Fatemeh Khodadadi

University of California, Riverside

Department of Microbiology and Plant Pathology

900 University Avenue

Riverside, CA 92521

Email: fatemehk@ucr.edu

Phone: (951) 827-4764

Education

Ph.D., Plant Pathology. (2016) Shahid Bahonar University of Kerman. Kerman, Iran.
Dissertation: Molecular study of polyphenol oxidase in the interaction between walnut and bacterial blight disease.

M.S., Plant Pathology. (2010) University of Zabol. Zabol, Iran.
Dissertation: Identification and determination of genetic diversity of aflatoxin-producing *Aspergillus* species in pistachio nuts using RAPD markers.

B.S., Plant Protection. (2007) Shahid Bahonar University of Kerman. Kerman, Iran.

Employments

2022-Present Assistant Professor of Extension and Assistant Plant Pathologist, University of California, Riverside, CA

2021-2022 Research Associate, Virginia Tech University, School of Plant and Environmental Sciences, Alson H. Smith Jr. Agricultural Research and Extension Center

2018-2021 Postdoctoral Research Associate, Cornell University, Plant Pathology and Plant-Microbe Biology Section, Hudson Valley Research Laboratory, Highland, NY

2016-2017 Research assistant, University of Shahid Beheshti, Department of Biotechnology, Tehran, Iran

Publications

Peer-Reviewed Articles

Fatemeh Khodadadi, Giroux, E., Guillaume B. J., Jurick II, W. M., and Aćimović, S. G. Genomic resources of four *Colletotrichum* species (*C. fioriniae, C. chrysophilum, C. noveboracense* and *C. nupharicola*) threatening commercial apple production in the Eastern U.S. Molecular Plant-Microbe Interactions. First Look. (2023). https://doi.org/10.1094/MPMI-10-22-0204-Aopen_in_new

Fatemeh Khodadadi, Santander, R.D., Mchenry D., Jurick II, W. M., and Aćimović, S. G. A Bitter, Complex Problem: Causal *Colletotrichum* Species in Virginia Orchards and Apple Fruit Susceptibility. Plant Disease. (2023). First Look. 27 Apr https://doi.org/10.1094/PDIS-12-22-2947-RE

Rering, C. C., Quadrel, A., Urbaneja-Bernat, P., Beck, J. J., Ben-Zvi, Y., **Fatemeh Khodadadi,** Aćimović, S. G., Rodriguez-Saona, C. (2023). Blueberries infected with the fungal pathogen *Colletotrichum fioriniae* release odors that repel *Drosophila suzukii*. Pest Management Science, DOI: 10.1002/ps.7692(Refereed, Electronic) https://doi.org/10.1002/ps.7692

Santander, R.D., **Fatemeh Khodadadi,** Meredith, C.L., Rađenović, Ž., Clements, J., and Aćimović, S.G., Fire blight resistance, irrigation and conducive wet weather improve *Erwinia amylovora* winter survival in cankers. Frontier Microbiology. (2022). 13:1009364. doi: 10.3389/fmicb.2022.1009364.

Fatemeh Khodadadi, Phillip L. Martin, Kari A. Peter, Daniel J. Donahue, Srđan G. Aćimović. (2022). Characterizations of an Emerging Disease: Apple Blotch caused by *Diplocarpon coronariae* (syn. *Marssonina coronaria*) in the Mid-Atlantic United States. Plant Disease. 2022 Feb 14. doi: 10.1094/PDIS-11-21-2557-RE.

Phillip L. Martin, Teresa Krawczyk, Kristen Pierce, Catherine Thomas, **Fatemeh Khodadadi**, Srđan G. Aćimović, Kari A. Peter. (2021). Fungicide sensitivity of *Colletotrichum* species causing bitter rot of apple in the Mid-Atlantic US. Plant Disease. 2021. Aug 5. doi: 10.1094/PDIS-06-21-1142-RE.

