

## CURRICULUM VITAE

(Current 2018)

### PERSONAL PROFILE:

**Surname:** Mehrabi-Koushki

**First name:** Mehdi

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### Current title, position and address:

Assistant Professor of Plant Pathology (Mycology and Biocontrol), Plant Protection Department, Shahid Chamran University of Ahvaz, Ahvaz, Khuzestan Province, Iran

**Country of nationality:** Iran

**Date and place of birth:** Apr 1, 1973, Isfahan, Iran

**ORCID:** <http://orcid.org/0000-0002-1893-1458>

### EDUCATIONAL QUALIFICATIONS:

**2009-2013:** Philosophical degree (PhD) - Ferdowsi University of Mashhad (IRAN)

**Major:** Plant Pathology (Mycology and Fungal Diseases)

**Thesis:** The study of the differential genes expression of *Trichoderma* fungus during tomato spermosphere and rhizosphere colonization through profiling Transcriptional responses

**Oct., 2011- Apr, 2012:** Guest Predoc Student in Spanish-Portuguese Centre for Agricultural Research, Department of Microbiology and Genetics, Salamanca University, Spain.

**2004-07:** Master of Science, Buali Sina University (IRAN)

**Major:** Plant Pathology

**Thesis:** Feasible study on biological control of take-all and common bunt of wheat by using mixture of effective isolates of *Trichoderma* and mustard flour.

**1992-96:** Bachelor of Science, Isfahan University of Technology, (IRAN).

Major: Plant Protection.

### TEACHING EXPERIENCE

**Shahid Chamran University of Ahvaz, Ahvaz, Iran (2013-now)**

Mycology, Molecular Systematics of the Fungi, Plant Pathology Fundamental, Research Methods in Plant Pathology, Molecular Methods in Plant Pathology, Molecular Genetic

**Islamic Azad University, Khorasgan (Isfahan) Branch, Ahvaz, Iran (2011-2012)**

Plant Pathology Fundamental, Plant Protection Practices

**Shahid Babaei University of Applied Sciences, Arak, Iran (2008-2012)**

Potato Diseases, Integrated Diseases Management, Epidemiology of Plant Diseases

**Agricultural and Natural Resources Engineering Organization of IRAN, Arak (2008-2010)**

The diseases of field crops, fruit trees, ornamentals and vegetables

### RESEARCH INTEREST:

**SKILLS AND QUALIFICATIONS:**

Molecular genetic of the Fungi (Transcriptome, Manipulation and ...)

Applied soft wares in phylogeny and nucleic acid analysis

**PUBLICATIONS:**

**English Papers:**

1. Mehrabi-Koushki M., Pooladi P., Eisvand P., Babaahmadi G. 2018. *Curvularia ahvazensis* and *C. rouhanii* spp. nov. from Iran. *Mycosphere* 9(6): 1173–1186. (IF<sub>2017</sub>: 2.02)
2. Heidari K., Mehrabi-Koushki M., Farokhinejad R. 2018. *Curvularia mosaddeghii* sp. nov., a novel species from the family Pleosporaceae. *Mycosphere* 9(4): 635–646. (IF<sub>2017</sub>: 2.02)
3. Azimi M., Mehrabi-Koushki M., Farokhinejad R. 2018. Association of two groups of phytoplasma with various symptoms in some wooden and herbaceous plants. *Journal of Phytopathology* 166(4): 166 273–282. (IF<sub>2017</sub>=0.8)
4. Dehdari F., Mehrabi-Koushki M., Hayati J. 2018. *Curvularia shahidchamranensis* sp. nov., a crude oil-tolerant fungus. *Current Research in Environmental & Applied Mycology* 8(6): 572–584.
5. Babaahmadi G., Mehrabi-Koushki M., Hayati J. 2018. *Allophoma hayatii* sp. nov., an undescribed pathogenic fungus causing dieback of *Lantana camara* in Iran. *Mycological Progress* 17(3): 365–379. (IF<sub>2017</sub>=1.9).
6. Ahmadpour S.A., Mehrabi-Koushki M., Farokhinejad R. 2017. *Neodidymelliopsis farokhinejadii* sp. nov., an undescribed fungus from dead branches of trees in Iran. *Sydowia* 69: 171–182. (IF<sub>2017</sub>=0.93).
7. Heidari K., Farokhinejad R., Mehrabi-Koushki M. 2018. Occurrence of purslane leaf spot caused by *Dichotomophthora lutea* in Iran. *Australasian Plant Disease Notes* 13(1):1–4. (ISI).
8. Mehrabi-Koushki M., Khodadadi-Pourarpanahi S. and Jounbozorgi S. 2018. Fungal endophytes associated with some thermo-tolerant plants in salt-stress ecosystem. *Mikologiya i Fitopatologiya* 52(3):187–195. (ISI).
9. Emami P., Mehrabi-Koushki M., Hayati J., Aeni M. 2018. Detection and identification of some *pseudomonas* species causing soft rot using *tuf* gene. *Biological Journal of microorganisms*, DOI: 10.22108/bjm.2018.112453.1152 (accepted paper).
10. Ahmadpour S.A., Farokhinejad R., Mehrabi-Koushki M. 2017. Further characterization and pathogenicity of *Didymella microchlamydozpora* causing stem necrosis of *Morus nigra* in Iran. *Mycosphere* 8(7): 835–852. (IF<sub>2017</sub>=2.02)
11. Azimi M., Farokhi-Nejad R., Mehrabi-Koushki M. 2017. First report of *Candidatus Phytoplasma aurantifolia* (16SrII group) associated with *Conocarpus erectus* disease in Iran. *Australasian Plant Disease Notes* 12:(27): 1–4. (ISI)
12. Azimi M., Farokhi-Nejad R., Mehrabi-Koushki M. 2017. First report of a '*Candidatus Phytoplasma aurantifolia*'-related strain associated with leaf roll symptoms on eucalyptus in Iran. *New Disease Reports* 35: 4.

