


## Anita SZABÓ, PhD

 **Department of Soil Chemistry and Turnover**, Institute for Soil Sciences, Centre for Agricultural Research  
Hungary 1022 Budapest, Herman Ottó Street 15.

 +36 1 212 2265  +36 30 845 4787

 [szabo.anita@atk.hu](mailto:szabo.anita@atk.hu)

 [www.mta-taki.hu](http://www.mta-taki.hu)

Gender: female | Date of birth: 27 January 1985 | Nationality: Hungarian

### POSITION

2014 - Research fellow  
Department of Soil Chemistry and Turnover, Institute for Soil Sciences, Centre for Agricultural Research

### STUDIES

2014 degree of Doctor of Philosophy in Crop Production and Horticulture, University of Debrecen  
2009 agricultural environmental management engineering, University of Debrecen

### RESEARCH AREA

During my PhD I examined the yield increasing effects of compost treatments in orchards. As a post-doctoral researcher I investigated the effects of different NPK fertilization levels on grass hay yield and NPK content, as well as on cellulose decomposition. I am currently working on two areas of research, examining: i) the phytotoxic effects of heavy metals on the soil-plant system ii) the impact of pig manure and slurry applications on the nitrate-N content of the soil profile and underground water.

### SELECTED SCHOLARSHIP

2018 TÉT competition – JJ. Strossmayer University (Osijek)  
2014 Campus Hungary – University of Nanjing (NAU)  
2014 Campus Hungary – The MacroJournals Conference on Medicine, Science, and Technology (Dubrovnik)  
2014 Campus Hungary – University of Edinburgh (SRUC)

### OTHER SKILLS

language mother language: Hungarian;  
German: intermediate  
English: intermediate

driving licence B category

### 5 MAIN PUBLICATIONS

- 2021 Koós Sándor, Pirkó Béla, Szatmári Gábor, Csathó Péter, Magyar Marianna, Szabó József, Fodor Nándor, Pásztor László, Laborczi Annamária, Pokovai Klára, **Szabó Anita**: *Influence of the Shortening of the Winter Fertilization Prohibition Period in Hungary Assessed by Spatial Crop Simulation Analysis*, SUSTAINABILITY 2021: (13) 417, 2021; doi:10.3390/su13010417, Energy Engineering and Power Technology 78/220 (Q2)
- 2021 Sándor Renáta, Iovino Massimo, Lubomir Lichner, Alagana Vincenzo, Forster Daniel, Fraser Mariecia, Kollár Jozef, Surda Peter, Nagy Viliam, **Szabó Anita**, Fodor Nándor: *Impact of Climate, Soil Properties and Grassland Cover on Soil Water Repellency*, GEODERMA 383: 114780, 2021; doi:10.1016/j.geoderma.2020.114780, Soil Science 9/125 (D1)
- 2020 PIRKO Bela, KOOS Sandor, SZABO Jozsef, RADIMSZKY Laszlo, CSATHO Peter, ARENDAS Tamas, FODOR Nandor, **SZABO Anita**: *Results of Hungarian field test trials set up for establishing new maximum permitted N dose values*, STUDIES IN AGRICULTURAL ECONOMICS 122: (2) pp. 77-85., 2020; doi:10.7896/j.2036, IV. Section of Agricultural Sciences A
- 2019 **Szabó Anita**, Pokovai Klára, Ragályi Péter, Rékási Márk, Sándor Renáta, Bernhardt Botond, Koncz József, Kremper Rita, Csathó Péter: *Nehézfém- és egyéb toxikus mikroelem-terhelés tartamhatása a főtermés mennyiségére szabadföldi kísérletben*, AGROKÉMIA ÉS TALAJTAN 68: (2) pp. 259-278., 2019; doi:10.1556/0088.2019.00044, Agronomy and Crop Science 259/344 (Q4)
- 2019 **Szabó Anita**, Pokovai Klára, Ragályi Péter, Rékási Márk, Sándor Renáta, Bernhardt Botond, Koncz József, Kremper Rita, Csathó Péter: *Nehézfém- és egyéb toxikus mikroelem-terhelés tartamhatása a talajból mért visszanyerési százalékok alakulására szabadföldi kísérletben*, AGROKÉMIA ÉS TALAJTAN 68: (2) pp. 293-314., 2019; doi:10.1556/0088.2019.00043, Agronomy and Crop Science 259/344 (Q4)