



University of Birjand
Faculty of Agriculture
Department of plant Protection
Curriculum vitae (cv)



1- Personal Information:

- First name : Mehdi
- Last name: Jahani
- Associate professor of plant pathology
- Nationality: Iranian
- Marital status: Married with two daughters
- Postal address for correspondence:
• Department of plant Protection, Faculty of Agriculture, University of Birjand, Birjand, Iran.
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2- Educational Background :

- Bachelor of Science (B.Sc)
- Field Crop Sciences
- In Dec.1985
- Ferdowsi University of Mashhad, Iran
- Master of Science (M.Sc)
- Plant Pathology
- In Jul.1993
- Shiraz University, Iran
- Doctor of Philosophy (Ph.D)
- Plant Pathology
- In Feb. 2006
- Division of Plant Pathology
- Indian Agricultural Research Institute
- New Delhi, India

3- Thesis andDissertation:

- Differential response of wild types of *Pyricularia oryzae* cav. & their monoconidial derivatives to a given concentration of benomyl variation among the first generation monoconidial isolates in this respect & stability of this trait in the next generation (M.Sc thesis).
- Characterization of toxin from *Bipolaris sorokiniana* and development of molecular marker for identification of the pathogen (Ph.D dissertation).

4- Area of specialization:

- Fungal pathology
- Mycotoxins

5- Specific Scientific interests:

- Mycology
- field crop diseases
- Plant disease management

6- Executive Responsibilities:

- Head of research affairs in Agriculture Faculty , 1993-2001.
- Head of Agronomy Department ,1994-1996.
- Director of research affairs in University of Birjand, 2007-2011.
- Head of entrepreneurship and collaboration with industry, 2010-2011.
- Dean of Agriculture Faculty at the University of Birjand, 2011-2014.

7- Membership:

- Formerly member of American Phytopathological Society (APS).
- Formerly member of Indian Phytopathological Society.
- Member of Iranian Phytopathological Society.

8- Workshop:

- Workshop on disease forecasting and management Indian Phytopathological Society, Feb ,2004, New Delhi .
- Workshop on Molecular Diagnostics for the Management of Viral Diseases, Indian Virological Society, Oct, 2004, New Delhi.
- Interactive Workshop on Biofertilizers, Indian Agricultural Research Institute, November , 2004, New Delhi.

9- Honors and Awards:

- Second Prize for the characterization of toxin from *Bipolaris sorokiniana* infecting wheat, National Symposium on Biology in the service of Mankind in Post Genomic ERA, Department of Botany Raghunath Girls (P.G.). College, Meerut, November 2005.
- Elected researcher of Birjand University, 2008.
- Top rank researcher for the characterization of a novel toxin from *Bipolaris sorokiniana*, at the 7th Scientific Festival of Ferdowsi, Ferdowsi University of Mashhad, 2009, Mashhad.
- Elected assistant Professor of Agriculture Faculty at the University of Birjand, 2010.
- Elected research Director at the 11th Festival of Prominent researchers and technologists, 2010, Tehran.

Publications:

A- Research Articles:

1- Razavi, S.I., **Jahani, M.**, Sanei, S.J and Gganbarnia, K. 2000. Relationship between illuminance and resistance of rice plant to Brown Spot (*Bipolaris spicifera*). J. Agric. Sci. Natur. Resour, Vol 7(1):3-10.

2- **Jahani, M.**, Razavi, S.I and Yazdani, I. 2002. Study of distribution and characteristics of mistletoe in south of Khorasan province. Agric. Sci. Natur. Resour. 8(4):171-179.

3- **Jahani, M.**, Aggarwal, R., Dureja, P and Srivastava, K.D. 2006.

Toxin production by *Bipolaris sorokiniana* and its role in determining resistance in wheat genotypes, Indian phytopathology. 59(3): 340-344.

4- Aggarwal, R., Das, S., **Jahani, M** and Singh, D.V. 2008. Histopathology of spot blotch disease of wheat caused by *Bipolaris sorokiniana*. (Teleomorph: *Cochliobolus sativus*), Acta phytopathologica et Entomologica Hungarica. 43 (1): 23-30.

5- **Jahani, M.**, Aggarwal, R., Srivastava, K.D. and Renu. 2008. Genetic differentiation of *Bipolaris* spp. Based on RAPD Markers, Indian Phytopathology. 61(4): 449-455.