Srđan G. Aćimović, Christopher L. Meredith, Ricardo D. Santander, **Fatemeh Khodadadi** (2021). Proof of concept for shoot blight and fire blight canker management with post-infection spray applications of prohexadione-calcium and acibenzolar-s-methyl in apple. Plant Disease, Vol. 105 (12): pg. 4095-4105.

Thomas Oberhänsli, Anna Dalbosco, Virginie Leschenne, Anne Bohr, Sascha Buchleither, Lucius Tamm, Lukas Wille, Srđan G. Aćimović, **Fatemeh Khodadadi,** Young-Hyun Ryu, Bruno Studer, Hans-Jakob Schärer, and Andrea Patocchi. (2021). Multiplexed SSR marker analysis of *Diplocarpon coronariae* reveals clonality within samples from Middle Europe and genetic distance from Asian and North American isolates. CABI Agriculture and Bioscience. Vol. 2, Article number: 21, pg. 1-15.

Phillip L. Martin, Teresa Krawczyk, **Fatemeh Khodadadi,** Srđan G. Aćimović, Kari A. (2021). Peter. Bitter rot of apple in the Mid-Atlantic: causal species, evaluation of predictive models and regional climate change, and cultivar susceptibility. Phytopathology. 2021. Phytopathology, Vol. 111(6):966-981.

Fatemeh Khodadadi, Jonathan B. González, Phillip L. Martin, Emily Giroux, Guillaume J. Bilodeau, Kari A. Peter, Vinson P. Doyle, Srdjan G. Aćimović. (2020). Identification and characterization of *Colletotrichum* species causing apple bitter rot in New York and description of *C. noveboracense* sp. *nov*. Scientific Reports, Vol. 10 (11043), pg. 1-19. DOI: 10.1038/s41598-020-66761-9

Fatemeh Khodadadi, Masoud Tohidfar, Kourosh Vahdati, Abhaya M. Dandekar, Charles A. Leslie. (2020). Functional analysis of walnut polyphenol oxidase gene (*JrPPO1*) in transgenic tobacco plants and PPO induction in response to walnut bacterial blight. Plant Pathology. 2020. 1–9. DOI: 10.1111/ppa.13159.

Fatemeh Khodadadi, Masoud Tohidfar, Mohayeji Mehdi, Abhaya M. Dandekar, Charles A. Leslie, Timothy Butterfield, Daniel A. Kluepfel, Kourosh Vahdati. (2016). Induction of polyphenol oxidase in walnut and its relationship to the pathogenic response to bacterial blight. Journal of American Society for Horticultural Science. 2016. 141:119-124.

Fatemeh Khodadadi, Naser Panjehkeh, Mohammad Ahmadinejad, Mohammad Mehdi Aminaei. (2011). Genetic variability of toxigenic and nontoxigenic isolates of *Aspergillus flavus* and *Aspergillus parasiticus* by RAPD marker. Journal of Food Safety, 2011. Vol. 31. No.4. P. 439-444.

Naser Panjehkeh, **Fatemeh Khodadadi**, Mohammad Ahmadinejad, Mohammad Mehdi Aminaei. (2012). Detection of aflatoxigenic fungi in pistachio nuts by polymerase chain reaction. Archive of Phytopathology and Plant Protection. 2012. Vol. 45. No. 2. P. 133-137.

Fatemeh Khodadadi, Mohammad Mehdi Aminaei, Nader Doreki. (2012). Relationship between aflatoxin production and sclerotia formation in *Aspergillus flavus* and *Aspergillus parasiticus* and compare the effects of certain chemicals and aloe vera extract on colony growth of *Aspergillus parasiticus*. Journal of Plant Protection (Agricultural Science and Technology). 2012. Vol. 26, No. 1, P. 29-36.

Non-Refereed Research Publications

Conference, Congress and Symposium Proceedings - Presentations:

Fatemeh Khodadadi, Diana McHenry, Srdjan G. Acimovic. (2022). *Colletotrichum* species causing bitter rot disease of apple in Virginia orchards. The Virginia Academy of Science. May 19- 20.

