

### Papers in ISI-ranked journals

- CIOBOTEA-BARBU, O.-C., CIOBOTARU, I.-A., VĂIREANU, D.I., DUMITRAȘ, D.-G. & CĂLIN (2019): XRD, Raman and SEM surface analysis on Ni-Cu electrodeposited layers. *Journal of Optoelectronic and Advanced Materials*, **21 (7-8)**, 536-540.
- MARINCEA, Ș. & DUMITRAȘ, D.-G. (2019): Contrasting types of boron-bearing deposits in magnesian skarns from Romania. *Ore Geology Reviews*, **112**, 1-20.
- MARINCEA, Ș., DUMITRAȘ, D.-G., SAVA, C., HATERT, F., DAL BO, F. (2020): Mineralogy of a high-temperature skarn, in high CO<sub>2</sub> activity conditions: The occurrence from Măgureaua Vaței (Metaliferi Massif, Apuseni Mountains, Romania). *Minerals*, **10(8)**, 677 (DOI 10.3390/min10080677).
- NICULA, L.M., CORBU, O., ILIESCU, M. & DUMITRAȘ, D.-G. (2020): Using the blast furnace slag as alternative source in mixtures for the road concrete for a more sustainable and a cleaner environment. *Romanian Journal of Materials*, **50(2)**, 224 – 231.
- SZABO, R., POPESCU, G.C., DUMITRAȘ, D.-G. & GHINESCU, E. (2020): New occurrences of sulfate minerals in Jiul de Vest upper basin, South Carpathians, Romania. *Carpathian Journal of Earth and Environmental Sciences*, **15(2)**, 347-358 (DOI 10.26471/cjees/2020/015/135)

### Papers in BDI-ranked journals

- IATAN, E.-L. & BERBELEAC, I. (2018): Neogene mineralizations of Bucium Rodu - Frasin Au-Ag deposits, South Apuseni mountains, Romania. *Rom. J. Mineral Deposits*, 91, 25-30, ISSN 1220-5648.
- MACOVEI, M., DANCIU I., SEBE-RĂDOI O., GRIGORE D., CRUȘOVEANU-RUSU S. (2020): Preliminary evaluation of the Abator Quarry – Hârșova (Romania) – A Proposal for a new geosite. „*Oltenia. Studii și Comunicări. Științele Naturii*”, **36(1)**, 21-28.
- MACOVEI, M., GRIGORE, D., SEBE-RĂDOI, O.G., DUMITRAȘ D.-G., CRUȘOVEANU-RUSU, S. (2019): Degradation of paleontological samples which contain pyrite and/or marcasite - considerations on their conservation. „*Oltenia. Studii și Comunicări. Științele Naturii*”, **35(2)**, 13-20.

- NICULAE, L. (2018): The dynamics, geomorphology and the relationship of the mass movement with the geology in the subcarpathian area, between the Buzău and the Călnău rivers. *Rom. J. Mineral Deposits*, 91, 85 - 90, ISSN 1220-5648.
- PANTIA, A.I, FILIUȚĂ, A.E. (2019): Blue quartz around the globe. „*Oltenia. Studii și Comunicări. Științele Naturii*”, 35(2), 207-213.
- PINTEA, I., NUȚU-DRAGOMIR, M.-L., UDUBAȘA, S.S., BÎRGĂOANU, D., IATAN, L.E., BERBELEAC, I. & BARBU, O.C. (2018): Hydrosilicate aqueous - and vapor - “melt” inclusions in some specific rocks and minerals from romania. *Rom. J. Mineral deposits*, 91, 13 - 18, ISSN 1220-5648.
- TONCO, A.T., NEACȘU, A. & DUMITRAȘ, D.-G. (2018): Evaluation of the present demand and supply of gems, minerals and rocks of aesthetic value in the exhibitions organized by the Geological Institute of Romania – National Museum of Geology. *Rom. J. Mineral Deposits*, **91** (1 – 2), 97 – 102.

