

# Životopis

## Identifikace osoby

- Jaromír Leichmann, 27.01.1963, Brno, ženatý, počet dětí 1

## Pracoviště

- Ústav geologických věd, PŘF MU Brno

## Funkce na pracovišti

- docent

## Vzdělání a akademická kvalifikace

- 2018 dokončeno profesorské řízení na MU
- 2004 habilitace
- 1996 Dr. rer.nat, Geologie a Geofyzika, Universität Salzburg
- 1988 RNDr., Geologie, MU Brno
- 1987 Ms., Geologie, MU Brno

## Přehled zaměstnání

- 1996-2019 MU Brno
- 1993-1995 Universität Salzburg
- 1988-1992 MU Brno
- 1987-1988 GEAM Dolní Rožínka

## Pedagogická činnost

- Přednášky: Katodová luminiscence, Magmatické procesy, Základy geologie, Aktivní tektonika, Brunovistulikum, Nerudní suroviny, Regionální geologie světa, Analytické metody v petrologii, Carbon Capture and Storage.
- Ukončeno 44 bakalářů, 50 magistrů a 4 PhD studenti.

## Vědeckovýzkumná činnost

### Nejvýznamnější projekty

- Trace elements in the quartz - the conserve information about the evolution of the melt evolution / GACR
- The Inter-university Laboratory - Josey underground Educational Facility. MSMT
- North Bohemian diamond bearing granulites. GACR
- Energetical infrastructure and their influence on the energetical safety - GAMU

- Partial melting in the root zone of the variscan orogeny - GACR
- Open processes in the granitic rocks. GACR
- Earth Sciences in the middle and eastern Europe - CEEPUS
- Capture and storage of CO<sub>2</sub> - Norway grants
- Interaction between chemicals, environments and biological systems - MSMT
- Element distribution related to alteration of rock-forming and accessory minerals in granitic rocks - GACR
- Igneous rocks of the Niemcza zone and eastern part of moldanubicum - different exposition level of the same orogen? - Aktion
- Geological processes and their environmental implication. MSMT
- Using of gamma ray spectrometry for the provenance study of siliciclastic sediments. GACR
- Exhumation of the Variscan lower crust - constraints from the Visean siliciclastics (Eastern Bohemian Massif). GACR
- Model of the uranium mineralisation on the U deposit Rozna. GACR
- The topas-bearing granites from the Krudum massif. GACR
- Ein Karbonatitkomplex auf der Aegaeinsel Anafi – FWF Austria
- Hydrothermal potential of the Area – Interreg, 2018
- Long-term research of geochemical barriers for nuclear waste disposal - OP VVV. 2018

**Publikace na WOS 28, celkové citace 459, H - index 12**

#### **Dlouhodobé akademické stáže**

- 1993-1995, 1999, 2002, 2003-2004, 2007 Universität Salzburg
- 2001 University of Silesia, Sosnowiec
- 2001, 2002 University of Vienna

#### **Univerzitní aktivity**

- 2018 proděkan fakulty
- 2010-2018 děkan fakulty
- 2007-2010 ředitel Ústavu geologických věd
- 2003-2005 předseda AS PŘF MU Brno

#### **Mimouniverzitní aktivity**

- člen Society for luminescence microscopy and spectroscopy
- člen Society of Economic Geologists
- člen panelu GAČR (do 2012)
- hodnotitel NAU, předseda hodnotící komise NAU

#### **Ocenění vědeckou komunitou**

- Vyzvané přednášky: Wien, Sosnowiec, Krakow, UK Praha, Varšava, Bratislava

## Vybrané publikace (WOS)

1. Wertich, V, Leichmann, J., Dosbaba, M., Götz, J. Multi-Stage Evolution of Gold-Bearing Hydrothermal Quartz Veins at the Mokrsko Gold Deposit (Czech Republic) Based on Cathodoluminescence, Spectroscopic, and Trace Elements Analyses. *Minerals*, Basel, Switzerland: MDPI, 2018, roč. 8, č. 8, s. 336-351. ISSN 2075-163X. doi:10.3390/min8080335.

WOS, IF 1.8, Q2

2. Leichmann, J., Gnojek, I., Novák, M., Sedlák, J., Houzar, S. Durbachites from the Eastern Moldanubicum (Bohemian Massif): erosional relics of large, flat tabular intrusions of ultrapotassic melts—geophysical and petrological record (2017) *International Journal of Earth Sciences*, 106 (1), pp. 59-77. DOI: 10.1007/s00531-016-1296-1

WOS, IF 2.283, Q2

3. Benedová, Š., Leichmann, J. Experimental study of anisotropy of quartz dissolution and its role in fluid migration in rocks (2016) *Acta Geodynamica et Geomaterialia*, 13 (2), pp. 193-200.

