

Curriculum vitae: Doc. Mgr. Vojtěch Janoušek, PhD.

Born: 21 May 1968, Prague
Status: Married, 1 daughter

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Current employers:

(1/1) Czech Geological Survey, Klárov 3, 118 21 Prague 1, Czech Republic

(1/4) Inst. of Petrology & Structural Geology, Charles University, Albertov 6, 128 43 Prague 2, Czech Republic

Educational background

1991 – Mgr. (M.Sc.), geochemistry, Charles University, Prague

1994 – Ph.D., Department of Geology and Applied Geology, University of Glasgow, Scotland

Thesis: “Geochemistry and petrogenesis of the Central Bohemian Pluton, Czech Republic”

Professional experience

1996–present: Researcher at Radiogenic Isotopes Laboratory, Czech Geological Survey, Prague
(1998–2008 its head, since 2005 deputy head of the Department of Rock Geochemistry)

2002–2005 – Post-doctoral research assistant at Institut für Mineralogie, Universität Salzburg, Austria

2005–present: Research Assistant, then Associate Professor (2012–) at the Institute of Petrology & Structural Geology, Charles University, Prague. Thesis: “Deep subduction of the Earth’s crust – its mechanism and consequences for chemistry of the generated magmas”

Main scientific interests

- Geochemistry and petrogenesis of granitoid rocks, magma mixing,
- Processes in subduction zones, arc- and behind-arc igneous rocks,
- Geochemistry and genesis of high-pressure granulites,
- U–Pb and Sm–Nd geochronology (magmatic and metamorphic rocks),
- Applications of Sr–Nd–Li isotopes for igneous petrogenesis,
- Numerical modelling in igneous geochemistry,
- Computing in geosciences (R language, programme GCDkit: <http://www.gcdkit.org>).

Field experience

>25 yrs of field experience in Variscides, Sierra Nevada (California), Kaoko Belt (Namibia), Pacific volcanic front/back-arc (Nicaragua), Central Asian Orogenic Belt (Mongolia), and Antarctic Peninsula (Graham Land).

Publication record and selected references in 2019–2015

Author or co-author of 63 papers in journals with impact factor, 18 of them as the first author

2069 references on WOS, h index = 21 (as for 16 June, 2019).

Researcher ID: [B-6789-2008](https://orcid.org/0000-0002-6581-9207), ORCID: [0000-0002-6581-9207](https://orcid.org/0000-0002-6581-9207), Scopus Author ID: [7003861083](https://orcid.org/0000-0002-6581-9207)

Errandonea-Martin, J., Sarrionandia, F., Janoušek, V., Carracedo-Sánchez, M. & Ibarguchi, J.I.G. (in print).

Origin of cordierite-bearing monzogranites from the southern Central Iberian Zone – inferences from the zoned Sierra Bermeja Pluton (Extremadura, Spain). *Lithos*. doi: 10.1016/j.lithos.2019.06.009.

Janoušek, V. & Moyen, J.F. 2019. Whole-rock geochemical modelling of granite genesis – the current state of the play. In: Janoušek, V., Bonin, B., Collins, W.J., Farina, F. & Bowden, P. (eds), Post-Archaean Granitic Rocks: Contrasting Petrogenetic Processes and Tectonic Environments. *Geological Society of London Special Publications* **491**. doi: 10.1144/SP491-2018-160.

Janoušek V., Holub F.V., Verner K., Čopjaková R., Gerdes A., Hora J.M., Košler J., Tyrrell S. (in print): Two-pyroxene syenitoids from the Moldanubian Zone of the Bohemian Massif: peculiar magmas derived from a strongly enriched lithospheric mantle source. *Lithos*. doi: 10.1016/j.lithos.2019.05.028.

Hanžl P., Janoušek V., Soejono I., Buriánek D., Svojtka M., Hrdličková K., Erban V. & Pin C. (2019): The rise of the Brunovistulicum: age, geology, petrology and geochemical character of the Neoproterozoic magmatic rocks of the Central Basic Belt of the Brno Massif. *International Journal of Earth Sciences* **108**, 1165–1199.

Janoušek V., Jiang Y. D., Buriánek D., Schulmann K., Hanžl P., Soejono I., Kröner A., Altanbaatar B., Erban V., Lexa O., Ganchuluun T. & Košler J. (2018): Cambrian–Ordovician magmatism of the Ikh-Mongol Arc

System exemplified by the Khantaishir Magmatic Complex (Lake Zone, south-central Mongolia). *Gondwana Research* **54**, 122–149.

