Academic Curriculum Vitae

Personal Information:

Full Name: Tavga Sulaiman Rashid
Academic Title: Assist prof
Email: tavga.rashid@su.edu.krd
Mobile: 009647504524781

Education:

2013 - 2016	University Putra Malaysia, Ph.D. Major: Plant Pathology/Biological control Advisor: Kamaruzaman Sijam, Ph.D.
2005 - 2008	Salahaddin University, M.Sc. Major: Plant Pathology Advisor: Khalid H. Taha, Ph.D.
2000 - 2004	Salahaddin University, B.A. Major: Plant protection

Employment:

October 2017 – September 2021	**Lecturer** at Plant Protection Department, Salahaddin University, College of Agricultural Engineering Sciences
October 2017 – September 2021	**Head of Plant Protection Department**, Salahaddin University, College of Agricultural Engineering Sciences
December 2020 – Present	**Assist Prof**, Salahaddin University, College of Agricultural Engineering Sciences
August 2016 - 2020	**Lecturer**, Salahaddin University, College of Agricultural Engineering Sciences
Jan 2008 - May 2012	**Assistant Lecturer**, Salahaddin University, College of Agricultural Engineering Sciences
Jan 2005 - Spring 2008	**Tutor,** Salahaddin University, College of Agricultural Engineering Sciences

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THESIS TITLES:

• **PH.D. THESIS:** ANTIMICROBIAL ACTIVITY OF *Rhus Coriaria L*. FRUIT EXTRACTS AGAINST SELECTED BACTERIAL AND FUNGAL PATHOGENS OF TOMATO

• **M.SC. THESIS:** TOMATO STEM CANKER CAUSED BY *PHOMA LYCOPERSICI* (PLOWER.) JACZ. AND SOME METHODS OF CONTROL.

Qualifications

- Teaching qualifications: Advance
- IT qualifications: Advance
- IELTS: 6
- Any professional qualification: completed the course (The art of diction and public speaking)

Teaching experience:

2023	**Techniques of crop diseases control**
2023	**Biological control of pests and diseases,** Salahaddin University
2022	**Plant bacterial diseases**, Salahaddin University
2021	**Biotechnology,** Salahaddin University
2021	**Plant bacterial diseases**, Salahaddin University
2021	**Biotechnology,** Salahaddin University
2021	**Advanced Research Methodology**, Salahaddin University
2021	**Advanced Biological control**, Salahaddin University
2020	**Advanced Research Methodology**, Salahaddin University
2019	**Advanced Biological control**, Salahaddin University
2019	**Advanced Research Methodology**, Salahaddin University
2019	**Advanced Biotechnology**, Salahaddin University
2019	**Biological control of pests and diseases,** Salahaddin University
2019	**Postharvest Diseases,** Salahaddin University
2019	**Biotechnology**, Salahaddin University
2018	**Advanced Biological control**, Salahaddin University
2018	**Advanced plant disease diagnosis**, Salahaddin University
2018	**Biological control of pests and diseases,** Salahaddin University
2018	**Postharvest Diseases,** Salahaddin University
2018	**Biotechnology**, Salahaddin University
2017	**Biological control,** Salahaddin University
2017	**Biotechnology**, Salahaddin University
2017	**Postharvest Diseases,** Salahaddin University
2011	**Mycology**, Salahaddin University
2011	**Field crop diseases**, Salahaddin University
2009	**Horticulture plant pathology**, Salahaddin University

Research and publications

1. Ali, A. O., Awla, H. K., & **Rashid, T. S.** (2024). Investigating the In Vivo Biocontrol and Growth-Promoting Efficacy of Bacillus sp. and Pseudomonas fluorescens against Olive Knot Disease. Microbial Pathogenesis, 191, 106645.
2. **Rashid, T. S.,** Awla, H. K., & Sijam, K. (2023). Efficacy of the nanoemulsion formulation of Rhus coriaria extract on selected tomato pathogens under greenhouse condition. Biocatalysis and Agricultural Biotechnology, 51, 102785.
3. Tarad, K. W., Saleh, H. M., & **Rashid, T. S**. (2023). A survey, Pathogenicity assay, and Molecular Identification of the Pathogenic Fungi Associated with Pistachio in Anbar Province, Iraq. Basrah Journal of Agricultural Sciences, 36(2), 320-333.
4. Salih, M. A., & **Rashid, T. S.** (2023). Screening for antibacterial activity in selected medicinal plant extracts against Xanthomonas euvesicatoria. Polytechnic Journal, 12(2), 22.