6- **Jahani, M.**, Daghighi, S., Daghighi, M and Nakhaie, A. 2009. Identification of mycorrhiza in Jujube tree (*Ziziphus jujuba mill*) and the effect of the age of the tree on the quantity of mycorrhiza, J. of Plant Production. 16(1): 75 -86.

7- Mirzaee, M.R., **Jahani, M.**, Mohmoudi, H and Ghos, K., 2011. First report of jujube dieback caused by *Fusarium solani*, journal of plant pathology.

- 8- Khodadadi, M., MotamedRezaei, O; **Jahani, M** and Dorri, H. 2012. The survey on Bacterial and fungi contamination of herbaceous distillates that distributed in Birjand city. *Journal of Birjand University of Medical Sciences*. 19(1):51-58.
- 9- Zangoie, M., Parsa, S., **Jahani, M** and Mamoodi, S. 2013. Antifungal effects of assafoetida seed essential oil on in vitro growth of five species of plant pathogenic fungi, *International Research Journal of Applied and Basic Sciences*. 4(5): 1159-1162.
- 10- **Jahani, M.**, MotamedRezaei, O; Khodadia, M and Alemzadeh, E. 2013. A survey of fungal contamination associated with Barberry (*Berberis* spp.) in Iran, *American Journal of Plant Sciences*. 4:1594-1596.
- 11- **Jahani, M.**, Alemzadeh, E., MotamedRezaei, O and Alemzadeh, E. 2013. First report of *Alternaria* necrosis of *Berberis vulgaris* in Iran, *International Journal of Agriscience*. 3(10):743-745.
- 12- **Jahani, M.**, MotamedRezaei, O., zarban, A., Khodadadi, M and Sharifzadeh, Gh. 2013. Studying the relationship between organophosphorus pesticides and cholinesterase enzyme level in pesticide sprayers in Birjand city, *International Research Journal of Applied and Basic Sciences*. 7(4):196-200.
- 13- HashemianKalati, T., **Jahani, M.**, Zare, Rand Mirzaee, M.R. 2014. First report of *Nigrospora* leaf spot on *Pennisetum Americanum* in Iran, *Journal of plant pathology*.
- 14- Daghighi, S., Tehranifar, A., Davarinejad, Gh., Nakhaei, A., **Jahani, M** and Malekzadeshafaroudi, S. 2014. Investigation the effect of irrigation period on the quantity of Jujube (*Ziziphus Jujuba* Milt.) tree mycorrhization. *J. Plant Prod. Res.* 21(3): 191-202.
- 15- **Jahani, M.**, Aggarwal, R., Gupta, S., Sharma, S and Dureja, P. 2014. purification and characterization of a novel toxin from *Bipolaris sorokiniana* causing spot blotch of wheat and analysis of variability in the pathogen, *Cereal Research Communications*. 42(2): 252-261.
- 16- Aggarwal, R., Sharma, S., Gupta, S., **Jahani, M.**, Bqnerjee, S., Singh, V.B., BashyalBishnu, M and Srinivas, P. 2014. phylogenetic relationship among *Bipolaris* species based on morphological and molecular variability in internal transcribed spacer region of the nuclear ribosomal DNA, *Research Journal of Biotechnology*. pp:1-8.
- 17- Sepasi, N., **Jahani, M.**, Mirzaee, M.R and Mohammadpour, K. 2015. First record of *Cunninghamella echinulata* var. *Nodosa* as a new entomopathogenic fungus infecting melon weevil (*Acytoperus curvirostris persicus*, Curculionidae), *International Journal of Jgiculture and Biosciences*, 4(1): 27-29.

18- Sepasi,N., **Jahani, M.**, Mirzaee, M.R and Mohmmadpour, K.2015.Fusarium cfnygamai as a new entomopathogenic fungus infecting melon weevil(Acytopeuscurvirostrispersicus), BuletinTeknoTanamana, Bil.12 Tambaban.1: 110-113.

19- Moradinezhad,F and **Jahani, M.** 2016.Quality improvement and shelf life extension of fresh apricot fruit (prunusarmeniaca cv.Shahroudi) using potharvest chemical treatments and packaging during cold storage, International Journal of Horticultural Science and Technology.Accepted,Iran.

20- Aboutorabian, M., **Jahani, M.**, Moradzadeh-Eskandari,M and Afzali, H.2016.

Investigation on some plant compounds efficacy against Early Blight of potato, Agricultural Communications.Accepted, UK.

