

Adel Pordel, PhD., M.Sc.

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Plant Protection Research Department, Baluchestan Agricultural and Natural Resources Research and Education Center, Iranshahr, Iran

PERSONAL INFORMATION

Born on	1988/01/11
Postal code	31587-77871
Tel	05156223447
Cell Phone	+98 915 419 4513
Nationality	Iranian

EDUCATION

2014-2018	Doctor of Philosophy (Ph.D.) , Plant Pathology, University of Tehran, Tehran, Iran. (GPA: 17.92/20)
2012- 2014	Master of Science (MSc) , Agricultural engineering- Plant Pathology, University of Tehran, Tehran, Iran. (GPA: 18.26/20)
2017-2018	Guest researcher -Centre de coopération internationale en recherche (CIRAD), Biologie et Génétique des Interactions Plante-Parasite (BGPI)

M.Sc. Thesis:	Systematic Study on Magnaporthe Krause and Webster species in the southern Caspian Sea (Passed with Excellent Grade)
Supervisory Committee	Supervisor: Prof. Mohammad Javan-Nikkhah (Professor in Mycology and Fungal Plant Pathology, University of Tehran, Karaj,Iran) Advisor: Dr. Seyed Akbar Khodaparast (Associate Professor in Mycology and Plant Pathology, University of Guilan, Rasht, Iran)
PhD. Thesis:	Study on the pathogenicity, mating type and evolutionary genomics of <i>Pyricularia oryzae</i> isolated from different hosts, with a focus on the origin of maize blast in Iran. (Passed with Excellent Grade)
Supervisory Committee	Supervisors: 1-Prof. Mohammad Javan-Nikkhah (Professor in Mycology and Fungal Plant Pathology, University of Tehran, Karaj,Iran) 2-Dr. Didier Tharreau

Senior Scientist in Plant Pathology, CIRAD, Montpellier, France.

Advisors:

1-Dr. Amir Mirzadi-Gohari

Assistant Professor in Mycology and Fungal Plant Pathology, University of Tehran, Karaj, Iran

2-Dr. Ali Moumeni

Associate Professor, Plant Molecular Breeder, Rice Research Institute of Iran, Mazandaran Branch, Agricultural Research, Education and Extension Organization, Postal-Code 46191-91951, Km8 Babol Rd., Amol, Mazandaran, Iran

SKILLS

Laboratory	Genomics: expert to molecular genetics techniques for instance: DNA extraction, DNA gel extraction, Agarose gel electrophoresis, PCR.
IT	Bioinformatics software like chromas, Blast P, and N program, ClustalW2, Clustal X 2.1. MEGA4,5,6,7, Paup and databases like the National Center for Biotechnology Information (NCBI), Structure, Structure Harvester, Gene Alex, PopGene and Multilocus Photoshop Working with Microsoft Office programs like Word, PowerPoint, and Excel Linux base software including Cutadapt, Augustus, ProteinOrtho, MACSE, RAXML, PHyML, DAPC, SplitsTree, Signal P, Structure, and Gene plot.

RESEARCH PROJECTS

2024	Research Project Leader: The role of plant pathogens in the incidence of dieback of some tropical fruit trees in Sistan and Baluchestan and Kerman provinces. Iranian Research Institute of Plant Protection.
2024	Research Project Leader: Identification of postharvest agents of date fruit in cold storages of Saravan City. Iranian Research Institute of Plant Protection.
2023	Research Project Leader: Investigation on the role of fungal agent causing date palm sudden decline in southeastern Iran. Iranian Research Institute of Plant Protection.
2023	Research Project Leader: Study on shade effect on occurrence of some Banana and Papaya trees disease in Baluchestan. Iranian Research Institute of Plant Protection.
2023	Research Project Assistant: Monitoring and Scouting of the forest and rangelands Pests and diseases Saharo- Sindian Region (Persian Gulf & Oman) in Sistan o Baluchestan Province. Research Institute of Forests and Rangelands
2023	Research Project Assistant: Study of shade effect in decreasing of damage to environmental stresses on banana compared to open fields. Horticulture science research Institute.

