



## 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:** September 1<sup>st</sup>, 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 CO<sub>2</sub> reduction.

Description of scientific interests of the Team of Photocatalysis and a brief project description can be found at [www.photocatalysis.eu](http://www.photocatalysis.eu) or [www.fotokataliza.pl/sheng-1/](http://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](mailto:macyk@chemia.uj.edu.pl)

**Closing date:** July 15<sup>th</sup>, 2019

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