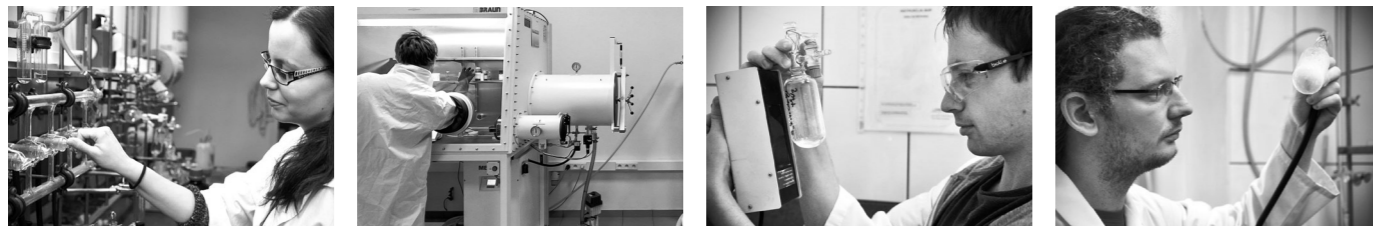


Laboratory of Organometallic and Materials Chemistry – The Lewiński Group



Head

Janusz Lewiński

Staff

Karolina Zelga
Wojciech Bury
Daniel Prochowicz
Elżbieta Chwojnowska
Agnieszka Grala

Current PhD students

Arkadiusz Kornowicz
Marcin Kubisiak
Adam Tulewicz
Abdul Raheem Keeri
Krzysztof Budny-Godlewski
Małgorzata Wolska
Adam Świerkosz
Łukasz Mąkowski
Szymon Komorski
Tomasz Pietrzak

Former PhD students

Maciej Dranka
Witold Śliwiński
Paweł Horeglad
Ewa Tratkiewicz
Wojciech Marciniak
Izabela Dranka
Tomasz Kaczorowski
Tomasz Kopec
Piotr Goś
Iwona Justyniak
Emil Bojarski
Marek Kościelski

Current research

- Inorganic and organometallic chemistry
- Activation of small molecules
- Photoluminescent materials
- ZnO quantum dots
- Microporous materials
- Molecular magnetism

Selected publications

Sokołowski K., Bury W., Justyniak I., Fairén-Jiménez D., Sołtys K., Prochowicz D., Yang S., Schröder M., Lewiński J., *Permanent Porosity Derived from the Self-Assembly of Highly Luminescent Molecular Zinc Carbonate Nanoclusters*, *Angewandte Chemie International Edition*, 52, 13414, 2013

Lewiński J., Śliwiński W., Dranka M., Justyniak I., Lipkowski J., *Reactions of [ZnR₂(L)] Complexes with Dioxygen: A New Look at an Old Problem*, *Angewandte Chemie International Edition*, 45, 4826, 2006

Kaczorowski T., Justyniak I., Lipińska T., Lipkowski J., Lewiński J., *Metal Complexes of Cinchonine as Chiral Building Blocks: A Strategy for the Construction of Nanotubular Architectures and Helical Coordination Polymers*, *Journal of the American Chemical Society*, 131, 5393, 2009

Lewiński J., Dranka M., Bury W., Śliwiński W., Justyniak I., Lipkowski J., *From Discrete Linear ZnBu₂ Molecules to 1D Coordination Polymers and 2D Fabrics*, *Journal of the American Chemical Society*, 129, 3096, 2007

Lewiński J., Dutkiewicz M., Lesiuk M., Śliwiński W., Zelga K., Justyniak I., Lipkowski J., *Solid State Conversion of the Solvated Dimer [tBuZn(μ-OtBu)(THF)]₂ to a Long Overlooked Trimeric [tBuZnOtBu]₃ Species*, *Angewandte Chemie International Edition*, 49, 8266, 2010

Sokołowski K., Bury W., Justyniak I., Cieślak A. M., Wolska M., Sołtys K., Dziegielewska I., Lewiński J., *Activation of CO₂ by tBuZnOH Species: Efficient Routes to Novel Nanomaterials Based on Zinc Carbonates*, *Chemical Communications*, 49, 5271, 2013



Research profile

Fundamental inorganic and organometallic chemistry
Functional materials
Nanomaterials
Supramolecular chemistry
Mechanochemistry
Asymmetric catalysis
Polymerization of cyclic esters
Bioimaging

Collaboration

University of Cambridge (UK) – Oren Scherman, Andrew Wheatley
École Polytechnique Fédérale de Lausanne (Switzerland) – Michael Grätzel
McGill University, Montreal (Canada) – Tomislav Friščić

Scientific Awards

- Maria Skłodowska-Curie Scientific Award of the Polish Academy of Sciences, 2008
- Award of HM Rector of the Warsaw University of Technology, 2011
- Laureate of the Master Programme of the Foundation for Polish Science, 2013