- 2023** **Research Project Assistant:** Research Institute of Forests and Rangelands.
- 2014** **Research project Assistant:** The Integrated Pest Management (IPM) of Wheat and Barley farms, Plant Protection Clinic, College of Agriculture and Natural Resources, University of Tehran Karaj, Iran.
- 2013** **Research project Assistant:** Verification of Mycology in Iran, Scientific Assembly of Science development, Iranian Society of Mycology, Tehran, Iran.
- 2011-2015** **Research project Assistant:** Plant Pathogens investigation. Plant Protection Clinic, College of Agriculture and Natural Resources, University of Tehran Karaj, Iran.
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WORKSHOPS

- August 2013** Phylogenetic Analysis in Mycology. University of Guilan, Rasht, Iran.
- August 2015** Population Genetics of Fungi. University College of Agriculture and Natural Resources, University of Tehran Karaj, Iran.
- October 2020** Tissue culture training, Agriculture Biotechnology Research Institute of Iran (ABRII)
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CONFERENCES

- 2025 Rigi, Kh. Miri, Kh. **Pordel, A.** Influence of mulch in soil moisture, plant growth, soil compaction and erosion: a review. First congress of Jazmourian; challenges and Opportunity, 26 February, Kerman, Iran
- 2023 **Pordel, A.** Miri, Kh. Kikavousi, K. Identifying of blight disease on leaf and boll of cotton in some cotton fields of Sistan and Baluchestan province. Third international conference on Cotton science, Industry and Commerce. 23-24 December, Gorgan, Iran.
- 2023 Miri, Kh. **Pordel, A.** Kikavousi, K. Investigation of cotton varieties qualitative and quantitative trait in Sistan and Baluchestan provinces. Third international conference on Cotton science, Industry and Commerce. 23-24 December, Gorgan, Iran.
- 2023 Gharahi, Sh. **Pordel, A.** Amirmijani, A. Najafinia, M. Javan-Nikkhah. *Fusarium* sensu lato species isolated from palm trees having sudden decline symptoms in southeast of Iran. August 2023, Tabriz, Iran.
- 2023 Gharahi, Sh. **Pordel, A.** Amirmijani, A. Najafinia, M. Javan-Nikkhah. Fungal species associated with palm trees having decline symptoms in southeast of Iran.
- 2023 Abdinejad, E. Alizadeh, A. Pordel, A. Shirzad, A. The first report of the genera Chaetomella and Diploceras in Iran. August 2023, Tabriz, Iran.
- 2022 **Pordel, A.** Amirmijani, A.R. Miri, Kh. Whole genome analysis of fungal plant pathogens to find pathogenicity genes. 1st international and 10th national Iranian

