



Sándor Koós

✉ Email: koos@rissac.hu ✉ Email: koos.sandor@atk.hu

☎ Phone: (+36) 302313007 🌐 Website: <https://atk.hu/munkatarsak/koos-sandor/>

Gender: Male Date of birth: 1977. February 13. Nationality: Hungarian

ABOUT ME

Ha kívánja, itt röviden bemutatkozhat...

WORK EXPERIENCE

[2002 – 2011]

Research Assistant

Research Institute for Soil Science and Agricultural Chemistry of the Hungarian Academy of Sciences

City: Budapest

Country: Hungary

Investigation of seasonal dynamics of soil nutrients (NPK) in soil experiments, Measurement of CO₂ emissions from soils under field (in situ) and laboratory conditions; Measurements of soil moisture, soil temperature and water infiltration in fertilisation and tillage experiments; Development of field soil sampling and soil survey methodology; Soil and agrochemical research on the feasibility of precision agriculture in Hungary

[2011 – 2020]

Research Fellow

Research Institute for Soil Sciences, Centre for Agricultural Research

City: Budapest

Country: Hungary

Methodological development and field testing of in situ measurements of greenhouse gases (CO₂, NO_x) emitted by soils and their sampling; Nitrogen cycling (with emphasis on nitrate-N); Development and testing of digital soil mapping methods and field data collection technologies

[2020 – Current]

Senior Research Fellow

Research Institute for Soil Sciences, Centre for Agricultural Research

City: Budapest

Country: Hungary

Research and development related to nitrogen cycles (in particular nitrate-N) and the possibilities of amending the Nitrates Directive legislation; Development and testing of digital soil mapping methods and field data collection technologies; Project management

EDUCATION AND TRAINING

[1996 – 2002]

horticultural engineer

Szent István University Faculty of Horticulture

City: Budapest

Country: Hungary

[2004 – 2006]

Professional Soil Engineer

Szent István University, Faculty of Agriculture and Environmental Sciences

City: Gödöllő

Country: Hungary

[2010 – 2012]

Doctor of Plant Production and Horticultural Sciences (PhD)

Pannon Egyetem, Növénytermesztési és Kertészeti Tudományok Doktori Iskola

City: Keszthely

Country: Hungary

LANGUAGE SKILLS

Mother tongue(s): Hungarian

Other language(s):

English

LISTENING B2 READING B2 WRITING B2

SPOKEN PRODUCTION B2 SPOKEN INTERACTION B2

German

LISTENING A2 READING A2 WRITING A2

SPOKEN PRODUCTION A2 SPOKEN INTERACTION A2

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

NETWORKS AND MEMBERSHIPS

[2010 – 2020]

Agrochemistry and Soil Science Technical Editor

[2017 – Current]

President of the Education and Dissemination Section of the Hungarian Soil Science Society

[2018 – 2022]

Secretary of the Hungarian Soil Science Society

ORGANISATIONAL SKILLS

10th International Symposium on Soil and Plant Analysis organising secretary (2007)

Bridging the Centuries: 1909-2009. 100 years of soil science after the 1st Conference of Agrogeology in Budapest member of the organising committee (2009)

Talajtani Vándorgyűlés, Debrecen scientific committee member (2016)

Talajtani Vándorgyűlés, Pécs member of the organising committee (2018)

Talajtani Vándorgyűlés, Sárospatak member of the organising committee (2020)

Talajtani Vándorgyűlés, Hódmezővásárhely member of the organising committee (2022)

PROJECTS

[2003 – 2005]

A Vásárhelyi-terv továbbfejlesztésével (VTT) kapcsolatos terepi talaj-felvételezési feladatok végzése a Szamos-Krasznaközi-, a Hanyi-Tiszasülyi-, a Nagykunsági-, a Cigándi-, a Tiszaroffi- és a Nagykörüi tározók területén

[2004 – 2007]

Research on soil heterogeneity, crop protection and agronomy for the uptake of precision farming (GAK-PREC, ALAP1-00086/2004)

[2006 – 2008]

Laying the foundations for the development of environmentally sound, competitive agricultural practices and technologies to protect water against nitrate pollution (OM NKFP6-051/2005)

[2010 – 2012]

Launch of the Agrochemistry and Soil Science online (ATON) journal (TÁMOP-4.2.3 -08/1/KMR-2008-0008)

[2010 – 2013]

Development of the Soil Degradation Subsystem (TDR) of the National Environmental Information System (OKIR) (KEOP-6.3.0/2F/09-2009-0006)

[2015 – 2015]

Extension of the National Adaptation Geographic Information System (NATÉR) in the agricultural sector (AGRATÉR) (EEA-C12-12)

[2021 – 2021]

Review of the possibilities to modify the closed period set in FVM Decree 59/2008 (IV. 29.) (AGMF/36-1/2021)

[2021 – 2021]

Determination of nitrogen efficiency and new Nmax values adapted to the conditions of domestic farmers (4 experimental sites, representative plots, and on-farm trials provided by NAK and KITE) (AGMF/36-1/2021)

[2022 – 2022]

Small plot experiments modelling the environmental load of urea fertiliser use using ammonification, nitrification and digestion regulators to perform Nitrogen efficiency analyses (AGMF/28/2022)

PUBLICATIONS

MTMT ID: 10014118

ResearchGate: <https://www.researchgate.net/profile/Sandor-Koos-2>