DOI: 10.13168/AGG.2016.0001

WOS; IF 0.699

4. Matysová, P., Gotze, J., Leichmann, J., Škoda, R., Strnad, L., Drahota, P., Grygar, T.M. Cathodoluminescence and LA-ICP-MS chemistry of silicified wood enclosing wakefieldite-REEs and v migration during complex diagenetic evolution (2016) *European Journal of Mineralogy*, 28 (5), pp. 869-887.

DOI: 10.1127/ejm/2016/0028-2556

WOS; IF 1.362; Q2

5. Wertich, V ; Leichmann, J ; Dosbaba, M Mokrsko Gold Deposit: Cathodoluminescence Textures of Hydrothermal Quartz, Fluorite and Geochronology - Supporting Evidence for Intrusion Related Gold Deposit. 13th SGA Biennial Meeting on Mineral Resources in a Sustainable World (2015)

6. Hönig, S., Copjaková, R., Škoda, R., Novák, M., Dolejš, D., Leichmann, J., Galiová, M.V. Garnet as a major carrier of the y and REE in the granitic rocks: An example from the layered anorogenic granite in the Brno Batholith, Czech Republic (2014) *American Mineralogist*, 99 (10), pp. 1922-1941.

DOI: 10.2138/am-2014-4728

WOS; IF 2.021; Q2

7. Leichmann, J., Kořistková, T., Zeman, J., Pacík, D. Microstructural analysis of a urinary stone as evidence of experimentally observed processes of their formation (2012) *Urological Research*, 40 (6), pp. 791-792.

DOI: 10.1007/s00240-012-0493-z

WOS; IF 1.394

8. Šimíček, D., Bábek, O., Leichmann, J. Outcrop gamma-ray logging of siliciclastic turbidites: Separating the detrital provenance signal from facies in the foreland-basin turbidites of the Moravo-Silesian basin, Czech Republic (2012) *Sedimentary Geology*, 261-262, pp. 50-64.

DOI: 10.1016/j.sedgeo.2012.03.003

WOS, IF 2.373; Q1

9. Šťastná, A., Šachlová, Š., Pertold, Z., Příklad, R., Leichmann, J. Cathodoluminescence microscopy and petrographic image analysis of aggregates in concrete pavements affected by alkali-silica reaction

(2012) *Materials Characterization*, 65, pp. 115-125.  
DOI: 10.1016/j.matchar.2012.01.008  
WOS; IF 2.714; Q1

10. Hönig, S., Leichmann, J., Novák, M.  
Unidirectional solidification textures and garnet layering in Y-enriched garnet-bearing aplite-pegmatites in the Cadomian Brno Batholith, Czech Republic  
(2010) *Journal of Geosciences*, 55 (2), pp. 113-129.  
DOI: 10.3190/jgeosci.065  
WOS; IF 0.609

11. Kotková, J., Schaltegger, U., Leichmann, J.  
Two types of ultrapotassic plutonic rocks in the Bohemian Massif - Coeval intrusions at different crustal levels  
(2010) *Lithos*, 115 (1-4), pp. 163-176.  
DOI: 10.1016/j.lithos.2009.11.016  
WOS; IF 3.677, Q1

12. Matysová, P., Rössler, R., Götze, J., Leichmann, J., Forbes, G., Taylor, E.L., Sakala, J., Grygar, T.  
Alluvial and volcanic pathways to silicified plant stems (Upper Carboniferous-Triassic) and their taphonomic and palaeoenvironmental meaning  
(2010) *Palaeogeography, Palaeoclimatology, Palaeoecology*, 292 (1-2), pp. 127-143.  
DOI: 10.1016/j.palaeo.2010.03.036  
WOS; IF 2.578; D1

13. Leichmann, J., Jacher-Sliwczynska, K., Broska, I.  
Element mobility and fluid path ways during feldspar alteration: Textural evidence from cathodoluminescence and electron microprobe study of an example from tonalites (High Tatra, Poland-Slovakia)  
(2009) *Neues Jahrbuch für Mineralogie, Abhandlungen*, 186 (1), pp. 1-10.  
DOI: 10.1127/0077-7757/2009/0124  
WOS; IF 0.811

14. Simicek, D ; Babek, O; Leichmann, J , Provenance analysis and gamma-ray spectra of carboniferous flysch sediments (bohemian massif, czech republic). 27th IAS Meeting of Sedimentology, 2009

15. Kríbek, B., Žák, K., Dobeá, P., Leichmann, J., Pudilová, M., René, M., Scharm, B., Scharmová, M., Hájek, A., Holeczy, D., Hein, U.F., Lehmann, B.  
The Rožná uranium deposit (Bohemian Massif, Czech Republic): Shear zone-hosted, late Variscan and post-Variscan hydrothermal mineralization  
(2009) *Mineralium Deposita*, 44 (1), pp. 99-128.  
DOI: 10.1007/s00126-008-0188-0  
WOS; IF 3.396; Q1