- conferences on Bioinformatics, 22-24 Februry, University of Tehran, Kish International Compus.
- 2022 Karimi, B. Amirmijani, A.R. Seyedi, N. Najafi Nia, M. **Pordel, A.** Phylogenetic analysis of some isolates of *Fusarium* spp. 1st international and 10th national Iranian conferences on Bioinformatics, 22-24 Februry, University of Tehran, Kish International Compus.
- 2021 **Pordel, A.** Amirmijani, A. Darroudi, H. The importance of studying the whole genome in the biology of plant pathogenic fungi and its outline. 1st National Conference on the Application of Biosystems and Bioinformatics in Life Sciences. University of Jiroft, Jiroft, Iran.
- 2021 Seyedi, N. Amirmijani, A. **Pordel, A.** The importance of DNA barcoding in identifying plant pathogenic fungi and survey valuable barcoding genes. 1st National Conference on the Application of Biosystems and Bioinformatics in Life Sciences. University of Jiroft, Jiroft, Iran.
- 2019 **Pordel, A.** Javan-Nikkhah, M. Tharreau, D. Mirzadi Gohari, A. Moumeni, A. Evolutionary genomics of *Pyricularia oryzae* via population genomics and comparative genomics approach. 4th Iranian Mycological Congress. Sari Agricultural Sciences and Natural Resources University, Iran.
- 2018 Maud Thierry, M. **Pordel, A.** Cros-Arteil, S. Milazzo, J. Ravel, S. Kroj, T. Morel, JB. Fournier, E. Gladieux, P. Loos, R. Tharreau, D. Emergence of wheat blast in India and Bangladesh: an increasing risk for Europe?. The impact of global change on the emergence of plant diseases and pests in Europe. European Food safety and authority. International conference. 23 and 24 April, Paris, France.
- 2016 Alidadi, A., **Pordel, A.**, Javan-Nikkhah, M. Determination of mating type idiomorphs and sexual compatibility of *Pyricularia oryzae* isolates in Iran. 22nd Iranian Plant Protection Congress. University of Tehran, Karaj, Iran.
- 2016 Ahmadpour, A., Heidarian, Z., **Pordel, A.**, Javan-Nikkhah, M. New hosts for *Bipolaris oryzae* the causal agent of rice brown spot disease in Iran. 22nd Iranian Plant Protection Congress. University of Tehran, Karaj, Iran.
- 2015 Alizadeh, A.R., Javan-Nikkhah, M., Zare, R., Fotouhifar, Kh. B., **Pordel, A.**, Atghia, O. Additions to the knowledge of *Colletotrichum* species belong to the *Graminicola* complex in Iran. 2nd Iranian Mycological Congress. University of Tehran, Karaj, Iran.
- 2015 **Pordel, A.**, Fotouhifar, Kh. B., Alidadi, A. Identification of fungi associated with oat seed in Iran. 2nd Iranian Mycological Congress. University of Tehran, Karaj, Iran.
- 2015 **Pordel, A.**, Javan-Nikkhah, M., Khodaparast, S.A. Systematic study on *Magnaporthe sensu lato* in Iran, 2nd Iranian Mycological Congress. University of Tehran, Karaj, Iran. Oral presentation.
- 2014 **Pordel, A.**, Javan-Nikkhah, M., Ahmadpour, A. New records of fungal species for Iran's mycobiota. 21th Iranian Plant Protection Congress. Urmia university.
- 2014 **Pordel, A.**, Javan-Nikkhah, M., Khodaparast, S.A. New hosts for *Magnaporthe oryzae* in Iran. 21th Iranian Plant Protection Congress. Urmia University.

- 2013 Alizadeh, A.R., Javan-Nikkhah, M., **Pordel, A.** The first report on *Colletotricum caudatum*. The 1st Iranian Mycological Congress. Gilan University.
- 2013 **Pordel, A.**, Javan-Nikkhah, M., Khodaparast, S.A. New hosts for *Magnaporthe oryzae* in Iran. The 1st Iranian Mycological Congress. Gilan University.
- 2013 Javan-Nikkhah, M., **Pordel, A.**, Nozari, I. First report of *Botrytis cinerea* on Pistachio in Iran. 1st Kerman's Pistachio Conference. Kerman, Iran.

