

dr Przemysław Łabuz

A graduate of the Faculty of Biochemistry, Biophysics and Biotechnology of the Jagiellonian University (MSc. in Biochemistry).

Doctoral studies at the Faculty of Chemistry of the Jagiellonian University (PhD in chemistry).

Since 2011, he has been working in the Team of Photocatalysis headed by Prof. Wojciech Macyk, which is part of the Coordination and Bioinorganic Physicochemistry Group (prof. Grażyna Stochel).

Co-author of 22 scientific papers (cited about 500 times) and 5 patents.

A graduate of the Top 500 Innovators program at the Universities of Cambridge and Oxford. Co-founder (2015) and board member of InPhoCat Innovative Photocatalytic Solutions.

Research interests:

1. Synthesis and study of photoactive properties of semiconductor materials.
2. Sensitization of semiconductor materials to visible light.
3. Interactions of nanomaterials with biomolecules and biostructures.
4. Generation of reactive redox species in photocatalytic systems (ROS, RNS, RSS).
5. Industrial applications of materials of photocatalytic activity.