30-44 Published: APR 1 2017
5. Fedele, Lorenzo; Seghedi, Ioan; Chung, Sun-Lin; et al. Post-collisional magmatism in the Late Miocene Rodna-Bargau district (East Carpathians, Romania): Geochemical constraints and petrogenetic models LITHOS Volume: 266 Pages: 367-382 Published: DEC 2016
6. Buyukkahraman, Gokhan. Petrology of Eocene volcanic rocks from the Central Sakarya Zone (northwestern Anatolia, Turkey): new evidence from Ar-Ar and Sr-Nd isotope determinations ARABIAN JOURNAL OF GEOSCIENCES Volume: 9 Issue: 16 Article Number: UNSP 675 Published: OCT 2016
7. Seghedi, Ioan; Popa, Razvan-Gabriel; Panaiotu, Cristian G.; et al. Short-lived eruptive episodes during the construction of a Na-alkalic basaltic field (Persani Mountains, SE Transylvania, Romania) BULLETIN OF VOLCANOLOGY Volume: 78 Issue: 10 Article Number: 69 Published: OCT 2016
8. Wulf, Sabine; Fedorowicz, Stanislaw; Veres, Daniel; et al. The "Roxolany Tephra" (Ukraine) - new evidence for an origin from Ciomadul volcano, East Carpathians JOURNAL OF QUATERNARY SCIENCE Volume: 31 Issue: 6 Pages: 565-576 Published: AUG 2016
9. Baksheev, Ivan A.; Damian, Floarea; Damian, Gheorghe; et al. CHEMICAL COMPOSITION OF PHLOGOPITE, TOURMALINE AND ILLITE FROM HYDROTHERMAL ALTERATIONS OF THE NISTRU DEPOSIT, BAIJA MARE, ROMANIA CARPATHIAN JOURNAL OF EARTH AND ENVIRONMENTAL SCIENCES Volume: 11 Issue: 2 Pages: 547-564 Published: AUG 2016
10. Karatson, D.; Wulf, S.; Veres, D.; et al. The latest explosive eruptions of Ciomadul (Csomad) volcano, East Carpathians - A tephrostratigraphic approach for the 51-29 ka BP time interval JOURNAL OF VOLCANOLOGY AND GEOTHERMAL RESEARCH Volume: 319 Pages: 29-51 Published: JUN 1 2016
11. Anczkiewicz, Aneta Agnieszka; Anczkiewicz, Robert U-Pb zircon geochronology and anomalous Sr-Nd-Hf isotope systematics of late orogenic andesites: Pieniny Klippen Belt, Western Carpathians, South Poland CHEMICAL GEOLOGY Volume: 427 Pages: 1-16 Published: JUN 1 2016
12. Mitrofan, Horia; Anghelache, Mirela-Adriana; Chitea, Florina; et al. Lateral detachment in progress within the Vrancea slab (Romania): inferences from intermediate-depth seismicity patterns GEOPHYSICAL JOURNAL INTERNATIONAL Volume: 205 Issue: 2 Pages: 864-875 Published: MAY 1 2016
13. Zhang, Yuzhi; Wang, Yuejun Early Neoproterozoic (similar to 840 Ma) arc magmatism: Geochronological and geochemical constraints on the metabasites in the Central Jiangnan Orogen PRECAMBRIAN RESEARCH Volume: 275 Pages: 1-17 Published: APR 2016
14. Visan, Madalina; Panaiotu, Cristian G.; Necula, Cristian; et al. Palaeomagnetism of the Upper Miocene-Lower Pliocene lavas from the East Carpathians: contribution to the paleosecular variation of geomagnetic field SCIENTIFIC REPORTS Volume: 6 Article Number: 23411 Published: MAR 21 2016
15. Tasarova, Zuzana Alasonati; Fulla, Javier; Bielik, Miroslav; et al. Lithospheric structure of Central Europe: Puzzle pieces from Pannonian Basin to Trans-European Suture Zone resolved by geophysical-petrological modeling TECTONICS Volume: 35 Issue: 3 Pages: 722-753 Published: MAR 2016
16. Qian, Xin; Feng, Qinglai; Wang, Yuejun; et al. Geochronological and geochemical constraints on the mafic rocks along the Luang Prabang zone: Carboniferous back-

arc setting in northwest Laos LITHOS Volume: 245 Special Issue: SI Pages: 60-75 Published: FEB 15 2016

17. Buzatu, Andrei; Dill, Harald G.; Buzgar, Nicolae; et al. Efflorescent sulfates from Baia Sprie mining area (Romania) - Acid mine drainage and climatological approach SCIENCE OF THE TOTAL ENVIRONMENT Volume: 542 Pages: 629-641 Part: A Published: JAN 15 2016
18. Apopei, Andrei Ionut; Damian, Gheorghe; Buzgar, Nicolae; et al. Mineralogy and geochemistry of Pb-Sb/As-sulfosalts from Coranda-Hondol ore deposit (Romania) - Conditions of telluride deposition ORE GEOLOGY REVIEWS Volume: 72 Pages: 857-873 Part: 1 Published: JAN 2016

Lucrarea Panaiotu C. G., Pécskay Z., Hambach U., Seghedi I. Panaiotu, Itaya C. E. T., Orleanu M., Szakács A. (2004) *Short-lived Quaternary volcanism in the Persani Mountains (Romania) revealed by combined K-Ar and paleomagnetic data*. Geologica Carpathica 55, 4, 333-339

a fost citata de:

1. Seghedi, Ioan; Popa, Razvan-Gabriel; Panaiotu, Cristian G.; et al. Short-lived eruptive episodes during the construction of a Na-alkalic basaltic field (Persani Mountains, SE Transylvania, Romania) BULLETIN OF VOLCANOLOGY Volume: 78 Issue: 10 Article Number: 69 Published: OCT 2016
2. Kovacs, Istvan; Demeny, Attila; Czuppon, Gyorgy; et al. Water concentrations and hydrogen isotope compositions of alkaline basalt-hosted clinopyroxene megacrysts and amphibole clinopyroxenites: the role of structural hydroxyl groups and molecular water CONTRIBUTIONS TO MINERALOGY AND PETROLOGY Volume: 171 Issue: 5 Article Number: 38 Published: MAY 2016

Lucrarea Seghedi I., Downes H., Vaselli O., Szakács A., Kad. Balogh, Pécskay Z (2004) *Post-collisional Tertiary-Quaternary mafic alkalic magmatism in the Carpathian-Pannonian region: a review*. Tectonophysics 393, 43-62

a fost citata de:

1. Pouclet, Andre; El Hadi, Hassan; Bardintzeff, Jacques-Marie; et al. Devonian to Early Carboniferous magmatic alkaline activity in the Tafilalt Province, Eastern Morocco: An Eovariscan episode in the Gondwana margin, north of the West African Craton JOURNAL OF AFRICAN EARTH SCIENCES Volume: 129 Pages: 814-841 Published: MAY 2017
2. Huraiova, Monika; Konecny, Patrik; Holicky, Ivan; et al. Mineralogy and origin of peralkaline granite-syenite nodules ejected in Pleistocene basalt from Bulhary, southern Slovakia PERIODICO DI MINERALOGIA Volume: 86 Issue: 1 Pages: 1-17 Published: APR 2017
3. Jankovics, M. Eva; Taracsak, Zoltan; Dobosi, Gabor; et al. Clinopyroxene with diverse origins in alkaline basalts from the western Pannonian Basin: Implications from trace element characteristics LITHOS Volume: 262 Pages: 120-134 Published: OCT 1 2016
4. Granado, P.; Thoeny, W.; Carrera, N.; et al. Basement-involved reactivation in foreland fold-and-thrust belts: the Alpine-Carpathian Junction (Austria) GEOLOGICAL MAGAZINE Volume: 153 Issue: 5-6 Pages: 1110-1135 Published: SEP 2016
5. Anczkiewicz, Aneta Agnieszka; Anczkiewicz, Robert U-Pb zircon geochronology and anomalous Sr-Nd-Hf isotope systematics of late orogenic andesites: Pieniny Klippen Belt, Western Carpathians, South Poland CHEMICAL GEOLOGY Volume: 427 Pages: 1-16 Published: JUN 1 2016

Lucrarea Papp D. P., Ureche I., Seghedi I., Downes H., Dallai L. (2005) ***Petrogenesis of convergent margin calc-alkaline rocks and the significance of low-isotope oxygen ratio: the Rodna-Bârgău Neogene subvolcanic area (Eastern Carpathians)***. *Geologica Carpathica* 56, 77-90.

a fost citata de:

1. Fedele, Lorenzo; Seghedi, Ioan; Chung, Sun-Lin; et al. Post-collisional magmatism in the Late Miocene Rodna-Bargau district (East Carpathians, Romania): Geochemical constraints and petrogenetic models *LITHOS* Volume: 266 Pages: 367-382 Published: DEC 2016
2. Laiena, Fabio; Fedele, Lorenzo; Seghedi, Ioan; et al. Petrochemical characterization of the upper Miocene Rodna-Bargau subvolcanic district (Eastern Carpathians) *RENDICONTI ONLINE SOCIETA GEOLOGICA ITALIANA* Volume: 39 Pages: 142-145 Published: MAR 2016

Lucrarea Roșu E., Seghedi I., Downes H., Alderton D.H.M., Szakács A., Pécskay Z., Panaiotu C., Panaiotu C.E., Nedelcu L. (2004). ***Extension-related Miocene calc-alkaline magmatism in the Apuseni Mountains, Romania: origin of magmas***. *Swiss Bulletin of Mineralogy and Petrology*, 84/1-2,153-172

a fost citata de:

1. Gallhofer, Daniela; von Quadt, Albrecht; Schmid, Stefan M.; et al. Magmatic and tectonic history of Jurassic ophiolites and associated granitoids from the South Apuseni Mountains (Romania) *SWISS JOURNAL OF GEOSCIENCES* Volume: 110 Issue: 2 Pages: 699-719 Published: MAY-JUN 2017
2. Apopei, Andrei Ionut; Damian, Gheorghe; Buzgar, Nicolae; et al. Mineralogy and geochemistry of Pb-Sb/As-sulfosalts from Coranda-Hondol ore deposit (Romania) - Conditions of telluride deposition *ORE GEOLOGY REVIEWS* Volume: 72 Pages: 857-873 Part: 1 Published: JAN 2016

Lucrarea Seghedi I., Szakács A., Pécskay Z., Mason P. R. D. (2005) ***Eruptive history and age of magmatic processes in the Călimani volcanic structure (Romania)***. *Geologica Carpathica* 56, 67-75

a fost citata de:

1. Szakacs, Alexandru; Chirita, Viorel Protected Natural Values of Geoharitage Interest in the Calimani National Park, Eastern Carpathians, Romania *GEOHERITAGE* Volume: 9 Issue: 3 Pages: 421-434 Published: SEP 2017
2. Fedele, Lorenzo; Seghedi, Ioan; Chung, Sun-Lin; et al. Post-collisional magmatism in the Late Miocene Rodna-Bargau district (East Carpathians, Romania): Geochemical constraints and petrogenetic models *LITHOS* Volume: 266 Pages: 367-382 Published: DEC 2016

Lucrarea Fielitz W., Seghedi I. 2005. ***Late Miocene - Quaternary volcanism, tectonics and drainage system evolution in the East Carpathians, Romania***. *Tectonophysics* 410,111-136

a fost citata de:

1. Karatson, D.; Wulf, S.; Veres, D.; et al. The latest explosive eruptions of Ciomadul (Csomad) volcano, East Carpathians - A tephrostratigraphic approach for the 51-29 ka BP time interval *JOURNAL OF VOLCANOLOGY AND GEOTHERMAL RESEARCH* Volume: 319 Pages: 29-51 Published: JUN 1 2016

Lucrarea Seghedi I., Downes H., Harangi Sz., Mason P., Pécskay Z. 2005. ***Geochemical response of magmas to Neogene-Quaternary continental collision in the Carpathian-Pannonian region: a review.*** Tectonophysics 410, 485-499.

a fost citata de:

1. Szepesi, Janos; Harangi, Szabolcs; Esik, Zsuzsanna; et al. Volcanic Geoheritage and Geotourism Perspectives in Hungary: a Case of an UNESCO World Heritage Site, Tokaj Wine Region Historic Cultural Landscape, Hungary GEOHERITAGE Volume: 9 Issue: 3 Pages: 329-349 Published: SEP 2017
2. Shen, Ping; Pan, Hongdi; Seitmuratova, Eleonora Petrogenesis of the mineralized granitoids from the Kounrad and Borly porphyry Cu deposits and the East Kounrad porphyry Mo deposit in Kazakhstan: Implication for tectonic evolution and mineralization of the western part of the Central Asian Orogenic Belt LITHOS Volume: 286 Pages: 53-74 Published: AUG 2017
3. Borleanu, F.; De Siena, L.; Thomas, C.; et al. Seismic scattering and absorption mapping from intermediate-depth earthquakes reveals complex tectonic interactions acting in the Vrancea region and surroundings (Romania) TECTONOPHYSICS Volume: 706 Pages: 129-142 Published: JUN 5 2017
4. Baksheev, Ivan A.; Damian, Floarea; Damian, Gheorghe; et al. CHEMICAL COMPOSITION OF PHLOGOPITE, TOURMALINE AND ILLITE FROM HYDROTHERMAL ALTERATIONS OF THE NISTRU DEPOSIT, BAIA MARE, ROMANIA CARPATHIAN JOURNAL OF EARTH AND ENVIRONMENTAL SCIENCES Volume: 11 Issue: 2 Pages: 547-564 Published: AUG 2016
5. Gogus, Oguz H.; Pysklywec, Russell N.; Faccenna, Claudio Postcollisional lithospheric evolution of the Southeast Carpathians: Comparison of geodynamical models and observations TECTONICS Volume: 35 Issue: 5 Pages: 1205-1224 Published: MAY 2016
6. Smigielski, M.; Sinclair, H. D.; Stuart, F. M.; et al. Exhumation history of the Tatra Mountains, Western Carpathians, constrained by low-temperature thermochronology TECTONICS Volume: 35 Issue: 1 Pages: 187-207 Published: JAN 2016

Lucrarea Pécskay Z., Lexa J., Szakács A., Seghedi I., Balogh K., Konečný V., Zelenka T., Kovacs M., Póka T., Fülöp A., Márton E., Panaiotu C. and Cvetković V. 2006. ***Geochronology of Neogene-Quaternary magmatism in the Carpathian arc and Intra-Carpathian area: a review.*** Geologica Carpathica, 57, 6, 511-530

a fost citata de:

