

PERSONAL INFORMATION

RNDr. Tibor Sopčák, PhD. Dúhová 6, 04471 Čečeňovce (Slovakia) +421907612457 tsopcak@saske.sk

EDUCATION AND TRAINING

- 2012–2016 **Postgraduate degree "PhD.", Study program: Material Science**
Technical University of Košice, Faculty of Metallurgy, Košice (Slovakia)
- 2006–2008 **Master's degree "Mgr." Study program: organic chemistry**
Pavol Jozef Šafárik University (UPJŠ) in Košice, Faculty of Science, Košice (Slovakia)
- 2003–2008 **Bachelor degree "Bc." Study program: chemistry**
Pavol Jozef Šafárik University (UPJŠ) in Košice, Faculty of Science, Košice (Slovakia)

WORK EXPERIENCE

- 01/03/2017 **Štefan Schwarz fellowship holder**
Institute of Materials Research of the Slovak Academy of Sciences, Košice (Slovakia)
Preparation and characterization of new composite cements based on calcium phosphates with the addition of bioactive phases containing Mg^{2+} , Zn^{2+} and SiO_4^{4-} ions.
- 01/09/2016–28/02/2017 **Post doctoral fellowship**
Thin Film Physics Department of the Hungarian Academy of Sciences, Budapest (Hungary)
Synthesis and deposition of bioceramic coatings on Ti substrates using the low temperature electrospraying method.
- 01/09/2012–24/08/2016 **PhD. student**
Institute of Materials Research of the Slovak Academy of Sciences, Košice (Slovakia)
Synthesis and characterization of composite cements based on bioactive glasses and calcium phosphates as a potential material used for healing and regeneration of bones and teeth.
The aim of the dissertation work was to evaluate the mechanism of precipitation of bioactive glasses and to study the effect of bioactive glass addition on both the phase composition and microstructure, mechanical strength and setting times as well as in vitro cellular response of final composites.
- 01/10/2009–31/08/2012 **Chemical science technician**
Institute of Materials Research of the Slovak Academy of Sciences, Košice (Slovakia)
Synthesis and characterization of bioceramic materials; calcium phosphate mono and multiphase systems based on hydroxyapatite and alpha, beta-tricalcium phosphate, biocomposites and calcium phosphate cements with a nanometer particle size.
Synthesis and characterization of polymer - phenol formaldehyde resin as a potential insulating layer in soft magnetic composites (SMC) based on Fe powder coated with phenol formaldehyde resin.

PERSONAL SKILLS

Mother tongue(s) Slovak

Foreign language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	B2	B2	B2	B2	B2
German	A2	A2	A2	A2	A2
Hungarian	C1	C1	C1	C1	C1

Levels: A1 and A2: Basic user - B1 and B2: Independent user - C1 and C2: Proficient user
Common European Framework of Reference for Languages

Digital skills

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

Digital skills - Self-assessment grid