

CURRICULUM VITAE

Name: Jawaher Salman Alkahtani

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EDUCATION

- 2018 University of Arkansas at Fayetteville, Cell and Molecular Biology, United States, Ph.D.
- Defended Thesis; Identification and Characterization of Salinity Tolerance Genes by Activation Tagging in Arabidopsis
- 2010 King Saud University, College of Science, Riyadh, M.A., Physiology Plant, Botany - Microbiology.
- Defended Thesis; Physiological and Biochemical Study on the Interactive Effect of Seed Priming and Salt Stress on Germination and Growth of Barley *Hordeum vulgare* L. Seedlings.
- 2004 King Saud University, College of Science, Riyadh, B.A., Botany – Microbiology

EMPLOYMENT HISTORY

- 2019 Assistant Professor, Botany and Microbiology Department, King Saud University, College of Science, Riyadh, Saudi Arabia.
- 2011 Lecturer, Botany and Microbiology Department, King Saud University, College of Science, Riyadh, Saudi Arabia.
- 2009 Teacher Assistant, at Deanship of Quality, as administrative Worker, King Saud University, College of Science, Riyadh, Saudi Arabia.

EXPERIENCE & TRAINING

- 2022 Arbitrator in National Olympiad for Scientific Creativity (Ibdaa 2022), Mawhiba, KSA, October 2021 – May 2022
- 2022 Arbitrator in Virtual Regeneron International Science and Engineering Fair (ISEF), USA, May 2022
- 2022 Attending the Eco-Environmental meeting of “The Vegetative Cover in a Confront the Climate Change”, By Climate Change Research and Vegetation Development Chair, King Saud University.
- 2021 Arbitrator in National Olympiad for Scientific Creativity (Ibdaa 2021), Mawhiba, KSA, October 2020 – May 2021

2021	Arbitrator in Virtual Regeneron International Science and Engineering Fair (ISEF), USA, May 2021
2019	Participation in an Organized of the Soil World Day, King Saud University.
2015	Participation in a Judging team for STEM Education Outreach, Northwest Arkansas Regional Science and Engineering Fair, University of Arkansas.
2010	Organized workshop for American academic accreditation of King Saud University.
2010	Participated and worked on a committee in the workshop of the strategic plan for the College of Nursing, King Saud University.
2009	Participated in a training workshop on the program SPSS for analyzing forms of academic accreditation, King Saud University.
2006	Participated in a workshop exploring the reinstitution of women in accordance with the programs of continuing education centers and community service, King Saud University.

CONFERENCES

2018	Participation in AR-BIC- Annual meeting of Arkansas Bioinformatics in Food and Agriculture Conference at University of Arkansas for Medical Science (UAMS), Little Rock, Arkansas, United states.
2017	Participation in ASPB- Annual meeting of American Society of Plant Biologists Annual Plant Biology Meeting, Honolulu, Hawaii, United states.

RELEVANT COURSE ATTENDED

2021	International Workshop on the Future of Seawater Farming & Saline Agriculture in Kingdom of Saudi Arabia, Ministry of Environment, Water and Agriculture, Saudi Arabia, Zoom Meeting.
2021	Workshop of Morphology and Functional Anatomy of Plant Leaves, Prince Norah University Zoom Meeting.
2020	Introduction in Different ProQuest Databases, Deanship of Library Affairs, King Saud University.
2020	Completed the new faculty program (36 training hours), The Deanship of skills Development, King Saud University.
2020	Effective university teaching, Deanship of Skills Development, King Saud University.

2020	Course design and construction, Deanship of Skills Development, King Saud University.
2020	Micro teaching and peer consultation, Deanship of Skills Development, King Saud University.
2019	Evaluation of learning outcomes, Deanship of Skills Development, King Saud University, USA.
2012	Course for skills, Deanship of Skills Development, King Saud University.
2012	Full-time ESL Intensive Academic English Program course, University of Arkansas at Fayetteville.
2011	Full-time ESL Intensive Academic English Program course, University of Texas at Austin.
2010	"ISO 9001: 2008 internal Audit of quality management" At King Saud University.
2010	"The ethics of scientific research", King Saud University.
2010	"Scientific Research (concepts and mechanisms)", King Saud University.
2010	"Research skills through the Internet and databases", King Saud University.
2010	"Time management skills", King Saud University.
2010	"Write a research plan for the master's or doctoral", King Saud University.
2010	"Software tab and writing scientific references", King Saud University.
2010	Course for development of computer skills, Deanship of Skills Development, King Saud University.
2010	Course for development of English skills, Deanship of Skills Development, King Saud University.