Fatemeh Khodadadi, Diana McHenry, Srdjan G. Acimovic. (2022). Colletotrichum species causing bitter rot disease in apple orchards in Virginia. The 12th International IOBC/WPRS Workshop on Pome Fruit Diseases. Plovdiv, Bulgaria. June 13–16.

Ricardo Delgado Santander, **Fatemeh Khodadadi,** Željko Radenović, Christopher L. Meredith, Jon Clements, and Srđan G. Aćimović. (2022). Pathogenicity-related gene expression in apple and Asian pear perennial bark tissues surrounding fire blight cankers. The 12th International IOBC/WPRS Workshop on Pome Fruit Diseases. Plovdiv, Bulgaria. June 13–16.

Fatemeh Khodadadi, Diana McHenry, Srdjan G. Acimovic. (2022). Which Colletotrichum species are the main players in causing bitter rot disease in apple orchards in Virginia? Plant Health 2022 - American Phytopathological Society Annual Meeting. 8/6/2022 - 8/10/2022.

Ricardo Delgado Santander, **Fatemeh Khodadadi,** Željko Radenović, Christopher L. Meredith, Jon Clements, and Srđan G. Aćimović. (2022). Expression of Pathogenicity-Related genes in the Bark Surrounding Fire Blight Cankers in Apple and Asian pear. Plant Health 2022 - American Phytopathological Society Annual Meeting. 8/6/2022 - 8/10/2022.

Delgado Santander, R., Meredith, C., **Khodadadi, F.,** Clements, J., Aćimović, S. (2021). Seasonal fluctuation of *Erwinia amylovora* populations in fire blight cankers and factors affecting the pathogen's detection by viability digital PCR. 83rd Annual Northeast Tree Fruit IPM Workshop. Virtual, Hosted by University of Vermont. October 19, 2021.

Khodadadi, F., Martin, P., Peter, K., Aćimović, S. (2021). Characterization, Spore Dispersal and Host Defense-Related Gene Expression of *Diplocarpon coronariae* Causing Apple Blotch Disease in the Mid-Atlantic

Region. 83rd Annual Northeast Tree Fruit IPM Workshop. Virtual, Hosted by University of Vermont. October 19, 2021.

Delgado Santander, R., Meredith, C., **Khodadadi, F.,** Clements, J., Aćimović, S. (2021). *Erwinia amylovora* Population Dynamics in Cankers Over Time and Environmental and Host Factors Affecting Pathogen Detection by Viability Digital PCR. Southeastern Professional Fruit Workers Conference. Virtual, Hosted by Clemson University, October 26-28, 2021.

Khodadadi, F., Martin, P., Peter, K., Aćimović, S. (2021). Emergence of *Diplocarpon coronariae* Causing Apple Blotch Disease in the Mid-Atlantic: Characterization of Spore Dispersal and Host Defense-related Gene Expression. Southeastern Professional Fruit Workers Conference. Virtual, Hosted by Clemson University, October 26-28, 2021.

Khodadadi, F., Martin, P., Peter, K., Donahue, D., Aćimović, S.G. (2021). Apple blotch (Marssonina Leaf Blotch) disease caused by *Diplocarpon coronariae*: A rising problem in the Mid-Atlantic, US. 97th Cumberland-Shenandoah Fruit Workers Conference. Virtual, Hosted by Virginia Tech. December 1 - 3, 2021.

Delgado Santander, R., Meredith, C., **Khodadadi, F.,** Clements, J., Aćimović, S.G. (2021). Tackling the role of environmental and host factors in *Erwinia amylovora* survival and long-term persistence in fire blight cankers. 97th Cumberland-Shenandoah Fruit Workers Conference. Virtual, Hosted by Virginia Tech. December 1 - 3, 2021.

Delgado Santander, R., Meredith, C., **Khodadadi, F**., Aćimović, S. (2021). Survival and Detection of *Erwinia amylovora* in Cankers and Effect of Environmental and Host Factors, Plant Health 2021 - American Phytopathological Society Annual Meeting. Virtual, Hosted by APS. August 2 – 6, 2021.