5. Ali, A. O., & **Rashid,** T. S. (2022). Biocontrol Activities of Olive Endophytic Bacteria Isolates Against Pseudomonas savastanoi. Polytechnic Journal, 12(2), 114-120.
6. **Rashid,** T. S., Awla, H. K., & Sijam, K. (2022). Formulation, characterization and antimicrobial activity of Rhus coriaria aqueous crude extract. Biocatalysis and Agricultural Biotechnology, 45, 102519.
7. **Rashid**, T. S. (2021). Bioactive metabolites from tomato endophytic fungi with antibacterial activity against tomato bacterial spot disease. Rhizosphere, 17, 100292.
8. **Rashid**, T. S., Qadir, S. A., & Awla, H. K. (2021). Induction of defence related enzymes and biocontrol efficacy of Trichoderma harzianum in tomato plants infected with Fusarium oxysporum and Fusarium solani. Acta agriculturae Slovenica, 117(1), 1-6.
9. Yasin, B., Ali, O. O., & **Rashid, T. S.** (2021). Antagonistic Activity and Plant Growth Promoting Rhizobacteria Isolated from Forest Plant Rhizosphere Against *Fusarium solani* on Thuja Seedlings. Iraqi Journal of Agricultural Sciences, 52(6), 1508-1515.
10. Awla, H. K., & **Rashid, T. S.** (2020). HPLC fractionation: A comparative analysis of anti-fungal compounds from different Streptomyces isolates inhibiting Colletotrichum acutatum. Biocatalysis and Agricultural Biotechnology, 101688.
11. Qadir, S. A., Mohammed Q.K., **Rashid**, T.S. and Hayman, K. A (2019). Abscisic Acid Accumulation And Physiological Indices In Responses To Drought Stress In Wheat Genotypes. *Iraqi Journal of Agricultural Science, 50*(2), 705-712.
12. Zaywer, Z.O., **Rashid, T. S.,** Awla, H. K. (2019). Influence of two varieties of broad bean and *Beauveria bassiana* on aphids (*Aphis fabae*) under field conditions. PolytechnicJournal.
13. **Rashid**, T. S., Awla, H. K., & Sijam, K. (2018). Antifungal effects of Rhus coriaria L. fruit extracts against tomato anthracnose caused by Colletotrichum acutatum. *Industrial crops and Products*, *113*, 391-397.
14. Khaleel, A. I., Sijam, K., **Rashid, T. S.** (2018). Determination Of Antibacterial Compounds Ofpunicagranatum Peel Extract By Tlc Direct Bio-Autography Andgcms Analysis. Biochem. Cell. Arch.18: 379-384.
15. Idan, A. A., Sijam, K., Kadir, J., **Rashid**, T. S., Awla, H. K., & Alsultan, W. (2017). Biological Control of Pyricularia oryzae Using Antifungal Compounds Produced by Aspergillus niger. American Journal of Plant Sciences, 8(10), 2445-2460.