13. Azimi M., Farokhi-Nejad R., Mehrabi-Koushki M. 2016. First report of a '*Candidatus* Phytoplasma aurantifolia'-related phytoplasma strain associated with yellowing symptoms on pineapple palm in Iran. *New Disease Reports* 34: 4.
14. Moradi N., Rajabi-Memari H., Mehrabi-Koushki M., Taherkhani K., Moazzen-Reza-Mahalle H., Sheikhi F., Nasirpour N., Sanjabifard Z. 2015. First report of *Sugarcane streak mosaic virus* in Iran. *New Disease Reports* 32: 2.
15. Mehrabi-Koushki, M., Rouhani H., Mahdikhani Moghaddam E. 2012. Differential display of abundantly expressed genes of *Trichoderma harzianum* during colonization of tomato–germinating seeds and roots. *Current Microbiology* 65(5): 524–533 (IF<sub>2011</sub>=1.8)
16. Mehrabi-Koushki M., Rouhani H., Farsi, M. 2011. Genetic manipulation of fungal strains for Improvement of heterologous genes expression (a minireview). *African Journal of Biotechnology* 10(41): 7939–7948. (IF<sub>2010</sub>=0.57)
17. Zafari D., Mehrabi-Koushki M., Bazgir E. 2008. Biocontrol evaluation of wheat take-all disease by *Trichoderma* screened isolates. *African Journal of Biotechnology* 7(20): 3650–3656. (IF<sub>2010</sub>=0.57)
18. Mehrabi-Koushki M., Zafari D. 2007. Feasible Study of twin application of *Trichoderma* biological agents and fungicides using to Control wheat bunts. *International Journal of Applied Agricultural Research* 2:109–118.