1. Kohut, Milan; Danisik, Martin Rapid cooling and geospeedometry of granitic rocks exhumation within a volcanic arc: A case study from the Central Slovakian Neovolcanic Field (Western Carpathians) ISLAND ARC Volume: 26 Issue: 5 Article Number: e12201 Published: SEP 2017
2. Szakacs, Alexandru; Chirita, Viorel Protected Natural Values of Geoheritage Interest in the Climani National Park, Eastern Carpathians, Romania GEOHERITAGE Volume: 9 Issue: 3 Pages: 421-434 Published: SEP 2017
3. Kelemen, Peter; Dunkl, Istvan; Csillag, Gabor; et al. Tracing multiple re-sedimentation on an isolated karstified plateau: The bauxite-bearing Miocene red clay of the Southern Bakony Mountains, Hungary SEDIMENTARY GEOLOGY Volume: 358 Pages: 84-96 Published: AUG 1 2017
4. Kovac, Michal; Marton, Emo; Oszczytko, Nestor; et al. Neogene palaeogeography and basin evolution of the Western Carpathians, Northern Pannonian domain and adjoining areas GLOBAL AND PLANETARY CHANGE Volume: 155 Pages: 133-154 Published: AUG 2017
5. Stojadinovic, Uros; Matenco, Liviu; Andriessen, Paul; et al. Structure and provenance of Late Cretaceous-Miocene sediments located near the NE Dinarides margin:

- Inferences from kinematics of orogenic building and subsequent extensional collapse TECTONOPHYSICS Volume: 710 Special Issue: SI Pages: 184-204 Published: JUL 25 2017
6. Kis, Boglarka-Mercedesz; Ionescu, Artur; Cardellini, Carlo; et al. Quantification of carbon dioxide emissions of Ciomadul, the youngest volcano of the Carpathian-Pannonian Region (Eastern-Central Europe, Romania) JOURNAL OF VOLCANOLOGY AND GEOTHERMAL RESEARCH Volume: 341 Pages: 119-130 Published: JUL 15 2017
 7. Biro, Tamas; Kovacs, Istvan Janos; Karatson, David; et al. Evidence for post-depositional diffusional loss of hydrogen in quartz phenocryst fragments within ignimbrites AMERICAN MINERALOGIST Volume: 102 Issue: 6 Pages: 1187-1201 Published: JUN 2017
 8. Huraiova, Monika; Konecny, Patrik; Holicky, Ivan; et al. Mineralogy and origin of peralkaline granite-syenite nodules ejected in Pleistocene basalt from Bulhary, southern Slovakia PERIODICO DI MINERALOGIA Volume: 86 Issue: 1 Pages: 1-17 Published: APR 2017
 9. Artur Ionescu, Calin Baci, Boglarka-Mercedesz Kis, Peter E. Sauer, Evaluation of dissolved light hydrocarbons in different geological settings in Romania. Please check if appropriate. Chemical Geology (2017), doi: 10.1016/j.chemgeo.2017.04.017
 10. Fedele, Lorenzo; Seghedi, Ioan; Chung, Sun-Lin; et al. Post-collisional magmatism in the Late Miocene Rodna-Bargau district (East Carpathians, Romania): Geochemical constraints and petrogenetic models LITHOS Volume: 266 Pages: 367-382 Published: DEC 2016
 11. Wulf, Sabine; Fedorowicz, Stanislaw; Veres, Daniel; et al. The "Roxolany Tephra" (Ukraine) - new evidence for an origin from Ciomadul volcano, East Carpathians JOURNAL OF QUATERNARY SCIENCE Volume: 31 Issue: 6 Pages: 565-576 Published: AUG 2016
 12. Balazs, A.; Matenco, L.; Magyar, I.; et al. The link between tectonics and sedimentation in back-arc basins: New genetic constraints from the analysis of the Pannonian Basin TECTONICS Volume: 35 Issue: 6 Pages: 1526-1559 Published: JUN 2016
 13. Karatson, D.; Wulf, S.; Veres, D.; et al. The latest explosive eruptions of Ciomadul (Csomad) volcano, East Carpathians - A tephrostratigraphic approach for the 51-29 ka BP time interval JOURNAL OF VOLCANOLOGY AND GEOTHERMAL RESEARCH Volume: 319 Pages: 29-51 Published: JUN 1 2016
 14. Anczkiewicz, Aneta Agnieszka; Anczkiewicz, Robert U-Pb zircon geochronology and anomalous Sr-Nd-Hf isotope systematics of late orogenic andesites: Pieniny Klippen Belt, Western Carpathians, South Poland CHEMICAL GEOLOGY Volume: 427 Pages: 1-16 Published: JUN 1 2016
 15. Visan, Madalina; Panaiotu, Cristian G.; Necula, Cristian; et al. Palaeomagnetism of the Upper Miocene-Lower Pliocene lavas from the East Carpathians: contribution to the paleosecular variation of geomagnetic field SCIENTIFIC REPORTS Volume: 6 Article Number: 23411 Published: MAR 21 2016
 16. Laiena, Fabio; Fedele, Lorenzo; Seghedi, Ioan; et al. Petrochemical characterization of the upper Miocene Rodna-Bargau subvolcanic district (Eastern Carpathians) RENDICONTI ONLINE SOCIETA GEOLOGICA ITALIANA Volume: 39 Pages: 142-145 Published: MAR 2016
 17. Tomek, Filip; Zak, Jiri; Holub, Frantisek V.; et al. Growth of intra-caldera lava domes controlled by various modes of caldera collapse, the Stiavnica volcano-plutonic complex, Western Carpathians JOURNAL OF VOLCANOLOGY AND

18. Tomáš Klučiar, Michal Kováč, Rastislav Vojtko, Samuel Rybár, Michal Šujan & Silvia Králiková, The Hurbanovo–Diösjenő Fault: A crustal-scale weakness zone at the boundary between the Central Western Carpathians and Northern Pannonian Domain. ACTA GEOLOGICA SLOVACA, 8(1), 2016, 59–70 59

Lucrarea Seghedi I., Szakács A., Pacheco A. H., Brändle Matesanz J.-L. 2007. *Miocene Lamproite Volcanoes in south-eastern Spain – an association of phreatomagmatic and magmatic products*. Journal of Volcanology and Geothermal Research., 159, 210-224.

a fost citata de:

1. Cambeses, A.; Garcia-Casco, A.; Scarrow, J. H.; et al. Mineralogical evidence for lamproite magma mixing and storage at mantle depths: Socovos fault lamproites, SE Spain LITHOS Volume: 266 Pages: 182-201 Published: DEC 2016

Lucrarea Seghedi I., Bojar A.-V., Downes H., Roşu E., Tonarini S., Mason P., 2007. *Generation of normal and adakite-like calc alkaline magmas in a non-subductional environment: A Sr-O-H Isotopic Study of the Apuseni Mountains Neogene magmatic Province, Romania*. Chemical Geology 245, 70-88

a fost citata de:

1. Yang, Yu-Long; Ni, Pei; Pan, Jun-Yi; et al. Constraints on the mineralization processes of the Makeng iron deposit, eastern China: Fluid inclusion, H-O isotope and magnetite trace element analysis ORE GEOLOGY REVIEWS Volume: 88
2. Laiena, Fabio; Fedele, Lorenzo; Seghedi, Ioan; et al. Petrochemical characterization of the upper Miocene Rodna-Bargau subvolcanic district (Eastern Carpathians) RENDICONTI ONLINE SOCIETA GEOLOGICA ITALIANA Volume: 39 Pages: 142-145 Published: MAR 2016
3. Xia, Yan; Xu, Xisheng; Liu, Lei Transition from adakitic to bimodal magmatism induced by the paleo-Pacific plate subduction and slab rollback beneath SE China: Evidence from petrogenesis and tectonic setting of the dike swarms LITHOS Volume: 244 Pages: 182-204 Published: FEB 1 2016

Lucrarea Pécskay Z., Seghedi I., Kovacs M., Szakács A., Fülöp A. (2009) *Geochronology of the Neogene calc-alkaline intrusive magmatism in the “Subvolcanic Zone” of the Eastern Carpathians (Romania)*. Geologica Carpathica 60, 2,181-190.

a fost citata de:

1. Fedele, Lorenzo; Seghedi, Ioan; Chung, Sun-Lin; et al. Post-collisional magmatism in the Late Miocene Rodna-Bargau district (East Carpathians, Romania): Geochemical constraints and petrogenetic models LITHOS Volume: 266 Pages: 367-382 Published: DEC 2016
2. Laiena, Fabio; Fedele, Lorenzo; Seghedi, Ioan; et al. Petrochemical characterization of the upper Miocene Rodna-Bargau subvolcanic district (Eastern Carpathians) RENDICONTI ONLINE SOCIETA GEOLOGICA ITALIANA Volume: 39 Pages: 142-145 Published: MAR 2016

Lucrarea Seghedi I., Maicher D., Kurszlaukis S. (2009) *Volcanology of Tuzo pipe (Gahcho Kué cluster) — Root-diatreme processes re-interpreted*. Lithos 112S (2009) 553–565

a fost citata de:

1. Re, Giuseppe; White, James D. L.; Muirhead, James D.; et al. Subterranean fragmentation of magma during conduit initiation and evolution in the shallow

plumbing system of the small-volume Jagged Rocks volcanoes (Hopi Buttes Volcanic Field, Arizona, USA) BULLETIN OF VOLCANOLOGY Volume: 78 Issue: 8 Article Number: 55 Published: AUG 2016

Lucrarea Lexa, J., Seghedi, I., Németh, K., Szakács, A., Konecný, V., Pécskay, Z., Fülöp, A., Kovacs, M. (2010) *Neogene-Quaternary Volcanic forms in the Carpathian-Pannonian Region: a review*. Central European Journal of Geosciences, Volume 2, Number 3/SEPTEMBER 2010 “New advances of understanding physical volcanology processes in the Carpathian-Balkan Region from a global perspective”, 207-270, DOI10.2478/v10085-010-0025-4;

a fost citata de:

1. Szepesi, Janos; Harangi, Szabolcs; Esik, Zsuzsanna; et al. Volcanic Geoheritage and Geotourism Perspectives in Hungary: a Case of an UNESCO World Heritage Site, Tokaj Wine Region Historic Cultural Landscape, Hungary GEOHERITAGE Volume: 9 Issue: 3 Pages: 329-349 Published: SEP 2017
2. Kovac, Michal; Marton, Emo; Oszczytko, Nestor; et al. Neogene palaeogeography and basin evolution of the Western Carpathians, Northern Pannonian domain and adjoining areas GLOBAL AND PLANETARY CHANGE Volume: 155 Pages: 133-154 Published: AUG 2017
3. Fulop, Alexandrina; Kurszlaukis, Stephan Monogenetic v. polygenetic kimberlite volcanism: in-depth examination of the Tango Extension Super Structure, Attawapiskat kimberlite field, Ontario, Canada Edited by: Nemeth, K; CarrascoNunez, G; ArandaGomez, JJ; et al. MONOGENETIC VOLCANISM Book Series: Geological Society Special Publication Volume: 446 Pages: 205-224 Published: 2017
4. Seghedi, Ioan; Popa, Razvan-Gabriel; Panaiotu, Cristian G.; et al. Short-lived eruptive episodes during the construction of a Na-alkalic basaltic field (Persani Mountains, SE Transylvania, Romania) BULLETIN OF VOLCANOLOGY Volume: 78 Issue: 10 Article Number: 69 Published: OCT 2016
5. Anczkiewicz, Aneta Agnieszka; Anczkiewicz, Robert U-Pb zircon geochronology and anomalous Sr-Nd-Hf isotope systematics of late orogenic andesites: Pieniny Klippen Belt, Western Carpathians, South Poland CHEMICAL GEOLOGY Volume: 427 Pages: 1-16 Published: JUN 1 2016
6. Tomek, Filip; Zak, Jiri; Holub, Frantisek V.; et al. Growth of intra-caldera lava domes controlled by various modes of caldera collapse, the Stiavnica volcano-plutonic complex, Western Carpathians JOURNAL OF VOLCANOLOGY AND GEOTHERMAL RESEARCH Volume: 311 Pages: 183-197 Published: FEB 1 2016
7. Moufti, Mohammed Rashad; Nemeth, Karoly Harrat Rahat: The Geoheritage Value of the Youngest Long-Lived Volcanic Field in the Kingdom of Saudi Arabia Book Author(s): Moufti, MR; Nemeth, K GEOHERITAGE OF VOLCANIC HARRATS IN SAUDI ARABIA Book Series: Geoheritage Geoparks and Geotourism Pages: 33-120 Published: 2016
8. Bella, Pavel; Gaal, L'udovit; Sucha, Vladimir; et al. Hydrothermal speleogenesis in carbonates and metasomatic silicites induced by subvolcanic intrusions: a case study from the Stiavnicke vrchy Mountains, Slovakia INTERNATIONAL JOURNAL OF SPELEOLOGY Volume: 45 Issue: 1 Pages: 11-25 Published: JAN 2016

Lucrarea Seghedi, I., Maţenco L., Downes, H., Mason, P.R.D., Szakács, A., Pécskay, Z., 2011: *Tectonic significance of changes in post-subduction Pliocene-Quaternary magmatism in the south east part of the Carpathian-Pannonian Region*. Tectonophysics 502, 146-157, doi:10.1016/j.tecto.2009.12.003

a fost citata de:

