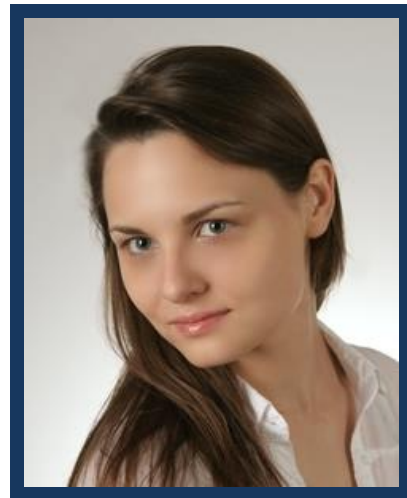


Ewa Patyk-Kaźmierczak

Position: PhD student
Address: Department of Materials Chemistry
Adam Mickiewicz University
Umultowska 89b
61-619 Poznań
Poland
E-mail : ewapatyk@amu.edu.pl
Phone: +48 618291724
Citizenship: polish
Website: https://www.researchgate.net/profile/Ewa_Patyk



PROJECTS

- | | |
|-------------------|--|
| VII 2016- VI 2017 | START Programme of the Foundation for Polish Science
Stipend for young, talented researcher |
| I 2016- I 2017 | PRELUDIUM Programme of the National Science Center "High-pressure behavior of γ -cyclodextrin-based metal-organic frameworks"
Principal investigator |
| X 2012- III 2014 | TEAM Programme of the Foundation for Polish Science " <i>Synthesis and Structure of Special Materials in Extreme Conditions</i> "
PhD student position |
| VII 2010-VI 2012 | TEAM Programme of the Foundation for Polish Science " <i>Synthesis and Structure of Special Materials in Extreme Conditions</i> "
MSc student position |

EDUCATION

- X 2012 – NOW PhD studies
Adam Mickiewicz University
Faculty of Chemistry
Poznań, Poland
- X 2010 – VI 2012 Master of Science degree
Adam Mickiewicz University
Faculty of Chemistry
Poznań, Poland
Specialization: Materials Chemistry
- X 2007 – VI 2010 Bachelor degree
Adam Mickiewicz University
Faculty of Chemistry
Poznań, Poland
Specialization: Cosmetic Chemistry

Courses

- 14 IX – 20 XII 2015 Internship at high-pressure beamline at Diamond Light Source
Diamond Light Source Ltd.
Didcot, United Kingdom
- 23 II – 26 III 2014 *Higher European Research Course for Users of Large Experimental
Systems (HERCULES)*
Joseph Fourier University/ Grenoble INP
Grenoble, France
- 27 XI – 18 XII 2011 *Training in low temperature and zone-melting crystallization*
Ruhr-Bochum University
Faculty of Chemistry
Bochum, Germany
- 26 – 27 IX 2011 *JANA2006 Workshops*
IX National Symposium of Synchrotron Radiation Users
Polish Academy of Science
Institute of Physical Chemistry
Warsaw, Poland

PUBLICATIONS

Giant strain geared to transformable H-bonded network in compressed β -D-mannose

E. Patyk, A. Jenczak, A. Katrusiak, *Phys. Chem. Chem. Phys.*, **18** (2016) 1474-11479.

Discrete CH \cdots N bonded patterns modified by temperature and pressure in four pyrazine polymorphs

E. Patyk, M. Podsiadlo, A. Katrusiak, *Cryst. Growth Des.* **15** (2015) 5670–5674.

CH \cdots N Bonds and dynamics in isostructural pyrimidine polymorphs

E. Patyk, M. Podsiadlo, A. Katrusiak, *Cryst. Growth Des.* **15** (2015) 4039–4044.

Transformable H-bonds and conformation in compressed glucose

E. Patyk, A. Katrusiak, *Chem. Sci.* **6** (2015) 1991–1995.

Conformational and H-bonding preferences for facile racemate crystallization of ribose

E. Patyk, A. Katrusiak, *Chirality* **26** (2014) 806–810.

Isothermal and isochoric crystallization of highly hygroscopic pyridine N-oxide of aqueous solution

E. Patyk, J. Marciniak, H. Tomkowiak, A. Katrusiak, K. Merz, *Acta Cryst Sect B* **70** (2014) 487–491.

Chiral aggregation hierarchy in high-pressure resolved 2-butanol and 2,3-butanediol

M. Podsiadlo, E. Patyk, A. Katrusiak, *CrystEngComm* **14** (2012) 6419–6423.

High-Pressure (+)-Sucrose Polymorph

E. Patyk, J. Skumiel, M. Podsiadlo, A. Katrusiak, *Angew. Chem. Int. Ed.* **51** (2012) 2146–2150.

MOST IMPORTANT CONFERENCES

- 23-28 VIII 2015 29th European Crystallographic Meeting
Croatian Association of Crystallographers
Rovinji, Croatia
Poster presentation: *High-pressure polymorphism of α -D-glucose*
- 5 – 12 VIII 2014 23rd Congress and general assembly of the International Union of
Crystallography
International Union of Crystallography
Montreal, Canada
Oral presentation (coauthor): *Biomolecular systems under pressure*
- 23 II – 26 III 2014 Higher European Research Course for Users of Large Experimental
Systems (HERCULES)
Joseph Fourier University/ Grenoble INP
Grenoble, France
Poster presentation: *High-pressure structures of organic compounds*
- 09 – 12 IX 2013 Meeting of the Italian, Spanish and Swiss Crystallographic Associations,
University of Insubria
Como, Italy
Oral presentation: *Compressed stacking in pyrimidine and pyrazine*
- 16 – 21 IX 2012 50th European High Pressure Research Group Meeting
Aristotle University of Thessaloniki
Thessaloniki, Greece
Oral presentation: *High-pressure sucrose polymorph*

AWARDS

- 2016 Scholarship for young researchers from Poznań granted by Poznań City Hall
- 2016 1st Prize in the contest of the Poznań Section of the Polish Academy of Science for the best original scientific paper written by PhD student and published in 2015
- 2015 2nd Degree team award for scientific achievements granted by the Dean of Adam Mickiewicz University
- 2013 2nd Degree team award for scientific and organization achievements granted by the Dean of Adam Mickiewicz University
- 2013 1st Prize in the contest of the Poznań Section of the Polish Academy of Science for the best original scientific paper written by PhD student and published in 2012
- 2012 Graduating Master Studies with *Maxima Cum Laude* distinction
- 2012 Master thesis awarded with the 2nd place in the contest for the best Master Thesis written at Adam Mickiewicz University in 2012

EXTRACURRICULAR ACTIVITY

Performed functions

- 2016 Member of the organizing comity of 9th Frolic Goats Workshop on High-Pressure Diffraction
- 2015 Member of the organizing comity and the chairman of 8th Frolic Goats Workshop on High-Pressure Diffraction
- 2014 Member of the organizing comity of 7th Frolic Goats Workshop on High-Pressure Diffraction
- 2012 Member of the organizing comity of 5th Frolic Goats Workshop on High-Pressure Diffraction

Language

- Polish- native
English- upper intermediate

Computer skills

MS Office, Visual Basic, GIMP, Inkscape

Crystallography software

CrysAlisPRO, SHELX, XPREP, XP