



## CURRICULUM VITAE

**Tavga Sulaiman Rashid**

March 2024

### PERSONAL INFORMATION

Family Name/Surname: **TAVGA SULAIMAN RASHID**  
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Tel. No.: 009647504524781  
Marital status: Married  
Language: English, Arabic, Kurdish

### 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

### ACADEMIC EMPLOYMENT

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 - present                **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

#### 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.

#### 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.

#### ADVISORY

1. SUPERVISOR 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. SUPERVISOR OF M.SC. THESIS OF AVIN OMER, ENTITLED "BIOCONTROL ACTIVITIES OF OLIVE ENDOPHYTIC BACTERIA ISOLATES AGAINST *PSEUDOMONAS SAVASTANOI*" 2022.
3. SUPERVISOR OF M.SC. THESIS OF MEDYA AHMAD SALIH "NANOPARTICLES DERIVED FROM SELECTED PLANT EXTRACTS AND THEIR ANTIBACTERIAL ACTIVITY AGAINST *XANTHOMONAS VESICATORIA*" 2022
4. SUPERVISOR OF M.SC. THESIS OF KHALID WALID TARAD, ENTITLED "INVESTIGATION OF THE ROOT PATHOGENIC FUNGI 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 TAHSIN, ENTITLED " DIVERSE VOLATILE ORGANIC COMPOUNDS AS BIOCONTROL AGENTS AGAINST *ERWINIA CAROTOVORA* AND *PENICILLIUM DIGITATUM* IN POSTHARVEST SYSTEMS. IN PROGRESS
6. ADVISOR OF M.SC. THESIS OF MUHAMAD KAMAL RASHEED, ENTITLED " BIOSYNTHESIS AND FORMULATION OF SILVER NANOPARTICLES BY *STREPTOMYCES* SPP. AND ITS ANTIFUNGAL ACTIVITY AGAINST *ALTERNARIA SOLANI* ON TOMATO. IN PROGRESS
7. ADVISOR OF M.SC. THESIS OF TALAR KAIFE, ENTITLED " OPTIMIZING EXTRACTION METHODS TO ENHANCE ANTIBACTERIAL ACTIVITY OF PLANT EXTRACT COMBINATIONS AND

NANOPARTICLES AGAINST ERWINIA CAROTOVORA THE CAUSAL AGENT OF POTATO SOFT ROT. IN PROGRESS

#### HONORS AND AWARDS

- 2024            **Medal of Creativity and Excellence**  
The 3<sup>rd</sup> conference for Distinguished Iraqi Inventions. 2024
- 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 Rekcepta, Penyelidikan Dan Inovasi 2016

#### PROFESSIONAL AFFILIATIONS AND SERVICES

##### 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  
European Journal of plant pathology

#### PATENT

- NANOEMULSION BIOPESTICIDE (Rhuscor<sup>TM</sup>) (2016). Malaysia. Patent No. PI201670214.
- SEED COATING COMPOSITION. **BLASTBUSTER RS4 (2016)**. Malaysia.

#### PUBLICATIONS

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.

**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.

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.

Salih, M. A., & **Rashid**, T. S. (2023). Screening for antibacterial activity in selected medicinal plant extracts against *Xanthomonas euvesicatoria*. *Polytechnic Journal*, 12(2), 22.

Ali, A. O., & **Rashid**, T. S. (2022). Biocontrol Activities of Olive Endophytic Bacteria Isolates Against *Pseudomonas savastanoi*. *Polytechnic Journal*, 12(2), 114-120.

**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.

**Rashid**, T. S. (2021). Bioactive metabolites from tomato endophytic fungi with antibacterial activity against tomato bacterial spot disease. *Rhizosphere*, 17, 100292.

**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.

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.

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.

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.

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*.

**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.

Khaleel, A. I., Sijam, K., **Rashid**, T. S. (2018). Determination Of Antibacterial Compounds Of *Punica granatum* Peel Extract By Tlc Direct Bio-Autography And GC-MS Analysis. *Biochem. Cell. Arch.* 18: 379-384.

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.

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.

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.

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.

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.

Nasehi, A., Kadir, J., **Rashid, T. S.**, Awla, H. K., Golkhandan, E., & Mahmudi, F. (2016). Occurrence of anthracnose fruit rot caused by *Colletotrichum nymphaeae* on pepper (*Capsicum annum*) in Malaysia. *Plant Disease*, 100(6), 1244-1244.

**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.

**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.

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.

**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.

**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).

**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.

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.
- Quality and Yield of Potato Seed Tubers as Influenced by Plant Growth Promoting Rhizobacteria
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**CONFERENCE PRESENTATIONS**

**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.

**TEACHING EXPERIENCE**

2021            **Plant bacterial diseases**, Salahaddin University  
2021            **Biotechnology**, Salahaddin University

2021	<b>Advanced Research Methodology</b> , Salahaddin University
2021	<b>Advanced Biological control</b> , Salahaddin University
2020	<b>Advanced Research Methodology</b> , Salahaddin University
2019	<b>Advanced Biological control</b> , Salahaddin University
2019	<b>Advanced Research Methodology</b> , Salahaddin University
2019	<b>Advanced Biotechnology</b> , Salahaddin University
2019	<b>Biological control of pests and diseases</b> , Salahaddin University
2019	<b>Postharvest Diseases</b> , Salahaddin University
2019	<b>Biotechnology</b> , Salahaddin University
2018	<b>Advanced Biological control</b> , Salahaddin University
2018	<b>Advanced plant disease diagnosis</b> , Salahaddin University
2018	<b>Biological control of pests and diseases</b> , Salahaddin University
2018	<b>Postharvest Diseases</b> , Salahaddin University
2018	<b>Biotechnology</b> , Salahaddin University
2017	<b>Biological control</b> , Salahaddin University
2017	<b>Biotechnology</b> , Salahaddin University
2017	<b>Postharvest Diseases</b> , Salahaddin University
2011	<b>Mycology</b> , Salahaddin University
2011	<b>Field crop diseases</b> , Salahaddin University
2009	<b>Horticulture plant pathology</b> , Salahaddin University

<b>Seminars and Workshops attend</b>
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	<i>Title</i>	<i>name</i>	<i>place</i>	<i>Year</i>
1	Library Introduction	Seminar	Malaysia	2015
2	Guide to getting published	Workshop	Malaysia	2015
3	Academic carrier preparatory	Seminar	Malaysia	2016
4	Strategies to Publishing in High-Impact Journals	Workshop	Malaysia	2016

<b>Websites</b>
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	<i>Title</i>	<i>Link</i>
1	Staff site	<a href="https://sites.google.com/a/su.edu.krd/dr-tavga-s-rashid/">https://sites.google.com/a/su.edu.krd/dr-tavga-s-rashid/</a>
2	Researchgate	<a href="https://www.researchgate.net/profile/Tavga_Rashid5">https://www.researchgate.net/profile/Tavga_Rashid5</a>
3	LinkedIn	<a href="#">(1) Tavga (Sulaiman) Rashid   LinkedIn</a>
4	Google scholar	<a href="https://scholar.google.com/citations?user=jqmHcNIAAAAJ">https://scholar.google.com/citations?user=jqmHcNIAAAAJ</a>