1. Papp, Delia Cristina; Cociuba, Ioan; Baci, Calin; et al. Origin and Geochemistry of Mine Water and its Impact on the Groundwater and Surface Running Water in Post-mining Environments: Zlatna Gold Mining Area (Romania) *AQUATIC GEOCHEMISTRY* Volume: 23 Issue: 4 Pages: 247-270 Published: AUG 2017
2. Kis, Boglarka-Mercedesz; Ionescu, Artur; Cardellini, Carlo; et al. Quantification of carbon dioxide emissions of Ciomadul, the youngest volcano of the Carpathian-Pannonian Region (Eastern-Central Europe, Romania) *JOURNAL OF VOLCANOLOGY AND GEOTHERMAL RESEARCH* Volume: 341 Pages: 119-130 Published: JUL 15 2017
3. Tikhomirov, P. L.; Prokof'ev, V. Yu; Kal'ko, I. A.; et al. Post-collisional magmatism of western Chukotka and Early Cretaceous tectonic rearrangement in northeastern Asia *GEOTECTONICS* Volume: 51 Issue: 2 Pages: 131-151 Published: MAR 2017
4. Fedele, Lorenzo; Seghedi, Ioan; Chung, Sun-Lin; et al. Post-collisional magmatism in the Late Miocene Rodna-Bargau district (East Carpathians, Romania): Geochemical constraints and petrogenetic models *LITHOS* Volume: 266 Pages: 367-382 Published: DEC 2016
5. Seghedi, Ioan; Popa, Razvan-Gabriel; Panaiotu, Cristian G.; et al. Short-lived eruptive episodes during the construction of a Na-alkalic basaltic field (Persani Mountains, SE Transylvania, Romania) *BULLETIN OF VOLCANOLOGY* Volume: 78 Issue: 10 Article Number: 69 Published: OCT 2016
6. Balazs, A.; Matenco, L.; Magyar, I.; et al. The link between tectonics and sedimentation in back-arc basins: New genetic constraints from the analysis of the Pannonian Basin *TECTONICS* Volume: 35 Issue: 6 Pages: 1526-1559 Published: JUN 2016
7. Anczkiewicz, Aneta Agnieszka; Anczkiewicz, Robert U-Pb zircon geochronology and anomalous Sr-Nd-Hf isotope systematics of late orogenic andesites: Pieniny Klippen Belt, Western Carpathians, South Poland *CHEMICAL GEOLOGY* Volume: 427 Pages: 1-16 Published: JUN 1 2016
8. Mitrofan, Horia; Anghelache, Mirela-Adriana; Chitea, Florina; et al. Lateral detachment in progress within the Vrancea slab (Romania): inferences from intermediate-depth seismicity patterns *GEOPHYSICAL JOURNAL INTERNATIONAL* Volume: 205 Issue: 2 Pages: 864-875 Published: MAY 1 2016
9. Matenco, Liviu; Munteanu, Ioan; ter Borgh, Marten; et al. The interplay between tectonics, sediment dynamics and gateways evolution in the Danube system from the Pannonian Basin to the western Black Sea *SCIENCE OF THE TOTAL ENVIRONMENT* Volume: 543 Pages: 807-827 Part: A Published: FEB 1 2016

Lucrarea Seghedi I. , 2011: ***Permian subaqueous rhyolitic domes changing to surtseyan tuff deposits and subaerial domes: Sirinia Basin (SW Romania-Eastern Europe)***. *J. Volcanol. Geotherm. Res.* 201, 312-324 (2010),doi:10.1016/j.jvolgeores.2010.07.015

a fost citata de:

1. Arato, Robert; Audetat, Andreas Vanadium magnetite-melt oxybarometry of natural, silicic magmas: a comparison of various oxybarometers and thermometers *CONTRIBUTIONS TO MINERALOGY AND PETROLOGY* Volume: 172 Issue: 7 Article Number: 52 Published: JUL 2017
2. Cai, Quansheng; Hu, Mingyi; Ngia, Ngong Roger; et al. Sequence stratigraphy, sedimentary systems and implications for hydrocarbon exploration in the northern Xujiaweizi Fault Depression, Songliao Basin, NE China *JOURNAL OF PETROLEUM SCIENCE AND ENGINEERING* Volume: 152 Pages: 471-494 Published: APR 2017
3. Plissart, Gaele; Monnier, Christophe; Diot, Herve; et al. Petrology, geochemistry and Sm-Nd analyses on the Balkan-Carpathian Ophiolite (BCO - Romania, Serbia, Bulgaria):

Remnants of a Devonian back-arc basin in the easternmost part of the Variscan domain
JOURNAL OF GEODYNAMICS Volume: 105 Pages: 27-50 Published: APR
2017

Lucrarea Seghedi, I., Downes, H., 2011. ***Geochemistry and tectonic development of Cenozoic magmatism in the Carpathian–Pannonian region.*** Gondwana Research 20, 655-672.

a fost citata de:

1. Szepesi, Janos; Harangi, Szabolcs; Esik, Zsuzsanna; et al. Volcanic Geoheritage and Geotourism Perspectives in Hungary: a Case of an UNESCO World Heritage Site, Tokaj Wine Region Historic Cultural Landscape, Hungary GEOHERITAGE Volume: 9 Issue: 3 Pages: 329-349 Published: SEP 2017
2. Kovac, Michal; Marton, Emo; Oszczypko, Nestor; et al. Neogene palaeogeography and basin evolution of the Western Carpathians, Northern Pannonian domain and adjoining areas GLOBAL AND PLANETARY CHANGE Volume: 155 Pages: 133-154 Published: AUG 2017
3. Hu, Fangyang; Ducea, Mihai N.; Liu, Shuwen; et al. Quantifying Crustal Thickness in Continental Collisional Belts: Global Perspective and a Geologic Application SCIENTIFIC REPORTS Volume: 7 Article Number: 7058 Published: AUG 1 2017
4. Stojadinovic, Uros; Matenco, Liviu; Andriessen, Paul; et al. Structure and provenance of Late Cretaceous-Miocene sediments located near the NE Dinarides margin: Inferences from kinematics of orogenic building and subsequent extensional collapse TECTONOPHYSICS Volume: 710 Special Issue: SI Pages: 184-204 Published: JUL 25 2017
5. Ali, Ahmed; Wagreich, Michael Geochemistry, environmental and provenance study of the Middle Miocene Leitha limestones (Central Paratethys) GEOLOGICA CARPATHICA Volume: 68 Issue: 3 Pages: 248-268 Published: JUN 2017
6. Harley, Thomas L.; Westaway, Rob; McCay, Alistair T. Gamma-ray spectrometry in the field: Radioactive heat production in the Central Slovakian Volcanic Zone JOURNAL OF VOLCANOLOGY AND GEOTHERMAL RESEARCH Volume: 338 Pages: 1-24 Published: MAY 15 2017
7. Chen, Sheng-Sheng; Shi, Ren-Deng; Gong, Xiao-Han; et al. A syn-collisional model for Early Cretaceous magmatism in the northern and central Lhasa subterrane GONDWANA RESEARCH Volume: 41 Pages: 93-109 Published: JAN 2017
8. Fedele, Lorenzo; Seghedi, Ioan; Chung, Sun-Lin; et al. Post-collisional magmatism in the Late Miocene Rodna-Bargau district (East Carpathians, Romania): Geochemical constraints and petrogenetic models LITHOS Volume: 266 Pages: 367-382 Published: DEC 2016
9. Anczkiewicz, Aneta Agnieszka; Anczkiewicz, Robert U-Pb zircon geochronology and anomalous Sr-Nd-Hf isotope systematics of late orogenic andesites: Pieniny Klippen Belt, Western Carpathians, South Poland CHEMICAL GEOLOGY Volume: 427 Pages: 1-16 Published: JUN 1 2017
10. Visan, Madalina; Panaiotu, Cristian G.; Necula, Cristian; et al., 2016. Palaeomagnetism of the Upper Miocene-Lower Pliocene lavas from the East Carpathians: contribution to the paleosecular variation of geomagnetic field. SCIENTIFIC REPORTS Volume: 6 Article Number: 23411 Published: MAR 21 2016.

Lucrarea Popa M., Radulian M., Szakács A., Seghedi I., Zaharia B., 2012. ***New Seismic and Tomography Data in the Southern Part of the Harghita Mountains***

(Romania, Southeastern Carpathians): Connection with Recent Volcanic Activity.

Pure and Applied Geophysics 169, 9, 1557-1573, DOI: 10.1007/s00024-011-0428-6.

a fost citata de:

1. Kis, Boglarka-Mercedesz; Ionescu, Artur; Cardellini, Carlo; et al., 2017. Quantification of carbon dioxide emissions of Ciomadul, the youngest volcano of the Carpathian-Pannonian Region (Eastern-Central Europe, Romania) JOURNAL OF VOLCANOLOGY AND GEOTHERMAL RESEARCH Volume: 341 Pages: 119-130 Published: JUL 15 2017
2. Borleanu, F.; De Siena, L.; Thomas, C.; et al., 2017. Seismic scattering and absorption mapping from intermediate-depth earthquakes reveals complex tectonic interactions acting in the Vrancea region and surroundings (Romania) TECTONOPHYSICS Volume: 706 Pages: 129-142 Published: JUN 5 2017
3. Karatson, D.; Wulf, S.; Veres, D.; et al., 2016 The latest explosive eruptions of Ciomadul (Csomad) volcano, East Carpathians - A tephrostratigraphic approach for the 51-29 ka BP time interval. JOURNAL OF VOLCANOLOGY AND GEOTHERMAL RESEARCH Volume: 319 Pages: 29-51 Published: JUN 1 2016
4. Ardeleanu, L.; Neagoe, C., 2016. THE PERFORMANCE OF THE STATIONS OF THE ROMANIAN SEISMIC NETWORK IN MONITORING THE LOCAL SEISMIC ACTIVITY. PART I. VRANCEA SUBCRUSTAL SEISMICITY. ROMANIAN REPORTS IN PHYSICS Volume: 68 Issue: 1 Pages: 393-415 Published: 2016

Lucrarea Panaiotu, C.G., Vişan, M., Ţugui, A., Seghedi I., Panaiotu A. G. 2012. ***Palaeomagnetism of the South Harghita volcanic rocks of the East Carpathians: implications for tectonic rotations and palaeosecular variation in the past 5Ma.*** Geophys. J. Int. 189, 369–382, doi: 10.1111/j.1365-246X.2012.05394.x

a fost citata de:

1. Dossing, Arne; Muxworthy, Adrian R.; Supakulopas, Radchagrit; et al., 2016. High northern geomagnetic field behavior and new constraints on the Gilsa event: Paleomagnetic and Ar-40/Ar-39 results of similar to 0.5-3.1 Ma basalts from Jokuldalur, Iceland. EARTH AND PLANETARY SCIENCE LETTERS Volume: 456 Pages: 98-111 Published: DEC 15 2016
2. Seghedi, Ioan; Popa, Razvan-Gabriel; Panaiotu, Cristian G.; et al., 2016. Short-lived eruptive episodes during the construction of a Na-alkalic basaltic field (Persani Mountains, SE Transylvania, Romania). BULLETIN OF VOLCANOLOGY Volume: 78 Issue: 10 Article Number: 69 Published: OCT 2016
3. Panaiotu, C. G.; Dimofte, D.; Necula, C.; et al., 2016 REVISED PALEOSECULAR VARIATION FROM QUATERNARY LAVA FLOWS FROM THE EAST CARPATHIANS ROMANIAN REPORTS IN PHYSICS Volume: 68 Issue: 1 Pages: 416-424 Published: 2016
4. Visan, Madalina; Panaiotu, Cristian G.; Necula, Cristian; et al., 2016. Palaeomagnetism of the Upper Miocene-Lower Pliocene lavas from the East Carpathians: contribution to the paleosecular variation of geomagnetic field. SCIENTIFIC REPORTS Volume: 6 Article Number: 23411 Published: MAR 21 2016.

Lucrarea C.G. Panaiotu, B.R. Jicha, B.S. Singer, A. Tugui, I. Seghedi, A.G. Panaiotu, C. Necula, 2013. ***⁴⁰Ar/³⁹Ar chronology and paleomagnetism of Quaternary basaltic lavas from the Persani Mountains (East Carpathians).*** Physics of the Earth and Planetary Interiors 221, 1–14.

a fost citata de:

1. Channell, J. E. T., 2017. Cobb Mountain Subchron recorded at IODP Site U1306 (Eirik Drift, off SE Greenland). *GEOPHYSICAL JOURNAL INTERNATIONAL* Volume: 209 Issue: 3 Pages: 1389-1397 Published: JUN 2017
2. Hagstrum, Jonathan T.; Fleck, Robert J.; Evarts, Russell C.; et al., 2017. Paleomagnetism and Ar-40/Ar-39 geochronology of the Plio-Pleistocene Boring Volcanic Field: Implications for the geomagnetic polarity time scale and paleosecular variation *PHYSICS OF THE EARTH AND PLANETARY INTERIORS* Volume: 262 Pages: 101-115 Published: JAN 2017
3. Jicha, Brian R.; Singer, Brad S.; Sobol, Peter, 2016. Re-evaluation of the ages of Ar-40/Ar-39 sanidine standards and supereruptions in the western US using a Noblesse multi-collector mass spectrometer. *CHEMICAL GEOLOGY* Volume: 431 Pages: 54-66 Published: AUG 1 2016
4. Visan, Madalina; Panaiotu, Cristian G.; Necula, Cristian; et al., 2016. Palaeomagnetism of the Upper Miocene-Lower Pliocene lavas from the East Carpathians: contribution to the paleosecular variation of geomagnetic field. *SCIENTIFIC REPORTS* Volume: 6 Article Number: 23411 Published: MAR 21 2016

Lucrarea A. Szakács, I. Seghedi, 2013. ***The relevance of volcanic hazard in Romania: is there any?*** *Environmental Engineering and Management Journal* 12, 1, 125-135.

a fost citata de:

1. Kis, Boglarka-Mercedesz; Ionescu, Artur; Cardellini, Carlo; et al., 2017. Quantification of carbon dioxide emissions of Ciomadul, the youngest volcano of the Carpathian-Pannonian Region (Eastern-Central Europe, Romania) *JOURNAL OF VOLCANOLOGY AND GEOTHERMAL RESEARCH* Volume: 341 Pages: 119-130 Published: JUL 15 2017

Lucrarea I. Seghedi, Y. E. Ersoy, C. Helvacı, 2013. ***Miocene–Quaternary volcanism and geodynamic evolution in the Pannonian Basin and the Menderes Massif: A comparative study.*** *Lithos* 180–181, 25-42, <http://dx.doi.org/10.1016/j.lithos.2013.08.017>.

a fost citata de:

1. Menant, Armel; Jolivet, Laurent; Vrielynck, Bruno, 2016. Kinematic reconstructions and magmatic evolution illuminating crustal and mantle dynamics of the eastern Mediterranean region since the late Cretaceous, *TECTONOPHYSICS* Volume: 675 Pages: 103-140 Published: APR 22 2016

Lucrarea Sz. Harangi, T. Sági, I. Seghedi, Th. Ntaflou, 2013. ***Origin of basaltic magmas of Perşani volcanic field, Romania: A combined whole rock and mineral scale investigation.*** *Lithos* 180–181, 43–57, <http://dx.doi.org/10.1016/j.lithos.2013.08.025>.