Khodadadi, F., Martin, P., Peter, K., Aćimović, S. (2021). Emergence, Identification, and characterization of Diplocarpon coronariae causing apple blotch disease in the Eastern United States. Plant Health 2021 - American Phytopathological Society Annual Meeting. Virtual, Hosted by APS. August 2 – 6, 2021.

P. Martin, T. Krawczyk, **F. Khodadadi**, S. G. Aćimović, K. Peter (2020). Predicting Apple Bitter Rot: Modeling the Impact of Wetness and Temperature, and Thoughts on the Effects of Fungicides, 96th Cumberland – Shenandoah Fruit Workers Conference, Via Zoom, hosted by Virginia Tech, AHSAREC, Winchester, VA. December 2 - 4, 2020

S. G. Aćimović, P. Martin, **F. Khodadadi**, T. Krawczyk, J. González, E. Giroux, G. Bilodeau, K. Yoder, K. Peter (2020). Same But Different *Colletotrichum* Species Causing Apple Bitter Rot in New York, Pennsylvania & Virginia - Distribution, Habitat, Management, 96th Cumberland – Shenandoah Fruit Workers Conference, Via Zoom, hosted by Virginia Tech, AHSAREC, Winchester, VA. December 2 - 4, 2020

S. G. Aćimović, R. D. Santander, C. L. Meredith, **F. Khodadadi** (2019). Employing Molecular Methods to Evaluate Fire Blight Management Options and Elucidate *Erwinia amylovora* Biology. 2019 Great Lakes Fruit Workers Meeting, Simcoe, Ontario, Canada, November 6-7, 2019.

S. G. Aćimović, R. D. Santander, C. L. Meredith, **F. Khodadadi** (2019). Quantifying the Effect of Dormant Copper on Overwintering Populations of *Erwinia amylovora* in Cankers on Apple Wood, 81st New England, New York, Canadian Fruit Pest Management Workshop, Burlington, VT, 22-23 Oct 2019.

S. G. Aćimović, **F. Khodadadi** (2019). *Colletotrichum* species and *Marssonina coronaria* - New or Old Apple Pathogens? 81st New England, New York, Canadian Fruit Pest Management Workshop, 22-23 Oct 2019, Burlington, VT, 22-23 Oct 2019.

S. G Aćimović, R. D. Santander, C. L. Meredith, **F. Khodadadi** (2019). Quantifying the reduction effect of dormant copper in mix with bark penetrants on overwintering populations of *Erwinia amylovora* in cankers on apple wood using viability-digital PCR. 2nd International Symposium on Fire Blight of Rosaceous Plants, Traverse City, MI, June 17-21, 2019.

F. Khodadadi, K. D. Cox, S. G. Aćimović (2019). Identification of *Colletotrichum* species causing bitter rot on apple in New York and their sensitivity to fungicides, 78th Annual Meeting of the Northeastern Division of American Phytopathological Society, State College, PA, April 3-5, 2019.

S. G Aćimović, R. D. Santander, C. L. Meredith, **F. Khodadadi** (2019). Post-infection applications of prohexadione-calcium can reduce/prevent shoot blight initiation of fire blight cankers on perennial apple wood. 2nd International Symposium on Fire Blight of Rosaceous Plants, Traverse City, MI, June 17-21, 2019.

Conference, Congress and Symposium Proceedings - Posters:

Ricardo D. Santander, **Fatemeh Khodadadi**, Christopher L. Meredith, Jon Clements, Srđan G. Aćimović. (2022). Tackling the role of environmental and host factors in *Erwinia amylovora* survival and long-term persistence in fire blight cankers. CSFWC Proceedings. Jan. 2022.

Fatemeh Khodadadi, Phillip L. Martin, Kari A. Peter, Srđan G. Aćimović. (2022). Apple blotch caused by *Diplocarpon coronariae*: a rising threat to apple production in the mid-Atlantic United States. CSFWC Proceedings. Jan. 2022.

Khodadadi, F., Aćimović, S. (2021). Analysis of pathogenesis-related gene expression in leaves of two apple cultivars, Fuji and Honeycrisp, infected by *Diplocarpon coronariae*. 2021 APS Northeastern and Potomac Division Joint Meeting. Virtual. March 10–12, 2021.

