

# RNDr. Lucia Pazderová

## EDUCATION

- 2016 – Present**      **Ph.D. Inorganic Chemistry**  
Charles University, Faculty of Science, Prague  
*Thesis title:* Complexes of macrocyclic ligands with phosphonate and phosphinate pendant arms for molecular imaging  
*Supervisor:* Doc. RNDr. Vojtěch Kubíček, Ph.D.
- 2019**                      **Rigorous Examination (RNDr.)**  
Charles University, Faculty of Science, Prague
- 2013 – 2015**              **Master of Bioinorganic Chemistry**  
Palacky University Olomouc, Faculty of Science, Olomouc  
*Thesis title:* Synthesis and study of properties of platinum carboxylato complexes  
*Supervisor:* Doc. Mgr. Pavel Štarha, Ph.D.
- 2010 – 2013**              **Bachelor of Chemistry**  
University of Ostrava, Faculty of Science, Ostrava  
*Thesis title:* Characterization of carbonaceous materials with sorption techniques  
*Supervisor:* Doc. RNDr. Václav Slovák, Ph.D.

## TEACHING EXPERIENCE

- 2016 – 2019**              Laboratory technique (Charles University, Prague)  
*Supervision of students in performing various experimental techniques*
- 2018**                        Inorganic chemistry practicum (Charles University, Prague)  
*Supervision of students in performing simple inorganic experiments*

## PUBLISHED PAPERS

Pazderová, L., Kubiček, V., Kotek, J., & Hermann, P. (2021). 1,4,7-Triazacyclononane (tacn) with N,N'-bridging methylene-bis(phosphinic acid) group and its complexes. *Zeitschrift Für Anorganische Und Allgemeine Chemie*, 647(12), 1261-1268. doi: 10.1002/zaac.202100107

Pazderová, L., David, T., Kotek, J., Kubiček, V., & Hermann, P. (2021). Complexes of cyclen side-bridged with a methylene-bis(phosphinate) group. *Polyhedron*, 196, 114994. doi: 10.1016/j.poly.2020.114994

Pazderová, L., David, T., Hlinová, V., Plutnar, J., Kotek, J., & Lubal, P. et al. (2020). Cross-Bridged Cyclam with Phosphonate and Phosphinate Pendant Arms: Chelators for Copper Radioisotopes with Fast Complexation. *Inorganic Chemistry*, 59(12), 8432-8443. doi: 10.1021/acs.inorgchem.0c00856

Lemmerhirt, H., Behnisch, S., Bodtke, A., Lillig, C., Pazderova, L., & Kasparkova, J. et al. (2018). Effects of cytotoxic cis - and trans -diammine monochlorido platinum(II) complexes on selenium-dependent redox enzymes and DNA. *Journal Of Inorganic Biochemistry*, 178, 94-105. doi: 10.1016/j.jinorgbio.2017.10.011

Štarha, P., Trávníček, Z., Pazderová, L., & Dvořák, Z. (2016). Platinum(II) carboxylato complexes containing 7-azaindoles as N -donor carrier ligands showed cytotoxicity against cancer cell lines. *Journal Of Inorganic Biochemistry*, 162, 109-116. doi: 10.1016/j.jinorgbio.2016.06.018

## ADDITIONAL INFORMATION

### Awards

#### Chromservis prize

The Student Scientific Conference in Ostrava, Czechia  
(7<sup>th</sup> May 2013)

### Conferences

Interdisciplinary Meeting of Young Life Scientists in Prague, Czechia  
(17<sup>th</sup> – 21<sup>th</sup> May 2021)

Oral presentation

72<sup>th</sup> Meets of Chemists conference in Prague, Czechia  
(6<sup>th</sup> – 9<sup>th</sup> September 2020)

Oral presentation

The Student Scientific Conference in Ostrava, Czechia  
(7<sup>th</sup> May 2013)

Oral presentation