**Persian Papers with English Abstract:**

**English Papers:**

19. Dehdari Farzaneh, Mehrabi-Koushki Mehdi, Hayati Jamshid. 2019. Contribution to the identification of fungi growing in lands contaminated by Marun oil field in Ahvaz. *Journal of Soil Biology* (accepted paper) (In Persian with English Abstract)
20. Jonbozorgi S., Mehrabi-Koushki M., Farokhinejad R. 2019. New records and hosts of the *Curvularia* species in Iran. *Rostaniha* 20(1): (ISI, accepted paper) (In Persian with English Abstract)
21. Jonbozorgi S., Mehrabi-Koushki M., Farokhinejad R. 2019. Isolation and identification of fungal endophytes of the cowpea in Khuzestan Province. *Biological Journal of microorganisms*, DOI: 10.22108/bjm.2018.113754.1167 (accepted paper) (In Persian with English Abstract)
22. Mehrabi-Koushki Mehdi, Farokhinejad Reza. 2019. The comparison of ITS, D1/D2 LSU rDNA, tub2 and rpb2 regions to delimit *Allophoma*, *Didymella* and *Neodidymelliopsis* species from the family Didymellaceae. *Iranian Journal of Plant Protection Science* (accepted paper) (In Persian with English Abstract).
23. Heidari K., Farokhinejad R., Mehrabi-Koushki M. 2018. Detection and molecular identification of *Colletotricum* species causing anthracnose disease of some plants in Khuzestan province (Iran). *Rostaniha* 19(1): 19–32. (In Persian with English Abstract)
24. Mehrabi-Koushki Mehdi, Bavarsad Maryam, Farokhinejad Reza. 2017. Identification of *Trichoderma* Species Using Partial Sequencing of nrRNA and tef1 $\alpha$  Genes with Report of *Trichoderma capillare* in Iran Mycoflora. *Journal of Plant Protection* 31: 362–373. (In Persian with English Abstract)
25. Mehrabi-Koushki Mehdi, Bavarsad Maryam, Farokhinejad Reza, Jamshidi Mehdi, Alimohamadi Ashkan. 2017. The comparison of ITS-rDNA and tef1 $\alpha$  genomic

- regions for phylogenetic study of some *Trichoderma* Species. Iranian Journal of Plant Protection Science 47: 67–77. (In Persian with English Abstract)
26. Nasrabadi Fatemeh, Enayati-Zamir Naimeh, Mehrabi-Koushki Mehdi, Shomeily Mahmood. 2016. Screening of salinity and temperature tolerant *Trichoderma* isolates, and its effect on *Zea mays* growth at in vitro condition. Plant Protection 39(2): 47–58. (In Persian with English Abstract)
  27. Salari Ebrahim, Rouhani Hamid, Mahdikhani-Moghaddam Esmat, Saberi Reseh Roohallah, Mehrabi-Koushki Mehdi. 2015. Efficacy of two methods "seed coating" and "soil application" of trichoderma on growth parameters of tomato plant. Journal of Plant Protection 28(4): 500–507.
  28. Mehrabi-Koushki, M., Rouhani, H., and Mahdikhani Moghaddam, E. 2014. Gene ontology of *Trichoderma harzianum* differential ESTs during colonization of tomato spermosphere and rhizoplane. Iranian Journal of Plant Protection Science, 45(1):171–184.
  29. Mehrabi-Koushki, M., Zafari, D., and Sharifnabi, B. 2009. Control study of wheat common bunt by using mustard flour, *Trichoderma* isolates and biological materials. Iranian J. Sci. Tech. Agric. Nat. Res. IUT. Isfahan, 13(47):741–747.
  30. Mehrabi-Koushki, M., and Zafari, D. 2009. Growth Promoting of Wheat Plant by *Trichoderma* Isolates. Iranian Journal of plant protection science, 39(1):91–96.
  31. Mehrabi-Koushki, M., Zafari, D., and Rouhani H. 2008. Compatibility of *Trichoderma* species with fungicides using to Control common bunt of wheat and barley. Iranian J. of Agric. Sci. And Nat. Res. UASG. Gorgan, 14(6):151–160.
  32. Mehrabi-Koushki, M., Zafari, D., Rouhani H., and Ghalandar, M. 2007. Effectiveness of *Trichoderma* isolates, mustard flour and two biologic commercial products for biocontrol of wheat take-all. Iranian J. of Agri. Sci. TU. Tabriz, 17(3):197–208.
  33. Mehrabi-Koushki, M., and Zafari, D. 2007. Feasible Study of twin application of *Trichoderma* biological agents and fungicides using to Control wheat bunts. International Journal of Applied Agricultural Research, 2:109–118.

#### **Scientific-Extension Papers:**

34. Mehrabi-Koushki, M., and Zafari, D. 2009. The effects of *Trichoderma* fungus species in plant diseases biocontrol. Iranian J. Zeitoon. AJM. Tehran, 200:27–33.

#### **Full text Papers presented at a conference:**

1. Mehrabi-Koushki, M., Zafari, D., and Nazmi Roudsari, F. 2008. To help identification of *Trichoderma* fungus species in plants rhizosphere of urban greenspace in Markazi province. The proceedings of The 3<sup>th</sup> National Congress on Urban Landscape & Greenspace, 23–24 Feb, Kish Island, Iran, p 226–233.