PUBLICATIONS

- 2025 **Pordel, A.** Amirmijani, A-R. Azadvar, M. Najafiniya, M. Identification of fungal species associated with dieback of tropical fruit trees in Sistan and Baluchestan and Kerman provinces. Iranian journal of plant protection science 55: ????.
- 2024 Amirmijani, AR, **Pordel, A.** Dehghani, K. Pourmoghdam, J. Masigol, H, Grossart, H-P. Two new pestalotioid fungi from tropical fruits in Iran. Mycokeys. Accepted.
- 2024 Dehghani, K. Amirmijani, A. **Pordel, A.** Identification and pathogenicity of fungal species associated with leaf spot of mango trees in the south of Iran. Journal of Advance in Plant Protection 1: 1-8.
- 2023 Farashiani, M. E. Ghanaie, S. Kazerani, F. Naji, H. R. Askari, H. Yarmand, H. Farrar, N. Rajabi Mazhar, A. R. Hamzehzarghani, H. Shafaii, F. Zarghani, E. Tavakoli, M. Golestaneh, S. R. Farahani, S. Koohjani Gorgi, M. Sadeghi, S. M. Alavi, J. **Pordel, A.** Achak, Y. Hashemi Khabir, Z. Hanifeh, S. Baradaran, G. R. Sarani, M. Dezyanian, A. Zarnegar, A. Niknam, M. Mohammadpour, P. Taghizadeh, M. Yahoeiyan, S. H. Alinezhad, M. and Motamedi, J. An Introduction to the Sustainable Protection of Iran's Natural Environments: Challenges and Strategies. Strategic Research Journal of Agricultural Sciences and Natural Resources 8(1):85-102.
- 2023 **Pordel, A.** Dehghani, K. Amirmijani, A. Miri, Kh. Identification and pathogenicity of *Fusarium sensu lato* species causing wilting and leaf spot of Banana in South of Iran. Iraninan Journal of plant pathology. 58:96-108.
- 2023 Gharahi, Sh. **Pordel, A.** Amirmijani, A. Darrudi, H. Farashiani, M-E. Identification and pathogenicity of *Alternaria infectoria* isolated from Jand trees (*Prosopis cineraria*) having canker symptoms in Iran. Iranian Journal of Plant Pathology, 58:134-139.
- 2023 Dehghani, K. Amirmijani, A.R. **Pordel, A.** *Beltrania rhombica* causing leaf spot on mango trees in Iran. New disease report. DOI: [10.1002/ndr2.12155](https://doi.org/10.1002/ndr2.12155)
- 2022 Dehghani, K. Amirmijani, A.R. **Pordel, A.** Fungal species associated with leaf spot on mango trees in Iran. Mycologia Iranica. 9(1): ??- DOI: [10.22043/MI.2023.360736.1241](https://doi.org/10.22043/MI.2023.360736.1241)
- 2022 Achak, M.Y. **Pordel, A.** Darroudi, H. Farrar, N. Important and dominant pests of the Sahara-Sandy region of Sistan and Baluchestan provinces. Iran Nature. 7(3): 71-77. DOI: [10.22092/irn.2022.358035.1453](https://doi.org/10.22092/irn.2022.358035.1453).
- 2021 Yousefi Nayi, J. **Pordel, A.** Derakhshan, A. Nazvar, A. Identification and pathogenicity of two *Fusarium* species involved in cumin wilting in razavi Khorasan province. Plant Pathology Science. 10(2): 30–39. Doi: [10.2982/PPS.10.2](https://doi.org/10.2982/PPS.10.2).
- 2021

