Ramóna Kovács

Assistant research fellow

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H-1022 Budapest,
Herman Ottó út 15.
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H-1525 Budapest, P.O. Box 102

Professional experience

2013-recent

Department of Soil Biology and Soil Biochemistry
Institute for Soil Sciences and Agricultural Chemistry,
Centre for Agricultural Research of the Hungarian Academy of Sciences
http://mta-taki.hu/en
Research topic:

- ✓ study of role of arbuscular mycorrhizal fungi (AMF) in the stress tolerance of host plants at salt-affected habitats (Hungary)
- ✓ in vitro research of interpecific and functional diversity of AMF
- ✓ molecular investigation (DGGE, RFLP) of composition of soil indigenous AM fungi community and identification of selected strains originated from salt-affected soils

Skills

Languages: English B2, German B1

Basic programs: Microsoft Office Word, Excel, Powerpoint

Operating systems: Windows, Linux

Social media skills:

LinkedIn, Google Scoolar, Researchgate, Facebook

Cloud computing: Google Drive, Dropbox

Bioinformatical programs:

BioEdit, GeneDoc, Chromas, Mega7, Paup, Figtree, Jalview

Education

2016 — Ph.D. Winter School **"Novel approaches to unravel the plant-soil-microbial systems in action"**, Piacenza (Italian Society of Agricultural Chemistry)

2016 — **Salt-affected soils** Ph.D. course (MTA ATK TAKI)

2016 — Practical Course **"Bioinformatics: Computer Methods in Molecular and Systems Biology"**, Trieste (International Centre for Genetic Engineering and Biotechnology)

2014-recent — **Ph. D. School of Biology Sciences**
Eötvös Lóránd University, Budapest, Hungary
Topic title: Mycorrhizal status, microbial functionality of mycorrhizosphere and arbuscular mycorrhizal diversity in relation to vegetation types of Solonchak grassland in Apajpuszta

2011-2013 — **Biologist Master's degree**
Eötvös Lóránd University, Budapest, Hungary
Thesis title: Development of plastids and fast changes of pigment content in the carpel and stamen of tulip (*Tulipa* sp.)

2007-2011 — **Bachelor's degree in Biology**
Eötvös Lóránd University, Budapest, Hungary

Publications

2016 Tünde Takács, Imre Cseresnyés, Ramóna Kovács, Nóra Keller, Anna Füzy **Effectiveness of single and co-inoculation with Bradyrhizobium strains and AM fungi on soybean cultivars** *Növénytermelés 65:(suppl.) pp. 119-122. (2016)*

Imre Cseresnyés, Tünde Takács, Anna Füzy, Ramóna Kovács, Kálmán Rajkai **Detection of microsymbiont inoculation effects on root activity and biomass production in organic plant production systems** *Növénytermelés 65:(suppl.) pp. 47-50. (2016*)

Takács Tünde, Cseresnyés Imre, Kovács Ramóna, Parádi István, Szili-Kovács Tibor, Füzy Anna **Hazai szójafajták [Glycine max (L.) Merr.] és gyökérszimbionta oltóanyagok kompatibilitás-vizsgálata tenyészedény-kísérletben** *Növénytermelés, 65 (2), pp.77-97 (2016)*

2015 Anna Füzy, Ibolya Bíró, Ramóna Kovács and Tünde Takács **Estimation of AM fungal colonization – Comparability and reliability of classical methods** *Acta Microbiologica et Immunologica Hungarica, 62 (4), pp. 435–452 (2015)* **IF (2014): 0.778**

Kovács Ramóna, Parádi István, Szili-Kovács Tibor, Füzy Anna, Takács Tünde **Szikes talajok bennszülött arbuszkuláris mikorrhiza gomba közösségének vizsgálatai** *Sping wind conference book pp. 433-454 (2015)*

Tünde Takács, Imre Cseresnyés, Ramóna Kovács, István Parádi, Orsolya Gazdag, Tibor Szili-Kovács, Anna Füzy **Effect of Rhizobium and AM fungi inoculation on soybean** *Acta Fytotechnica et Zootechnica 18:(spec.iss.) pp. 131-133. (2015)*

Ramóna Kovács, Tibor Szili-Kovács, István Parádi, Andrea K. Borsodi, Anna Füzy, Tünde Takács **Mycorrhizal status and microbial functionality of mycorrhizosphere in relation to vegetation types of solonchak grassland in Apajpuszta** *Acta Microbiologica et Immunologica Hungarica 62:(suppl) pp. 169-170. (2015)*

Conferences

2016 **Spring wind** conference –Budapest, Hungary, lecture

2015 **Congress of the Hungarian Society of Plant Biology –** Pécs, Hungary lecture

Spring wind conference– Eger, Hungary lecture

17th International Congress of the Hungarian Society for Microbiology – Budapest, poster: Mycorrhizal status and microbial functionality of mycorrhizosphere in relation to vegetation types of solonchak grassland in Apajpuszta

5th International Conference on Organic Agriculture Sciences – Bratislava, posters: Effect of Rhizobium and AM fungi inoculation on soybean; Soybean cultivars and microsymbiont combinations under drought

Ecology of Soil Microorganisms – Prague, poster: Characterization of mycorrhizophere in a Hungarian saline-sodic grassland

2014 **Young Biotechnologists' National Conference –** Szeged, Hungary poster: Effect of managed mycorrhization on the quantitative and quality aspects of aromatic and medical plant production

2011 **XXX. Hungarian National Scientific Conference of University Students** Budapest Hungary ***Biology Section, I. place***