CURRICULUM VITAE

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Academic qualifications

PhD: Islamic Azad University, Science and Research Branch, Tehran, Iran (2015-2020)
MSc: Islamic Azad University, Damghan, Iran (2005-08)
BSc: Islamic Azad University, Damghan, Iran (2000-03)

interests

Plant Fungal Diseases Pathogenicity, Genetic Diversity, and Plant Fungal diseases Management

Selected research projects

- Evaluation of the response of barley Elite lines and some commercial cultivars to leaf stripe disease (2020-2021 cropping season)
- Rapid diagnosis of barley leaf stripe caused by *Pyrenophora graminea*
- Evaluation of some chemical fungicides for controlling leaf spot diseases of date palm (*Phoenix dactylifera*) in kerman and Hormozgan provinces

- Study on reaction of some commercial cultivars/ advanced lines of wheat to crown and root rot diseases caused by *Fusarium culmorum* and *F. pseudograminearum*
- Study on the efficacy of Iprodion + carbendazim WP 52/5% with different commercial names in control of barley leaf stripe
- Complementary study on evaluation of some wheat cultivars and lines for resistance to crown rot caused by *Fusarium culmorum* and *F. pseudograminearum*
- Assessment of the efficacy of Tachigaren 30 L (Hymexazole SL 30%) fungicide in controlling of tomato Fusarium wilt disease in greenhouse condition
- Assessment of the efficacy of Consento SC 450 fungicide in controlling of potato Early- Blight disease
- Study on the efficacy of Cabrio Due (EC 11/2%) in the control of early blight of tomato
- Study of the efficacy of Signum (WG 33/4%) in control of early blight of tomato.
- Developing the distribution map of wheat stem rust (Ug99 race) disease in Iran using Geographic Information System (GIS).
- Testing some wheat cultivars and lines for resistance to crown rot caused by *Fusarium culmorum.*
- Investigation on pathogenicity differences & genetic diversity of *Fusarium oxysporum* main cause of potato wilt disease.
- Study on somaclonal variation in sesame (*sesamum indicum* L.) for resistance to *Fusarium oxysporum* f. sp. *sesami.*
- Evaluation of potato commercial cultivars and promising clones reaction to Fusarium species causing tuber dry-rot and seed-pieces-decay diseases.
- Evaluation of the efficacy of some new fungicides in control of potato Late-Blight disease.
- Anastomosis group identity and virulence of *Rhizoctonia solani* collected from root and crown of rapeseed.
- Etiological study and distribution of crown and root rot of strawberry.
- Study of possibility of biological control of strawberry black root rot using Trianum P.
- Evaluation of Enzicur fungicide in control of powdery mildew disease of strawberry.
- Determination of interaction between root lesion nematodes and root and stem rot fungi on wheat.

Selected publications

Journals papers:

Mahdavi, M., Razavi, M., zamanizadeh, H. R. and Rezaee, S. 2021. Determination of resistance of wheat genotypes to the root rot caused by *Bipolaris sorokiniana* and

its interaction with *Fusarium culmorum* and *F. pseudograminearum* in greenhouse. 89 (2):

Mahdavi, M., Razavi, M., zamanizadeh, H. R. and Rezaee, S. 2020. Determination of resistance in different wheat genotypes to the crown and root rots caused by *Fusarium culmorum* and *F. pseudograminearum.* Entomology and Phytopathology. 87 (2): 265-279.

M. Razavi, M., Safaei, D. and **Mahdavi, M**. 2017. Reaction of wheat cultivars and advanced lines to *Fusarium culmorum* and *F. pseudograminearum* under field and greenhouse conditions. Entomology and Phytopathology. 85 (1): 31-44.

Nazerian, E, Modares Najaf Abadi, S. S. and **Mahdavi, M**. 2013. Fusarium yellows diseas of gladiola. Plant Pathology Science, 2 (2): 18-29.

Sharifi, K. and **Mahdavi, M**. 2010. First report of strawberry crown and root rot caused by *Macrophomina phaseolina* in Iran. Iranian Journal of Plant Pathology, 47.

