

JOB OFFER

Position in the project:	Postdoc position
Scientific discipline:	Chemistry
Job type (employment contract/stipend):	Employment contract
Number of job offers:	1
Remuneration/stipend amount/month (*X0 000 PLN of full remuneration cost, i.e. expected net salary at X 000 PLN*):	8 350 PLN (10 000 PLN of full remuneration costs)
Position starts on:	August, 2019
Maximum period of contract/stipend agreement:	One year
Institution:	Faculty of Chemistry, Jagiellonian University in Kraków, Poland
Project leader:	Prof. dr hab. Wojciech Macyk
Project title:	<p>“In quest of a more efficient quantum solar energy exploitation in energy downhill and uphill photocatalytic processes”</p> <p><i>Project is carried out within the TEAM programme of the Foundation for Polish Science</i></p>
Project description:	<p>The goal of the project is to elaborate various photocatalytic and hybrid photocatalytic/catalytic materials with significantly improved efficiencies of quantum solar energy utilization. The project assumes design and synthesis of new photocatalysts in various forms offering high efficiencies of oxidation of organic pollutants or high quantum yield of photon to chemical energy conversion. Targeted quantum yields for energy downhill reactions should exceed the value of one due to combination of photocatalytic and catalytic reactions. A variety of photoactive catalysts, including hierarchical photocatalytic/catalytic materials, photonic/photocatalytic hybrid materials, and defected materials with fine-tuned electronic properties will be designed and studied. The photocatalysts will be optimized towards their application in photocatalytic removal of organic pollutants from waters.</p>
Key responsibilities include:	<p>Realization of the sub-projects No. 1, 3, 4:</p> <ol style="list-style-type: none"> 1. Hierarchical photocatalytic and catalytic materials 3. Defected materials in photocatalysis 4. Downhill and uphill processes – towards applications <p>The project description can be found at www.fotokataliza.pl</p>
Profile of candidates/requirements:	<ol style="list-style-type: none"> 1. doctoral degree in chemistry or related disciplines (e.g. materials science) received no earlier than in 2013 2. good experience in photochemistry/photocatalysis and material science 3. high motivation for scientific work 4. at least basic experience with photoelectrochemistry and spectroscopic techniques used for determination of the physicochemical properties of semiconductors will be advantageous 5. good papers published in international journals in a field of inorganic chemistry, materials science and photocatalysis

	<ol style="list-style-type: none"> 6. experience in the realization of the research projects in the field of photocatalysis and material engineering 7. experience in working abroad 8. good command in English
Required documents:	<ol style="list-style-type: none"> 1. application forms* 2. employee form 3. cover letter with description of candidate's research interests 4. curriculum vitae including: list of awards, papers,-conference presentations, trainings 5. a scanned copy of PhD and MSc diploma 6. a list of publications (including IF of the journal) 7. evaluation form of academic employee (for whom it may concern) 8. letter of recommendation 9. contact details to at least one academic referee 10. statements necessary in the case of a positive result of recruitment* <p>* Templates of the required documents are available on the website: www.fotokataliza.pl</p>
We offer:	<ol style="list-style-type: none"> 1. Work in an interdisciplinary environment and collaboration with international research groups 2. Competitive salary
Please submit the following documents to:	<p>etat@chemia.uj.edu.pl and macyk@chemia.uj.edu.pl</p> <p>(or submit paper version of the documents in a room C0-06 at the Faculty of Chemistry of Jagiellonian University, ul. Gronostajowa 2, Kraków (Poland))</p>
Application deadline:	<p>July 18, 2019</p> <p>(Candidates selected on the basis of the submitted applications will be invited to an interview)</p>
For more details about the position please visit (website/webpage address):	<p>www.fotokataliza.pl, www.photocatalysis.eu</p>
Euraxess job/stipend offer (in case of PhD and postdoc positions):	<p>https://euraxess.ec.europa.eu/jobs/417084</p>

Please include in your offer:

"I hereby give consent for my personal data included in my application to be processed for the purposes of the recruitment process under the Personal Data Protection Act as of 29 August 1997, consolidated text: Journal of Laws 2016, item 922 as amended."