#### **Papers in symposia volumes**

- CĂLIN, N., DUMITRAȘ, D.-G., MARINCEA, Ș., CONSTANTINA, C. & ION, A.M. (2020): Minerals viewed throught the economic prism in Conțu Fields, Cindrel Mountains, Romania. *SGEM Conferrence Proceedings 2020*, in press.
- CĂLIN, N., DUMITRAȘ, D.-G., MARINCEA, Ș., GHINESCU, E. (2019): Minerals indicated for the first time in Conțu pegmatite field, Cindrel Mountains, Romania. *Geosciences in the 21-st Century. Extended Abstracts volume*, ISBN 978-606-94742-7-3, 26-27.
- CONSTANTINA, C., DUMITRAȘ, D.-G., LASLO-FAUR, A., CĂLIN, N. & PASUK, I. (2020): Study of the argilized (bentonitized) deposits in Gurasada area - Southern Apuseni Mountains, Romania. *SGEM Conferrence Proceedings 2020*, in press.
- DINCĂ, G. & POPESCU, G. (2019): New minerals from Săcărâmb ore deposit. *Geosciences in the 21-st Century. Extended Abstracts volume*, ISBN 978-606-94742-7-3, 35-38.
- DINCĂ, G., POPESCU, G., BÎRGĂOANU, D. & CIOBOTEA-BARBU, O.-C. (2019): Pb-Sb/As sulfosalts from Săcărâmb Au-Ag-Te ore deposit (Romania). *Life with Ore Deposits on Earth - 15th SGA Biennial Meeting 2019*, Vol. 4, 1800-1803.
- DUMITRAȘ, D.G., MARINCEA, Ș., IANCU, A.M. & CONSTANTINA, C. (2019): Brushite from several caves in Southern Romania: Crystallographic and infrared data.

- Geosciences in the 21-st Century. Extended Abstracts volume*, ISBN 978-606-94742-7-3, 54-57.
- IATAN, E.-L. (2019): Environmental problems associated with the mining activities in the Apuseni Mountains, Romania. *Geosciences in the 21-st Century. Extended Abstracts volume*, 82-86, ISBN 978-606-94742-7-3.
- ILINCA, G. & TOPA, D. (2019) Cannizzarite in Romanian occurrences. *Geosciences in the 21-st Century. Extended Abstracts volume*, 87-90, ISBN 978-606-94742-7-3.
- MACOVEI, M., GRIGORE, D., BARBU, I. & DANCIU, I. (2019): Museum geoconservation – primary assessment on the condition of mineralogical samples containing pyrite/marcasite within the National Museum of Geology – Bucharest. *Geosciences in the 21-st Century. Extended Abstracts volume*, ISBN 978-606-94742-7-3, 108-111.
- MARINCEA, Ș. & DUMITRAȘ, D.-G. (2019): Ludwigite in magnesian skarns from Romania: A review. *Geosciences in the 21-st Century. Extended Abstracts volume*, ISBN 978-606-94742-7-3, 118-122.
- PANTIA, A.I., FILIUȚĂ A.E. & LÖRINCZ, S. (2019): Blue quartz in Romania – a preliminary mineralogical study. *Geosciences in the 21-st Century. Extended Abstracts volume*, ISBN 978-606-94742-7-3, 153-157.
- POPESCU, G. & NEACȘU, A. (2019): The odyssey of mineral resources vs. necessities, possibilities and requirements. *Geosciences in the 21-st Century. Extended Abstracts volume*, ISBN 978-606-94742-7-3, 181-185.
- SAVA, C. & MARINCEA, Ș. (2019): Vesuvianite in high-temperature skarns from Romania: a review. *Geosciences in the 21-st Century. Extended Abstracts volume*, ISBN 978-606-94742-7-3, 192-195, .
- SZABO, R., POPESCU, G.C., DUMITRAȘ, D.-G. & CONSTANTINA, C. (2019): New mineral occurrences on the north side of Vâlcan Mountains. *Geosciences in the 21-st Century. Extended Abstracts volume*, ISBN 978-606-94742-7-3, 212-216.
- TATU, M. & IATAN, E.-L. (2019): New approaches on crystallization pressure of some Late Cretaceous granitoids from Romania. *Geosciences in the 21-st Century. Extended Abstracts volume*, 217-222, ISBN 978-606-94742-7-3.

