



Konrad Rudnicki

ASSISTANT PROFESSOR – UNIVERSITY OF ŁÓDŹ

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Currently held positions

Department of Inorganic and Analytical Chemistry, Faculty of Chemistry

University of Łódź

ASSISTANT PROFESSOR

Scientific profile and collaborations

I have been employed as an Assistant Professor of research and teaching in the Department of Inorganic and Analytical Chemistry at the Faculty of Chemistry, University of Łódź since October 1, 2019. My scientific work focuses on the electrochemical investigation of biologically active compounds, the miniaturization of electroanalytical devices and systems, food chemistry, and—more recently—3D printing, bioprinting, and 3D imaging. My scholarly output includes co-authorship of 31 papers in renowned journals indexed in the Philadelphia list, 1 chapter in an English-language monograph, 5 chapters in Polish-language monographs, 2 patents, 2 patent applications, 2 international utility-model claims, and more than 130 presentations—invited lectures, oral communications, and posters—at international and national conferences. From 2018 to 2022 I led a PRELUDIUM 15 grant awarded by the National Science Centre (NCN), and since December 2022 I have been the principal investigator of an OPUS 23 grant from the same institution. I am also a researcher in a SONATA 18 grant and an interdisciplinary IDUB grant, as well as the scientific supervisor of two PRELUDIUM grants. I am open to international collaboration. Over the past five years I have completed numerous long- and short-term research internships within the CEEPUS and ERASMUS programs, conducting studies in Slovenia, the Czech Republic, Austria, Romania, Serbia, and the Netherlands. In 2019 I was awarded the BGF Fellowship of the French Embassy for exceptionally talented young scientists, which enabled me to complete a two-month postdoctoral internship at the University of Lorraine in France. Last year I also completed a two-month postdoctoral stay at the Center for Physical Sciences and Technology in Vilnius, Lithuania. To date I have supervised 8 master's and 6 bachelor's theses, as well as 1 doctoral dissertation (as a co-supervisor). I am currently co-supervising two doctoral projects and supervising 2 master's and 2 bachelor's theses.

Selected publications

2020 *Electrochemical sensing of fluoroquinolone antibiotics* [\[link\]](#)
2018 *Fused Silica Microcapillaries Used for a Simple Miniaturization of the Electrified Liquid-Liquid Interface* [\[link\]](#)
2021 *Determination of quinine in tonic water at the miniaturized and polarized liquid-liquid interface* [\[link\]](#)

Research grants

Project Manager: 2 grants: NCN

Scientific Supervisor: 2 grants: NCN

Co-Investigator: 2 grants: NCN, UŁ

Obtained patents

2 patents given by Polish Patent Office; 2 registered European Trademarks

International research stays

Slovenia University of Ljubljana, Ljubljana

Serbia University of Novi Sad, Novi Sad

Czechia Brno University of Technology, Brno

Czechia University of Pardubice, Pardubice

The Netherlands Delft University of Technology, Delft

Austria University of Graz, Graz

Romania “Transilvania” University of Brasov, Brasov

France University of Lorraine, Nancy

Lithuania Center for Physical Sciences and Technology, Vilnius