a fost citata de:

1. Murcia, H.; Lindsay, J. M.; Nemeth, K.; et al., 2017. Geology and geochemistry of Late Quaternary volcanism in northern Harrat Rahat, Kingdom of Saudi Arabia: implications for eruption dynamics, regional stratigraphy and magma evolution Edited by: Nemeth, K; CarrascoNunez, G; ArandaGomez, JJ; et al. *MONOGENETIC VOLCANISM* Book Series: Geological Society Special Publication Volume: 446 Pages: 173-204 Published: 2017
2. Tirone, M.; Rokitta, K.; Schreiber, U., 2016, Thermochemical evolution of an intraplate magmatic event inferred from an integrated modeling approach: A case study in the Westerwald, Germany, *LITHOS* Volume: 260 Pages: 178-190 Published: SEP 1 2016
3. Ray, Arijit; Hatui, Kalyanbrata; Paul, Dalim Kumar; et al., 2016, Mantle xenolith-xenocryst-bearing monogenetic alkali basaltic lava field from Kutch Basin, Gujarat, Western India: Estimation of magma ascent rate. *JOURNAL OF VOLCANOLOGY*

Lucrarea D. Prelević, I. Seghedi, 2013. *Magmatic response to the post-accretionary orogenesis within Alpine – Himalayan belt - Preface*. Lithos 180-181, 1-4, <http://dx.doi.org/10.1016/j.lithos.2013.09.004>.

a fost citata de:

1. Fedele, Lorenzo; Seghedi, Ioan; Chung, Sun-Lin; et al. Post-collisional magmatism in the Late Miocene Rodna-Bargau district (East Carpathians, Romania): Geochemical constraints and petrogenetic models
LITHOS Volume: 266 Pages: 367-382 Published: DEC 2016

Lucrarea I. Nicolae, I. Seghedi, I. Bobos, M. do Rosário Azevedo, S. Ribeiro, M. Tatu, 2014. *Permian volcanic rocks from the Apuseni Mountains (Romania): Geochemistry and tectonic constraints*. Chemie der Erde 74, 125–137, <http://dx.doi.org/10.1016/j.chemer.2013.03.002>

a fost citata de:

1. Auwera, Jacqueline Vander; Berza, Tudor; Gesels, Julie; et al., 2016. The Late Cretaceous igneous rocks of Romania (Apuseni Mountains and Banat): the possible role of amphibole versus plagioclase deep fractionation in two different crustal terranes INTERNATIONAL JOURNAL OF EARTH SCIENCES Volume: 105 Issue: 3 Pages: 819-847 Published: APR 2016
2. Vozarova, Anna; Rodionov, Nickolay; Vozar, Jozef; et al., 2016. U-Pb zircon ages from Permian volcanic rocks and tonalite of the Northern Veporicum (Western Carpathians). JOURNAL OF GEOSCIENCES Volume: 61 Issue: 3 Pages: 221-237 Published: 2016

Lucrarea Harangi, S., Novák, A., Kiss, B., Seghedi, I., Lukács, R., Szarka, L., Wesztergom, V., Metwaly, M., Gribovszki, K. 2015. *Combined magnetotelluric and petrologic constrains for the nature of the magma storage system beneath the Late Pleistocene Ciomadul volcano (SE Carpathians)*. Journal of Volcanology and Geothermal Research 290, 82-96.

a fost citata de:

1. Kis, Boglarka-Mercedesz; Ionescu, Artur; Cardellini, Carlo; et al., 2017. Quantification of carbon dioxide emissions of Ciomadul, the youngest volcano of the Carpathian-Pannonian Region (Eastern-Central Europe, Romania) JOURNAL OF VOLCANOLOGY AND GEOTHERMAL RESEARCH Volume: 341 Pages: 119-130 Published: JUL 15 2017

Lucrarea Seghedi, I., Helvacı, C., Pécskay, Z. , 2015. *Composite volcanoes in the south-eastern part of İzmir–Balıkesir transfer zone, Western Anatolia, Turkey*. Journal of Volcanology and Geothermal Research 291, pp. 72-85.

a fost citata de:

1. Karaoglu, Ozgur; Brown, Richard J., 2016. Reconstructing the evolution of an eroded Miocene caldera volcano (Yamanlar volcano, Izmir, Turkey) JOURNAL OF VOLCANOLOGY AND GEOTHERMAL RESEARCH Volume: 318 Pages: 1-18 Published: MAY 15 2016
2. Moufti, Mohammed Rashad; Nemeth, Karoly, Book Author(s): Moufti, MR; Nemeth, KHarrat Rahat: The Geoheritage Value of the Youngest Long-Lived Volcanic Field in the Kingdom of Saudi Arabia. GEOHERITAGE OF VOLCANIC HARRATS IN SAUDI ARABIA Book Series: Geoheritage Geoparks and Geotourism Pages: 33-120 Published: 2016

3. Moufti, Mohammed Rashad; Nemeth, Karoly, Book Author(s): Moufti, MR; Nemeth, K. Synthesis of the Geoheritage Values of the Volcanic Harrats of Saudi Arabia. GEOHERITAGE OF VOLCANIC HARRATS IN SAUDI ARABIA Book Series: Geoheritage Geoparks and Geotourism Pages: 181-194 Published: 2016

Lucrarea Szakács, A., Seghedi, I., Pécskay, Z., Mirea, V., 2015. *Eruptive history of a low frequency and low-output rate Pleistocene volcano, Ciomadul, South Harghita Mts., Romania*. Bulletin of Volcanology, 77:12, DOI 10.1007/s00445-014-0894-7.

a fost citata de:

1. Cited By: Longman, Jack; Veres, Daniel; Ersek, Vasile; et al. Periodic input of dust over the Eastern Carpathians during the Holocene linked with Saharan desertification and human impact CLIMATE OF THE PAST Volume: 13 Issue: 7 Pages: 897-917 Published: JUL 18 2017
2. Kis, Boglarka-Mercedesz; Ionescu, Artur; Cardellini, Carlo; et al., 2017. Quantification of carbon dioxide emissions of Ciomadul, the youngest volcano of the Carpathian-Pannonian Region (Eastern-Central Europe, Romania) JOURNAL OF VOLCANOLOGY AND GEOTHERMAL RESEARCH Volume: 341 Pages: 119-130 Published: JUL 15 2017
3. Wulf, Sabine; Fedorowicz, Stanislaw; Veres, Daniel; et al., 2016. The "Roxolany Tephra" (Ukraine) - new evidence for an origin from Ciomadul volcano, East Carpathians JOURNAL OF QUATERNARY SCIENCE Volume: 31 Issue: 6 Pages: 565-576 Published: AUG 2016
4. Karatson, D.; Wulf, S.; Veres, D.; et al., 2016. The latest explosive eruptions of Ciomadul (Csomad) volcano, East Carpathians - A tephrostratigraphic approach for the 51-29 ka BP time interval JOURNAL OF VOLCANOLOGY AND GEOTHERMAL RESEARCH Volume: 319 Pages: 29-51 Published: JUN 1 2016
5. Visan, Madalina; Panaiotu, Cristian G.; Necula, Cristian; et al., 2016. Palaeomagnetism of the Upper Miocene-Lower Pliocene lavas from the East Carpathians: contribution to the paleosecular variation of geomagnetic field. SCIENTIFIC REPORTS Volume: 6 Article Number: 23411 Published: MAR 21 2016

Lucrarea Harangi S., Lukács R., Schmitt A.K., Dunkl I., Molnár K., Kiss B., Seghedi I., Novothny Á., Molnár M. 2015. *Constraints on the timing of Quaternary volcanism and duration of magma residence at Ciomadul volcano, east-central Europe, from combined U–Th/He and U–Th zircon geochronology*. Journal of Volcanology and Geothermal Research 301 (2015) 66–80.

a fost citata de:

1. Kis, Boglarka-Mercedesz; Ionescu, Artur; Cardellini, Carlo; et al., 2017. Quantification of carbon dioxide emissions of Ciomadul, the youngest volcano of the Carpathian-Pannonian Region (Eastern-Central Europe, Romania) JOURNAL OF VOLCANOLOGY AND GEOTHERMAL RESEARCH Volume: 341 Pages: 119-130 Published: JUL 15 2017
2. Danisik, Martin; Schmitt, Axel K.; Stockli, Daniel F.; et al. Application of combined U–Th-disequilibrium/U–Pb and (U–Th)/He zircon dating to tephrochronology QUATERNARY GEOCHRONOLOGY Volume: 40 Special Issue: SI Pages: 23-32 Published: MAY 2017
3. Tibari, Bouchaib; Vacherat, Arnaud; Stab, Martin; et al., 2016 An Alternative Protocol for Single Zircon Dissolution with Application to (U–Th–Sm)/He Thermochronometry GEOSTANDARDS AND GEOANALYTICAL RESEARCH Volume: 40 Issue: 3 Pages: 365-375 Published: SEP 2016
4. Wulf, Sabine; Fedorowicz, Stanislaw; Veres, Daniel; et al., 2016. The "Roxolany Tephra" (Ukraine) - new evidence for an origin from Ciomadul volcano, East Carpathians

5. Karatson, D.; Wulf, S.; Veres, D.; et al., 2016. The latest explosive eruptions of Ciomadul (Csomad) volcano, East Carpathians - A tephrostratigraphic approach for the 51-29 ka BP time interval JOURNAL OF VOLCANOLOGY AND GEOTHERMAL RESEARCH Volume: 319 Pages: 29-51 Published: JUN 1 2016
6. Visan, Madalina; Panaiotu, Cristian G.; Necula, Cristian; et al., 2016. Palaeomagnetism of the Upper Miocene-Lower Pliocene lavas from the East Carpathians: contribution to the paleosecular variation of geomagnetic field. SCIENTIFIC REPORTS Volume: 6 Article Number: 23411 Published: MAR 21 2016

Lucrarea Gallhofer, D., von Quadt A., Schmid S. M., Guillong M., Irena Peytcheva I., Seghedi I., 2016. ***Magmatic and tectonic history of Jurassic ophiolites and associated granitoids from the South Apuseni Mountains (Romania)***. Swiss J Geosci (2016). doi:10.1007/s00015-016-0231-6.

a fost citata de:

1. Reiser, Martin Kaspar; Schuster, Ralf; Tropper, Peter; et al., 2017. Constraints on the depositional age and tectonometamorphic evolution of marbles from the Biharia Nappe System (Apuseni Mountains, Romania) GEOLOGICA CARPATHICA Volume: 68 Issue: 2 Pages: 147-164 Published: APR 2017

Lucrarea Lowe J.J., Szakacs Al. et al.. 2015. ***The RESET project: Constructing a European tephra lattice for refined synchronisation of environmental and archaeological events during the last c. 100 k, 2015*** Quaternary Science Reviews, 118, 1-17,

a fost citată de:

1. Wohlfarth, B., Muschitiello, F., L. Greenwood, S., (...), Watson, J., Whitehouse, N.J. 2017 Hässeldala – a key site for Last Termination climate events in northern Europe. Boreas, 46(2), 143-161
2. Petrelli, M., Bizzarri, R., Morgavi, D., Baldanza, A., Perugini, D. 2017 Combining machine learning techniques, microanalyses and large geochemical datasets for tephrochronological studies in complex volcanic areas: New age constraints for the Pleistocene magmatism of central Italy. Quaternary Geochronology
3. Timms, R.G.O., Matthews, I.P., Palmer, A.P., Candy, I., Abel, L. 2017 A high-resolution tephrostratigraphy from Quoyloo Meadow, Orkney, Scotland: Implications for the tephrostratigraphy of NW Europe during the Last Glacial-Interglacial Transition. Quaternary Geochronology
4. Lane, C.S., Lowe, D.J., Blockley, S.P.E., Suzuki, T., Smith, V.C. 2017 Advancing tephrochronology as a global dating tool: Applications in volcanology, archaeology, and palaeoclimatic research. Quaternary Geochronology
5. Neugebauer, I., Wulf, S., Schwab, M.J., (...), Appelt, O., Brauer, A. 2017 Implications of S1 tephra findings in Dead Sea and Tayma palaeolake sediments for marine reservoir age estimation and palaeoclimate synchronisation. Quaternary Science Reviews, 170, 269-275

Lucrarea Hargitai H., Gede M., Zimbelman J., Koszeghy C., Siraly D., Marinangeli L., Barata T., Szakacs A., Feuillet T. 2015 ***Multilingual narrative planetary maps for children***, Lecture Notes in Geoinformation and Cartography, 17-30

a fost citată de:

1. Gede, M., Hargitai, H. 2017 An online planetary exploration tool: “Country Movers”, Acta Astronautica, 137, 334-344

- Naß, A., Di, K., Elgner, S., (...), Skinner, J., Wählisch, M. 2017 Planetary cartography and mapping: Where we are today, and where we are heading for? *International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives*, 42(3W1), 105-112

Lucrarea Servida D., Comero S., Dal Santo M., de Capitani L., Grieco G., Marescotti P., Porro S., (...), Szakács A., 2013, ***Waste rock dump investigation at Roşia Montană gold mine (Romania): A geostatistical approach*** *Environmental Earth Sciences*, 70 (1) , pp. 13-31

a fost citată de:

- Papp, D.C., Cociuba, I., Baciuc, C., Cozma, A. 2017 Origin and Geochemistry of Mine Water and its Impact on the Groundwater and Surface Running Water in Post-mining Environments: Zlatna Gold Mining Area (Romania). *Aquatic Geochemistry*, 23(4), 247-270

Lucrarea Veres D., Lane C.S., Timár-Gábor A., Hambach U., Constantin D., Szakács A., Fulling A., Onac B.P., 2013, ***The Campanian Ignimbrite/Y5 tephra layer - A regional stratigraphic marker for Isotope Stage 3 deposits in the Lower Danube region, Romania***. *Quaternary International*, 293 , pp. 22-33

a fost citată de:

- Fitzsimmons, K.E. 2017 Reconstructing palaeoenvironments on desert margins: New perspectives from Eurasian loess and Australian dry lake shorelines. *Quaternary Science Reviews*, 171, 1-19
- Zanchetta, G., Bini, M., Isola, I., (...), Milevski, I., Sulpizio, R. 2017 New findings of the Campanian Ignimbrite ash within slope deposits of the Treska valley (former Yugoslav Republic of Macedonia). *Italian Journal of Geosciences*, 136(2), 198-205
- Obrecht, I., Hambach, U., Veres, D., (...), Burow, C., Lehmkuhl, F. 2017 Shift of large-scale atmospheric systems over Europe during late MIS 3 and implications for Modern Human dispersal. *Scientific Reports*, 7(1), 5848, Open Access