#### **Short abstracts in symposia volumes**

- CĂLIN, N., DUMITRAȘ, D.-G., MARINCEA, Ș., IANCU, A.M. & SAVA C. (2019): Metasomatic replacements in the phosphate mineral association from the Li-bearing pegmatites in Conțu, Romania. *Goldschmidt Abstracts*, 2019, 454.

- CĂLIN, N., DUMITRAȘ, D.-G., SIMION, G.C., MARINCEA, Ș., ION, A.-M., CONSTANTINA, C., POLL, I., IANCU, A.M. & SAVA, C. (2020): Phosphates diversity and development in Conțu pegmatites, Cindrel Mountains, Romania. *Goldschmidt Abstracts*, 310.
- DUMITRAȘ, D.G., HAITĂ, C., TALMAȚCHI, C., BUGOI, R.N. & MARINCEA, Ș. (2018): Preliminary mineralogical and physico-chemical study of Byzantine pottery from Hârșova, Dobrogea, Romania. *22nd General Meeting of IMA, Melbourne, 2018, Abstract Volume*, 537.
- DUMITRAȘ, D.-G. & MARINCEA, Ș. (2019): Hydroxylapatite in few fossil bat-guano deposits from caves in Romania. *Goldschmidt Abstracts*, 2019, 867.
- DUMITRU, A.G., DUMITRAȘ, D.-G. & MARINCEA, Ș. (2018): The National Museum of Geology – a mineralogical treasure. *22nd General Meeting of IMA, Melbourne, 2018, Abstract Volume*, 478.
- GRĂDINARU, M., PETRESCU, L., LAZĂR, I. & DUCEA, M. (2019): Evidence of microbial and chemical signatures in Middle Jurassic ferruginous stromatolites from the Southern Carpathians, Romania. *Goldschmidt Abstracts*, 2019, 1192.
- IANCU, A.M., DUMITRAȘ, D.-G., MARINCEA, Ș. & SAVA, C. (2019): The impact on the environment of the phosphogypsum stacks in Romania. *Goldschmidt Abstracts*, 2019, 1459.
- IANCU, A.M., MARINCEA, Ș., DUMITRAȘ, D.-G., SAVA GHINEȚ, C. & CĂLIN, N. (2018): Comparative mineralogical and geochemical study on four phosphogypsum deposits in Romania. *22nd General Meeting of IMA, Melbourne, 2018, Abstract Volume*, 476.
- HÎRTOBANU, P., SCOTT, W.P. & CĂLIN, N. (2018): New data on johannsenite and its mineral associations in Bistrița Mts., Romania. *22nd General Meeting of IMA, Melbourne, 2018, Abstract Volume*, 461.
- MARINCEA, Ș., DUMITRAȘ, D.-G. & SAVA, C. (2018): Szaibelyite within five occurrences of magnesian skarns from Romania: New mineralogical data. *22nd General Meeting of IMA, Melbourne, 2018, Abstract Volume*, 465.
- MARINCEA Ș., DUMITRAȘ D.-G. & SAVA C. (2019): Ludwigite within five occurrences of magnesian skarns from Romania: New mineralogical data. *Goldschmidt Abstracts*, 2019, 2152.

