

Admission for PhD study in academic year 2024/2025



Director of the Institute of Geotechnics of the Slovak Academy of Sciences opens the admission for joint PhD study with the Faculty of Materials, Metallurgy and Recycling at Technical University in Kosice in academic year 2024/2025 in the study program Extraction and Processing of Earth Resources.

Deadline for e-application: **16.06.2024**

Interview: **28.06.2024**

Institute of Geotechnics SAS is an external educational institution providing doctoral (PhD) study in study program **Extraction and Processing of Earth Resources**, specialisation **Metallurgy** in cooperation with the Faculty of Materials, Metallurgy and Recycling at Technical University of Košice.

Graduates of master degree in engineering or natural science may apply for PhD study. The PhD study usually takes 4 years in full-time form (internal with scholarship) or 5 years in external form (no scholarship). Following the Rector's directive PR/TUKE/12/21, the fee for external study is 700,-€/academic year).

Topics of PhD study:

1. Recovery of critical raw materials from primary and secondary resources

Supervisor: MVDr. Daniel Kupka, PhD.

2. Advanced electrochemical oxidation processes for water treatment

Supervisor: MVDr. Daniel Kupka, PhD.

3. Intensification of mineral raw material processing using microwave energy

Supervisor: Ing. Ingrid Znamenáčková, PhD.

Director of the Institute of Geotechnics of the Slovak Academy of Sciences opens the admission for joint PhD study with the Faculty of Materials, Metallurgy and Recycling at Technical University in Kosice in academic year 2024/2025 in the study program Mechanical Engineering.

Deadline for e-application: **16.06.2024**

Interview: **28.06.2024**

Institute of Geotechnics SAS is an external educational institution providing doctoral (PhD) study in study program **Mechanical Engineering**, specialisation **Materials Science** in cooperation with the Faculty of Materials, Metallurgy and Recycling at Technical University of Košice.

Graduates of master degree in engineering or natural science may apply for PhD study. The PhD study usually takes 4 years in full-time form (internal with scholarship) or 5 years in external form (no scholarship). Following the Rector's directive PR/TUKE/12/21, the fee for external study is 700,-€/academic year).

Topics of PhD study:

1. Synthesis and investigation of transport processes in oxides intended for applications in modern energy using an electron beam

Supervisor: RNDr. Martin Fabián, PhD.

2. Development of highly sensitive and specific sensors based on silica and reduced metal nanoparticles on the surface

Supervisor: Mgr. Inna Melnyk, PhD.

PhD study application:

- a) graduates of master degree in engineering or natural science may apply for PhD study,
- b) submit the **e-application** (including CV, copy of diploma from graduate study MSc or Engineering degree and payment declaration) at
https://eprihlaska.tuke.sk/eprihlaska/pages/odosielatel/rozhranie_odosielatela.mais

Application fee: 30,-€

Bank Contacts:

Account No: SK85 8180 0000 0070 0015 1476

Bank Name: Štátna pokladnica

Name of the Account: Fakulta materiálov, metalurgie a recyklácie, Technická univerzita v Košiciach, Letná 9, 042 00 Košice

Variable symbol: 2

Information for Recipient: Name and Surname of applicant

Košice, 20.3.2024

Ing. Slavomír Hredzák, PhD.
Director of the Institute of Geotechnics SAS