16. Awla, H. K., Kadir, J., Othman, R., **Rashid,** T. S., Hamid, S., & Wong, M. Y. (2017). Plant growth-promoting abilities and biocontrol efficacy of Streptomyces sp. UPMRS4 against Pyricularia oryzae. Biological Control, 112, 55-63.
17. Alsultan, Q. M. N., Sijam, K., **Rashid,** T. S., Ahmad, K. B., & Awla, H. K. (2017). Investigation of phytochemical components and bioautography of Garcinia mangostana L. methanol leaf extract. Journal of Experimental Agriculture International, 1-7.
18. Awla, H. K., Kadir, J., Othman, R**., Rashid, T. S.,** & Wong, M. Y. (2016). Bioactive compounds produced by Streptomyces sp. isolate UPMRS4 and antifungal activity against *Pyricularia oryzae*. *American Journal of Plant Sciences*, *7*(07), 1077-1085.
19. Alsultan, Q. M. N., Sijam, K., **Rashid, T. S.,** & Ahmad, K. B. (2016). GC-MS Analysis and antibacterial activity of mangosteen leaf extracts against plant pathogenic bacteria. *American Journal of Plant Sciences*, *7*(07), 1013-1020.
20. Nasehi, A., Kadir, J., **Rashid, T. S**., Awla, H. K., Golkhandan, E., & Mahmodi, F. (2016). Occurrence of anthracnose fruit rot caused by *Colletotrichum nymphaeae* on pepper (Capsicum annuum) in Malaysia. *Plant Disease*, *100*(6), 1244-1244.
21. **Rashid, T. S.,** Sijam, K., Nasehi, A., Kadir, J., Saud, H. M., & Awla, H. K. (2016). Occurrence of Phoma Blight Caused by *Phoma destructiva* on Tomato (*Solanum lycopersicum*) in Malaysia. *Plant Disease*, *100*(6), 1241.
22. **Rashid, T. S.,** Sijam, K., Awla, H. K., Saud, H. M., & Kadir, J. (2016). Pathogenicity Assay and Molecular Identification of Fungi and Bacteria Associated with Diseases of Tomato in Malaysia. *American Journal of Plant Sciences*, *7*(06), 949-957.
23. Khaleel, A. I., Sijam, K., **Rashid, T. S.,** & Ahmad, K. B. (2016). Phytochemical determination and antibacterial activity of *Punica granatum* peel extracts against plant pathogenic bacteria. *American Journal of Plant Sciences*, *7*(01), 159-166.
24. **Rashid, T. S.,** Sijam, K., Kadir, J., Saud, H. M., Awla, H. K., Zulperi, D., & Hata, E. M. (2016). Screening for active compounds in Rhus coriaria L. crude extract that inhibit the growth of *Pseudomonas syringae* and *Ralstonia solanacearum*. *Indian Journal of Agricultural Research*, *50*(1):15-21.
25. **Rashid, T. S**., Sijam, K., Kadir, J., Saud, H. M., Awla, H. K., & Hata, E. M. (2015). First report of tomato anthracnose caused by *Colletotrichum boninense* in Malaysia. *Journal of Plant Pathology*, *97*(1).
26. **Rashid, T. S**., Kamaruzaman, S., Golkhandan, E., Nasehi, A., & Awla, H. K. (2015). First Report of *Xanthomonas gardneri* Causing Bacterial Spot of Tomato in Malaysia. *Plant Disease*, *100*, 854.
27. Zulperi, D., Sijam, K., Ahmad, M., Zainal, A., Awang, Y., & **Rashid**, T.S. (2014). Occurrence of Ralstonia solanacearum race 2 biovar 1 associated with Moko disease of banana (Musa paradisiaca cv. Nipah) in Malaysia. Journal of phytopathology, 162(10), 697-702.

MANUSCRIPTS IN PREPARATION/SUBMITTED FOR REVIEW _____

- Antifungal Activity of Selected Medicinal Plant Extracts Against Grey Mold Disease and Extending the Shelf Life of Strawberry Fruits
- Bacterial endophytes from medicinal plants as biocontrol agents against *Fusarium graminearum* and enhancement of wheat seedling growth
- Tomato seed treatment and germination responses to selected plant extracts.
- Nanoparticles derived from medicinal plant extracts and their antibacterial activity
- Biocontrol Activities of Endophytic Bacteria Isolates Against Olive Quick Decline Syndrome (OQDS) Pathogen
- Quality and Yield of Potato Seed Tubers as Influenced by Plant Growth Promoting Rhizobacteria

Conferences and courses attended

Tavga S. Rashid, Kamaruzaman Sijam, Jugah Kadir and Mohd Saud. (2015). Antifungal Activity of Rhus coriaria Crude Extracts Against Fusarium oxysporum Isolated From Tomato**.** Asian Congress on Biotechnology 2015 (ACB2015). Malaysia.

Tavga S. Rashid, Kamaruzaman Sijam, Jugah Kadir and Mohd Saud. (2015). *Rhus coriaria* Extracts for Controlling the Post-Harvest Anthracnose of Tomato Fruit. 2nd International Conference on Crop Improvement (ICCI 2015). Malaysia.

Tavga S. Rashid and Muhammad Raqib Rasul (2023). Quality and Yield of Potato Seed Tubers as Influenced by Plant Growth Promoting Rhizobacteria. International Conference on Interdisciplinary Academic Research and Innovation (IARI-23) on 1st January 2023 in Venice, Italy.

Funding and academic awards

2024 **Medal of Creativity and Excellence**

The 3rd conference for Distinguished Iraqi Inventions.

2021 **Gold Medal**
The 6th International Invention Innovation Competition in Canada, iCAN 2021

2020 **Gold Medal**
Toronto International Society of Innovation & Advanced Skills (TISIAS)

2016 **Best graduate doctoral program award**
Awarded by University Putra Malaysia, Office of Graduate Studies.