- PANTIA, A.I., DUMITRAȘ, D.-G. & MARINCEA, Ș. (2019): Preliminary mineralogical data on the magnesian skarns from Sârca Valley, Budureasa area, Romania. *Geophysical Research Abstracts*, **21**, EGU2019-5654.
- PANTIA, A.I., FILIUȚĂ, A.E., LÖRINCZ, S., DUMITRAȘ, D.-G., ION, A. & MARINCEA, Ș. (2019): The REE and trace elements potential of the Albești Granite, Argeș County, Romania. *Goldschmidt Abstracts*, 2019, 2569.
- PETRESCU, L., DUCEA, M., GALICEANU, R. & BÂRLĂ, A. (2020): Adakites in relatively thin crust above continental collisional zones: Products of continental subduction-related melting. *Goldschmidt Abstracts*, 2020, 2071.
- PETRESCU, L., JIANU, D. & UDUBAȘA, S.S. (2018): Impact of a historic Mercury mine and Hg processing plant on the surrounding surface soils (Apuseni Mts., Romania). *Goldschmidt Abstracts*, 2018, 2013.
- PINTEA, I., UDUBAȘA, S.S., BÎRGĂOANU, D., IATAN, E.-L. & BARBU, O.C. (2018): Micro-thermometry and Raman spectroscopy of fluid and melt inclusions in the Alpine porphyry copper deposits from Romania: Insights on Micrometallogeny. *Goldschmidt Abstracts*, 2018, 2033.
- PINTEA, I., UDUBAȘA, S.S., GHINESCU, E., IATAN, E.L., BERBELEAC, I. & PETRESCU, L. (2020): Remnants of „nelsonitic” apatite as a possible source of phosphorous from epithermal and porphyry copper deposits of Carpathians (Romania). *Goldschmidt Abstracts*, 2020, 2088.
- PINTEA, I., UDUBAȘA, S.S., NUȚU-DRAGOMIR, M.L., IATAN, E.-L., BERBELEAC, I., PETRESCU, L. & GHINESCU, E. (2019): Clathrasil compound evidence in fluid and brine inclusions by microthermometry and Raman spectroscopy. *Goldschmidt Abstracts*, 2019, 2672.
- SAVA, C., MARINCEA, Ș., DUMITRAȘ, D.-G., IANCU, A.M., VANHEYTE, J. & DALBO, F. (2019): Vesuvianite from the high-temperature skarn occurrences from Romania. *Goldschmidt Abstracts*, 2019, 2974.
- SEBE RĂDOI, O.G., DUMITRAȘ, D.G., MARINCEA, Ș., CĂLIN, N., BÎRGĂOANU, D. & BARBU, O.C. (2018): Preliminary mineralogical study of the diatomites from Miniș, Zarand Basin. *22nd General Meeting of IMA, Melbourne, 2018, Abstract Volume*, 397.
- SIMION, C., DUMITRAȘ, D.G., BALTREȘ, A., PERȘA, D. & GHINESCU, E. (2019): Geochemical and mineralogical characteristics of the thermal mineral waters from Hârșova, Romania. *Goldschmidt Abstracts*, 2019, 3115.

- SIMION, C. & MARINCEA, Ș. (2019): 3D Structural Model in Beius, Basin and its adjacent areas, Romania; a study to propose a potential location for the installation of a CHPM system. *Geophysical Research Abstracts*, **21**, EGU2019-13061.
- TALMATCHI, C., DUMITRAȘ, D.G., HAITĂ, C., BUGOI, R.N., MARINCEA, Ș. & DUMITRU, A.G. (2018): Pottery from Oltina, Dobruja, Romania. Preliminary mineralogical study. *22nd General Meeting of IMA, Melbourne, 2018, Abstract Volume*, 409.
- TATU, M., IATAN, E.-L. (2020): New approaches regarding the geodynamic constraints of Late Cretaceous magmatism in Carpathian area. *Geophysical Research Abstracts*, **22**, 2020-2904
- UDUBAȘA, S.S., PETRESCU, L. & UDUBAȘA, G., (2018): Micro-inclusions in Ag-bearing sulpho-salts assemblages – Possible key to estimate the ore fluid evolution in Dealul Crucii Ore Deposit, Romania. *Goldschmidt Abstracts*, 2018, 2596.

#### **Oral presentations at symposia and conferences**

- FILIUȚĂ, A.E. (2019): "Resurse critice în Uniunea Europeană. Studiu de caz - skarnele magneziene cu borați de la Pietroasa"; A-XV-a Ediție a Sesiunii Naționale de Comunicări Științifice, Bârlad, Muzeul "Vasile Pârvan", 10 – 11 mai 2019.
- IATAN, E.-L. (2019): Probleme de mediu asociate activităților miniere din partea de nord a Munților Metaliferi. Simpozionul Național Bianual de Mediu "Țara Abrudului – Aur și Oameni" (Ediția a III-a); februarie 2019, Abrud, România.
- PANTIA, A.I. (2019): "Educația geologică în cadrul muzeal". A-XV-a Ediție a Sesiunii Naționale de Comunicări Științifice, Bârlad, Muzeul "Vasile Pârvan", 10 – 11 mai 2019.