



# Magmatism of the Earth and Related Strategic Metal Deposits

Dear colleagues,

We invite you to attend the International Conference **"Magmatism of the Earth and Related Strategic Metal Deposits"** dedicated to the 90th anniversary of the Kola Science Centre RAS and 100th anniversary of birth of outstanding petrographer Dr. Tatiana Nikolaevna Ivanova.

The Conference will be held at the Federal Research Centre "Kola Science Centre of the Russian Academy of Sciences" (Apatity, Russia) on **31 August – 5 September, 2020**.

The conference would discuss fundamental and applied aspects of geodynamics, geochemistry, petrology and mineralogy of the magmatism and related deposits of "critical elements"

Registration form is available on-line at [www.ksc.ru](http://www.ksc.ru)

Organising Committee:

e-mail: [alkaline2020@ksc.ru](mailto:alkaline2020@ksc.ru)

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## Important dates

Early registration	before 20 February 2020
Late registration	before 10 June 2020
Abstract submission	before 10 June 2020
Conference	31 August - 2 September 2020
Field excursions	3 - 5 September 2020

The official Conference languages is English and Russian





# Magmatism of the Earth and Related Strategic Metal Deposits

## Key research topics

- Conditions and mechanisms of concentration of strategic metals in magmatic complexes of various geodynamic settings.
- Mantle sources and processes controlling the origin and evolution of ore-bearing magmas.
- Mineralogy and crystal chemistry of strategic metals.

- Experimental and numerical studies of the genesis, evolution and ore content of magmatic systems.
- Technological mineralogy and new approaches to ore processing of deposits associated with alkaline magmatism.
- Alkaline rocks and carbonatites as a source of jewelry and ornamental raw materials.

## One-day field excursions

- Layered complex of the Lovozero agpaitic nepheline-syenite massif.
- Mineralogical objects of the Kola Peninsula: Marchenko peak, Eveslogchorr (Khibiny alkaline massif).
- The Kovdor alkaline-ultrabasic massif: rocks of the carbonatite complex and others.

## Conference Proceedings

Conference Proceedings will be published as a collection of Conference papers with the Russian Science Citation Index.

Please prepare your materials for publication using MS Word (.doc or .docx). The text should be in English, 3-5 pages long, with 2.5 cm fields from all sides, 12 pt Times New Roman font, single spaced. Article templates with instructions available at <https://www.ksc.ru/en/90years/magmatism/>

## Registration Fee

	Early registration (before 10/02/2020)	Late registration (before 10/06/2020)
Foreign participant	200 €	300 €
Foreign students	100 €	150 €

Bank transfers only (bank details for foreign attendees' payments shall be available since January, 2020). Receipts for the Registration Fee will be available at the Registration desk.

The cost of participation in a one-day field excursions is 100 € (80 € for students).

If you have any questions, please contact us by e-mail: [alkaline2020@ksc.ru](mailto:alkaline2020@ksc.ru)