2016 **Bronze Medal**
Pameran Rekacepta, Penyelidkan Dan Inovasi 2016

PATENT_____

- NANOEMULSION BIOPESTICIDE COMPOSITION HAVING RHUS SPP. PLANT EXTRACT AND METHOD THEREOF. (2016). Malaysia. Patent No. PI201670214.

- SEED COATING COMPOSITION. BLASTBUSTER RS4 (2016). Malaysia.

ADVISORY:

1. ADVISOR OF M.SC. THESIS OF BANDY YASSIN "BACTERIAL ANTAGONISTS IN COMBINATION WITH DIFFERENT SOIL MEDIA FOR MANAGEMENT OF ROOT ROT DISEASES OF *THUJA OCCIDENTALIS''* 2020.

2. ADVISOR OF M.SC. THESIS OF AVIN OMER, ENTITLED ''BIOCONTROL ACTIVITIES OF OLIVE ENDOPHYTIC BACTERIA ISOLATES AGAINST PSEUDOMONAS SAVASTANOI '' 2022.

3. ADVISOR OF M.SC. THESIS OF MEDYA AHMAD SALIH ''NANOPARTICLES DERIVED FROM SELECTED PLANT EXTRACTS AND THEIR ANTIBACTERIAL ACTIVITY AGAINST XANTHOMONAS VESICATORIA'' 2022

4. ADVISOR OF M.SC. THESIS OF KHALID WALID TARAD, ENTITLED'' INVESTIGATION OF THE ROOT PATHOGENICFUNGI ASSOCIATED WITH PISTACHIO TREES AND THEIR BIOLOGICAL CONTROL USING TRICHODERMA HARAZIANUM'' COLLEGE OF AGRICULTURAL, UNIVERSITY OF ANBAR, BAGHDAD, IRAQ, 2022.

5. ADVISOR OF M.SC. THESIS OF MARWA TAHSEN MUHAMMEDSHARIF, ENTITLED'' DIVERSE VOLATILE ORGANIC COMPOUNDS AS BIOCONTROL AGENTS AGAINST ERWINIA CAROTOVORA AND PENCILLIUM DIGITATUM IN POSTHARVEST SYSTEMS'' 2024

6. ADVISOR OF M.SC. THESIS OF MUHAMMAD KAMAL RAHSID, ENTITLED'' BIOSYNTHESIS AND FORMULATION OF ACTINOMYCETES-DERIVED SILVER NANOPARTICLES FOR CONTROLLING ALTERNARIA SOLANI IN TOMATO PLANTS'' 2024

7. ADVISOR OF M.SC. THESIS OF TALAR KAIFI ANWAR, ENTITLED'' OPTIMIZING EXTRACTION METHODS TO ENHANCE ANTIBACTERIAL ACTIVITY OF PLANT EXTRACT COMBINATIONS AND NANOPARTICLES AGAINST ERWINIA CAROTOVORA THE CAUSAL AGENT OF POTATO SOFT ROT'' 2024

Professional memberships

SCIENTIFIC COMMITTEES:

1. ORGANIZING COMMITTEE MEMBER OF THE ROLE OF AGRICULTURE IN THE DEVELOPMENT AND PROSPERITY OF THE NATIONAL ECONOMY (ICCMAT) CONFERENCE, 16-17 OCTOBER 2020, ERBIL, IRAQ.
2. ORGANIZING COMMITTEE MEMBER OF THE 12TH INTERNATIONAL CONFERENCE OF ARAB BEEKEEPERS UNION 9-7 OCTOBER 2019.

3. ORGANIZING COMMITTEE MEMBER OF THE CONFERENCE OF AGRICULTURE MANAGEMENT, MARCH 2019, ERBIL, IRAQ.

Ad-hoc Reviewer

Asian Research Journal of Agriculture
Brazilian Journal of Social Psychology
International journal of plant and soil science
The journal of plant Pathology
The journal of Applied Biological Research
Grasasy aceites Journal
Industrial crops and Products Journal

Professional Social Network Accounts:

	Title	***Link***
1	Staff site	https://sites.google.com/a/su.edu.krd/dr-tavga-s-rashid/
2	Researchgate	https://www.researchgate.net/profile/Tavga_Rashid5
3	LinkedIn	(1) Tavga (Sulaiman) Rashid | LinkedIn
4	Google scholar	https://scholar.google.com/citations?user=jqmHcNIAAAAJ
5	ORCID	https://orcid.org/0000-0001-5105-1594