

## **Thesis topics**

### **Department of Inorganic and Analytical Chemistry**

**2023/2024. academic year II. semester**

#### **Supervisor: Prof. Dr. Péter Buglyó**

**Synthesis and characterization of novel heterobimetallic complexes with likely antiproliferative features**

chemical engineer BSc, reserved

#### **Supervisor: Dr. Attila Forgács**

**Synthesis and characterization of gelatin, and cross-linked gelatin aerogels**

reserved

- Synthesis of new types of gelatin and cross-linked gelatin aerogels.
- Aerogel characterization (SEM, N<sub>2</sub> porosimetry, elemental analysis).
- Measurement of flexibility and mechanical strength.

#### **Supervisors: Dr. Cynthia Nóra Nagy and Prof. Dr. Attila Gáspár**

**(Tandem) mass spectrometric investigation of insulin**

chemistry BSc or pharmacy, reserved

#### **Supervisors: Gayatri Vishwakarma and Prof. Dr. Attila Gáspár**

**Analysis of snake venoms using CZE-MS with bottom-up approach**

chemistry MSc, reserved