- 2021 Boonmee, S. et al. Fungal diversity notes 1387–1511: taxonomic and phylogenetic contributions on genera and species of fungal taxa. *Fungal Diversity Note*. 111, 1–335. <https://doi.org/10.1007/s13225-021-00489-3>.
- 2021 Shams, E. Ramezani, J. Alidadi, A. Javan-Nikkhah, M. **Pordel, A.** *Stagonosporopsis citrulli* causing gummy stem blight on cucumber in Iran. *Journal of Plant Pathology*. <https://doi.org/10.1007/s42161-021-00904-3>.
- 2021 Ghorbani, G. **Pordel, A.** Saremi, H. Javan-Nikkhah, M. Analysis of *Pyricularia oryzae* isolates from rice and weeds with rep-PCR marker, and pathogenicity. *Journal of Plant Pathology*. 57(1): 11-25. http://www.ijpp.ir/article_246619.html
- 2021 Ghorbani, G. **Pordel, A.** Javan-Nikkhah, M. *Pseudopyricularia hedjaroudii* sp. nov. (Pyriculariaceae, Magnaporthales): a novel species from Iran. *Phytotaxa*. 479:094-105. <https://doi.org/10.11646/phytotaxa.479.1.7>
- 2020 **Pordel, A.** Ravel, S. Charriat, F. Gladieux, P. Cros-Arteil, S. Milazzo, J. Adreit, H. Javan-Nikkhah, M. Mirzadi-Gohari, A. Moumeni, A. Tharreau, D. Tracing the origin and evolutionary history of *Pyricularia oryzae* infecting maize and barnyard grass. *Phytopathology*. <https://doi.org/10.1094/PHYTO-09-20-0423-R>
- 2020 Crous, P.W. et al. Fungal Planet description sheets:1112-1181. *Persoonia*. 45: 251–409. <https://doi.org/10.3767/persoonia.2020.45.10>
- 2019 **Pordel, A.** Tharreau, D. Ghorbani, G. Javan-Nikkhah, M. First report of *Pyricularia oryzae* causing blast on *Sorghum halepense* (Johnson grass) in Iran. *Plant Disease*. <https://doi.org/10.1094/PDIS-04-20-0697-PDN>.
- 2018 **Pordel, A.** Amirmijani, A. Javan-Nikkhah, M. *Pseudopyricularia cyperi*, a new record for Iran. *Mycotaxon*. 134:447-455. <https://doi.org/10.5248/134.447>.
- 2018 Milazzo, J. **Pordel, A.** Ravel, S. Tharreau, A. First scientific report of *Pyricularia oryzae* causing gray leaf spot disease on perennial ryegrass (*Lolium perenne*) in France. *Plant Disease*. <https://doi.org/10.1094/PDIS-09-18-1545-PDN>.
- 2018 Crous, P.W. et al. Fungal Planet description sheets: 785 – 867. *Persoonia*. 41:238-417. <https://doi.org/10.3767/persoonia>.
- 2018 **Pordel, A.** Javan-Nikkhah, M. Tharreau, D. Mirzadi Gohari, A. Moumeni, A. Host-specificity and sexual compatibility of *Pyricularia oryzae* isolated from different hosts in Iran. *Journal of Iranian plant pathology*. 54:277-289. <https://www.sid.ir/en/journal/ViewPaper.aspx?ID=757116>
- 2018 **Pordel, A.** Tharreau, D. Cros-Arteil, S. Shams, E. Moumeni, A. Mirzadi Gohari, A. Javan-Nikkhah, M. *Pyricularia oryzae* causing blast on foxtail millet in Iran. *Plant Disease*. 102: 1853. <https://doi.org/10.1094/PDIS-01-18-0091-PDN>.
- 2017 **Pordel, A.** Javan-Nikkhah, M. Khodaparast, S.K. Two new *Pseudopyricularia* species from Iran. *Mycological progress*. 16: 729–736. <https://doi.org/10.1007/s11557-017-1307-z>.
- 2015 **Pordel, A.** Javan-Nikkhah, M. Khodaparast, S.K. A reappraisal of the *Pyriculariaceae* in Iran. *Mycologia Iranica*. 2: 109–116. <https://doi.org/10.22043/mi.2015.19969>.

- 2015 **Pordel, A.**, Javan-Nikkhah, M. Khodaparast, S.K. Revision f *Pyricularia Oryzae* And Occurrence Of New Hosts For The Pathogen In Iran. Journal of Iranian plant pathology. 52: 67–83. http://www.ijpp.ir/article_21024.html.
- 2015 **Pordel, A.**, Ahmadpour, A. and Javan-Nikkhah, M. New records of Hyphomycetes fungi in Iran. Mycologia Iranica. 2: 69–74. <https://doi.org/10.22043/mi.2015.14227>.
- 2013 Ahmadpour, A., **Pordel, A.**, M., Heidarian, Z. *Bipolaris coicis* causing adlay leaf blight in Iran. Australasian Plant Disease Notes. 8: 137–139. <https://doi.org/10.1007/s13314-013-0116-8>.
- 2013 Ahmadpour, A., Heidarian, Z., Karami, S., **Pordel, A.**, Jabbarifar, M., Tsukiboshi, T., Zhang, M. Javan-Nikkhah, M. New species of *Bipolaris* and *Curvularia* on grass species in Iran. Rostaniha 13: 69–82. <https://www.sid.ir/en/journal/ViewPaper.aspx?id=276996>.

CHAPTER IN BOOK:

- 2022 **Pordel, A.** Magnaporthales. In Color atlas of Iranian fungi. Khodaparast, S.A., Asgari, B., Bakhshi, M. (eds). Guilan university press. 104-118.

