ABDULRAHMAN AL-HASHIMI

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PROFESSIONAL SUMMARY

Structured academic professional demonstrating proven success in fostering student learning outcomes through creative and innovative curriculum delivery methods. Adept in driving thought-provoking class debates to promote student engagement and learning. Aiming to secure an opportunity to apply several years of instruction experience.

WORK HISTORY

Assistant Professor, 11/2019 - Current
King Saud University, Riyadh, Saudi Arabia

- Working as coordinator for the plant Unit Since 2019 up to now.
- Working closely with Professors to support collaborative research for course progression.
- Supporting various projects, aiding learning progression and growth in line with demands.
- Developing a multidisciplinary approach to education, ensuring the highest quality teaching, research, and student experience.
- Working with multiple research groups on projects regards the Mapping of plant populations for resistance genes against some common diseases in the region and for drought and salinity resistance genes as well.
- Worked with the Department of Botany and microbiology to improve and teach some courses such as 102 Botany, 272 plant physiology, 349 Ecophysiology
- Another project is interserted in studying the genetic diversity of some wild plants.
- Developed some growth protocols for the desert plants.
- Worked with graduate students and teaching assistants on the development of classroom material and teaching practicums.

Lecturer in Plant Science, 11/2010 - 11/2019
King Saud University, Riyadh, Riyadh Region

- Maintained continued personal development in plant physiology to offer best-possible subject support.
- Prepared comprehensive course material in line with blended

SKILLS

- Academic workshop delivery
- Motivational leader
- Plant physiology and research expertise
- Teaching and supervision
- Applied research
- Academic mentoring
- Statistical work

learning strategies, achieving a good understanding of the practical part of the courses

- Assisted various research groups with doing some experiments on the lap and analyzing some data.

Graduate Research Assistant, 10/2015 - 09/2019
United States Department of Agriculture, Manhattan , United States

- Conducted comprehensive Mapping wheat' population research, processing findings with precision for analysis and evaluation.
- Assisted various research groups with their projects and learned to work on new types of equipment and help with scoring a lot of phenotypes diseases.

Researcher, 01/2015 - 03/2019
United States Department of Agriculture , Manhattan, United States

- Collecting the phenotypic for experiments belongs to the Department
- Applied rigorous research methodology to manage large statistical datasets.
- Partnered with a team of researchers to strengthen research infrastructure.
- Analysis and execution of some of the genetic work at the Lab such as designing markers and extracting DNA, RNA, and sequencing the samples.

EDUCATION

Doctor of Philosophy, Plant Genetics And Biotechnology For Agronomy Dep., 09/2019
Kansas State University - Manhattan

Master of Science, Plant science, 08/2010
King Saud University - Riyadh

Bachelor of Science, Biology , 08/2006
King Saud University - Riyadh

PUBLICATION

•Majid, Muhammad, Muqarrab Ali, Khurram Shahzad, Fiaz Ahmad, Rao M. Ikram, Muhammad Ishtiaq, Ibrahim A. Alaraidh, Abdulrahman Al-hashimi, Hayssam M. Ali, Tayebeh Zarei, Rahul Datta, Shah Fahad, Ayman El Sabagh, Ghulam S. Hussain, Mohamed Z.M. Salem, Muhammad Habib-ur-Rahman, and

Subhan Danish. 2020. "Mitigation of Osmotic Stress in Cotton for the Improvement in Growth and Yield through Inoculation of Rhizobacteria and Phosphate Solubilizing Bacteria Coated Diammonium Phosphate" Sustainability 12, no. 24: 10456. https://doi.org/10.3390/su122410456

•Dwiningsih, Yheni, Anuj Kumar, Julie Thomas, Charles Ruiz, Jawaher Alkahtani, Abdulrahman Al-hashimi, and Andy Pereira. 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, no. 11: 1690. https://doi.org/10.3390/genes12111690

• Shahbaz Khan, Atif Rasool, Sohail Irshad, Muhammad Bilal Hafeez, Madad Ali, Maham Saddique, Muhammad Asif, Zuhair Hasnain, Samra Naseem, Mona S. Alwahibi, Abdulrahman Al-Hashimi 2021; "Potential soil moisture deficit: A useful approach to save water with enhanced growth and productivity of wheat crop". Journal of Water and Climate Change 12 (6): 2515–2525. doi: https://doi.org/10.2166/wcc.2021.356