Lucrarea Pécskay Z., Lexa J., Szakács A., Seghedi I., Balogh K., Konecny V., Zelenka T., (...), Cvetkovic V., 2006, ***Geochronology of Neogene magmatism in the Carpathian arc and intra-Carpathian area***. *Geologica Carpathica*, 57 (6), pp. 511-530

a fost citată de:

- Huraiová, M., Konečný, P., Holický, I., (...), Nemeč, O., Hurai, V. 2017. Mineralogy and origin of peralkaline granite-syenite nodules ejected in Pleistocene basalt from Bulhary, Southern Slovakia. *Periodico di Mineralogia* , 86(1), 1-17, Open Access
- Stojadinovic, U., Matenco, L., Andriessen, P., (...), Rundić, L., Ducea, M.N. 2017 Structure and provenance of Late Cretaceous–Miocene sediments located near the NE Dinarides margin: Inferences from kinematics of orogenic building and subsequent extensional collapse. *Tectonophysics*, 710-711, 184-204
- Biró, T., Kovács, I.J., Karátson, D., (...), Fancsik, T., Sándorné, J.K. 2017 Evidence for post-depositional diffusional loss of hydrogen in quartz phenocryst fragments within ignimbrites. *American Mineralogist*, 102(6), 1187-1201
- Kelemen, P., Dunkl, I., Csillag, G., (...), von Eynatten, H., Józsa, S. 2017 Tracing multiple resedimentation on an isolated karstified plateau: The bauxite-bearing Miocene red clay of the Southern Bakony Mountains, Hungary. *Sedimentary Geology*, 358, 84-96
- Kováč, M., Márton, E., Oszczypko, N., (...), Hudáčková, N., Oszczypko-Clowes, M. 2017 Neogene palaeogeography and basin evolution of the Western Carpathians, Northern Pannonian domain and adjoining areas. *Global and Planetary Change*,

155, 133-154

6. Kohút, M., Danišík, M. 2017 Rapid cooling and geospeedometry of granitic rocks exhumation within a volcanic arc: A case study from the Central Slovakian Neovolcanic Field (Western Carpathians). *Island Arc*, 26(5), e12201
7. Szakács, A., Chiriță, V. 2017 Protected Natural Values of Geoheritage Interest in the Călimani National Park, Eastern Carpathians, Romania. *Geoheritage*, 9(3), 421-434
8. Ionescu, A., Baciú, C., Kis, B.-M., Sauer, P.E. 2017. Evaluation of dissolved light hydrocarbons in different geological settings in Romania. *Chemical Geology*, 469, 230-145
9. Kis, B.-M., Ionescu, A., Cardellini, C., (...), Caracausi, A., Viveiros, F. 2017 Quantification of carbon dioxide emissions of Ciomadul, the youngest volcano of the Carpathian-Pannonian Region (Eastern-Central Europe, Romania). *Journal of Volcanology and Geothermal Research*, 341, 119- 130

Lucrarea Ionescu C, Hoeck V, Tomek C, Koller F, Balintoni I, Besutiu L., 2009, *New insights into the basement of the Transylvanian Depression (Romania)*. *Lithos* 108(1–4):172–191

a fost citată de:

1. M. K. Reiser, R. Schuster, R. Spikings, P. Tropper, B. Fügenschuh- From nappe stacking to exhumation: Cretaceous tectonics in the Apuseni Mountains (Romania), *Int. J Earth Sci (Geol Rundsch)* (2017) 106:659–685, DOI 10.1007/s00531-016-1335-y (https://scholar.google.com/hk/scholar?oi=bibs&hl=en&cites=8821579742261991637&as_sdt=5&as_ylo=2017&as_yhi=2017)
2. L Mațenco (2017)- Tectonics and Exhumation of Romanian Carpathians: Inferences from Kinematic and Thermochronological Studies, *Landform Dynamics and Evolution in Romania* pp 15-56, Springer (https://scholar.google.com/scholar?start=10&hl=en&as_sdt=0,5&scioldt=0,5&cite_s=8821579742261991637&scipsc=)
3. D. Gallhofer, A von Quadt, SM Schmid, M. Guillong, I. Peytcheva, I. Seghedi (2017)– magmatic and tectonic history of Jurassic ophiolites and associated granitoids from the South Apuseni Mountains (Romania), *Swiss Journal of Geosciences*, Volume 110, Issue 2, pp 699–719 2017 – Springer (<https://link.springer.com/article/10.1007/s00015-016-0231-6>)

Lucrarea Tondi, R., U. Achauer, M. Randes, R. Daví, L. Besutiu, 2009, *Unveiling seismic and density structure beneath the Vrancea seismogenic zone, Romania*, *J. Geophys. Res.*, 114, B11307, doi:10.1029/2008JB005992.

a fost citată de:

1. Blom N., Boehm C., Fichtner A., (2017) – Synthetic inversions for density using seismic and gravity data, *Geophysical Journal International* 209:1204 (https://www.researchgate.net/publication/317167232_Synthetic_inversions_for_density_using_seismic_and_gravity_data)

Lucrarea Andreescu M., Burst D., Demetrescu C., Ene M., Polonic G., 1989, *On the geothermal regime of the Moesian Platform and Getic Depression*, *Tectonophysics*, 164 (2-4), 281-286.

a fost citată de:

1. Ionescu, A., Burrato, P., Baciú, C., Etiopie, G., Kis, B.-M. Inventory of Onshore Hydrocarbon Seeps in Romania (HYSED-RO Database), *Geosciences*, 7(2), 39, doi:10.3390/geosciences7020039, 2017

Lucrarea Demetrescu, C., Polonic G., 1989, *The evolution of the Pannonian depression (Romanian sector) as derived from subsidence and heat flow data*, Tectonophysics, 164 (2-4), 287-299.

a fost citată de:

1. Ionescu, A., Burrato, P., Baci, C., Etiop, G., Kis, B.-M. Inventory of Onshore Hydrocarbon Seeps in Romania (HYSED-RO Database), Geosciences, 7(2), 39, doi:10.3390/geosciences7020039, 2017

Lucrarea Demetrescu, C., Andreescu, M., 1994, *On the thermal regime of some tectonic units in a continental collision environment in Romania*, Tectonophysics, 230, 265-276.

a fost citată de:

1. Kis B.-M., Ionescu A., Cardellini C., Harangi S., Baci C., Caracausi A., Viveiros F., Quantification of carbon dioxide emissions of Ciomadul, the youngest volcano of the Carpathian-Pannonian Region (Eastern-Central Europe, Romania), Journal of Volcanology and Geothermal Research, Volume 341, 2017
2. Ionescu, A., Burrato, P., Baci, C., Etiop, G., Kis, B.-M. Inventory of Onshore Hydrocarbon Seeps in Romania (HYSED-RO Database), Geosciences, 7(2), 39, doi:10.3390/geosciences7020039, 2017

Lucrarea Demetrescu C., Wilhelm H., Ene M., Andreescu M., Polonic G., Baumann C., Dobrica V., Serban D.Z., 2005, *On the geothermal regime of the foreland of the Eastern Carpathians bend*, Journal of Geodynamics, 39 (1), 29-50

a fost citată de:

1. Liu S., Li X., Hao C., Li X., Heat flow, deep formation temperature and thermal structure of the Tarim Basin, Northwest China, Earth Science Frontiers, Volume 24, 2017
2. He, L., Xu, H., Liu, Q., Tectono-thermal modeling of the foreland basins: a case study of the Longmenshan foreland basin, Earth Science Frontiers, 2017

Lucrarea Demetrescu, C., Dobrica, V., 2008, *Signature of Hale and Gleissberg solar cycles in the geomagnetic activity*, J. Geophys. Res., 113, A02103, doi:10.1029/2007JA012570.

a fost citată de:

1. Guido Travaglini, Bayesian Methods for Reconstructing Sunspot Numbers Before and During the Maunder Minimum, Solar Physics, 292, 1, 2017.

Lucrarea Donea, A.C., Besliu-Ionescu D, PS Cally, C Lindsey, VV Zharkova. *Seismic emission from A M9.5-class solar flare*. Solar Physics 239 (1-2), 113-135, 2006

a fost citată de:

1. Collins, John M.; Jones, Hugh R. A.; Barnes, John R. "Calculations of periodicity from H α profiles of Proxima Centauri" Astronomy & Astrophysics, Volume 602, id.A48, 2017

Lucrarea Bemporad, A.; Mierla, M.; Tripathi, D.: *Rotation Of An Erupting Filament Observed By The Stereo Euvi And Cor1 Instruments*, Astronomy And Astrophysics, 531, Art Nr. A147, 2011

a fost citată de:

1. D'Huys, Elke; Seaton, Daniel B.; De Groof, Anik; Berghmans, David; Poedts, Stefaan Solar signatures and eruption mechanism of the August 14, 2010 coronal mass ejection (CME), Journal of Space Weather and Space Climate, Volume 7, id.A7, 2017

Lucrarea Bemporad, A.; Zuccarello, F. P.; Jacobs, C.; **Mierla, M.**; Poedts, S.: *Study Of Multiple Coronal Mass Ejections At Solar Minimum Conditions*, Solar Physics, 281, 223-236, 2012

a fost citată de:

1. Lugaz, Noé; Temmer, Manuela; Wang, Yuming; Farrugia, Charles J. “The Interaction of Successive Coronal Mass Ejections: A Review” Solar Physics, Volume 292, Issue 4, article id.64, 2017

Lucrarea Feng, L.; Inhester, B.; **Mierla, M.**: *Comparisons Of Cme Morphological Characteristics Derived From Five 3d Reconstruction Methods*, Solar Physics, 282, 221-238, 2013

a fost citată de:

1. de Koning, Curt A. “Lessons Learned from the Three-view Determination of CME Mass” The Astrophysical Journal, Volume 844, Issue 1, article id. 61, 2017
2. Lu, Lei; Inhester, Bernd; Feng, Li; Liu, Siming; Zhao, Xinhua “Measure the Propagation of a Halo CME and Its Driven Shock with the Observations from a Single Perspective at Earth” The Astrophysical Journal, Volume 835, Issue 2, article id. 188, 2017

Lucrarea Halain, J. -P.; Berghmans, D.; Seaton, D. B.; Nicula, B.; De Groof, A.; **Mierla, M.**; Mazzoli, A.; Defise, J.-M.; Rochus, P.: *The SWAP EUV Imaging Telescope. Part II: In-flight Performance and Calibration*, Solar Physics, 286 ,1, 67-91, 2013

a fost citată de:

1. Seaton, Daniel B.; Bartz, Allison E.; Darnel, Jonathan M. “Observations of the Formation, Development, and Structure of a Current Sheet in an Eruptive Solar Flare” The Astrophysical Journal, Volume 835, Issue 2, article id. 139, 2017
2. Stankov, Stanimir M.; Bergeot, Nicolas; Berghmans, David; Bolsée, David; Bruyninx, Carine; Chevalier, Jean-Marie; Clette, Frédéric; De Backer, Hugo; De Keyser, Johan; D’Huys, Elke; și încă 12 autori “Multi-instrument observations of the solar eclipse on 20 March 2015 and its effects on the ionosphere over Belgium and Europe” Journal of Space Weather and Space Climate, Volume 7, id.A19, 2017
3. Alzate, Nathalia; Morgan, Huw “Identification of Low Coronal Sources of “Stealth” Coronal Mass Ejections Using New Image Processing Techniques” The Astrophysical Journal, Volume 840, Issue 2, article id. 103, 2017

Lucrarea Kramar, M.; Jones, S.; Davila, J.; Inhester, B.; **Mierla, M.**: *On the Tomographic Reconstruction of the 3D Electron Density for the Solar Corona from STEREO COR1 Data*, Solar Physics, 259, 1-2, 109-121, 2009

a fost citată de:

1. Wang, Tongjiang; Reginald, Nelson L.; Davila, Joseph M.; St. Cyr, O. Chris; Thompson, William T. “Variation in Coronal Activity from Solar Cycle 24 Minimum to Maximum Using Three-Dimensional Reconstructions of the Coronal Electron Density from STEREO/COR1” Solar Physics, Volume 292, Issue 8, article id.97, 2017

Lucrarea Kilpua, E. K. J.; **Mierla, M.**; Rodriguez, L.; Et Al.: *Estimating Travel Times Of Coronal Mass Ejections To 1 Au Using Multi-Spacecraft Coronagraph Data*, Solar Physics, 279, 477-496, 2012

a fost citată de:

1. Manchester, Ward; Kilpua, Emilia K. J.; Liu, Ying D.; Lugaz, Noé; Riley, Pete; Török, Tibor; Vršnak, Bojan “The Physical Processes of CME/ICME Evolution” *Space Science Reviews*, Online First, 2017
2. Wood, Brian E.; Wu, Chin-Chun; Lepping, Ronald P.; Nieves-Chinchilla, Teresa; Howard, Russell A.; Linton, Mark G.; Socker, Dennis G. “A STEREO Survey of Magnetic Cloud Coronal Mass Ejections Observed at Earth in 2008-2012” *The Astrophysical Journal Supplement Series*, Volume 229, Issue 2, article id. 29, 2017
3. Qiu, Jiong; Cheng, Jianxia “Gradual Solar Coronal Dimming and Evolution of Coronal Mass Ejection in the Early Phase” *The Astrophysical Journal Letters*, Volume 838, Issue 1, article id. L6, 2017

Lucrarea Kilpua, E. K. J.; Mierla, M.; Zhukov, A. N.; et al.: *Solar Sources of Interplanetary Coronal Mass Ejections During the Solar Cycle 23/24 Minimum*, *Solar Physics*, 289, 10, 3773-3797, 2014

a fost citată de:

