

Curriculum Vitae (CV)

Personal Information:



Full Name: Faegheh Etminani

Nationality: Iranian

Date of Birth: January 30, 1992

Place of Birth: Sanandaj, Kurdistan, Iran



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Google Scholar/ResearchGate: h-index:6, citations:291

EDUCATION:

University of Kurdistan

Ph.D. in Plant Pathology Kurdistan, Iran 2017-2023

Thesis: Influence of endophytic bacteria isolated from Grapevine on some virulence factors of *Agrobacterium tumefaciens*, the causal agent of crown gall disease

University of Kurdistan

M.Sc. in Plant Pathology Kurdistan, Iran 2013-2016

Thesis: Identification of plant growth promoting endophytic bacteria isolated from *Pistacia atlantica* in the forest regions of Baneh and Marivan

University of Kurdistan

B.Sc. in Plant protection Kurdistan, Iran 2009-2013

Pooyesh High School (Elite students' school)

Diploma Kurdistan, Iran 2005-2009

RESEARCH INTERESTS

Biological Control of Plant Pathogens (Antagonistic bacteria, Volatile Organic Compounds - VOCs)

Plant Growth-Promoting Rhizobacteria (PGPR) and Endophytic Bacteria

Plant-Microbe Interactions and Induced Systemic Resistance (ISR)

Bioinformatics & In Silico Studies in Plant Pathology

Drought Stress Tolerance and Sustainable Agriculture

HONORS & AWARDS (Selected)

Ranked 1st among peers in Ph.D., M.Sc., and B.Sc. programs (University of Kurdistan)

Top Researcher and Technologist of Kurdistan Province (Jahad Daneshgahi of Kurdistan)

Winner of the Shahid Ahmadi Roshan Grant, National Elite Foundation (2021)

Winner of the Shahid Vezvaei project Award from the National Elite Foundation; Research Assistant to the supervisor, 2017-2020.

Winner of the "Idea Plus" Festival in Pharmaceutical Sciences (2016)

Active Member, Young Researchers and Elite Club, Islamic Azad University (2014-2024)

PUBLICATIONS:

PUBLICATIONS ISI/Scopus Indexed Journal Articles (Peer-Reviewed)

Etminani, F., Harighi, B., Bahramnejad, B., & Mozafari, A. A. (2024). Ant virulence effects of cell-free culture supernatant of endophytic bacteria against *Agrobacterium tumefaciens* and induction of defense responses. *BMC Plant Biology*, 24, 104.

Etminani, F., Fazeli-Nasab, B., Gowtham, H. G., Mirzaei, A. R., Barasarathi, J., & Sayyed, R. Z. (2024). Bioinformatics investigation of the effect of volatile and non-volatile compounds of rhizobacteria in inhibiting late embryogenesis abundant protein. *Open Agriculture*, 9(1), 1-11.

Etminani, F., & Barzegari, E. (2023). Virtual screening of natural ligands from five resources to target *Ralstonia solanacearum* polygalacturonase and endoglucanase. *3 Biotech*, 13, 261.

Etminani, F., Etminani, A., Hasson, S. O., Judi, H. K., Akter, S., & Saki, M. (2023). In silico study of inhibition effects of phytochemicals against the *Staphylococcus aureus* β -lactamase. *Informatics in Medicine Unlocked*, 37, 374.

Etminani, F., Harighi, B., & Mozafari, A. A. (2022). Effect of volatile compounds produced by endophytic bacteria on virulence traits of grapevine crown gall pathogen. *Scientific Reports*, 12, 1-14.

Etminani, F., Yousefvand, M., & Harighi, B. (2020). Phylogenetic analysis and molecular signatures specific to the *Ralstonia solanacearum* species complex. *European Journal of Plant Pathology*, 158, 261-279.

Etminani, F., & Harighi, B. (2018). Isolation and identification of endophytic bacteria with plant growth promoting activity and biocontrol potential from wild pistachio trees. *The Plant Pathology Journal*, 34(3), 208-217.

Etminani, F., Etminani, A., & Fazeli-Nasab, B. (2025). Bioinformatic study of the antiviral properties of thyme and eucalyptus against the coat protein of *mimosa yellow vein virus*. *Plant Biotechnology Persa*, 7.

Scientific-Research Articles (ISC / Persian Journals) ·

Etminani, F., & Etminani, A. (2024). Phylogenetic identification of endophytic bacteria isolated from eggplant roots and evaluation of their antagonistic potential. *Journal of Applied Biology*, 15(4), 83-93. ·

Etminani, F., Etminani, A., & Darvishi, S. (2024). Evaluation of endophytic *Pseudomonas* bacteria to produce gibberellin and IAA in soybean. *Journal of Plant Research*, 23(2), 185-174.

Etminani, F., & Etminani, A. (2023). Antibacterial activity of hydroalcoholic extracts of Thyme and Lemon balm against *Pseudomonas syringae*. *Journal of Kurdistan University of Medical Sciences*, 22(4), 57-67.

Etminani, F., & Etminani, A. (2017). Phylogenetic Characterization of Endophytic Bacterium *Pseudomonas Protegens* with Antagonistic Ability Isolated From privet. *Scientific Journal of Ilam University of Medical Sciences* 26(4), 74-84.

Books & Book Chapters ·

Book Chapter:

Etminani, F. (2024). Improving Plant Tolerance to Biotic and Abiotic Stresses Through Bacterial Volatile Compounds. In *Plant-Microbe Interactions and Stress Tolerance*. (English).

Translated Book: *Bacterial Diseases of Forest Trees*. (2024). (Persian translation). ·

Book: (Dictionary of Quranic Words). (2021). (Persian).

PATENT

Title: Production of Biological Nano-Bactericide against Canker in Stone Fruit Trees.

Registration Number: 102988 | Date: November 2020.

RESEARCH PROJECTS

Principal Investigator: Effect of seed biopriming and salicylic acid on improving drought stress resistance in rainfed wheat. (Ongoing – INSF/AREEO).

Collaborator: Production of Nano-bactericide. (Completed).

Collaborator: Study of chickpea tolerance to Pursuit herbicide at seedling and maturity stages. (Completed).

Collaborator: Effect of alcoholic and aqueous propolis extract on *P. syringae*. (Completed).

CONFERENCE PRESENTATIONS

Presented over 30 research papers at national and international conferences.

TECHNICAL & PROFESSIONAL SKILLS

Microbiology: Bacterial culture, Biochemical tests, Molecular techniques

Bioinformatics & Molecular Tools: MEGA Software, Primer Design, Phylogenetic Tree Construction, Data Analysis: SPSS, SAS, Molecular docking software

General IT: Microsoft Office Suite, ICDL

PROFESSIONAL MEMBERSHIPS

National Elites Foundation of Iran

Iranian Plant Pathology Society (Active Member)

Young Researchers and Elite Club, Islamic Azad University (Member since 2014-2024)

LANGUAGE SKILL

English: Reading and writing (intermediate)

Arabic: Reading and writing (intermediate)

Persian: Semi-Native

Kurdish: Native