REVIEW PAPERS

- 2024 Bhunjun, C.S., **Pordel, A.** et al. What are the 100 most cited fungal genera? Studies in Mycology. 108: 1-411.
- 2022 **Pordel, A.** Amirmijani, A.R. Javan-Nikkhah, M. Identification criteria of the genus *Pseudopyricularia* on sedge plants. Mycologia Iranica. 8(2):???. DOI: [10.22043/MI.2022.359562.1226](https://doi.org/10.22043/MI.2022.359562.1226)
- 2020 **Pordel, A.**, Javan-Nikkhah, M. A review on *Pyricularia oryzae*; biological and taxonomical finding in Iran. Mycologia Iranica https://mij.areeo.ac.ir/article_124282.html.

Editorial Board

-Journal of Sustainable Agriculture and Genetic Resources

REVIEWER/SUPERVISOR

- Iranian National Science Foundation (INSF)
- Journal of Plant Pathology (JPP)
- Journal of Phytopathology
- Scientific African
- Indian Journal of Phytopathology
- Mycologia Iranica
- Rostaniha (Botanical Journal of Iran)

LANGUAGE SKILLS

Persian (Native)

English (Fluent)

HONOURS AND AWARDS

2006-2010	The first rank among B.S. Students of Plant Protection Engineering (Overall B.S. Degree score: 18.14 out of 20) at Kashmar Institute of Higher Education, Kashmar, Iran.
2012	The third rank of Master Entrance Exam.
2014	The third rank among M.S. Students of Plant Pathology (Overall M.S. Degree score: 18.26 out of 20) at University College of Agriculture and Natural Resources, University of Tehran Karaj, Iran.
2014	The second rank of PhD Entrance Exam.
2022	Elected of Iran's National Elites Foundation
2023	Elected as Pioneer researcher of Sistan and Baluchestan province
2023	Elected as Pioneer researcher of Plant Protection Research Institute

TEACHING EXPERIENCE

2012-2014	Practical of Advanced Mycology, University College of Agriculture and Natural Resources, University of Tehran Karaj, Iran.
2013-2015	Practical of Postharvest Diseases, University College of Agriculture and Natural Resources, University of Tehran Karaj, Iran.
2013-2014	Introduction to Plant Protection Clinic, University College of Agriculture and Natural Resources, University of Tehran Karaj, Iran.
2014-2015	Practical of Molecular Plant Pathology, University College of Agriculture and Natural Resources, University of Tehran Karaj, Iran.
2016-2017	Advanced Mycology, Kashmar Institute of Higher Education, Kashmar, Iran.
2016-2017	Molecular Plant Pathology, Kashmar Institute of Higher Education, Kashmar, Iran.
2018-2019	Advanced Mycology, Kashmar Institute of Higher Education, Kashmar, Iran.
2018-2019	Vegtable and oenamental plant disease, Kashmar Institute of Higher Education, Kashmar, Iran.
2019-2020	Advanced Mycology, Kashmar Institute of Higher Education, Kashmar, Iran.
2019-2020	Vegtable and oenamental plant disease, Kashmar Institute of Higher Education, Kashmar, Iran.

2020-2021 Advanced Mycology, Vegetable and oenamental plant disease, Virology, Molecular Plant Pathology, Kashmar Institute of Higher Education, Kashmar, Iran.

TRAINING STUDENTS

Lead supervisor of MSc students: 3 in Kashmar Institute of Higher Education, Kashmar, Iran.

Adviseor of Ph.D students: 2 student in University of Tehran and Zabol University.

Advisor of MSc sutdents: 1 Student in University of Tehran, 1 Students in Jiroft Universirty, 1 Student in Shahid Madani University.

REFERENCES

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| Javan-Nikkhah, Mohammad | Professor in Mycology and Fungal Plant Pathology, Department of Plant Protection, College of Agriculture and Natural Resources, University of Tehran.
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Phone: +98 26 32224022-4,
E-mail: jnikkhah@ut.ac.ir |
| Tharreau, Didier | Researcher in Plant pathology, CIRAD, UMR BGPI, TA A 54 / K, Campus International de Baillarguet, 34398 Montpellier Cedex 5, Batiment K, bureau 108.
Phone: 33 (0)4 99 62 48 39
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| McKenzie, Eric | Professor in Mycology. Landcare research, private bag 92170, Auckland, New Zealand.
Email: MckenzieE@landcareresearch.co.nz |
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