

Aydin Hassanzadeh

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Education

Master's Degree in Plant Pathology

Year: 2014 – 2017

Thesis title: Isolation and identification of endophytic fungi from the roots of annual plants in the central regions of Mazandaran province.

Sari Agricultural Sciences and Natural Resources University

Bachelor's Degree in Plant Protection

Year: 2004- 2008

University of Mazandaran

Work Experiences

Oilseed Research and Development Company (ORDC) – Applied Research and Seed Production Center (ARSPC) – The seed bank, microorganisms bank, and herbarium Departments.

The research expert at ARSPC – since 2010.

The expert of:

1. The plant protection and biological research department at ARSPC – since 2010.
2. The seed bank at ARSPC – since 2014.
3. The microorganisms bank and herbarium at ARSPC – since 2016.

The editor-in-chief of the monthly bulletin of oilseeds research at ARSPC, No.2 to No.29, 2011-2014.

Preparation and publication of scientific articles in more than 100 issues of the monthly bulletin of oilseeds research at ARSPC – since 2011.

Research Projects

1. "Isolation and Evaluation of different species of *Trichoderma* spp. on the caused of soybean charcoal rot and *Sclerotinia* disease of rapeseed stem rot", 2010- 2014 (Four Years), Corresponding executive.
2. "Restoration and evaluation of 240 different genotypes of flax", 2013- 2016 (three years), Corresponding executive.
3. "Restoration and evaluation of 85 peanut genotypes under Mazandaran province cultivation conditions", 2014 (one year), Corresponding executive.
4. "Restoration and evaluation of 1200 different soybean cultivars under Mazandaran province cultivation conditions" 2014- 2016 (three years), Corresponding executive.
5. "Restoration and evaluation of 220 varieties of rapeseed under conditions of Mazandaran province cultivation", 2016 (one year), Corresponding executive.
6. "Isolation and identification of endophytic fungi from the roots of annual plants in the central regions of Mazandaran province", 2015- 2017 (three years*).

Corresponding executive: **Aydin Hassanzadeh**

Supervisors: Dr. Mohammad Ali Tajick Ghanbari, Dr. Majid Aldaghi

Advisor: Dr. Valiolah Babaeizad

*This project was jointly conducted by “Sari Agricultural Sciences and Natural Resources University” and “Agricultural Research and Education Center of Mazandaran Province” in the form of a master's thesis.

7. "Molecular identification of 100 *Trichoderma* isolates", 2018 (one year), Corresponding executive.
8. "Evaluation and reproduction of 12 peanut cultivars in Golestan and Ardebil", 2019 (one year), Corresponding executive.
9. "Revival and Reproduction of 200 flax varieties in Mazandaran", 2019 (one year), Corresponding executive.
10. "Reproduction and assessment of 85 peanut varieties in Mazandaran", 2020 (one year), Corresponding executive.
11. "Evaluation and reproduction of 20 cultivars of Takato sunflower collection in Mazandaran", 2020 (one year), Corresponding executive.
12. "Revival and evaluation of 100 *Trichoderma* isolates", 2020 (one year), Corresponding executive.
13. "Reproduction and evaluation of 484 flax varieties in Mazandaran", 2020 (one year), Corresponding executive.
14. "Reproduction and Evaluation of 81 safflower genotypes in Mazandaran", 2020 (one year), Corresponding executive.
15. "The assessment of 11 peanut varieties and breeding lines in Mazandaran", 2021 (one year), Corresponding executive.

16. "The assessment of 10 sunflower cultivars in Mazandaran", 2021 (one year), Corresponding executive.
17. "The revival of 500 *Trichoderma* isolates in the microorganisms bank", 2021 (one year), Corresponding executive.
18. "The evaluation of 10 flax (*Linum usitatissimum*) varieties and cultivars in Mazandaran, and Golestan", 2021 (one year), Corresponding executive.
19. "The assessment of top 12 sunflower cultivars in Mazandaran", 2022 (one year), Corresponding executive.
20. "The assessment of top nine peanut varieties in Mazandaran", 2022 (one year), Corresponding executive.