- Konopásek J., Janoušek V. & Oyhantçabal P. (2018): Did the circum-Rodinia subduction trigger the Neoproterozoic rifting along the Congo–Kalahari Craton margin? *International Journal of Earth Sciences* **107**, 1859–1894.
- Soejono I., Čáp P., Míková J., Janoušek V., Buriánek D. & Schulmann K. (2018): Early Palaeozoic sedimentary record and provenance of flysch sequences in the Hovd Zone (western Mongolia): implications for the geodynamic evolution of the Altai accretionary wedge system. *Gondwana Research* **64**, 63–183
- Tasáryová Z., Janoušek V. & Frýda J. (2018). Failed Silurian continental rifting at the NW margin of Gondwana – evidence from basaltic volcanism of the Prague Basin (Teplá–Barrandian Unit, Bohemian Massif). *International Journal of Earth Sciences* **107**, 1231–1266.
- Soejono, I., Janoušek, V., Žáčková, E., Sláma, J., Konopásek, J., Macheck, M., Hanžl, P. (2017): Long-lasting Cadomian magmatic activity along an active northern Gondwana margin: U–Pb zircon and Sr–Nd isotopic evidence from the Brunovistulian Domain, eastern Bohemian Massif. *International Journal of Earth Sciences* **106**, 2109–2129
- Trubač, J., Janoušek, V., Žák, J., Somr, M., Kabele, P., Švancara, J., Gerdes, A., Žáčková, E. (2017): Origin of reverse compositional and textural zoning in granite plutons by localized thermal overturn of stratified magma chambers. *Lithos* **227**, 315–336.
- Janoušek, V., Moyon, J.-F., Martin, H., Erban, V., Farrow, C. M. (2016): *Geochemical Modelling of Igneous Processes. Principles and Recipes in R Language. Bringing the Power of R to a Geochemical Community.* Springer-Verlag, ISBN 978-3-662-46791-6, 346 pp.
- Magna, T., Novák, M., Cempírek, J., Janoušek, V., Ullman, C.V., Wiechert, U. (2016): Crystallographic control on lithium isotope fractionation in Archean to Cenozoic lithium–cesium–tantalum pegmatites. *Geology* **44**, 655–658.
- Maierová, P., Schulmann, K., Lexa, O., Guillot, S., Štípská, P., Janoušek, V., Čadek, O. (2016): European Variscan orogenic evolution as an analogue of Tibetan–Himalayan orogen – insights from petrology and numerical modeling. *Tectonics* **35**, 1760–1780.
- Guy, A., Schulmann, K., Janoušek, V., Štípská, P., Armstrong, R., Belousova, E., Dolgoplova, A., Seltmann, R., Lexa, O., Jiang, Y., Hanžl, P. (2015): Geophysical and geochemical nature of re-laminated arc-derived lower crust underneath oceanic domain in southern Mongolia. *Tectonics* **34**, 1030–1053.
- Kusbach, V., Janoušek, V., Hasalová, P., Schulmann, K., Fanning, C. M., Erban, V., Ulrich, S. (2015): Importance of crustal re-lamination in origin of the orogenic mantle peridotite-high-pressure granulite association: example from the Náměšť Granulite Massif (Bohemian Massif, Czech Republic). *Journal of Geological Society, London* **172**, 479–490.
- Tabaud, A.S., Janoušek, V., Skrzypek, E., Schulmann, K., Rossi, P., Whitechurch, H., Guerrot, C., Paquette, J. L. (2015): Chronology, petrogenesis and heat sources for successive Carboniferous magmatic events in the southern–central Variscan Vosges Mts. (NE France). *Journal of Geological Society, London* **172**, 87–102.

Teaching experience

- **Charles University in Prague:** “Graphical presentation and numerical modelling of geochemical data” (2000–2015), “Data analysis in R and Python” (2016–, with O. Lexa), “Principles of isotope geology and geochronology” (2005–, with T. Magna), “Magmatic systems” (2006–, with J. Žák); “Magmatic processes” (2016–); **2011–2018:** eight one-week international workshops on numerical modelling of magmatic processes in R (mostly with J.F. Moyon: France, Finland, South Africa, India, Ethiopia, Poland, Italy)

Service to the scientific community

- **Reviewer for:** *Lithos*, *Int. J. Earth Sci.*, *J. Petrology*, *Mineral. Petrol.*, *Chem. Geol.*, *Contrib. Mineral. Petrol.*, *Geol. Soc. London*, *Geol. Carpathica*, *Eur. J. Mineral.*, *Tectonics*, *Terra Nova*, ...
- **Editor-in-Chief**, *Journal of Geosciences* (2007–), <http://www.jgeosci.org> (IF = 1.415).

Membership in Professional Societies

- Czech Geological Society (secretary: 2001–2003), IAVCEI, Czech National Geological Committee, Geochemical Society