

## Vojtech Janousek

### Affiliations:

- Czech Geological Survey, Prague
- Institute of Petrology and Structural Geology, Charles University in Prague

### Research interests:

- Geochemistry and petrogenesis of granitoid rocks (European Variscides, Sierra Nevada, California, Precambrian granitoids in Kaoko Belt, Namibia), applications of Sr–Nd–Li isotopes in petrogenetic studies,
- Processes in subduction zones, petrogenesis of arc- and behind-arc volcanic rocks (Bohemian Massif, Central America, Antarctic Peninsula),
- Genesis of Moldanubian HP granulites,
- U–Pb and Sm–Nd geochronology (magmatic and metamorphic rocks),
- numerical modelling in igneous geochemistry, computing in geosciences (R language, programme GCDkit: <http://www.gla.ac.uk/gcdkit>)

### Selected publications:

Lexa O., Schulmann K., Janousek V., Stipská P., Guy A., Racek M. (2011): Heat sources and trigger mechanisms of exhumation of HP granulites in Variscan orogenic root. *Journal of Metamorphic Geology* **29**, 79–102

Zak J., Kratinova Z., Trubac J., Janousek V., Slama J., Mrlina J. (2011): Structure, emplacement, and tectonic setting of Late Devonian granitoid plutons in the Teplá–Barrandian unit, Bohemian Massif. *International Journal of Earth Sciences in print*. doi 10.1007/s00531-010-0565-7

Janousek V., Wiegand B., Zak J. (2010): Dating the onset of Variscan crustal exhumation in the core of the Bohemian Massif: new U–Pb single zircon ages from the high–K calc–alkaline granodiorites of the Blatná suite, Central Bohemian Plutonic Complex. *Journal of the Geological Society, London* **167**, 347–360.

Janousek V., Erban V., Holub F.V., Magna T., Bellon H., Mlcoch B., Wiechert U., Rapprich V. (2010): Geochemistry and genesis of behind-arc basaltic lavas from eastern Nicaragua. *Journal of Volcanology and Geothermal Research* **192**, 232–256.

Janousek V., Konopasek J., Ulrich S., Erban V., Tajcmanova L., Jerabek P. (2010): Geochemical character and petrogenesis of Pan-African Amspoort suite of the Boundary Igneous Complex in the Kaoko Belt (NW Namibia). *Gondwana Research* **18**, 688–707

Magna T., Janousek V., Kohut M., Oberli F., Wiechert U. (2010): Fingerprinting sources of orogenic plutonic rocks from Variscan belt with lithium isotopes and possible link to subduction-related origin of some A-type granites. *Chemical Geology* **274**, 94–107.

Soejono I., Zacková E., Janousek V., Machek M., Kosler J. (2010): Vestige of an Early Cambrian incipient oceanic crust incorporated in the Variscan Orogen: Letovice Complex, Bohemian Massif. *Journal of Geological Society, London* **167**, 1113–1130

Machek M., Ulrich S., Janousek V. (2009): Strain coupling between upper mantle and lower crust: natural example from the Běstvína granulite body, Bohemian Massif. *Journal of Metamorphic Geology* **27**, 721–737.

Schulmann K., Konopasek J., Janousek V., Lexa O., Lardeaux J.-M., Edel J.-B., Stipská P., Ulrich S. (2009): An Andean type Palaeozoic convergence in the Bohemian Massif. *Comptes Rendus Geosciences* **341**, 261–281.

Trubac J., Zak J., Chlupacova M., Janousek V. (2009): Magnetic fabric of the Říčany granite, Bohemian Massif: a record of helical magma flow? *Journal of Volcanology and Geothermal Research* **181**, 25–34.

Zák J., Paterson S.R., Janousek V., Kabele P. (2009): The Mammoth Peak sheeted complex, Tuolumne batholith, Sierra Nevada, California: a record of initial growth or late thermal contraction in a magma chamber? *Contributions to Mineralogy and Petrology* **158**, 447–470.

Hasalova P., Stipska P., Powell R., Schulmann K., Janousek V., Lexa O. (2008): Transforming mylonitic metagranite by open-system interactions during melt flow. *Journal of Metamorphic Geology* **26**, 55–80.

Hasalova P., Janousek V., Schulmann K., Stipska P., Erban V. (2008): From orthogneiss to migmatite: geochemical assessment of the melt infiltration model in the Gföhl Unit (Moldanubian Zone, Bohemian Massif). *Lithos* **102**, 508–537.

Paterson S.R., Zak J., Janousek V. (2008): Growth of complex sheeted zones during recycling of older magmatic units into younger: Sawmill Canyon area, Tuolumne Batholith, Sierra Nevada, California. *Journal of Volcanology and Geothermal Research* **177**, 457–484.