16. Leichmann, J., Höck, V.  
The Brno Batholith: An insight into the magmatic and metamorphic evolution of the Cadomian Brunovistulian unit, eastern margin of the Bohemian Massif  
(2008) *Journal of Geosciences*, 53 (3-4), pp. 281-305.  
DOI: 10.3190/jgeosci.037  
WOS; IF 0.609

17. Kalvoda, J., Babek, O., Fatka, O., Leichmann, J., Melichar, R., Nehyba, S., Spacek, P.  
Brunovistulian terrane (Bohemian Massif, Central Europe) from late Proterozoic to late Paleozoic: A review  
(2008) *International Journal of Earth Sciences*, 97 (3), pp. 497-518.  
DOI: 10.1007/s00531-007-0183-1  
WOS; IF 2.283; Q2

18. Matysová, P., Leichmann, J., Grygar, T., Rössler, R.  
Cathodoluminescence of silicified trunks from the Permo-Carboniferous basins in eastern Bohemia, Czech Republic  
(2008) *European Journal of Mineralogy*, 20 (2), pp. 217-231.  
DOI: 10.1127/0935-1221/2008/0020-1797  
WOS; IF 1.362; Q2
19. Leichmann, J., Novák, M., Buriánek, D., Burger, D.  
High-temperature to ultrahigh-temperature metamorphism related to multiple ultrapotassic intrusions: Evidence from garnet-sillimanite-cordierite kinzigite and garnet-orthopyroxene migmatites in the eastern part of the Moldanubian Zone (Bohemian Massif)  
(2007) *Geologica Carpathica*, 58 (5), pp. 415-425.  
WOS; IF 1.358
20. Cizmar, M; Leichmann, J . Late Latene millstones in Moravia. PAMATKY ARCHEOLOGICKE  
Volume: 98 ,Pages: 109-128 . Published: 2007
21. Leichmann, J., Hejl, E.  
Volcanism on Anafi island: Short living, extensional, hydromagmatic volcanism in the central part of the South Aegean volcanic chain (Greece)  
(2006) *Neues Jahrbuch für Mineralogie, Abhandlungen*, 182 (3), pp. 231-240.  
DOI: 10.1127/0077-7757/2006/0047  
WOS; IF 0.811
22. Breiter, K., Müller, A., Leichmann, J., Gabašová, A.  
Textural and chemical evolution of a fractionated granitic system: The Podlesí stock, Czech Republic  
(2005) *Lithos*, 80 (1-4 SPEC. ISS.), pp. 323-345.  
WOS; IF 3.677; Q1
23. Broska, I., Williams, C.T., Uher, P., Konečný, P., Leichmann, J.  
The geochemistry of phosphorus in different granite suites of the Western Carpathians, Slovakia: The role of apatite and P-bearing feldspar  
(2004) *Chemical Geology*, 205 (1-2), pp. 1-15. DOI: 10.1016/j.chemgeo.2003.09.004  
WOS; IF 3.347; Q1
24. Kalvoda, J., Leichmann, J., Bábek, O., Melichar, R.  
Brunovistulian terrane (Central Europe) and Istanbul zone (NW Turkey): Late proterozoic and paleozoic tectonostratigraphic development and paleogeography  
(2003) *Geologica Carpathica*, 54 (3), pp. 139-152.  
WOS; IF 1.358
25. Leichmann, J., Broska, I., Zachovalová, K.  
Low-grade metamorphic alteration of feldspar minerals: A CL study  
(2003) *Terra Nova*, 15 (2), pp. 104-108.  
DOI: 10.1046/j.1365-3121.2003.00467.x  
WOS; IF 2.214; Q2
26. Nehyba, S., Leichmann, J., Kalvoda, J.  
Depositional environment of the "old red" sediments in the Brno area (south-eastern part of the Rhenohercynian zone, Bohemian Massif)  
(2001) *Geologica Carpathica*, 52 (4), pp. 195-203.  
WOS; IF 1.358
27. Hock, V., Montag, O., Leichmann, J.  
Ophiolite remnants at the eastern margin of the Bohemian Massif and their bearing on the tectonic evolution  
(1997) *Mineralogy and Petrology*, 60 (3-4), pp. 267-287.  
WOS; IF 1.236

28. Leichmann, J., Hejl, E.  
Quaternary tectonics at the eastern border of the Bohemian Massif: New outcrop evidence  
(1996) *Geological Magazine*, 133 (1), pp. 103-105.  
WOS; IF 1.965; Q2