

Tünde TAKÁCS

Senior research fellow

Professional experience

1996-
present

Department of Soil Biology Institute for Soil Sciences;
Centre for Agricultural Research

Skills

Research topic:

- ✓ study of role of arbuscular mycorrhizal fungi (AMF) in the host nutrition and the stress tolerance of host plants at abiotic stress conditions
- ✓ taxonomical study of indigenous AMF communities of Hungarian soils
- ✓ *in vitro* research of interpecific and functional diversity of AMF
- ✓ AMF spore isolation, the monospore strain production; the infective and effective strain selection for inoculation in ornamental, agronomic and forest plant species
- ✓ innovation of mycorrhizal promoted phytoremedial technologies
- ✓ the role of plant microsymbionts in ecological farming

Languages: German; English and Russian



Contact

Email:
takacs.tunde@atk.hu;
takacs@rissac.hu
Phone:
+36-30-961-7436

Education

Work address:
H-1022 Budapest,
Herman Ottó út 15.
Postal address:
H-1525 Budapest,
P.O. Box 102

1991-1996

Master's degree biology, chemistry teacher (Eötvös Lóránd University, Budapest, Hungary) „*Taxonomycal study of AMF species isolated from semiarid open sandy grasslands in Hungary*”

2001

Doctor of Biology (PhD) “*Arbuscular mycorrhizal fungi effect on heavy metal tolerance of the host plant (Lolium perenne L.) in polluted soils*” (Eötvös Lóránd University, Budapest, Hungary)

2010

Environmental expert with a complementary degree in legal studies (Eötvös Lóránd University, Budapest, Hungary)

Awards

2001

Hungarian Academy of Sciences Award for Scientific Outcome

2007

Honorary college professor of Károly Róbert Collage (Gyöngyös, Hungary)

2015

János Bolyai Research Fellowship (Hungarian Academy of Sciences)

2020

Honorary associate professor (Óbuda University)

Scientific works

Webpages:
<https://m2.mtmt.hu/gui2?type=authors&mode=browse&sel=10011973&view=pubTable>

Journal article in reviewed journal, complete 74
First or last author 40
Independent citations 873
Hirsch-index 16