

Curriculum Vitae



NAME & SURNAME: Mehdi Mehrabi-Koushki

DATE OF BIRTH: Apr 1, 1973

 **ADDRESS, SUBURB, STATE, POSTAL CODE:** Department of Plant Protection, Shahid Chamran University of Ahvaz, Ahvaz, Khuzestan Province, Iran & Postal Code: 6135783151

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PROFESSIONAL PROFILE:

Associate Professor of Plant Pathology (Mycology and Biocontrol) in Shahid Chamran University of Ahvaz.

SKILLS AND QUALIFICATIONS:

- Molecular genetic of the Fungi (Transcriptome, Manipulation, Gene Knockout and ...).
- Molecular Phylogeny of Fungi (different algorithms including Bayesian Inference, Maximum Likelihood, and Maximum Parsimony and ...).
- Applied soft wares in phylogeny and nucleic acid analysis

AUTHOR PROFILES:

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

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Personal Page at University: <https://agri.scu.ac.ir/~mhdmhrb>

EDUCATION BACKGROUND:

Ph.D.:

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

Major: Plant Pathology (Mycology and Fungal Diseases)

Curriculum Vitae



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

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

M.S.:

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

Major: Plant Pathology

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

B.S.:

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

Major: Plant Protection.

TEACHING AND TRAINING EXPERINCE:

- Shahid Chamran University of Ahvaz, Ahvaz, Iran (2013-now)
- Mycology, Molecular Systematics of the Fungi, Fundamentals of Plant Pathology, Research Methods in Plant Pathology, Molecular Methods in Plant Pathology, Molecular Genetic
- Islamic Azad University, Khorasgan (Isfahan) Branch, Ahvaz, Iran (2011-2012)
- Fundamentals of Plant Pathology, Practices in Plant Protection
- 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

INTERESTS AND RESEARCH FIELDS:

Molecular Systematic of the Fungi, Functional Genomics of the Fungi, Biocontrol

RESEARCH ACTIVITIES:

PUBLICATIONS:

ENGLISH PAPERS:

- Aghyl H., Mehrabi-Koushki M., Esfandiari M. (2021) *Chaetomium iranicum* and *Collariella capillicompacta* spp. nov. and notes to new hosts of *Amesia* species in Iran. *Sydowia* 73: 21–30.
- Safi A., Mehrabi-Koushki M., Farokhinejad R. 2020. *Amesia khuzestanica* and *Curvularia iranica* spp. nov. from Iran. *Mycological Progress* 19(9): 935–945.

- Song J., Liang J.-F., Mehrabi-Koushki M., Krisai-Greilhuber I., Ali B., Bhatt V.K., Cerna-Mendoza A., Chen B., Chen Z.-X., Chu H.-L., Corazon-Guivin M.A., da Silva G.A., De Kesel A., Dima B., Dovana F., Farokhinejad R., Ferisin G., Guerrero-Abad J.C., Guo T., Han L.-H., Ilyas S., Justo A., Khalid A.N., Khodadadi-Pourarpanahi S., Li T.-H., Liu C., Lorenzini M., Lu J.-K., Mumtaz A.S., Oehl F., Pan X.-Y., Papp V., Qian W., Razaq A., Semwal K.C., Tang L.-Z., Tian X.-L., Vallejos-Tapullima A., van der Merwe N.A., Wang S.-K., Wang C.-Q., Yang R.-H., Yu F., Zapparoli G., Zhang M., Antonín V., Aptroot A., Aslan A., Banerjee A., Chatterjee S., Dirks A.C., Ebrahimi L., Fotouhifar K.-B., Ghosta Y., Kalinina L.B., Karahan D., Maiti M., Mookherjee A., Nath P.S., Panja B., Saha, J., Ševčíková H., Voglmayr H., Yazıcı K. & Haelewaters D. 2019. Fungal systematics and evolution 5. Sydowia 71: 141–245.
- Ranjbar R., Roayaei Ardakani M., Mehrabi-Koushki M., kazeminezhad I. 2019. Identification of toxigenic aspergillus species from rice of Khuzestan and mycotoxins in imported cereals. Iran J Medical Microbiology 13 (5): 355–373.
- Ebrahimi H., Mortazavi S.M.H., Khorasani-Ferdavani M.E., Mehrabi-Koushki M. 2019. The impact of two- sided ultraviolet radiation and long- term freezing on quality of date fruit at rutab stage. Journal of Food Processing and Preservation 43: e14128.
- Larki R., Mehrabi-Koushki M., Farokhinejad R. 2019. Ectophoma iranica sp. nov. and new hosts and records of Allophoma spp. in Iran. Journal of Phytopathology 167: 538–545.
- Mehrabi-Koushki M., Pooladi P., Eisvand P., Babaahmadi G. 2018. Curvularia ahvazensis and C. rouhaniae spp. nov. from Iran. Mycosphere 9(6): 1173–1186.
- Heidari K., Mehrabi-Koushki M., Farokhinejad R. 2018. Curvularia mosaddeghii sp. nov., a novel species from the family Pleosporaceae. Mycosphere 9(4): 635–646.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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 20: 1–8.
- Ahmadpour S.A., Farokhinejad R, Mehrabi-Koushki M. 2017. Further characterization and pathogenicity of Didymella microchlamydospora causing stem necrosis of Morus nigra in Iran. Mycosphere 8(7): 835–852.
- 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.