Khodadadi, F., Delgado santander, R., Rađenović, Ž., Aćimović, S. (2021). Susceptibility of apple cultivars to *Colletotrichum fioriniae* and *C. chrysophilum* after inoculation with conidia suspension and mycelial plugs. 2021 APS Northeastern and Potomac Division Joint Meeting. Virtual. March 10–12, 2021.

Khodadadi F, Martin P, Peter K, Acimovic S. (2021). Emergence, Identification, and characterization of *Diplocarpon coronariae* causing apple blotch disease in the Eastern United States. Plant Health 2021 - American Phytopathological Society Annual Meeting, Virtual, Hosted by APS, 02 Aug 2021-06 Aug 2021. 05 Aug 2021.

Delgado Santander R, Meredith C, **Khodadadi F**, Acimovic S. (2021) Survival and detection of *Erwinia amylovora* in cankers and effect of environmental and host factors. Plant Health 2021 - American Phytopathological Society Annual Meeting, Virtual, Hosted by APS, 02 -06 Aug 2021.

Santander RD, Meredith CL, **Khodadadi F**, Clemens J, Aćimović SG. (2021). Seasonal fluctuation of *Erwinia amylovora* populations in fire blight cankers and factors affecting the pathogen's detection by viability Digital PCR. 83rd Annual Northeast Tree Fruit IPM Workshop, Hosted by the University of Vermont, VT, October 19.

F. Khodadadi, J. B. Gonzales, S. G. Aćimović (2020): Extracellular enzyme activity of *Colletotrichum* species associated with apple bitter rot disease, Plant Health 2020 APS Annual Meeting, 10-14 Aug, Online, USA.

R. D. Santander, **F. Khodadadi**, C. Meredith, S. G. Aćimović (2020): Quantification of *Erwinia amylovora* survival in apple cankers and the impact of dormant copper spray applications with bark penetrants, Plant Health 2020 APS Annual Meeting, 10-14 Aug, Online, USA.

S. G. Aćimović, C. L. Meredith, R. D. Santander, **F. Khodadadi** (2019): Reduction of Shoot Blight Initiation of Fire Blight Cankers on Apple Wood by Post-infection Applications of Prohexadione-calcium, 2019 APS Plant Health Annual Meeting, 3-7 Aug, Cleveland OH, USA.

F. Khodadadi, K. A. Peter, D. J. Donahue, S. G. Aćimović (2019): Marssonina Blotch of Apple Caused by *Marssonina coronaria* in New York, 2019 APS Plant Health Annual Meeting, 3-7 Aug, Cleveland OH, USA.

Fatemeh Khodadadi, Hamid Mohammadi, Mohammad Reza Negarestani. (2013). Antifungal activity of two medicinal plants on the growth of *Botryosphaeria* spp. the causal agents of grapevine decline in Iran. The First National Conference on Medicinal Plants and Sustainable Agriculture. 10 October 2013.

Fatemeh Khodadadi, Gholamhossein Shahidi, Mohammad Mehdi Aminaei, Mehdi Kamali Dasht Arzhaneh. (2012). Relationship between aflatoxin production and types of sclerotia formation in *Aspergillus flavus* and *Aspergillus parasiticus*. 20th Iranian Plant Protection Congress. 25-28 August. 2012.

Fatemeh Khodadadi, Gholamhossein Shahidi, Mohammad Mehdi Aminaei, Rezvan Vazirzadeh Sirchi. (2012). Effect of propionic acid on the growth of *Aspergillus parasiticus*. 20th Iranian Plant Protection Congress. 25-28 August. 2012.

Zeinab Esmaeili, **Fatemeh Khodadadi,** Shirin Masoudi, Gholamhossein Shahidi. (2012). Review of main fungal diseases of Date palm in the world. The National Conference of Iranain Date. 2-3 Semptember 2012.

Fatemeh Khodadadi, Mohammad Mehdi Aminaei, Mohammad Ahmadinejad. (2010). Effect of Citric acid on the growth of *Aspergillus parasiticus*. 19th Iranian Plant Protection Congress. 31 July-3 August. 2010.

