

Nadya Yanakieva, Master's degree in Geology

nadya.yanakieva@space.bas.bg



Full-time doctoral student in professional direction 4.4 Earth Sciences, scientific specialist "Remote studies of the Earth and planets", enrolled by Order No. 167 of 12.19.2022 with a three-year training period in the Aerospace Studies section at IKIT BAS

Research supervisor: Assoc. Dr. Daniela Avetisyan

Dissertation topic (working title): **"Application of remote sensing methods and GIS for the study of glaciers and permafrost"**

Publications related to the dissertation topic, currently: "Testing optical spectral indices to assess surface changes due to melting permafrost on Livingston Island, Antarctica", published in "Aerospace Research in Bulgaria", issue 36

Previous experience related to the dissertation topic: participation in an international field research project, using geophysical surveys, on the permafrost of Livingston Island, Antarctica, during the 25th Bulgarian Anniversary Antarctic Expedition in 2017.

Publications, with the results of the studies:

1. Correia, N. Yanakieva, and G. Vieira, (2017), "Three years of electrical resistivity tomography monitoring at the Papagal site near the Bulgarian Antarctic base St. Kliment Ohridski, Livingston Island, Maritime Antarctica", *Periglacial environments: advances in their study, patrimonial valuation and associated risks*, p. 92-93, 2017
2. Correia, N. Yanakieva, and G. Vieira, "Quatro anos de monitorização por tomografias de resistividade eléctrica no sítio calm da base antárctica búlgara St. Kliment Ohridski, Ilha Livingston, Antárctida Marítima", *Periglacial environments: advances in their study, patrimonial valuation and associated risks*, p. 91-92, 2017
3. Correia, N. Yanakieva, and G. Vieira, "Permafrost research in sites CALM and PAPAGAL near Bulgarian Antarctic Base, Hurd Peninsula, Livingston Island, Antarctica", *Visiones de Ciencia Antártica, Libro de Resúmenes, IX Congreso Latinoamericano de Ciencias Antártica, Publicación del Instituto Antártico Chileno, Punta Arenas, Chile, 2017*, p. 238-241

Participated in the 2nd ESA (European Space Agency) Advanced Training Course on Remote Sensing of the Cryosphere (11 – 16 June 2018, Longyearbyen, Svalbard, Norway).

Participated in a course "Glaciers, snow and permafrost in the mountains: the Cryosphere as an indicator for the climate changes"/"Glaciares, nieve y permafrost de montaña: La criósfera como indicadora de cambios en el clima" (7 – 9 September 2017, Ainsa, Spain).