



NATIONAL INSTITUTE OF CHEMISTRY
Department of Inorganic Chemistry and Technology
Laboratory for Catalysts

SI-1001 Ljubljana
Hajdrihova 19, POB 660
Tel.: +386 1 47 60 200
Fax: +386 1 47 60 460
<https://www.ki.si>

Job offer for a young researcher/PhD student (m/f) in the field of chemical engineering

The Laboratory for Catalysts of the National Institute of Chemistry, Ljubljana, Slovenia, invites engineering and science students (preferably from the fields of chemical engineering, inorganic chemistry, physical chemistry and materials) to apply for the position of a young researcher/PhD student (m/f) funded by the Public Research Agency of the Republic of Slovenia for a period of 4 years. The field of research is the synthesis and characterisation of heterogeneous catalysts and the development and design of catalytic processes in multiphase and/or multifunctional reactor systems, in particular the investigation of heterogeneous photocatalytic processes.

In the Laboratory for Catalysts, we conduct basic and applied research at the highest level in the following areas: heterogeneous catalysis in the field of environmental protection (wastewater treatment, energy recovery from biomass and waste materials), reaction kinetics and mechanisms as well as process planning and dimensioning. We develop breakthrough technologies to solve current environmental and energy problems, focussing on heterogeneous catalytic processes. In research, we co-operate with many academic and research institutions at home and abroad.

A necessary requirement is the completion of the 2nd Bologna stage by mid-September 2024 and the start of doctoral studies at academic institutions in Slovenia in autumn 2024. We expect applicants to have good academic results (average grade of exams and exercises of both levels usually at least 8.0), high motivation, initiative, diligence, communication skills and the ability to work in an interdisciplinary and team-oriented environment. We offer work in a stimulating and well-equipped environment with opportunities for personal development and promotion.

Applicants are invited to send their applications with a CV, a letter of motivation and a statement of academic achievements to gregor.zerjav@ki.si. The call for applications will remain open until the candidate is selected.

dr Gregor Žerjav, Research Associate

Information about the research group: <https://www.ki.si/en/departments/d09-department-of-inorganic-chemistry-and-technology/l21-laboratory-for-catalysts/>
More information's: https://www.ki.si/fileadmin/user_upload/datoteke-splosno/Razpisi/2024/Razpis_MR_2024_ANG.pdf

