

**Kitti Szokoli, PhD**  
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## Education

- 2010 – 2017*      **Kitaibel Pál Doctoral School of Environmental Science**  
PhD, geoelectric research  
Topic: Two-dimensional imaging properties of DC geoelectric arrays  
using numerical and analogue modelling  
Sopron, Hungary
- 2005 – 2010*      **University of West Hungary, Sopron**  
MSc, Environmental engineering  
Sopron, Hungary

## Work Experience

- 2020 sept-*      **Soós Research and Development Center**  
**research fellow**
- 2018 jan-2018 jun*      **Soós Water Technology Research and Development Center**  
**lab engineer**  
tasks: HPLC measurements (NSAIDs) and the data evaluation
- 2013 – 2017*      **Hungarian Academy of Science (HAS)**  
**Geodetic and Geophysical Institute, research associate**  
tasks: field work, data management and processing, programming of  
data processing, establish and implement a new modelling  
environment

## Scholarships

2010 – 2013      **Hungarian State Scholarship for PhD students**  
2013 – 2016      **HAS, Young Researcher Fellowship**

## Research Experience

*Nov 2013 – Nov 2013*    **IIT Kharagpur, Department of Geology & Geophysics**  
Kharagpur, India

## Skills & Activities

*Skills*    R programming language, LaTeX, good problem solving skills, ability to compromise  
*Languages*    English (complex B2 language exam), German (complex B1 language exam)  
*Interests*    Photography, wall- and rock climbing

## Conference participations

2014:    The European Association of Geoscientists and Engineers (EAGE)  
Amsterdam, 2 presentations

2013:    Near Surface Geoscience  
Bochum, 1 presentation

2011:    EAGE, Vienna, 2 presentations

2011:    Congress of the Balkan Geophysical Society  
Budapest, 2 presentations

## Conference organization

2015:    Hungarian Space Research Forum, Sopron

## Major Publications

- K. Szokoli, L. Szarka, M. Metwaly, J. Kalmár, E. Prácser, S. Szalai: *Characterisation of a landslide by its fracture system using Electric Resistivity Tomography and Pressure Probe methods*. Acta Geodaetica et Geophysica 04/2017;; DOI:10.1007/s40328-017-0199-3
- S. Szalai, K. Szokoli, E. Prácser, M. Metwaly, M. Zubair, L. Szarka: *An alternative way in electrical resistivity prospecting: the quasi-null arrays*. Geophysical Journal International 2020; 220 1463-1480
- S. Szalai, K. Szokoli, M. Metwaly, Z. Gribovszki, E. Prácser: *Prediction of the location of future rupture surfaces of a slowly moving loess landslide by electrical resistivity tomography: Location of future rupture surfaces*. Geophysical Prospecting 2017; 65(2) 596-616.
- S. Szalai, I. Lemperger, M. Metwaly, Á. Kis, V. Wesztergom, K. Szokoli, A. Novák: *Increasing the effectiveness of electrical resistivity tomography using  $\gamma 11n$  configurations*. Geophysical Prospecting 2014; 63(2): 508-524.
- S. Szalai, I. Lemperger, M. Metwaly, Á. Kis, V. Wesztergom, K. Szokoli, A. Novák: *Multiplication of the depth of detectability using  $\gamma 11n$  arrays*. Journal of Applied Geophysics 2014; 107: 195-206.
- S. Szalai, A. Koppán, K. Szokoli, L. Szarka: *Geoelectric imaging properties of traditional arrays and of the optimized Stummer configuration*. Near Surface Geophysics 2013; 11(1): 51-62.