Mahdavi, M., Razavi, M., Sharifi, K. and Zare, R. 2009.Investigation on genetics diversity of *Fusarium oxysporum* causing potato Fusarium wilt by pathogenicity testes and RAPD markers. Iranian Journal of Plant Pathology, 45: 9-25.

Sharifi, K., Javadi-Estahbanati, A.R. and **Mahdavi, M.** 2008. A new *Pestalotiopsis* species for the mycoflora of Iran. Rostaniha, 9: 118-119.

Conference papers:

M. Karimi Jashni, **M. Mahdavi** and M. Razavi .2019. Study on the virulence variability of *Puccinia graminis* f. sp. *tritici* the causal agent of wheat stem rust in Iran. The 1st Iranian Plant Pathology Congress.

Mahdavi, M., Razavi, M., and Safaee, D. 2018. Evaluation of reaction of commercial cultivars and advanced lines of wheat to crown rot disease caused by *Fusarium pseudograminearum* in green house conditions. Proceeding of the 23th Iranian Plant Protection Congress.

Razavi, M., **Mahdavi, M**., and Safaee, D. 2018. Evaluation of 58 commercial cultivars of wheat for resistance to crown rot disease caused by *Fusarium culmorum* in green house conditions. Proceeding of the 23th Iranian Plant Protection Congress.

Sharifi, K. and **Mahdavi, M**. 2014. The best period and temperature for the healing of potato tubers for prevention of dry rot disease in storage condition.

Mahdavi, M., Safaee, D., Razavi, M., Mirak, T.N., and Nicol, J. 2012. Testing some wheat cultivars and lines for resistance to crown and root rot caused by *Fusarium pseudograminearum* in field conditions in Iran. Proceeding of the First International Crown Rot Workshop for Wheat Improvement .Narrabri, New South Wales, Australia.

Safaee, D., Razavi, M., **Mahdavi, M.**, Younesi, H., and Nicol. J. 2012. The current situation of crown and foot rot diseases of wheat in Iran, what has been done and what should be done. Proceeding of the First International Crown Rot Workshop for Wheat Improvement .Narrabri, New South Wales, Australia.

Mahdavi, M., Razavi, M., and Safaee, D. 2012. Evaluation of 70 cultivars and advanced lines of wheat for resistance to crown rot disease caused by *Fusarium pseudograminearum* in green house conditions. Proceeding of the 20th Iranian Plant Protection Congress.

Razavi, M., **Mahdavi, M**., and Safaee, D. 2012. Evaluation of 70 cultivars and advanced lines of wheat for resistance to crown rot disease caused by *Fusarium culmorum* in green house conditions. Proceeding of the 20th Iranian Plant Protection Congress.

Behdad, B., Razavi, M., zamanizadeh, H., and **Mahdavi, M**. 2011. Investigation on genetic diversity of *Fusarium culmorum* and *Fusarium pseudograminearum* causing wheat crown rot disease by rep-PCR marker. The 2nd national biology congress of researchers.

Mahdavi, M., Razavi, M., Sharifi, K. and Zare, R. 2010. Investigation on genetic diversity of *Fusarium oxysporum* causing potato Fusarium wilt by RAPD and rep-PCR markers. Proceeding of the 19th Iranian Plant Protection Congress.

Mahdavi Amiri,M., Sharifi, K., Razavi, M. And Zare, R. 2010. Investigation on pathogenicity differences of *Fusarium oxysporum* causing potato Fusarium wilt. Proceeding of the 19th Iranian Plant Protection Congress.

Sharifi, K. and **Mahdavi, M**. 2010. First report of strawberry crown and root rot caused by *Macrophomina phaseolina* in Iran. Proceeding of the 19th Iranian Plant Protection Congress.

Sharifi, K. and **Mahdavi, M**. 2008. Investigation of the role of seed tubers contamination to quantity of Black scurf, in severity and incidence of potato Rhizoctonia stem canker. Proceeding of the 18th Iranian Plant Protection Congress.