


PERSONAL INFORMATION

Ing. Jaroslav Kuliček

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Sex M | Date of birth 07.08.1989 | Nationality Slovak and Serbian

WORK EXPERIENCE

- 08/2013 – present, Polymer Institut, Slovak Academy of Sciences
PhD. Student – Research and Technical Assistant
- research fellowship:
Brandenburgische Technische Universität (BTU), Fakultät für Naturwissenschaften,
Cottbus – Senftenberg, Campus Senftenberg, prof. V. Mirsky group, three weeks stay in July 2014
and September 2015

EDUCATION AND TRAINING

- 09/2013 – present PhD student at Polymer Institute, Slovak Academy of Sciences in Dr. Mária Omastová group under supervision of Ing. Matej Mičušík PhD. PhD theme is: „Sensors based on polymer nanocomposites“.
- 2011 – 2013 Slovak University of Technology in Bratislava, Faculty of Chemical and Food Technology, specialization: Technical chemistry – Physical chemistry. Master thesis: „Lipid isolation from algae“ (Award of National centre for research and application of renewable energy sources for best thesis).
Second Degree: Master of technical chemistry
- 2008 – 2011 Slovak University of Technology in Bratislava, Faculty of Chemical and Food Technology, specialization: Technical chemistry
First Degree: Bachelor of technical chemistry

PERSONAL SKILLS

Mother tongue(s) Slovak language

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
Serbian language	C2	C2	C2	C2	C2
English language	B2	B2	B2	B2	B2
German language	A2	A2	A2	A2	A2

- Communication skills**
- team spirit, communication skills gained during various seminars and leisure activities
 - good ability to adapt to multicultural environments, gained experience abroad

- Organisational / managerial skills**
- sense for the organization obtained during leisure activities and cultural events
 - good team management experience gained during leisure activities
 - effective planning time obtained during leisure activities

- Job-related skills**
- X-ray Photoelectron Spectroscopy, Cyclic voltammetry, Infra-Red Spectroscopy,
 - UV-Vis spectroscopy

Digital competence

SELF-ASSESSMENT				
Information processing	Communication	Content creation	Safety	Problem solving
Proficient user	Proficient user	Independent user	Independent user	Independent user

PC skills advanced: MS Windows, MS Office, MATLAB, and Origin

ADDITIONAL INFORMATION

Publications

GEORGIOUIS, G. - PANDIS, C. - KALAMIOTIS, A. - GEORGIPOULOS, P. - KYRITSIS, A. - KONTOU, E. - PISSIS, P. - MIČUŠÍK, Matej - CZANIKOVÁ, Klaudia - KULIČEK, Jaroslav - OMASTOVÁ, Mária. Strain sensing in polymer/carbon nanotube composites by electrical resistance measurement. In *Composites Part B: Engineering*, 2015, vol. 68, p. 162-169. (2.983 - IF2014). (2015 - Current Contents). ISSN 1359-8368. Typ: ADCA

MOSNÁČKOVÁ, Katarína - ŠPITALSKÝ, Zdenko - KULIČEK, Jaroslav - PROKEŠ, Jan - SKARMOUTSOU, Amalia - CHARITIDIS, Costas A. - OMASTOVÁ, Mária. Influence of preparation methods on the electrical and nanomechanical properties of poly(methyl methacrylate)/multiwalled carbon nanotubes composites. In *Journal of Applied Polymer Science*, 2015, vol. 132, no.13, art.no. 41721. (1.768 - IF2014). (2015 - Current Contents). ISSN 0021-8995. Typ: ADCA

GEMEINER, Pavol - KULIČEK, Jaroslav - MIKULA, Milan - HATALA, Michal - ŠVORC, Ľubomír - HLAVATÁ, Lenka - MIČUŠÍK, Matej - OMASTOVÁ, Mária. Polypyrrole-coated multi-walled carbon nanotubes for the simple preparation of counter electrodes in dye-sensitized solar cells. In *Synthetic Metals*, 2015, vol. 210, p. 323-331. (2.252 - IF2014). (2015 - Current Contents). ISSN 0379-6779. Typ: ADCA

KRIPOTOU, Sotiria - SOVATZOGLOU, Spyridon - PANDIS, Christos - KULIČEK, Jaroslav - MIČUŠÍK, Matej - OMASTOVÁ, Mária - KYRITSIS, Apostolos - KONSTA, Amalia - PISSIS, Polycarpus. Effects of CNT inclusions on structure and dielectric properties of PVDF/CNT nanocomposites. In *Phase Transitions*, 2016, vol. 89, no.7-8, p. 717-730. (0.858 - IF2015). ISSN 0141-1594. Typ: ADCA

HAMMAMI, Asma - KULIČEK, Jaroslav - RAOUAFI, Nouredine. A naphthoquinone/SAM-mediated biosensor for olive oil polyphenol. In *Food chemistry*, 2016, vol. 209, p. 274-278. (4.052 - IF2015). ISSN 0308-8146. Typ: ADCA

Abstracts

KULIČEK, Jaroslav - MIČUŠÍK, Matej - SCHERBAHN, Vitali - MIRSKÝ, Vladimír M. - OMASTOVÁ, Mária. Electrodes decorated by metal nanoparticles for sensing application. In *ChemZi : slovenský časopis o chémii pre chemické vzdelávanie, výskum a priemysel* : 67. Zjazd chemikov : Horný Smokovec, 7.-11. september 2015. - Bratislava : Slovenská chemická spoločnosť, 2015, 2015, roč.11, č. 1, s. 84. ISSN 1336-7242. Typ: AFH (lecture)

KULIČEK, Jaroslav - GEMEINER, Peter - MIČUŠÍK, Matej - ČÍKOVÁ, Eliška - ŠVORC, Ľubomír - UYGUN OKSUZ, Aysegul - OMASTOVÁ, Mária. Multiwall carbon nanotubes/polypyrrole composites as counter electrodes in dye sensitized solar cells. In *New Trends in Solar Cells : book of abstracts*. - Bratislava : Polymer Institute of SAS, 2016, p. 111-112. ISBN 978-80-970923-9-9. Typ: AFH (poster)

MIČUŠÍK, Matej - KULIČEK, Jaroslav - PODHRADSKÁ, Silvia - GEMEINER, Peter - MIKULA, Milan - ŠVORC, Ľubomír - OMASTOVÁ, Mária. Preparation and characterization of multiwall carbon nanotubes/polypyrrole nanocomposites for solar cells application. In *New Trends in Solar Cells : book of abstracts*. - Bratislava : Polymer Institute of SAS, 2016, p. 113-114. ISBN 978-80-970923-9-9. Typ: AFH (poster)

KULIČEK, Jaroslav - GEMEINER, Peter - MIČUŠÍK, Matej - ŠVORC, Lubomír – MIKULA, Milan - OMASTOVÁ, Mária. Carbon nanotubes/polypyrrole nanocomposites in the solar cells application. In The 24th International Conference on Science and Technology of Synthetic Metals: ICSM 2016: Guangzhou, China, June 26th – July 1st 2016: book of abstracts. - Guangzhou, China: South China University of Technology, 2016, non p., M-2-14.