



Ali athafah Tomah

علي عذافة طعمة نشي المالكي

Professor

PROFILE

Agriculture Science and Nanotechnology

ACADEMIC TITLES

2024-06-04 Professor

TEACHING EXPERIENCE

Professor
College of Science
2012-01 - 2013-01

COURSES

• Mycology (MYCO312)

ADMINISTRATIVE POSITIONS

2015-01-01 - 2017-01-01 Head of Plant Protection Department
2026-01-01 - Present Editor-in-Chief of Misan Journal of Agricultural and Environmental Sciences

PUBLICATIONS (21)

- Synthesis of Zinc Oxide Nanoparticles using Trichoderma sp. and testing their efficacy in inhibiting the damping-off disease on three plants of the Solanaceae
Misan Journal of Agricultural and Environmental Sciences 2 (1), 1-7, 2026 | 2026
- Effectiveness of Trichoderma asperellum as a biocontrol agent against eggplant damping-off disease caused by Fusarium proliferatum
Muthanna Journal of Agricultural Science 13 (1), 1-17, 2026 | 2026
- Isolation and characterization of *Bacillus velezensis*: investigating its mechanisms as an effective biocontrol agent against *Verticillium* wilt in eggplants
Frontiers in Sustainable Food Systems | 2025
- Isolation and characterization of *Bacillus velezensis*: investigating its mechanisms as an effective biocontrol agent against *Verticillium* wilt in eggplants
Frontiers in Sustainable Food Systems 9 (<https://doi.org/10.3389/fsufs.2025&nb...>), 2025 | 2025 | Cited: 7
- Screening of Trichoderma isolate effective in controlling lettuce drop disease caused by *Sclerotinia sclerotiorum*
Misan Journal of Agricultural and Environmental Sciences 1 (1), 1-9, 2025 | 2025 | Cited: 1
- Sclerotia degradation by Trichoderma-mycoparasitic; an effective and sustainable trend in the drop lettuce disease control caused by *Sclerotinia sclerotiorum*
Archives of Microbiology 206 (286), 15, 2024 | 2024 | Cited: 17

CONTACT

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EDUCATION

ماجستير (05-09-2009)
Plant diseases
University of Basra
دكتوراه (30-06-2023)
Phytopathology
Zhejiang University

RESEARCH METRICS

h-index (Scopus)	7
h-index (GS)	8
Citations (Scopus)	306
Citations (GS)	421
Documents (Scopus)	11
Documents (GS)	17

RESEARCH INTERESTS

• Green synthesis of nanoparticles and their potential to inhibit plant diseases



7. **Eco-Friendly Synthesis of Silver Nanoparticles: Principles and Their Antimicrobial Characteristics**
Sustainable Nanoremediation, 253-295, 2024 | 2024 | Cited: 2
8. **Sclerotia degradation by *Trichoderma*-mycoparasitic; an effective and sustainable trend in the drop lettuce disease control caused by *Sclerotinia sclerotiorum***
Archives of Microbiology | 2024
9. **Potential of *Trichoderma virens* HZA14 in Controlling Verticillium Wilt Disease of Eggplant and Analysis of Its Genes Responsible for Microsclerotial Degradation**
Plants 12 (21), 3761, 2023 | 2023 | Cited: 25
10. **The Potential of *Trichoderma*-Mediated Nanotechnology Application in Sustainable Development Scopes**
Nanomaterials 13 (17), 2475, 2023 | 2023 | Cited: 42
11. **Precision drug design against *Acidovorax oryzae*: leveraging bioinformatics to combat rice brown stripe disease**
Frontiers in Cellular and Infection Microbiology 13, 1225285, 2023 | 2023 | Cited: 1
12. **The potential of *Trichoderma*-mediated nanotechnology application in sustainable development scopes. *Nanomaterials*. 13 (17), 2475**
2023 | Cited: 7
13. **Biosynthesis of Silver Chloride Nanoparticles by Rhizospheric Bacteria and Their Antibacterial Activity against Phytopathogenic Bacterium *Ralstonia solanacearum***
Molecules 27, 20, 2022 | 2022 | Cited: 43
14. **Biosynthesis of Silver Chloride Nanoparticles by Rhizospheric Bacteria and Their Antibacterial Activity against Phytopathogenic Bacterium *Ralstonia solanacearum***
Molecules | 2021 | Cited: 44
15. **A new species of *Trichoderma* and gliotoxin role: A new observation in enhancing biocontrol potential of *T. virens* against *Phytophthora capsici* on chili pepper**
Biological Control 145, 104261, 2020 | 2020 | Cited: 137
16. **Isolation, Identification and Characterization of Rhizobacteria Strains for Biological Control of Bacterial Wilt (*Ralstonia solanacearum*) of Eggplant in China**
Agriculture 10 (2), 37, 2020 | 2020 | Cited: 40
17. **First record the fungus *Bipolaris australiensis* as a cause of leaf blight date palm in Misan and attempt to control it in in vitro condition**
Plant Archives 20 (2), 966-970, 2020 | 2020 | Cited: 6
18. **Mycosynthesis of Silver Nanoparticles Using Screened *Trichoderma* Isolates and Their Antifungal Activity against *Sclerotinia sclerotiorum***
Nanomaterials 10, 11955, 2020 | 2020 | Cited: 75
19. **Effect aqueous extract of *Xanthium strumarium* L. and *Trichoderma viride* against *Rhizctonia solani***
International Journal of Botany and Research 4 (6), 16, 2014 | 2014 | Cited: 18
20. **Effect Aqueous Extract of *Xanthium Strumarium* L and *Trichoderma viride* against *Rhizctonia solani***
International Journal of Botany and Research (IJBR) | 2014
21. **Pythium aphanidermatum وامكانية دراسة لمرض موت بادرات وتعفن جذور الخيار المتسبب عن الفطر المكافحة المتكاملة**
رسالة ماجستير-كلية الزراعة -جامعة البصرة -العراق, 2009 | 2009