- 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.
- 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.
- 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.
- 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.
- 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.
- 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.

PERSIAN PAPERS WITH ENGLISH ABSTRACT:

- Khodadadi-pourarpanei S., Mehrabi-Koushki M., Farokhinejad R. 2021. A study of the antifungal effects of Trichoderma strains on four root and crown pathogens of cowpea. Biological Journal of microorganisms. (<http://dx.doi.org/10.22108/bjm.2021.125835.1349>).
- Nemati Mondani-Pour O., Farokhinejad R., Mehrabi-Koushki M. 2021. Identification of Fusarium species associated with root rot symptoms of the rapeseed in Khuzestan province. Journal of Applied Research in Plant Protection (JARPP) 10 (1): 31–47.
- Larki R., Mehrabi-Koushki M., Farokhinejad R. 2019. Identification of Chaetomium and Amesia Species Associated with Different Diseases of some Herbaceous Ornamentals in Ahvaz. Biological Journal of Microorganism 8(31): 33–50.
- Sanjabifard Z., Rajabi-Memari H., Mehrabi-Koushki M. 2019. A study on the infection of Sugarcane Mosaic Virus in different cultivars of sugarcane in Khuzestan province. Iranian Journal of Plant Protection Science 50(1): 41–48.
- Khodadadi-pourarpanei S., Mehrabi-Koushki M., Farokhinejad R. 2019. Contribution to identification of some fungal endophytes associated with the harsh ecosystems of Abadan and Ahvaz. Journal of Applied Researches in Plant Protection 8(2): 50–65.
- 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 7(2): 149–165.
- Jonbozorgi S., Mehrabi-Koushki M., Farokhinejad R. 2019. New records and hosts of the Curvularia species in Iran. Rostaniha 20(1): 1–13.
- 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 49(2): 309–320.
- Jonbozorgi S., Mehrabi-Koushki M., Farokhinejad R. 2019. Isolation and identification of

fungal endophytes of the cowpea in Khuzestan Province. *Biological Journal of microorganisms* 8(29): 97–115.

- 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.
- Mehrabi-Koushki Mehdi, Bavarsad Maryam, Farokhinejad Reza. 2017. Identification of *Trichoderma* Species Using Partial Sequencing of nrRNA and *tef1 α* Genes with Report of *Trichoderma capillare* in Iran *Mycoflore. Journal of Plant Protection* 31: 362–373.
- Mehrabi-Koushki Mehdi, Bavarsad Maryam, Farokhinejad Reza, Jamshidi Mehdi, Alimohamadi Ashkan. 2017. The comparison of ITS-rDNA and *tef1 α* genomic regions for phylogenetic study of some *Trichoderma* Species. *Iranian Journal of Plant Protection Science* 47: 67–77.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.

SCIENTIFIC-EXTENSION PAPERS:

- 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.

CONFERENCE PRESENTATIONS:

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

LANGUAGES:

Curriculum Vitae



PERSIAN: Native
ENGLISH: Intermediate