Mgr. Anna Laštovičková

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+420 736 119 494

Education

2024 – now: Ph.D., Charles University, Faculty of Science | Physical Chemistry

Research topic: *Control over metal species location and stability in zeolites for the development of sustainable catalysts*

2022 – 2024: Mgr., Charles University, Faculty of Science | Clinical and Toxicological Analysis

Thesis title: *Advanced electron diffraction methods for structural description of zeolites*

2019 – 2022: Bc., Charles University, Faculty of Science | Clinical and Toxicological Analysis

Thesis title: *Nanosponge MFI zeolites functionalized with metal nanoparticles for catalysis*

Employment History

2024 – now: Charles University, Department of Physical and Macromolecular Chemistry

position: researcher

2021 – 2024: Heterogeneous Catalysis and Advanced Materials, research group of prof. Jiří Čejka

Experience

2025

Workshop with a Nobel laureate – Beyond the Molecule: New Horizons, Prague

Oral presentation: Electron diffraction study of UTL-derived ADOR zeolites

2024

Electron Microscopy School PŠEM, Brno

Workshop on electron microscopy

2023

ERASMUS+ program, University of Helsinki, Finland

Study program: Materials Research

INASCON, International NAnoscience Student CONference, Switzerland

Oral presentation: Electron diffraction study of UTL-derived ADOR zeolites

School of Catalysis, Liblice

Poster presentation: Electron diffraction study of UTL-derived ADOR zeolites

School of Adsorption, Prague

6th Student Catalytic Seminar, Prague

Oral presentation: Hydrogenation of cinnamaldehyde using rare-earth-platinum alloys supported on MFI nanosponge zeolites

2021

52nd Symposium on Catalysis, Prague

Poster presentation: Hydrogenation of cinnamaldehyde using rare-earth-platinum alloys supported on MFI nanosponge zeolites

School of Catalysis, Liblice

Skills

Languages

English, B2 level

German, A2 level

Finnish, A1 level

Methods

PXRD

TEM, STEM, STEM-EDS, cRED (JEOL JEM NEOARM-200F)

SEM, SEM-EDS (Thermo Scientific Scios 2 DualBeam)

AFM, CPEM (NenoVision LiteScope)

Awards and Successes

2024

FameLab, National Final, 2nd place

science popularization contest

2022

Dean’s Award for the best Bachelor Thesis

References

MSc. Michal Mazur, Ph.D.

Charles University, Faculty of Science, Prague

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