21- Fouladvand, S., Mohammadi, A., Moodi, S and **Jahani,M.** 2016. Isolation and Identification of Fungal Species from Pine Trees in the East of Iran. International Journal of Agriculture and Biosciences. 5(3):105-108.

B:Conference Papers:

1- **Jahani, M** and Fatemi, J. 1993. Differential response of heterokaryons of *Pyriculariaoryzae* Cav. and their monoconidial derivatives at a given concentration of benomyl, 11th Iranian Plant Protection Congress, Rasht, Iran.

2- **Jahani, M** and Fatemi, J. 1993. Differential response of monoconidialhomokaryons derived from a heterokaryon to benomyl and stability of this trait in the next conidial generation of *Pyriculariaoryzae* Cav., 11th Iranian Plant Protection Congress, Rasht, Iran.

3- **Jahani M** and Yazdani, E.2000. Study of distributionof mistletoe species and these on host Plant in southern Khorasan province, 14th Iranian Plant Protection Congress. 2000. Esfahan University of technology, Iran.

4- **Jahani M.**, Aggarwal, R., Srivastava, K.D. 2008.Study of genetic diversity of *Bipolaris* species using RAPD markers, International Durum wheat Symposium, Bologna, Italy.

5- **Jahani M.**, Aggarwal, R., Dureja, P and Srivastva, K.D.2008. Extraction of toxin from *Bipolarissorokiniana* and its role in determining resistance in wheat genotypes. International Durum wheat Symposium, Bologna, Italy.

6-**Jahani, M.**, Aggarwal, R., Dureja, P and Srivastva, K.D.2010. Characterization of toxin from *Bipolarissorokiniana*, IMC9 the biology of Fungi, Edinburgh, UK.

- 7- Saeedi, M., Eslami, S.V and **Jahani, M.** 2010. Evaluation of *Alternaria alternata* for Biological Control of *Amaranthus Retroflexus*, 19th Iranian Plant Protection Congress, Tehran, Iran.
- 8- Ardalan, F., **Jahani M.**, Yasi, F and Motamed Rezaie, O. 2010. Effect of essential oil from some medicinal plants on preventing growth of *Aspergillus* 19th Iranian Plant Protection Congress, Tehran, Iran.
- 9- Yasi, F., **Jahani, M.**, Ardalan, F and Motamed Rezaie, O. 2010. Antifungal activity of several medicinal plants essential oil against *Fusarium graminearum*, 19th Iranian Plant Protection Congress, Tehran, Iran.
- 10- Aggarwal, R., Gupta, S., **Jahani M.**, Sharma, S and Banerjee, S. 2010. characterization of a novel toxin from *Bipolaris sorokiniana* and developing PCR based diagnostics for detecting *Bipolaris sorokiniana* infection in wheat leaves, International Mycotoxin Conference, Malaysia.
- 11- Cheraghi, F., **Jahani, M.**, Sadat ghiasi, A and Shafe, M. 2011. Identification of seed borne fungi of wheat and study of the effect of fungicides on germination indexes. The first National Congress of Achieving Stable Agriculture, Ahvaz, Iran.
- 12- Shakeri, M., **Jahani, M** and Vazifashenas, M. 2011. The comparison some of commercial pomegranate cultivars base on amount of susceptibility to the Carob moth, cracking and sunburn fruit. National Pomegranate Symposium, Ferdows, Iran.
- 13- Khodadadi, M., Motamed Rezaei, O; **Jahani, M** and Dorri, H. 2011. The survey on coliform and fungi pollution of traditional and industrial herbaceous distillates that distributed in Birjand city, first international and 12th Iranian Congress of Microbiology, Kermanshah, Iran.
- 14- Moradinezhad, F., Ataii, D., Khayyat, M and **Jahani, M.** 2012. combination effect of hot water, salicylic acid and vacuum packaging on shelf life and control of postharvest diseases of fresh seedless barberry, 7th, international postharvest symposium, Malaysia.
- 15- Moradinezhad, F., Khayyat, M., Saeb, H., Mohammadrezai, M and **Jahani, M.** 2012. shelf life extension and quality improvement of pomegranate fruits using combination of chemicals, hot water and packaging, 7th international postharvest symposium, Malaysia.
- 16- Moradinezhad, F., Ataii, D., Khayyat, M and **Jahani, M.** 2012. effect of blanching, 1-MCP and controlled atmosphere storage on quality and postharvest life of fresh seedless barberry, 7th International postharvest symposium, Malaysia. Congress, Urmia, Iran.

