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MSc (Murmansk University, Apatity, 2006)
PhD (Institute of Geology of Ore Deposits,
Mineralogy, Petrography and Geochemistry RAS,
Moscow, 2011)

Main fields of specialization

Geology, mineralogy and genesis of PGE deposits; petrology of layered intrusions.

Principal results

The data on geology, mineralogy and isotope geochronology of the Fedorovatundra massif (Fedorova-Pana Complex) have shown that lower taxitic zone with contact style economic PGE-Cu-Ni mineralization is formed as a result of the emplacement of gabbronoritic magma in the second intrusive phase of the massif (Groshev et al., 2009; Groshev, 2010).

PGE mineralization of reef style was found in the Fedorovatundra massif. Composition of reef style mineralization is characterized by predominantly occurring sulfide-intermetallide and arsenide assemblages of platinum group minerals (PGM), which are in contrast with sulfide-bismuthide-telluride assemblages of PGM in contact style ores (Groshev, 2010; Groshev et al., 2012).

Current research interests

Geology and genesis of recently discovered (JSC “Pana”) PGE and PGE-Cu-Ni deposits and occurrences of the Fedorov-Pana Complex of (1) reef and (2) contact style (1 – deposits: Kievey, Kamennik; occurrences: the South Reef, mineralization in the Olivine horizon, Reefs of the Fedorovatundra massif ect.; 2 – Fedorovotundrovskoe deposit; occurrences: Maliy Ihtegipahk, Sredniy Ihtegipahk, mineralization in quartz-hypersthene diorites).

Petrology and Fe-Cr-PGE-Cu-Ni deposits of the Monchegorsk Complex.

Publications

Korchagin, A.U., Goncharov, Yu.V., Subbotin, V.V., *Groshev, N.Yu.*, Gabov, D.A., Ivanov, A.N., Savchenko, Ye.E. Geology and ores composition of the North Kamennik low-sulfide PGE deposit in the West-Pana massif (Kola Peninsula, Russia) // *Rudy i Metally*. **2016**. № 2. (in press)

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Groshev, N., Voloshin A., Subbotin V., Savchenko Ye. Pd_2Tl и Pd_3Tl – New Alloys in the Fedorov-Pana Layered Complex / Geology and Strategic Mineral Resources of the Kola Region. Apatity, **2012**. pp. 238–241. ([Full Text in Russian](#))

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