



Recruitment for the SHENG-1 Project in the Team of Photocatalysis:

Photocatalytic reduction of carbon dioxide based on p-type semiconductors

Position: **PhD student, two positions**

Institution: Faculty of Chemistry, Jagiellonian University in Kraków, Poland

in cooperation with: Wuhan University of Technology, Wuhan, China (Prof. Jiaguo Yu)

Period of stipend agreement: 35 months

Position starts on: October 1st, 2019

Stipend's amount: 3000 zloty/month (tax-free)

Selected goals of the project:

The main goal of the project is the development of *p*-type semiconducting photocatalysts, used alone or in combination with *n*-type semiconductors, for a more efficient solar fuels production encompassing one- and multi-electron CO₂ reduction.

Description of scientific interests of the Team of Photocatalysis and a brief project description can be found at www.photocatalysis.eu or www.fotokataliza.pl/sheng-1/

Profile of candidates:

- ✓ master degree in chemistry or related disciplines (e.g., materials science)
- ✓ good background in inorganic chemistry, material science and photochemistry
- ✓ high motivation for scientific work
- ✓ research experience will be advantageous
- ✓ good command in English

Required documents:

- ✓ motivation letter with description of candidate's research interests
- ✓ curriculum vitae including: list of awards, papers, conference presentations, trainings
- ✓ degree certificates
- ✓ a letter of recommendation

Principal Investigator: prof. dr. hab. Wojciech Macyk

Address for applications: macyk@chemia.uj.edu.pl

Closing date: September 15th, 2019

We thank all candidates for their interests. We will contact with the best candidates only.