17- Sepasi,N., Mirzaee, M.R., **Jahani, M** and Zare,R. 2013. First report of a new fusarium species on melon weevil from Iran, 1th Iranian Mycological Congress, Rasht, Iran.

18-HashemianKalati, T., **Jahani, M** and Mirzaee, M.R. 2013.First report of powdery mildew on garlic caused by *Leveillulataurica* in Iran 1th Iranian Mycological Congress, University of Guilan, Rasht, Iran.

19- HashemianKalati, T., **Jahani, M.**, Mirzaee, M.R and zare, R. 2014. Leaf spot disease of foxtail millet caused by *Nigrosporaoryzae* in Iran. 21th Iranian Plant Protection Congress, Urmia, Iran.

20-Sepasi,N., **Jahani, M** and Mirzaee, M.R. 2014. First report of *Geotrichumcandidum* as new Entomopathogen on melon weevil from Iran, 21th Iranian Plant Protection

21- Aboutorabian, M., Moradzadeh-Eskandari,M., **Jahani, M** and Afzali, H.2015.

Investigation of efficacy of some mineral salts on two important agents of Potato Early Blight. The First National Conference on Agriculture Environment and Food Security, Jiroft, Iran.

22-Sepasi,N., **Jahani, M.**, Mirzaee, M.R. 2015. First report of *Aspergillus flavus* Link as Entomopathogen of *Acytopeuscurvirosteris*.The second national conference of Engineering and Agriculture Management, Environment and Stable Natural Resources, Tehran, Iran.

23- Nosrati, T and **Jahani, M.** 2015.Identification of postharvest pomegranate fungi in southern Khorasan province. 2nd National Conference on Applied Researches in Agriculture Sciences, Tehran, Iran.

24- Nosrati, T., **Jahani, M** and Mirzaee, M.R. 2014. report of leaf spot disease of sorghum caused by *Nigrosporaoryzae* in southern Khorasan province.2th Conference on new findings in Environment and Agricultural Ecosystems, Tehran, Iran.

25- Seadatimoghadam,R., Khayyat, M., **Jahani, M.**, Parsa, S and Moradinezhad,F. 2015. Effect of potassium nitrate on seed germination of medicinal plant (*TeucriumPolium*). The Third National Conference of IRAN_s Environmental and Agricultural Research, Hamedan, Iran.

26- Mehregan, M., Moradinezhad,F and **Jahani, M.** 2015. Effect of Low rate dehydration after postharvest treatments on chemical properties and quality of barberry fruit. 23thNational Food Science and Technology Congress, Ghuchan, Iran.

- 27- Mehragan, M., Moradinezhad, F and **Jahani, M.** 2015. Effect of hot water and calcium chloride treatments on physico chemical properties and shelf life of the fresh seed less barberry fruit (*Berberis vulgaris*). 23th National Food Science and Technology Congress, Ghuchan, Iran.
- 28- Sepasi, N and **Jahani, M.** 2015. First report of *Actinomyces* link as Entomopathogen of *Acytopseus curvirosteris*. The first international and the fourth national conference of Medical Herbs and Stable Agriculture, Hamedan, Iran.
- 29- Sepasi, N and **Jahani, M.** 2015. First report of Isolation of *Fusarium* species from *Phoenix dactylifera*, The first international and the fourth national conference of Medical Herbs and Stable Agriculture, Hamedan, Iran.
- 30- Attar, H., **Jahani, M.** and Mirzaee, M.R. 2015. Investigation of saffron corm rot pathogenic fungal associate with *Rhizoglyphus*. The First international and the fourth national conference of Medical Herbs and Stable Agriculture. Hamedan, Iran.
- 31- Khosravi, H., **Jahani, M.**, Azad Disfani, F and Mohammadi, A. 2015. Isolation and taxonomic study of *Alternaria alternata* agent of cotton seedling leaf spot in Golestan province. The First international and the fourth national conference of Medical Herbs and Stable Agriculture. Hamedan, Iran.
- 32- Fouladvand, S., Mohammadi, A., Moodi, S and **Jahani, M.** 2015. Isolation and Identification *Ulocladium* Spp from pine trees in the Birjand City. The 4th National Conference on organic and Conventional Agriculture. Ardabil, Iran.
- 33- Fouladvand, S., Mohammadi, A., Moodi, S and **Jahani, M.** 2015. Isolation and Identification mycoflora pine trees in the Birjand City. The 4th National Conference on organic and Conventional Agriculture. Ardabil, Iran.