

# Ing. Jan Rohlíček, Ph.D.

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## Education

2006-2011 Doctoral study at the **Department of Solid State Chemistry at the University of Chemistry and Technology, Prague**. PhD Thesis: Structure determination from X-Ray powder diffraction data  
2001-2006 **University of Chemistry and Technology, Faculty of Chemical Technology, Prague**  
Diploma work: Software development for electron density map interpretation

## Professional career

2010 - now Permanent position at the Department of Structure Analysis at the Institute of Physics of the Czech Academy of Sciences  
2016 - now Assistant at the Department of Chemistry and Physics at the University of Chemistry and Technology Prague  
2015-2016 One year position at the Max Planck Institute for Chemical Physics of Solids in Dresden.  
2009-2010 Temporary position at Laboratory of X-Ray Diffraction (Central Laboratories at the University of Chemistry and Technology Prague)  
2008-2009 Temporary position as a programmer at AHASWARE s.r.o. company.

## Research interest

- structure determination and refinement from X-Ray powder diffraction data
- development of the MCE2005 software which is used for displaying of electron density maps.
- development of the grid computing extension of the FOX software, which is used for crystal structure determination from powder diffraction data
- development of the CrystalCMP tool for comparison of crystal structures

## Teaching activities

Lectures at the University of Chemistry and Technology, Prague:

- Crystal engineering (2013)
- Crystal structure determination from X-ray powder diffraction data (from 2014)

Supervisor of topics at the University of Chemistry and Technology, Prague:

- Preparation of new pharmaceutical forms of non-steroidal analgesics (2013, MSc.)
- Comparison of two different approaches of crystal structure determination from X-ray powder diffraction data (2014, Bc.)
- Creating a database of fragments of simple organic compounds and their typical disorders in crystal structures (2019, Bc.)

**Publications (total):** 80 original papers published in impacted journals, Cited 796 times including self-citations, h-index is 15.