1. Nitta, Nariaki V.; Mulligan, Tamitha “Earth-Affecting Coronal Mass Ejections Without Obvious Low Coronal Signatures” *Solar Physics*, Volume 292, Issue 9, article id.125, 2017
2. Shen, Chenglong; Chi, Yutian; Wang, Yuming; Xu, Mengjiao; Wang, Shui “Statistical comparison of the ICME's geoeffectiveness of different types and different solar phases from 1995 to 2014” *Journal of Geophysical Research: Space Physics*, Volume 122, Issue 6, pp. 5931-5948, 2017
3. Alzate, Nathalia; Morgan, Huw “Identification of Low Coronal Sources of “Stealth” Coronal Mass Ejections Using New Image Processing Techniques” *The Astrophysical Journal*, Volume 840, Issue 2, article id. 103, pp. 2017
4. Wood, Brian E.; Wu, Chin-Chun; Lepping, Ronald P.; Nieves-Chinchilla, Teresa; Howard, Russell A.; Linton, Mark G.; Socker, Dennis G. “A STEREO Survey of Magnetic Cloud Coronal Mass Ejections Observed at Earth in 2008-2012” *The Astrophysical Journal Supplement Series*, Volume 229, Issue 2, article id. 29, 2017
5. D'Huys, Elke; Seaton, Daniel B.; De Groof, Anik; Berghmans, David; Poedts, Stefaan “Solar signatures and eruption mechanism of the August 14, 2010 coronal mass ejection (CME)” *Journal of Space Weather and Space Climate*, Volume 7, id.A7, 2017
6. Palmerio, E.; Kilpua, E. K. J.; James, A. W.; Green, L. M.; Pomoell, J.; Isavnin, A.; Valori, G. “Determining the Intrinsic CME Flux Rope Type Using Remote-sensing Solar Disk Observations” *Solar Physics*, Volume 292, Issue 2, article id.39, 2017
7. Vasquez, Bernard J.; Farrugia, C. J.; Simunac, K. D. C.; Galvin, A. B.; Berdichevsky, D. B. “Concerning the helium-to-hydrogen number density ratio in very slow ejecta and winds near solar minimum” *Journal of Geophysical Research: Space Physics*, Volume 122, Issue 2, pp. 1487-1512, 2017

Lucrarea Maris, O.; Maris, G., *Specific features of the high-speed plasma stream cycles*, *Advances in Space Research*, Volume 35, Issue 12, p. 2129-2140, 2005

a fost citată de:

1. Mustajab, F.; Badruddin “Passage of the high-speed solar wind streams, their plasma/field properties, and resulting geomagnetic disturbances” *Advances in Space Research*, Volume 60, Issue 1, p. 144-152, 2017

Lucrarea Mierla, M.; Inhester, B.; Antunes, A.; Et Al.: *On 3-D Reconstruction Of Coronal Mass Ejections Using Coronagraph Data*, *Annales Geophysicae*, 28, 203-215, 2010

a fost citată de:

1. Temmer, Manuela; Thalmann, Julia K.; Dissauer, Karin; Veronig, Astrid M.; Tschernitz, Johannes; Hinterreiter, Jürgen; Rodriguez, Luciano “On Flare-CME Characteristics from Sun to Earth Combining Remote-Sensing Image Data with In Situ Measurements Supported by Modeling” *Solar Physics*, Volume 292, Issue 7, article id.93, 2017
2. Braga, Carlos Roberto; Dal Lago, Alisson; Echer, Ezequiel; Stenborg, Guillermo; Rodrigues Souza de Mendonça, Rafael “Pseudo-automatic Determination of Coronal Mass Ejections’ Kinematics in 3D” *The Astrophysical Journal*, Volume 842, Issue 2, article id. 134, 2017
3. Kooi, Jason E.; Fischer, Patrick D.; Buffo, Jacob J.; Spangler, Steven R. “VLA Measurements of Faraday Rotation through Coronal Mass Ejections” *Solar Physics*, Volume 292, Issue 4, article id.56, 2017
4. Lee, Jae-Ok; Moon, Y.-J.; Lee, Jin-Yi; Kim, R.-S.; Cho, K.-S. “Which Bow Shock Theory, Gasdynamic or Magnetohydrodynamic, Better Explains CME Stand-off Distance Ratios from LASCO-C2 Observations ?” *The Astrophysical Journal*, Volume 838, Issue 1, article id. 70, 2017
5. Hutton, J.; Morgan, H. “Automated detection of coronal mass ejections in three-dimensions using multi-viewpoint observations” *Astronomy & Astrophysics*, Volume 599, id.A68, 2017
6. Lu, Lei; Inhester, Bernd; Feng, Li; Liu, Siming; Zhao, Xinhua “Measure the Propagation of a Halo CME and Its Driven Shock with the Observations from a Single Perspective at Earth” *The Astrophysical Journal*, Volume 835, Issue 2, article id. 188, 2017

Lucrarea **Mierla, M.**; Schwenn, R.; Teriaca, L.; Stenborg, G.; **Podlipnik, B.**: *Analysis of the Fe X and Fe XIV line width in the solar corona using LASCO-C1 spectral data*, *Astronomy and Astrophysics*, 480, 509-514, 2008

a fost citată de:

1. Bemporad, Alessandro; Pagano, Paolo; Giordano, Silvio; Fineschi, Silvano “Constraining the pass-band of future space-based coronagraphs for observations of solar eruptions in the FeXIV 530.3 nm “green line”” *Experimental Astronomy*, Volume 44, Issue 1, pp.83-96, 2017

Lucrarea **Mierla, M.**; Chifu, I.; Inhester, B.; Rodriguez, L.; Zhukov, A. *Low polarised emission from the core of coronal mass ejections*, *Astronomy & Astrophysics*, Volume 530, id.L1, pp. 2011

a fost citată de:

1. Howard, T. A.; DeForest, C. E.; Schneck, U. G.; Alden, C. R. “Challenging Some Contemporary Views of Coronal Mass Ejections. II. The Case for Absent Filaments” *The Astrophysical Journal*, Volume 834, Issue 1, article id. 86, pp., 2017

Lucrarea Magdalenic, J.; Marque, C.; Krupar, V.; **Mierla, M.**; Zhukov, A. N.; Rodriguez, L.; Maksimović, M.; Cecconi, B.: *Tracking the CME-driven shock wave on 2012 March 5 and Radio Triangulation of associated radio emission*, *Astrophysical Journal*, 791, 2, 115, 2014

a fost citată de:

1. Al-Hamadani, Firas; Pohjolainen, Silja; Valtonen, Eino. “Origin of Radio Enhancements in Type II Bursts in the Outer Corona” *Solar Physics*, Volume 292, Issue 9, article id.127, 2017

2. Prakash, O.; Feng, Li; Michalek, G.; Gan, Weiqun; Lu, Lei; Shanmugaraju, A.; Umapathy, S. “Characteristics of events with metric-to-decahectometric type II radio bursts associated with CMEs and flares in relation to SEP events” *Astrophysics and Space Science*, Volume 362, Issue 3, article id.56, 2017
3. Lu, Lei; Inhester, Bernd; Feng, Li; Liu, Siming; Zhao, Xinhua “Measure the Propagation of a Halo CME and Its Driven Shock with the Observations from a Single Perspective at Earth” *The Astrophysical Journal*, Volume 835, Issue 2, article id. 188, 2017

Lucrarea **Mierla, M.**; Davila, J.; Thompson, W.; Inhester, B.; Srivastava, N.; Kramar, M.; St. Cyr, O. C.; Stenborg, G.; Howard, R. A., *A Quick Method for Estimating the Propagation Direction of Coronal Mass Ejections Using STEREO-COR1 Images*, *Solar Physics*, Volume 252, Issue 2, pp.385-396, 2008

a fost citată de:

1. de Koning, Curt A. “Lessons Learned from the Three-view Determination of CME Mass” *The Astrophysical Journal*, Volume 844, Issue 1, article id. 61, 2017
2. Park, Jinhye; Moon, Y.-J.; Lee, Harim “Dependence of the Peak Fluxes of Solar Energetic Particles on CME 3D Parameters from STEREO and SOHO” *The Astrophysical Journal*, Volume 844, Issue 1, article id. 17, 2017
3. Braga, Carlos Roberto; Dal Lago, Alisson; Echer, Ezequiel; Stenborg, Guillermo; Rodrigues Souza de Mendonça, Rafael “Pseudo-automatic Determination of Coronal Mass Ejections’ Kinematics in 3D” *The Astrophysical Journal*, Volume 842, Issue 2, article id. 134, 2017
4. Na, Hyeonock; Moon, Y.-J.; Lee, Harim “Development of a Full Ice-cream Cone Model for Halo Coronal Mass Ejections” *The Astrophysical Journal*, Volume 839, Issue 2, article id. 82, 2017

Lucrarea **Mierla, M.**; Inhester, B.; Marque, C.; Et Al.: *On 3d Reconstruction Of Coronal Mass Ejections: I. Method Description And Application To Secchi-Cor Data*, *Solar Physics*, 259, 123-141, 2009

a fost citată de:

1. de Koning, Curt A. “Lessons Learned from the Three-view Determination of CME Mass” *The Astrophysical Journal*, Volume 844, Issue 1, article id. 61, 2017
2. Park, Jinhye; Moon, Y.-J.; Lee, Harim “Dependence of the Peak Fluxes of Solar Energetic Particles on CME 3D Parameters from STEREO and SOHO” *The Astrophysical Journal*, Volume 844, Issue 1, article id. 17, 2017
3. Braga, Carlos Roberto; Dal Lago, Alisson; Echer, Ezequiel; Stenborg, Guillermo; Rodrigues Souza de Mendonça, Rafael “Pseudo-automatic Determination of Coronal Mass Ejections’ Kinematics in 3D” *The Astrophysical Journal*, Volume 842, Issue 2, article id. 134, 2017
4. Lu, Lei; Inhester, Bernd; Feng, Li; Liu, Siming; Zhao, Xinhua “Measure the Propagation of a Halo CME and Its Driven Shock with the Observations from a Single Perspective at Earth” *The Astrophysical Journal*, Volume 835, Issue 2, article id. 188, 2017

Lucrarea **Mierla, M.**; Inhester, B.; Rodriguez, L.; et al.: *On 3D reconstruction of coronal mass ejections: II. Longitudinal and latitudinal width analysis of 31 August 2007 event*, *Journal of Atmospheric and Solar- Terrestrial Physics*, 73, 10, SI 1166-1172, 2011

a fost citată de:

1. Kay, C.; Gopalswamy, N.; Reinard, A.; Opher, M. “Predicting the Magnetic Field of Earth-impacting CMEs” *The Astrophysical Journal*, Volume 835, Issue 2, article id. 117, 2017

Lucrarea Oprea, C.; Mierla, M.; Beșliu-Ionescu, D.; Stere, O.; Mariș Muntean, G., *A study of solar and interplanetary parameters of CMEs causing major geomagnetic storms during SC 23*, Annales Geophysicae, Volume 31, Issue 8, 2013, pp.1285-1295, 2013

a fost citată de:

1. Gulyaeva, T. L. “Ranking ICME's efficiency for geomagnetic and ionospheric storms and risk of false alarms” Journal of Atmospheric and Solar-Terrestrial Physics, Volume 164, p. 39-47, 2017

Lucrarea Paraschiv, A. R.; Lacatus, D. A.; Badescu, T.; Lupu, M. G.; Simon, S.; Sandu, S. G.; Mierla, M.; Rusu, M.V., *Study Of Coronal Jets During Solar Minimum Based On Stereo/Secchi Observations*, Solar Physics, 264, 365-375, 2010

a fost citată de:

1. Bemporad, A. “Exploring the Inner Acceleration Region of Solar Wind: A Study Based on Coronagraphic UV and Visible Light Data” The Astrophysical Journal, Volume 846, Issue 1, article id. 86, 2017

Lucrarea Rodriguez, L.; Mierla, M.; Zhukov, A. N.; West, M.; Kilpua, E., *Linking Remote-Sensing and In Situ Observations of Coronal Mass Ejections Using STEREO*, Solar Physics, Volume 270, Issue 2, pp.561-573, 2011

a fost citată de:

1. Zhuang, Bin; Wang, Yuming; Shen, Chenglong; Liu, Siqing; Wang, Jingjing; Pan, Zonghao; Li, Huimin; Liu, Rui “The Significance of the Influence of the CME Deflection in Interplanetary Space on the CME Arrival at Earth” The Astrophysical Journal, Volume 845, Issue 2, article id. 117, 2017
2. Zhao, Ake; Wang, Yuming; Chi, Yutian; Liu, Jiajia; Shen, Chenglong; Liu, Rui “Main Cause of the Poloidal Plasma Motion Inside a Magnetic Cloud Inferred from Multiple-Spacecraft Observations” Solar Physics, Volume 292, Issue 4, article id.58, 2017

Lucrarea Rodriguez, L.; Masias-Meza, J. J.; Dasso, S.; Mierla, M., et al., *Typical Profiles And Distributions Of Plasma And Magnetic Field Parameters In Magnetic Clouds At 1 Au*, Solar Physics, 291, 2145-2163, 2016

a fost citată de:

1. Temmer, M.; Reiss, M. A.; Nikolic, L.; Hofmeister, S. J.; Veronig, A. M. “Preconditioning of Interplanetary Space Due to Transient CME Disturbances” The Astrophysical Journal, Volume 835, Issue 2, article id. 141, 2017

Lucrarea Saiz, E.; Cerrato, Y.; Cid, C.; Dobrica, V.; Hejda, P.; Nenovski, P.; Stauning, P.; Bochnicek, J.; Danov, D.; Demetrescu, C.; Gonzalez, W.D.; Maris, G.; Teodosiev, D.; Valach, F., *Geomagnetic response to solar and interplanetary disturbances*, Journal of Space Weather and Space Climate, 3, id.A26, 2013

a fost citată de:

1. Jin Wei, Progress of research on the effect of geomagnetic activity on climatic elements. Chinese Journal of Geophysics – Chinese Edition, 60, 4, 2017.