Hanzl P., Janousek V., Zacek V., Wilimsky D., Aichler J., Erban V., Pudilova M., Chlupacova M., Buriankova K., Mixa P., Pecina V. (2007): Magmatic history of granite-derived mylonites from the southern Desná Unit (Silesicum, Czech Republic). *Mineralogy and Petrology* **89**, 45–75.

Janousek V. & Holub F.V. (2007): The causal link between HP–HT metamorphism and ultrapotassic magmatism in collisional orogens: case study from the Moldanubian Zone of the Bohemian Massif. *Proceedings of the Geologists' Association* **118**, 75–86.

Janousek V. (2006): Saturnin, R language script for application of accessory–mineral saturation models in igneous geochemistry. *Geologica Carpathica* **57**, 131–142.

Janousek V., Farrow C.M., Erban V. (2006): Interpretation of whole-rock geochemical data in igneous geochemistry: introducing Geochemical Data Toolkit (GCDkit). *Journal of Petrology* **47**, 1255–1259.

Janousek V., Gerdes A., Vrana S., Finger F., Erban V., Friedl G., Braithwaite C.J.R. (2006): Low-pressure granulites of the Lišov massif, southern Bohemia: Viséan metamorphism of Late Devonian plutonic arc rocks. *Journal of Petrology* **47**, 705–744.

Janousek V., Braithwaite C.J.R., Bowes D.R., Gerdes A. (2004): Magma-mixing in the genesis of Hercynian calc-alkaline granitoids: an integrated petrographic and geochemical study of the Sázava intrusion, Central Bohemian Pluton, Czech Republic. *Lithos* **78**, 67–99.

Janousek V., Finger F., Roberts M.P., Fryda J., Pin C., Dolejs D. (2004): Deciphering petrogenesis of deeply buried granites: whole-rock geochemical constraints on the origin of largely undepleted felsic granulites from the Moldanubian Zone of the Bohemian Massif. *Transactions of the Royal Society of Edinburgh: Earth Sciences* **95**, 141–159.

Janousek V., Bowes D.R., Braithwaite C., Rogers G. (2000): Microstructural and mineralogical evidence for limited involvement of magma mixing in the petrogenesis of a Hercynian high-K calc-alkaline intrusion: the Kozárovec granodiorite, Central Bohemian Pluton, Czech Republic. *Transactions of the Royal Society of Edinburgh: Earth Sciences* **91**, 15–26.

Janousek V., Bowes D.R., Rogers G., Farrow C.M., Jelinek E. (2000): Modelling diverse processes in the petrogenesis of a composite batholith: the Central Bohemian Pluton, Central European Hercynides. *Journal of Petrology* **41**, 511–54

Janousek V., Rogers G., Bowes D.R., Vanková V. (1997): Cryptic trace-element variation as an indicator of reverse zoning in a granitic pluton: the Říčany granite, Czech Republic. *Journal of the Geological Society, London* **154**, 807–815.

Janousek V., Rogers G., Bowes D.R. (1995): Sr–Nd isotopic constraints on the petrogenesis of the Central Bohemian Pluton, Czech Republic. *Geologische Rundschau* **84**, 520–534.

**Membership in international and national scientific societies:**

Czech Geological Society (secretary: 2001–2003)

**Service to the scientific community:**

- **Reviewer for:**  
Journal of Petrology, Chemical Geology, Tectonics, Transactions of Royal Society Edinburgh: Earth Sciences, Journal of Geological Society London, Lithos, International Journal of Earth Sciences, Geochemical Journal, Mineralogy and Petrology, Geologica Carpathica, Geological Quarterly,...
  - **Editing experience:**  
Member of the Editorial Board of *Acta Universitatis Carolinae, Geologica* (1999–2000)  
Member of the Editorial Board of *Journal of the Czech Geological Society* (2006)  
Editor-in-Chief, *Journal of Geosciences* (formerly Journal of the Czech Geological Society) (2007–), <http://www.jgeosci.org>.
  - **Organization of conferences:**
    - Eurogranites 1995, European Network of Laboratories – Granites, Field Meeting in the Bohemian Massif (co-organizer)
    - 10<sup>th</sup> Meeting of the Association of European Geological Societies, Karlovy Vary, 1997 (member of the organizing committee)
    - Genetic Significance of Phosphorus in Fractionated Granites, Perslak, 1998 (member of the organizing committee)
    - Geology Without Frontiers: Magmatic and Metamorphic Evolution of Central European Variscides, Blansko 2003 (member of the organizing committee)
    - International Workshop on Petrogenesis of Granulites and Related Rocks, Námest n. Oslavou, 2004 (principal organizer)
- 6<sup>th</sup> Meeting of Association of Isotope Geochemists (AIG-6), Praha, 2005 (member of the organizing committee)