

## Admission for PhD study in academic year 2024/2025

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**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 specialization Extraction and Processing of Earth Resources.**

Deadline for e-application: **19.08.2024**

Interview: **28.08.2024**

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).

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### 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.

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**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 specialization Mechanical Engineering.**

Deadline for e-application: **19.08.2024**

Interview: **28.08.2024**

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).

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**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.

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**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](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