Lucrarea Seaton, Daniel B.; Mierla, M.; Berghmans, David; Zhukov, Andrei N.; Dolla, Laurent, *SWAP-SECCHI Observations of a Mass-loading Type Solar Eruption*, The Astrophysical Journal Letters, Volume 727, Issue 1, article id. L10, pp., 2011

a fost citată de:

1. D'Huys, Elke; Seaton, Daniel B.; De Groof, Anik; Berghmans, David; Poedts, Stefaan “Solar signatures and eruption mechanism of the August 14, 2010 coronal mass ejection (CME)” *Journal of Space Weather and Space Climate*, Volume 7, id.A7, 2017

Lucrarea Srivastava, N.; Inhester, B.; **Mierla, M.**; Podlipnik, B., *3D Reconstruction of the Leading Edge of the 20 May 2007 Partial Halo CME*, *Solar Physics*, Volume 259, Issue 1-2, pp. 213-225, 2009

a fost citată de:

1. Hutton, J.; Morgan, H. “Automated detection of coronal mass ejections in three-dimensions using multi-viewpoint observations” *Astronomy & Astrophysics*, Volume 599, id.A68, 2017

Lucrarea Tripathi, D.; Solanki, S. K.; Schwenn, R.; Bothmer, V.; **Mierla, M.**; Stenborg, G., *Observation of a bright coronal downflow by SOHO/EIT*, *Astronomy and Astrophysics*, Volume 449, Issue 1, April I 2006, pp.369-378, 2006

a fost citată de:

1. Casini, R.; White, S. M.; Judge, P. G. “Magnetic Diagnostics of the Solar Corona: Synthesizing Optical and Radio Techniques” *Space Science Reviews*, Volume 210, Issue 1-4, pp. 145-181, 2017

Lucrarea Zuccarello, F. P.; Seaton, D. B.; **Mierla, M.**; et al.: *Observational evidence of tours instability as trigger mechanism for coronal mass ejection: the 2011 august 4 filament eruption*, *Astrophysical Journal*, 785, 2, 88, 2014

a fost citată de:

1. Dhara, Sajal Kumar; Belur, Ravindra; Kumar, Pankaj; Banyal, Ravinder Kumar; Mathew, Shibu K.; Joshi, Bhuwan “Trigger of Successive Filament Eruptions Observed by SDO and STEREO” *Solar Physics*, Volume 292, Issue 10, article id.145, 2017
2. Wang, Dong; Liu, Rui; Wang, Yuming; Liu, Kai; Chen, Jun; Liu, Jiajia; Zhou, Zhenjun; Zhang, Min “Critical Height of the Torus Instability in Two-ribbon Solar Flares” *The Astrophysical Journal Letters*, Volume 843, Issue 1, article id. L9, 2017
3. Melrose, D. B. “Current-driven flare and CME models” *Journal of Geophysical Research: Space Physics*, Volume 122, issue 8, pp. 7963-7978, 2017
4. Chandra, R.; Filippov, B.; Joshi, R.; Schmieder, B. “Two-Step Filament Eruption During 14 - 15 March 2015” *Solar Physics*, Volume 292, Issue 6, article id.81, 2017
5. Zuccarello, F. P.; Chandra, R.; Schmieder, B.; Aulanier, G.; Joshi, R. “Transition from eruptive to confined flares in the same active region” *Astronomy & Astrophysics*, Volume 601, id.A26, 2017
6. Woods, M. M.; Harra, L. K.; Matthews, S. A.; Mackay, D. H.; Dacie, S.; Long, D. M. “Observations and Modelling of the Pre-flare Period of the 29 March 2014 X1 Flare” *Solar Physics*, Volume 292, Issue 2, article id.38, 2017
7. Li, Y.; Sun, X.; Ding, M. D.; Qiu, J.; Priest, E. R. “Imaging Observations of Magnetic Reconnection in a Solar Eruptive Flare” *The Astrophysical Journal*, Volume 835, Issue 2, article id. 190, 2017

Lucrarea Zuccarello, F. P.; Bemporad, A.; Jacobs, C.; **Mierla, M.**; Poedts, S.; Zuccarello, F.: *The role of streamers in the deflection of coronal mass ejections: comparison between stereo three- dimensional reconstructions and numerical simulations*, *Astrophysical Journal*, 744, 1, 66, 2012

a fost citată de:

1. Hu, Huidong; Liu, Ying D.; Wang, Rui; Zhao, Xiaowei; Zhu, Bei; Yang, Zhongwei “Multi-spacecraft Observations of the Coronal and Interplanetary Evolution of a Solar Eruption Associated with Two Active Regions” The Astrophysical Journal, Volume 840, Issue 2, article id. 76, 2017
2. D'Huys, Elke; Seaton, Daniel B.; De Groof, Anik; Berghmans, David; Poedts, Stefaan “Solar signatures and eruption mechanism of the August 14, 2010 coronal mass ejection (CME)” Journal of Space Weather and Space Climate, Volume 7, id.A7, 2017

Lucrarea **Cadicheanu, N.**, van Ruymbekke, M. & Zhu, P.: ***Tidal triggering evidence of intermediate depth earthquakes in the Vrancea zone (Romania)***, Nat. Hazards Earth Syst. Sci., 7, 733-740, 2007

a fost citată în:

1. Contadakis, M.E. , Arabelos, D.N., Vergos, G., Scordilis, E.M., Spatalas, S.D.: Variation of the earth tide-seismicity compliance parameter the last 50 years for the south Himalaia fault, nepal, Bulletin of the Geological Society of Greece, vol. 50, 2017.

Lucrarea **Mitrofan H.**, Povara I. Maftciu M., ***Geoelectrical investigations by means of resistivity methods in karst areas in Romania***, Environmental Geology, Volume: 55, Issue 2, Pages: 405-413, 2008, Factor de impact: 1,127

a fost citată în:

1. Gan F., Han K., Lan F., Chen Y., Zhang W, Multi-geophysical approaches to detect karst channels underground — A case study in Mengzi of Yunnan Province, China, Journal of Applied Geophysics, Volume: 136, Pages: 91-98, 2017, Factor de impact: 1,347

Lucrarea **Tatu M.**, **Seghedi I.**, **Nuțu M-L.**, Nicolae I., 2009, ***Contrasting Permo-Carboniferous evolution of Resita and Sirinia-Presacina basins (south Carpathians, Romania): an overview***. European Geosciences Union (EGU) General Assembly, Vienna, Austria, 19-24 April 2009.

a fost citată în:

1. Nuțu-Dragomir M-L., 2017, Sedimentary characteristics of a Permian continental succession in Sirinia Basin (South Carpathians, Romania), SGEM2017 Conference Proceedings, ISBN 978-619-7105-98-8/ISSN 1314-2704, 29 June -5 July 2017, vol. 17, issue 11, pp 503-514.

Lucrarea **Mitrofan H.**, 2000, ***Tușnad-Băi - a geothermal system associated to the most recent volcanic eruption in Romania***, World Geothermal Congress 2000, Kyushu - Tohoku, Japan, 28 May-10 June 2000, Pages: 1447-1452

a fost citată în:

1. Kis B.-M., Ionescu A., Cardellini C., Harangi S., Baciu C., Caracausi A., Viveiros F., Quantification of carbon dioxide emissions of Ciomadul, the youngest volcano of the Carpathian-Pannonian Region (Eastern-Central Europe, Romania), Journal of Volcanology and Geothermal Research, Volume: 341, Pages: 119-130, 2017, Factor de impact: 2,492

Total citări 2017 = 426

**O carte apărută într-o editură consacrată din țară
2017**

- Seghedi, I., Szakács, A., Mirea, V., Vișan, M., Luffi, P.,** 2017. Challenges of mapping in poorly-exposed volcanic areas. Guide and abstracts, *Romanian Journal of Earth Sciences*, vol 91 Special Issue, ISSN 2248-2563, 90 pp
- Bostenaru Dan M., **Anghelache M. A.**, coordonatori editare carte, 2017, Impactul hazardurilor naturale si antropice asupra ariilor urbane (Natural and man-made hazard impact on urban areas). *Ediție bilingvă, Ed. Universitara „Ion Mincu”*, ISBN 978-606-638-164-2, 126 pp.

**Un capitol într-un tratat, carte sau monografie editate
într-o editură consacrată din țară
2017**

- Anghelache M. A.**, 2017, Notă despre rolul si responsabilitățile principalilor actori implicați în combaterea dezastrelor naturale (Note about the role and responsibilities of the key actors involved in the fight against natural disasters). În Impactul hazardurilor naturale si antropice asupra ariilor urbane (Natural and man-made hazard impact on urban areas). *Ediție bilingvă, Editura Universitara „Ion Mincu”*. ISBN 978-606-638-164-2, pg. 31-33

Un articol apărut într-o revistă recunoscută de CNCS (B+) sau indexată într-o bază internațională de date (BDI) în 2017

- Pintea, I., **Iatan, E. L.**, 2017. The magmatic-hydrothermal history of the quartz polymorphs from Rosia Montana dacite inferred by solid-, melt-, and fluid inclusion assemblages. *Romanian Journal of Mineral Deposits*, vol. 90,
- Besliu-Ionescu, D.**, Donea, A., Cally, P., Current State of the Seismic Emission Associated with Solar Flares, *Sun and Geosphere*, vol.12, no.1, p.59-67, 2017
- Stanica, D., Stanica, M., Greculeasa, R., Stanica, D.A., Dobrica V., Demetrescu, C.**, Electric properties of the Romanian lithosphere, based on magnetotelluric data, *Romanian Geophysical Journal*, accepted, 2017
- Demetrescu, C., Dobrica, V., Stefan, C.**, On the geoeffectivity of solar activity before the space era, *Romanian Geophysical Journal*, accepted, 2017
- Dobrica, V., Demetrescu, C., Greculeasa, R., Stefan, C.**, On the geoelectric hazard over the Romanian territory, *Romanian Geophysical Journal*, accepted, 2017
- Maris Muntean, G., Besliu-Ionescu, D.**, Analysis of the rapid solar wind responsible for moderate geomagnetic storms during solar cycle 23, *Romanian Geophysical Journal*, accepted, 2017

O comunicare orală prezentată la o manifestare științifică internațională în 2017

- Niculae, L.**, Land degradation and erosion in Buzău Land, "*GeoSust 2017. Buzău Land aspiring Geopark Conference*", Bucharest, April 6, 2017
- Besutiu L., Zlagnean L.**, 3D geophysical insights into the Ciomadul volcano, *European Geosciences Union (EGU) General Assembly, Vienna, Austria, April 23-28, 2017*
- Bostenaru-Dan M., Theodoridou M., Hazashi M., **Anghelache M.A.**, Women in landscape architecture and heritage conservation, *EGU General Assembly, Vienna, Austria, April 23-28, 2017*
- Mares, I., Mares, C., Dobrica., V., Demetrescu, C.**, Teleconnection patterns influencing the precipitation variability in the Danube basin, *EGU General Assembly, Vienna, Austria, April 23-28, 2017*
- Rodriguez, L., Willems, S., Pant, V., **Mierla, M.**, Devos, A., Hosteaux, S., Automatic detection of CMEs in STEREO-HI data for the FP7 HELCATs project, *EGU General Assembly, Vienna, Austria, April 23-28, 2017*
- Stănică D. A., Stănică D.**, Geomagnetic signal induced by the M5.7 earthquake occurred on September 24-th, 2016, in the seismic active Vrancea zone, Romania, *EGU General Assembly, Vienna, Austria, April 23-28, 2017*
- Besliu-Ionescu, D., Mierla, M., Maris Muntean, G.**, Study of CME-ICME properties during geomagnetic storms of SC 24, *9th Workshop "Solar Influences on the Magnetosphere, Ionosphere and Atmosphere", Sunny Beach, Bulgaria, May 30 - June 3, 2017*
- Demetrescu C., Dobrica V., Greculeasa, R.**, On the sources of the largest geomagnetic storms in solar cycles 23 and 24, *Ninth Workshop "Solar Influences on the Magnetosphere, Ionosphere and Atmosphere", Sunny Beach, Bulgaria, May 30 - June 3, 2017*
- Dobrica, V., Demetrescu C.**, Assessing the present trend in the heliosphere-magnetosphere-ionosphere system, *Ninth Workshop "Solar Influences on the Magnetosphere, Ionosphere and Atmosphere", Sunny Beach, Bulgaria, May 30 - June 3, 2017*
- Pintea, I., **Berbeleac, I.**, Udubasa, S.S., **Nuțu-Dragomir, L., Iatan, L.E.**, Fluid and melt inclusions study related to the magmatic-hydrothermal apatite-anhydrite association

- from Voia porphyry Cu-Au (Mo) deposit (Metaliferi Mountains, Romania). *ECROFI 2017, Biennial Meeting, Fluid & Melt Inclusions, Nancy, France, June 23-29, 2017*
- Nuțu-Dragomir M-L.**, Sedimentary characteristics of a Permian continental succession in Sirinia Basin (South Carpathians, Romania), *17th International Multidisciplinary Scientific GeoConferences SGEM, Albena, Bulgaria, 27 June - 06 July, 2017.*
- Besliu-Ionescu, D.,** Talpeanu, D., **Mierla, M., Maris Muntean, G.**, On Geoeffectiveness of CMEs During SC24, *Second VarSITI (Variability of the Sun and Its Terrestrial Impacts) General Symposium, Irkutsk, Russia, July 10-15, 2017*
- Dobrica V., Demetrescu, C., Stefan, C.**, Space climate in the heliosphere-magnetosphere environment. Consequences in solar cycle 24, *Second VarSITI (Variability of the Sun and Its Terrestrial Impacts) General Symposium, Irkutsk, Russia, July 10-15, 2017*
- Mierla, M.**, Comparison between EUHFORIA and ENLIL: CME on September 4, 2010, *15th European Solar Physics Meeting, Budapest, Hungary, Sep 4-8, 2017*
- Szakács, A., Seghedi, I.**, The challenge of mapping in poorly-exposed volcanic areas: an introduction, *4th International Volcano geology Workshop, Eastern Transylvania, Romania, October 8-14, 2017*
- Seghedi, I., Szakács, A., Pécskay, Z., Mirea, V., Luffi, P.**, The significance of debris avalanche deposits in the architecture of the Călimani-Gurghiu-Harghita volcanic range (Eastern Transylvania, Romania), *4th International Volcano geology Workshop, Eastern Transylvania, Romania, October 8-14, 2017*
- Vișan, M.,** Panaiotu, C.G., **Seghedi, I., Mirea, V.**, Correlation of paleomagnetic data and radiometric dating along the Miocene – Quaternary volcanic range of the East Carpathians, *4th International Volcano geology Workshop, Eastern Transylvania, Romania, October 8-14, 2017*
- Besutiu L.,** Manea V.C., **Pomeran M.**, Vrancea seismic zone as an unstable triple junction: new evidence from observations and numerical modelling, *9th Congress of the Balkan Geophysical Society, Antalya, Turkey, November 5-9, 2017*
- Demetrescu C., Dobrica V., Stefan C.**, Geomagnetic field and length-of-day fluctuations at decadal and subdecadal time scales. A plea for looking beyond the atmosphere for partners in Earth's rotation, *AGU Fall Meeting, New Orleans, SUA, December 11-15, 2017*