LANGUAGE

- Native speaker of Arabic
- Proficient in Academic English

PUBLICATION

1-Alwahibi, M. S., Elshikh, M. S., Alkahtani, J., Muhammad, A., Khalid, S., Ahmad, M., ... & Ali, I. (2020). Phosphorus and Zinc Fertilization Improve Zinc Biofortification in Grains and Straw of Coarse vs. Fine Rice Genotypes. *Agronomy*, 10(8), 1155.

2- Sharma, N., Khanna, K., Manhas, R. K., Bhardwaj, R., Ohri, P., Alkahtani, J., ... & Ahmad, P. (2020). Insights into the Role of *Streptomyces hydrogenans* as the Plant Growth Promoter, Photosynthetic Pigment

Enhancer and Biocontrol Agent against *Meloidogyne incognita* in *Solanum lycopersicum* Seedlings. *Plants*, 9(9), 1109.

3- ALKAHTANI, J., ELSHIKH, M. S., KHAN, A., AHMAD, K., KHAN, Z. I., HUSSAIN, K., ... & NADEEM, M. Evaluation of Anti-nutritional Compounds in Selected Wild Plants Consumed by Ruminants in Pasturelands.

4- Alkahtani, J., Elshikh, M. S., Alwahibi, M. S., Muhammad, A., Ahmad, M., & Khalid, S. (2020). Phosphorus and Zinc Fertilization Influence Crop Growth Rates and Total Biomass of Coarse vs. Fine Types Rice Cultivars. *Agronomy*, 10(9), 1356.

5- Ullah, H., Soliman Elshikh, M., Alwahibi, M. S., Alkahtani, J., Muhammad, A., & Khalid, S. (2020). Nitrogen Contents in Soil, Grains, and Straw of Hybrid Rice Differ When Applied with Different Organic Nitrogen Sources. *Agriculture*, 10(9), 386.

6- Alkahtani, J., Elshikh, M. S., Almaary, K. S., Ali, S., Imtiyaz, Z., & Ahmad, S. B. (2020). Anti-bacterial, anti-scavenging and cytotoxic activity of garden cress polysaccharides. *Saudi Journal of Biological Sciences*, 27(11), 2929-2935.

7- SHAHEEN, F., ASHRAF, M. Y., KHAN, Z. I., AHMED, K., ALKAHTANI, J., ALWAHIBI, M. S., ... & MUNIR, M. Comparative Effect of Salinity on Antioxidant Enzymes of Two Wheat Genotypes by Foliar Application of Salicylic Acid and Potassium.

8- Ullah, A., Ali, M., Shahzad, K., Ahmad, F., Iqbal, S., Rahman, M. H. U., ... & Datta, R. (2020). Impact of Seed Dressing and Soil Application of Potassium Humate on Cotton Plants Productivity and Fiber Quality. *Plants*, 9(11), 1444.

9- Maqbool, M. M., Naz, S., Ahmad, T., Nisar, M. S., Mehmood, H., Alwahibi, M. S., & Alkahtani, J. (2020). The impact of seed burial depths and post-emergence herbicides on seedling emergence and biomass production of wild oat (*Avena fatua* L.): Implications for management. *Plos one*, 15(10), e0240944.

10-Dwiningsih, Y., Kumar, A., Thomas, J., Ruiz, C., Alkahtani, J., Al-Hashimi, A., & Pereira, A. (2021). Identification of genomic regions controlling chalkiness and grain characteristics in a recombinant inbred line rice population based on high-throughput SNP markers. *Genes*, 12(11), 1690.

11- Ahmad, W., Ahmad, M., Sahibzada, M. U. K., Khusro, A., Emran, T. B., Alnasrawi, A. M., ... & Elshikh, M. S. (2022). Lipid peroxidation reduction and hippocampal and cortical neurons protection against ischemic damage in animal model using *Stellaria media*. *Saudi Journal of Biological Sciences*, 29(3), 1887-1892.

12- Alkahtani, J. (2022). Genome-Wide Association Study of Grain Quality Traits in Rice Detected Genomic Regions of High-Quality Rice for Increasing Rice Consumption. *Biosciences Biotechnology Research Asia*, 19(2), 333-346.