Teaching

Teaching PLPA265, Spring 2023, Microbiology and Plant Pathology Department at UC, Riverside.

Teaching Assistant, laboratory in Botany, Shahid Bahonar University of Kerman, Kerman, Iran. October 2012-February 2015.

Developed and presented lectures for weekly laboratory section covering the plant taxonomy and classification. Supervising students to identify the plant samples existed in the laboratory collections. Reviewed students' weekly reports held laboratory exams and graded the exams and assignments.

Teaching Assistant, Fungal and Bacterial Diseases of Fruit Trees, Shahid Bahonar University of Kerman, Kerman, October 2012-February 2015.

Developed and presented lectures for weekly classes covering plant fungal and bacterial diseases of fruit trees. Supervised undergraduate students to diagnose diseases of different plant samples in the laboratory. Reviewed students' weekly reports held exams and graded assignments.

Teaching Assistant, Laboratory in Plant Disease, Shahid Bahonar University of Kerman, Kerman, Iran. October 2012-February 2015.

Developed and presented lectures for weekly laboratory section covering plant fungal, bacterial, and viral diseases and physiological disorders. Supervised undergraduate students to diagnose diseases of different plant samples sent to the laboratory and differentiate different fungal structures under microscope. Reviewed students' weekly reports and held laboratory exams and graded the exams and assignments.

Adjunct Instructor, Plant Seed Identification. Payame Noor University, Kerman, Iran. October 2013-February 2014.

Adjunct Instructor, Wood Identification. Payame Noor University, Kerman, Iran. October 2014-February 2015.

Mentorship Experience

I have trained and mentored a Student-Intern, Zeljko Radjenovic, at Cornell University, HVRL, Highland, New York, 8 Aug 2019 – 20 Feb 2020. I actively mentored Zeljko Radjenovic in preparing culture media, isolating, and culturing fungi, extracting RNA and DNA, synthesizing cDNA, conducting qPCR and data analysis.

I have led and mentored Diana McHenry, Lab Research Specialist at Virginia Tech in identification of *Colletotrichum* species causing bitter rot on apple. This mentorship included the isolation and purification of the fungi of interest from infected samples, morphologically classifying them, conducting sequences, and running phylogenetic analyses.

Extension and Outreach Presentations

F. Khodadadi. Phytophthora Root Rot. Growers Meeting. California Avocado Commission. Fallbrook. CA. 2022.

F. Khodadadi. Bacterial Blight Disease of Juglans regia (Persian/English Walnut) Caused by Xanthomonas arboricola pv. juglandis. New York Nut Growers Association Meeting. July 24, 2021.

F. Khodadadi, S. G. Aćimović. Emergence of Diplocarpon coronariae (syn. Marssonina coronaria) Causing Apple Blotch Disease in the Eastern United States: Identification, Characterization and Resistance-gene Expression in 'Fuji' and 'Honeycrisp' Cultivars.
Plant Pathology & Plant-Microbe Biology Seminar Series. Cornell University. May 2021.

F. Khodadadi, S. G. Aćimović. 2021. Emergence of Diplocarpon coronariae Causing Apple Blotch Disease in Eastern United States: Identification, Characterization, and the Analysis of Resistance-Related Genes Expression Profile in Two Apple Cultivars, Fuji and Honeycrisp. Virtual Eastern New York Fruit and Vegetable Conference (formerly known as Fruit Schools), February 2021.

F. Khodadadi, S. G. Aćimović. 2020. Apple bitter rot disease caused by Colletotrichum species: from identification to control". 2019 Eastern New York Fruit and Vegetable Conference in Albany, NY (formerly known as Fruit Schools), February 2020.

F. Khodadadi, S. G. Aćimović. 2019. Identification and Characteristics of New Apple Fungal Pathogens in New York: Colletotrichum spp. Causing Fruit Bitter Rot and Marssonina coronaria Causing Marssonina Leaf Blotch. 2018 Eastern New York Fruit and Vegetable Conference in Albany, NY (formerly known as Fruit Schools), February 2019.