•Aslam, Anisa, Shahbaz Khan, Danish Ibrar, Sohail Irshad, Ali Bakhsh, Syed T.R. Gardezi, Madad Ali, Zuhair Hasnain, Abdulrahman Al-Hashimi, Mehmood A. Noor, Marian Brestic, Milan Skalicky, and Ali T.K. Zuan 2021. "Defensive Impact of Foliar Applied Potassium Nitrate on Growth Linked with Improved Physiological and Antioxidative Activities in Sunflower (Helianthus annuus L.) Hybrids Grown under Salinity Stress" Agronomy 11, no. 10: 2076. https://doi.org/10.3390 /agronomy11102076

•AbdElgawad, Hamada, Mohammad K. Okla, Saud S. Al-amri, Abdulrahman AL-Hashimi, Wahida H. AL-Qahtani, Salem M. Al-Qahtani, Zahid K. Abbas, Nadi A. Al-Harbi, Ayman A. Algafar, Mohammed S. Almuhayawi, Samy Selim, and Mohamed Abdel-Mawgoud. 2021. "Effect of Elevated CO2 on Biomolecules' Accumulation in Caraway (Carum carvi L.) Plants at Different Developmental Stages" Plants 10, no. 11: 2434. https://doi.org /10.3390/plants10112434

• Khanzada, B., Akhtar, N., Okla, M. K., Alamri, S. A., Al-Hashimi, A., Baig, M. W., Rubnawaz, S., AbdElgawad, H., Hirad, A. H., Haq, I.-U., & Mirza, B. (2021). Profiling of antifungal activities and in silico studies of natural polyphenols from some plants. Molecules, 26(23), 7164. https://doi.org/10.3390/ molecules26237164

•Salih, Abdalrhaman M., Fahad Al-Qurainy, Mohammad Nadeem,

Mohamed Tarroum, Salim Khan, Hassan O. Shaikhaldein, Abdulrahman Al-Hashimi, Alanoud Alfagham, and Jawaher Alkahtani. 2021. "Optimization Method for Phenolic Compounds Extraction from Medicinal Plant (Juniperus procera) and Phytochemicals Screening" Molecules 26, no. 24: 7454. https://doi.org/10.3390/molecules26247454

• Sundararaman, Sathish, Ponnusamy Senthil Kumar, Prabu Deivasigamani, Aravind K. Jagadeesan, Marshiana Devaerakkam, Abdulrahman Al-Hashimi, and Dongjin Choi. 2021. "Assessing the Plant Phytoremediation Efficacy for Azolla filiculoides in the Treatment of Textile Effluent and Redemption of Congo Red Dye onto Azolla Biomass" Sustainability 13, no. 17: 9588. https://doi.org/10.3390/su13179588

• Islam, M., Al-Hashimi, A., Ayshasiddeka, M., Ali, H., El Enshasy, H. A., Dailin, D. J., & Yeasmin, T. (2022). Prevalence of mycorrhizae in host plants and rhizosphere soil: A biodiversity aspect. *Plos one*, *17*(3), e0266403.

- Shaikhaldein, H. O., Al-Qurainy, F., Nadeem, M., Khan, S., Tarroum, M., Salih, A. M., ... & Alkahtani, J. (2022). Assessment of the impacts of green synthesized silver nanoparticles on Maerua oblongifolia shoots under in vitro salt stress. Materials, 15(14), 4784.

- Alfarraj, N. S., Tarroum, M., Al-Qurainy, F., Nadeem, M., Khan, S., Salih, A. M., ... & Perveen, K. (2023). Biosynthesis of Silver Nanoparticles and Exploring Their Potential of Reducing the Contamination of the In Vitro Culture Media and Inducing the Callus Growth of Rumex nervosus Explants. Molecules, 28(9), 3666.

- Khan, S., Al-Qurainy, F., Al-Hashimi, A., Nadeem, M., Tarroum, M., Shaikhaldein, H. O., & Salih, A. M. (2023). Effect of Green Synthesized ZnO-NPs on Growth, Antioxidant System Response and Bioactive Compound Accumulation in Echinops macrochaetus, a Potential Medicinal Plant, and Assessment of Genome Size (2C DNA Content). Plants, 12(8), 1669.

- Alhashimi, A., AL-Huqail, A. A., Hashem, M. H., Bakr, B. M., Fekry, W. M., Abdel-Aziz, H. F., ... & Fathy, M. (2023). Using Deficit Irrigation Strategies and Organic Mulches for Improving Yield and Water Productivity of Mango under Dry Environment Conditions. Agriculture, 13(7), 1415.

Certificates:

2022 - Course in Preparing technical and financial proposals- King Abdullah Institute for Research and Consulting Studies at Kin Saud University.

2022 - Course in Administrative and leadership skills

2023 - Foundations: Data- course authorized by Google and offered through Coursera