Publications

Journal Publications

- Rezapoor Mehdi Alamdarlou, [Aydin Hassanzadeh](#), Ali Zaman Mirabadi, Kambiz Foroozan. 2018. *Evaluation the efficacy of Trichiderma isolates on biological control of soybean charcoal rot disease in laboratory and greenhouse condition*. Journal of BioControl in Plant Protection, 5 (1): 71-80. DOI: [10.22092/BCPP.2017.116072](https://doi.org/10.22092/BCPP.2017.116072)
- Mostafa Haghpanah, [Aydin Hassanzadeh](#), Ali Zaman Mirabadi, Kambiz Foroozan, Sajad Talaei. 2018. *Evaluation of the relationship between yield and yield components by sequential path analysis in peanut (*Arachis hypogaea* L.) genotypes*. Iranian Journal of Crop Sciences, 20 (2): 168-179.

Conference Publications

- [Aydin Hassanzadeh](#), Mohammad Ali Tajick, Majid Aldaghi, Valiolah Babaeizad. 2022. *The first report of Fusarium nygamai from rapeseed roots in the north of Iran*. 9th National Conference on Modern Studies and Research in Biology and Natural Sciences of Iran, Tehran, Iran.
- [Aydin Hassanzadeh](#), Mohammad Ali Tajick, Majid Aldaghi, Valiolah Babaeizad. 2017. *Introduction of new species of root endophytic fungi of annual plants in Iran*. 7th Agricultural and Sustainable Natural Resources Conference, Tehran, Iran.
- [Aydin Hassanzadeh](#), Mohammad Ali Tajick, Majid Aldaghi, Valiolah Babaeizad. 2017. *New genera for mycobiota of Iran*. 3rd Iranian Mycological Congress, 26-28 August 2017, University of Kurdistan, Sanandaj, Iran, Kurdistan, Sanandaj, Iran.
- [Aydin Hassanzadeh](#), Mohammad Ali Tajick Qanbari, Majid Aldaghi, Valiolah Babaeizad. 2017. *First report of Macrophomina phaseolina from Abutilon theophrasti roots in Iran*. 3rd Iranian Mycological Congress, 26-28 August 2017, University of Kurdistan, Sanandaj, Iran, Kurdistan, Sanandaj, Iran.
- Mohammad Ali Tajick Qanbari, [Aydin Hassanzadeh](#), Majid Aldaghi, Valiolah Babaeizad. 2017. *New species of root endophytic fungi of annual plants in Iran*. 3rd Iranian Mycological Congress, 26-28 August 2017, University of Kurdistan, Sanandaj, Iran, Kurdistan, Sanandaj, Iran.
- Ali Zaman Mirabadi, Rezapoor Mahdi Alamdarlou, Afshin Esmaeilifar, Seyed Iman Janani, [Aydin Hassanzadeh](#). 2011. *An evaluation on the effects of sowing date, variety and number of spraying*

on rapeseed pollen beetle control in Iran. An evaluation on the effects of sowing date, variety and number of spraying on rapeseed pollen beetle control in Iran. 13th international rapeseed congress.

Ali Zaman Mirabadi, Rezapoor Mahdi Alamdarlou, Afshin Esmaeilifar, Seyed Iman Janani, [Aydin Hassanzadeh](#). 2011. *Sclerotinia stem rot disease of rapeseed in the north of Iran*. 13th international rapeseed congress.

Workshops

Production of *Cryptollaemus montrouzieri*

Agricultural research education, and extension organization; 2010.

Evaluation of proteins by SDS-PAGE method

Genetic and Agricultural Biotechnology Institute of Tabarestan; 2018.

Scientific Memberships

Culture Collections Information Worldwide, Iranian Mycological Society.

Skills

Plant protection, Isolation and identification of fungal endophytes, pathogens, and symbiosis agents, Biological control of plant diseases, Molecular identification of fungi, Plant diseases management, Seed pathology, Fungal taxonomy, NCBI.

Laboratory, Greenhouse & Field Skills

Isolation and purification of fungi, DNA extraction (fungi), PCR, Agricultural Designs (CRD, Lattice design, RCBD).

Softwares

BLAST, MEGA, MS Office, Operating systems.

Languages

Persian, English.