Extension Articles

Srđan G. Aćimović, Phillip L. Martin, **Fatemeh Khodadadi,** Kari A. (2020). Peter. One disease many causes: the key *Colletotrichum* species causing apple bitter rot in New York, Pennsylvania and Virginia, their distribution, habitats and management options. Fruit Quarterly. Volume 28. Number 4. Winter 2020.

Invited Scholarly Presentations

Fatemeh Khodadadi, Srđan G. Aćimović. (2021). Emergence of *Diplocarpon coronariae* (syn. *Marssonina coronaria*) Causing Apple Blotch Disease in the Eastern United States: Identification, Characterization and Resistance-gene Expression in 'Fuji' and 'Honeycrisp' Cultivars. Plant Pathology & Plant-Microbe Biology Seminar Series. Cornell University. May 2021.

Funding and Grant Awards

NAS Delfino Agriculture Innovation Seed, UC Riverside. Development of a novel detection method based on nanofluid digital chip for detection of avocado sunblotch viroid disease in California.)7/2023-06/2024. Role: PI: **Fatemeh Khodadadi**, Co-PI: Ke Du. Amount: $20,000

qRT-PCR for rapid detection and differentiation of *Colletotrichum* fungi causing fruit bitter rot on New York Apple Farms and Storages. PI: Srdjan G. Acimovic. **Written in collaboration with Fatemeh Khodadadi.** Funded by the Specialty Crop Block Grant program via New York Farm Viability Institute. 1/2019-31/2021. $100,000.

Identification of Colletotrichum species causing apple bitter rot disease in Virginia and development of DNA-based rapid diagnostic method. The Virginia Agricultural Council. PI: Srdjan G. Acimovic. **Co-PI: Fatemeh Khodadadi**. July 1, 2022-June 30, 2023. $30,000.

All *Colletotrichum* roads lead to rot: integrating tactics for optimal apple bitter rot management. USDA ARS Specialty Crop Multi-State Program. PI: Kari A. Peter. Co-PIs: Srdjan G. Acimovic, Wayne M. Jurick II. **Fatemeh Khodadadi**, and Sara Villani. 2022. Rejected for funding.

Leadership

Workshops/Meetings/Sessions Organized

Workshop on the principles of DNA recombinant and cloning methods: Co-Organizer for practical section and Program Managing. 2016. University of Shahid Beheshti, Tehran. Iran. 2-3 February 2016.

Workshop on Application of Bioinformatics in Gene Cloning. 2013. University of Medical Sciences, Kerman. 6-7 March 2013. Participant.

Workshop on Techniques of Molecular Biology: Co-Organizer. 2009. University of Medical Sciences, Kerman. 19-21 October 2009.

Professional societies

American Plant Pathology Society- Since 2020.

Iranian Plant Pathology Society- Since 2015.

Virginia Academy of Science- Since 2022.

Synergistic Activities, Committees, Awards

Ad hoc manuscript reviewer for New Forests. 2020

Ad hoc manuscript reviewer for Plant Disease. 2020-2021

Ad hoc manuscript reviewer for Phytopathology. 2020-2021

Ad hoc manuscript reviewer for Archives of Plant Pathology. 2020-2021

Ad hoc manuscript reviewer for Pathogens. 2020-2021

Ad hoc manuscript reviewer for Journal of Plant Pathology. 2020-2021

Ad hoc manuscript reviewer for Forests and Applied Microbiology and Biotechnology. 2020

Ad hoc manuscript reviewer for Scientific Reports. 2020-2021

Ad hoc manuscript reviewer for Canadian Journal of Plant Pathology. 2020

Ad hoc manuscript reviewer for Agronomy. 2020

Ad hoc manuscript reviewer for International Journal of Horticultural Science and Technology. 2020

Ad hoc manuscript reviewer for Euro-Mediterranean Journal for Environmental Integration (EMJE). 2020

Honors and Awards

Iran Ministry of Science Research Fellowship recipient, August 2014.