




## Anita SZABÓ, PhD

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

### POSITION

2014- **Research associate** (ATK TAKI TKAFO)

### STUDIES

- 2021 Certificate **Soil Science Specialist**, Hungarian University of Agriculture and Life Sciences, Gödöllő, Hungary
- 2014 Degree of **Doctor of Philosophy** (PhD), in Crop Production and Horticulture, University of Debrecen, Hungary
- 2009 **Agricultural environmental management engineering**, University of Debrecen, Hungary  
Field of Environmental technology and Environmental management

### 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 fertilization on the nitrate-N content of the soil profile and underground water.

### SELECTED SCHOLARSHIP

- 2022 TÉT competition – JJ. Strossmayer University (Osijek)
- 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 German: intermediate, 2008  
English: intermediate, 2011

Drivers licence 'B' category, 2002

### ASSORTED 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** 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 Pirkó Béla, Koós Sándor, Szabó József, Radimsky László, Csathó Péter, Árendás Tamás, Fodor Nándor, **Szabó 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, Agricultural and Biological Sciences (Q3)
- 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 százalékuk alakulására szabadföldi kísérletekben, **AGROKÉMIA ÉS TALAJTAN** 68: (2) pp. 293-314., 2019; doi:10.1556/0088.2019.00043, Agronomy and Crop Science 259/344 (Q4)