Academia Română
 Institutul de Geodinamică
 "Sabba S.Ștefănescu"

O comunicare orală prezentată la o manifestare științifică națională în 2017

- Diacopolos C.** Applications of the vertical electrical sounding (VES) in urban areas. Case Study: Bucharest City, *GEODOCT, București, mai 2017*
- Anghelache M.-A., Mitrofan H., Chitea F., Damian A., Vișan M., Cadicheanu N.:** The space-time distribution of moderate- and large-magnitude Vrancea earthquakes fits numerically-predicted stress patterns, *6th National Conference on Earthquake Engineering and 2nd National Conference on Earthquake Engineering and Seismology Bucharest, Romania, 14-16 iunie 2017.*
- Tatu M.** New approaches on crystallization pressure of Highis anorogenic granite (Apuseni Mountains, Romania). *Simpozionul Științific "Mircea Savul", Universitatea "Alexandru Ioan Cuza", Iași, 28 octombrie 2017.*
- Nutu L., Chitea F., Stochici R., Diacopolos C.,** A New Approach of Active Faults in Subcarpathian Nappe (East Carpathians), *GEOSCIENCE- SGAR, 24 noiembrie, 2017*
- Diacopolos C., Stochici R., Visan M., Dinescu R., Bercar V., Ioane D.,** Geophysical Detection of Buried Foundations in Urban Areas, *GEOSCIENCE- SGAR, 24 noiembrie, 2017*
- Ioane D., Chitea F., Diacopolos C., Stochici R.,** ERT and VES Geophysical Study of Quaternary Formations and Local Tectonics in Large Cities. Study Case: Bucharest, Romania, *GEOSCIENCE- SGAR, 24 noiembrie, 2017*
- Chitea F.,** Ioane D., Diaconu A., ERT Studies for Road Design and Road Inspection, *24 noiembrie, 2017*
- Stănică D. A., Stănică D.,** Anomalous Geomagnetic Variations Related to the Mw 8.1 Chiapas Earthquake (Mexico), on September 8-th 2017, *GEOSCIENCE- SGAR, 24 noiembrie 2017.*
- Niculae L., Mitrofan H., Cadicheanu N., Vișan M., Anghelache M.-A., Chitea F.,** Propagation rate of the Vrancea slab lateral detachment: Estimates derived from the Post-Pliocene evolution of the South-East Carpathians' topography, *GEOSCIENCE- SGAR, 24 noiembrie 2017.*
- Furnică V.,** Some precursory features of geomagnetic storm sudden commencement (SSC) for strong earthquakes, *GEOSCIENCE- SGAR, 24 noiembrie 2017.*

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Un contract extrabugetar obținut de către institut/centru de la organizații internaționale sau naționale în 2017

Un grant câștigat de către institut/centru de la organizații internaționale

Proiect GeoSust, tip parteneriat, contract 22 SEE/30.06.2014 *Applied Research for sustainable development and economic growth following the principles of geoconservation: Supporting the Buzau Land UNESCO Geopark Initiative*. Proiect SEE, Cercetare in Sectoare Prioritare, EEA Grants
Valoare totala proiect – 866.450 euro

Capacitatea de a pregăti superior tineri cercetători (doctorat) în 2017

1. Cismariu Bogdan
2. Diacopolos Constantin
3. Ionescu Daniela Nicoleta
4. Mirea Viorel Marian
5. Moraru Monica
6. Păun Rareș Dumitru
7. Pîrloagă Răzvan Gabriel
8. Pomeran Mihai
9. Popa Gabriel-Răzvan
10. Stochici Răsvan
11. Văduva Ionela

**Membri în colectivele de redacție ale revistelor ISI
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Membru în Advisory Scientific Board al revistei **Geologica Balcanica** - Dr. Alexandru Szakacs

Membru în colectivul de redacție (Advisory Board) al revistei "Geologica Carpathica" (Slovenia la Bratislava). www.geologicacarthica.sk and www.versita.com - Dr.Ioan Seghedi

Membru în colectivul "European Science Foundation Pool of Reviewers" pentru perioada 01 Mai 2012 - 30 Aprilie 2017 - Dr.Ioan Seghedi

Membru în colectivul de redacție (Scientific Board) al revistei **Central European Geology** (Ungaria, Budapesta) Copyright © 2017 Akadémiai Kiadó Zrt. - Dr.Ioan Seghedi

Membru în colectivul de redacție al revistei **SUN & GEOSPHERE** publicată de „*The Balkan, Black Sea and Caspian Sea Network for Space Weather Studies*” (ISSN: 1819 – 0839) – G. Muntean

Referent al publicației **SUN & GEOSPHERE; Solar Physics; Journal of Geophysical Researches** – G. Muntean

Săndulescu A., Academician, **Romanian Journal of Physics**, Editura Academiei Române, București

Zugrăvescu D., Membru corespondent al Academiei Române, **Romanian Journal of Physics**, Editura Academiei Române, București

**Membri în colectivele de redacție ale revistelor recunoscute national (categoria B în clasificarea CNSIS)
2017**

Membri în colectivul de redacție al revistei

Revue Roumaine de Géophysique, Editura Academiei Române, București:

- Dr.ing. Dorel Zugrăvescu, Membru corespondent al Academiei Române
- Dr. Crișan Demetrescu, Membru corespondent al Academiei Române
- Dr.ing. Dumitru Stanica - Romanian Geophysical Journal –BDI
- Prof.dr.ing.Paul Georgescu

Studii și comunicări/DIS, vol. X/2017 (coord.Dumitru Murariu; Ștefan Negrea, Alexandru Marinescu; Valentin Marin), Editura MEGA, Cluj.Napoca, sub auspiciile CRIFST al Academiei Române, 434 de pagini, [ISSN 1844–9220], accesibilă online [ISSN-L: 1844 – 9220], <http://studii.crifst.ro/2017.php>, indexată și la baza de date: <http://www.scipio.ro/web/149905>

- Mirela Adriana Anghelache - Secretar de redacție

Membru în colectivul de redacție al **Romanian Journal of Earth Sciences** editata de **IGR Bucuresti** - Dr.Ioan Seghedi

Membru în Editorial Advisory Board al **Studia Universitatis Babes-Bolyai – Geologia** - Dr.
Alexandru Szakacs
Membru în comitetul științific al **Geophysical Journal**, ISSN 0203-3100, **Kiev, Ukraine** –
Dr. Besutiu Lucian

**Cercetatori cu indice Hirsch peste 8
2017**

Acad. Aureliu Săndulescu	h=27
Dr.Ioan Seghedi	h=19
Dr.Alexandru Szakacs	h=18
Dr.Peter Luffi	h=12
Dr.Crișan Demetrescu	h=10
Dr.ing.Dumitru Stănică	h=8
Dr.Venera Dobrică	h=8

Premii ale Academiei Române

1. Premiul „Gheorghe Murgoci” – 1965 - Dr.ing.Dorel Zugrăvescu, membru corespondent al Academiei Române
2. Premiul „Gheorghe Murgoci” – 1985 - Dr.Crișan Demetrescu, membru corespondent al Academiei Române
3. Premiul "Gh. Munteanu Murgoci" – 1987 – Dr. Besutiu, L.
4. Premiul „Gheorghe Murgoci” – 1996 - Dr.ing. Dumitru Stănică, Maria Stănică
5. Premiul „Lodovic Mrazec” – 2010 - Dr.Ioan Seghedi
6. Premiul „Ștefan Hepites” – 2010 - Dr.Venera Dobrică, Georgeta Mariș
7. Premiul „Ștefan Hepites” – 2010 - Florin Munteanu
8. Premiul „Ștefan Hepites” – 2011 - Dr.Marilena Mierlă

Un premiu (distincție) al unei societăți științifice naționale obținut printr-un proces de selecție

Zugrăvescu D., Șuțeanu C., Ioana C., Munteanu Fl., 1994, Premiul „Sabba S.Ștefănescu”, conferit de Societatea Română de Geofizică

Zugrăvescu D., 1996, Medalia AGIR

Zugrăvescu D., 1996, Meritul Științific

Munteanu Fl., Zugrăvescu D., Șuțeanu C., 2000, Diplomă de Excelență în cercetare Agenția Națională pentru Știință, Tehnologie și Inovare (ANSTI)

Zugrăvescu D., 2001, Premiul „Radu Botezatu” acordat de Academia Oamenilor de Știință din România

Zugrăvescu, D., 2002, Premiul de Excelență și Diploma de Onoare, Fundația „Ion Basgan”

Stănică, D., Diploma de excelență și premiul I, pentru înaltul nivel științific și tehnologic al realizării „Tehnologie și echipament specializat destinate urmării câmpurilor magnetoteluric și de stress în scopul evidențierii unor parametri cu caracter precursor

cutremurelor vrâncene”, MENER, CONRO 2004, acordat de Ministerul Educației și Cercetării –

Nutu M.L., Premiul I la Al-II-lea Simpozion National al Studentilor Geologi, Sectia Sedimentologie, organizat de Cluj Student Chapter afiliat la AAPG, 23-25 Martie 2001, pentru lucrarea Analiza sedimentara a Stratelor de Comarnic de varsta Cretacic inferior (Valea Prahovei).

Premiu CNCSIS – 2009 – pentru lucrarea Ionescu, C., Hoeck, V., Tomek, C., Koller, F., Balintoni, I., **Besutiu, L.** (2008) *New insights into the basement of the Transylvanian Depression (Romania)*, Lithos, doi:10.1016/j.lithos.2008.06.004, ISSN: 0024-4937

Premiu CNCSIS – 2010 – pentru lucrarea **Mitrofan, H.**, Marin, C., **Zugrăvescu, D.**, **Chitea, F.**, **Anghelache, M.-A.**, **Besutiu, L.**, and Tudorache, A. (2010) Persistent pre-seismic signature detected by means of Na-K-Mg geothermometry records in a saline spring of Vrancea area (Romania); *Nat. Hazards Earth Syst. Sci.*, 10, 217–225

Zugrăvescu, D., 2010, The Society of Exploration Geophysicists, Premiul de Excelență în Geostiințe

Popa, R.G., 2011, Premiul „Dumitru Sandu” pentru Activitate Profesională Meritorie în Domeniul Geofizicii, Universitatea din București

Popa, R.G., 2011, Premiul Hope, pentru Excelență în Cercetare Geologică, Universitatea din București

Zugrăvescu D., 2011, Ordinul "Pentru Merit" în grad de "Ofițer"

Popa, R.G., 2012, Premiul Societății de Geofizică Aplicată din România

Mitrofan H., Chitea F., Anghelache M.-A., Visan M., 2014- *Possible triggered seismicity signatures associated with the Vrancea intermediate-depth strong earthquakes (Southeast Carpathians, Romania)*. Seismological Research Letters, March/April 2014 , v. 85, 314-323. doi:10.1785/0220130045, Print ISSN: 0895-0695, Online ISSN: 1938-2057
Nr. crt. 2557

http://uefiscdi.gov.ro/userfiles/file/PREMIERE_ARTICOLE/ARTICOLE%202014/ACTUALIZARE%2023_12_2014/LISTA%205%20REZULTATE%20-%20actualizata%20-%2018_12_2014.pdf

Zugrăvescu D., 2014, Diploma „Opera Omnia” decernată de către ASTR

Mitrofan H., Chitea F., Anghelache M.-A., Visan M., Possible triggered seismicity signatures associated with the Vrancea intermediate-depth strong earthquakes (Southeast Carpathians, Romania). *Seismological Research Letters, Geophys. J. Int.*, 2016, 205 (2), 864–875, doi: 10.1093/gji/ggv533, http://uefiscdi.gov.ro/userfiles/file/PNCDI%20III/P1_Resurse%20Umane/PRECISI_2016/PROCES%20EVALUARE/Rezultate/PRECISI_2016_Rezultate%20eligibilitate_lista%203_actualizare%2028_10_2016.pdf, la Nr. crt. 419

Zugrăvescu D., 2017, Diplomă și Medalie jubiliară ASTR

Munteanu Fl., 2017, Diplomă și Medalie jubiliară ASTR

Un premiu (distincție) al unei societăți științifice internaționale obținut printr-un proces de selecție

1. **Ștefan C.**, „Outstanding young scientist poster” pentru posterul prezentat la Adunarea Generală a EGU (*European Geosciences Union*) 2013 și anume: Ștefan C., Demetrescu C., Dobrica V., Long-term external effects in annual means from observatory and main field models, European Geosciences Union General Assembly, Vienna, Austria, 7 – 12 April 2013.
2. Premiul „Best presentation” la secțiunea de Applied Geophysics, obținut în cadrul „14th International Multidisciplinary Scientific GeoConference SGEM 2014”, Bulgaria pentru lucrarea: **Chitea F.**, Ioane D., Airinei I., Serban A., Dorobantu A., 2014, Geoelectrical methods applied for prospecting an area with geothermal potential
3. **Chitea F.**, Premiul „Best Pitch” Award în cadrul HEPTech Symposium “Connecting Science and Commerce”, Prague, the Czech Republic, 2015
4. Best paper and presentation at 17th International Multidisciplinary Scientific GeoConferences SGEM, Albena (Bulgaria), 27 June - 06 July 2017, Geology section: **Nuțu-Dragomir M-L.**, *Sedimentary characteristics of a Permian continental succession in Sirinia Basin (South Carpathians, Romania)*
5. **Stanica D.** – Certificate for „Remarkable Contributions to exploration Geophysics in Romania”, 2000, by Society of Exploration Geophysicists

Un membru de onoare (*fellow, senior*) al unei societăți științifice naționale/internaționale

1. **Zugrăvescu, D.**, 1987, Doctor în Știință, Societatea Internațională de Medicină Alternativă, SUA
2. **Zugrăvescu, D.**, 1995, membru titular al Academiei Naționale de Științe Ecologice – Republica Moldova
3. **Zugrăvescu, D.**, 1996, membru titular al Academiei de Științe și Arte din Chișinău – Republica Moldova
4. **Zugrăvescu, D.**, 1997, membru de onoare al Asociației Generale a Inginerilor din România (AGIR)
5. **Zugrăvescu, D.**, 2001, Doctor Honoris Causa al Universității din Petroșani
6. **Zugrăvescu, D.**, 2006, membru fondator și membru titular al Academiei Germano-Române – Germania
7. **Zugrăvescu, D.**, 2010, Membru titular din străinătate al Academiei Ruse de Științe Naturale