

SUMMARY OF DOCTORAL RESEARCH ACTIVITIES

Name: Waleed Khaled Kaddem

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Education:

- ✓ Bachelor's degree/Graduate of the College of Agriculture, Department of Field Crops, University of Baghdad, 1995
- ✓ Master's Degree in Genetics and Plant Breeding, Sam Higgin Bottom University of Agriculture, Technology and science /India, 2014

Current workplace: Quality Control Manager at Al-Sadr Warehouses, General Company for Foodstuff Trading, Ministry of Trade

Papers published during PhD:

First author:

1. **Waleed Khaled Kaddem Al-Sudani**, Rawaa Shakir Shnain Al-Shammari, Mohammed Saheb Abed, Jasim Hafedh Al-Saedi, Maria Mernea, Iulia Ioana Lungu, Florian Dumitrache and Dan Florin Mihailescu, The Impact of ZnO and Fe₂O₃ Nanoparticles on Sunflower Seed Germination, Phenolic Content and Antiglycation Potential, *Plants* 2024, 13, 1724. <https://doi.org/10.3390/plants13131724>. (**Journal Impact Factor: 4.1**)
2. **Waleed Khaled Kaddem Al-Sudani**, Rawaa Shakir Shnain Al-Shammari, Jasim Hafedh Al Saedi, Giorgiana Diana Carmen Anghelescu, Maria Mernea, Mihai Gabriel Matache, Dan Florin Mihailescu, Size Dependent Effects of ZnO And Fe₂O₃ Nanopriming on Germination Dynamics and Synchrony in Sunflower (*Helianthus Annuus L.*), *INMATEH - Agricultural Engineering* 2025, 77(3), 1494-1506. <https://doi.org/10.35633/inmateh-77-119>. (**Journal Impact Factor: 0.74**)

Co-author:

1. Rawaa Shakir Shanain Al-Shammari, Ahmed Kareem Hammood Jaberi, Ana Lungu, Ioana Brebenel, **Waleed Khaled Kaddem Al-Sudani**, Jasim Hafedh Mohammed Al-Saedi, Emilian Cristian Pop, Maria Mernea, Gheorghe Stoian, Dan Florin Mihailescu, The

antifungal activity of zein nanoparticles loaded with transition metal ions, Rev Roum Chim 2021, 66(10-11), 829-834. (**Journal Impact Factor: 0.6**)

2. Mohammed Saheb Abed, Meeri Kadhim Al-Fatlawi, Hussein Ali Salim, **Waleed Khaled Kaddem Al-Sudani**, Dan Florin Mihailescu, Comparative Evaluation of Some Unconventional Non-Chemical Approaches to Eradicate Bed Bugs Cimex Lectularius L.(Hemiptera: Cimicidae), Sarhad Journal of Agriculture 2025, 41(5), 84-91. (**Indexed in BDI**)

Papers presented at conferences:

1. National Conference of Biophysics CNB 2020 - 14-16 June, 2020, Brasov, Romania, R. AlShammari, A. Lungu, W. Al-Sudani, M. Mernea, J. Al-Saedi, G. Stoian, D.F. Mihailescu, Candida Krusei Inhibition by Zein NPs Loaded with Chromium Ions, Poster T5P12 (Poster)
2. National Conference of Biophysics CNB 2020 - 14-16 June, 2020, Brasov, Romania, J. AlSaedi, M. Mernea, R. Al Shammari, W. Al Sudani, G. Stoian, D.F. Mihailescu, Bovine Serum Albumin Conformational Changes due to Glycation by Fructose, Glucose and Galactose, Poster T4P7 (Poster).

Communication sessions attended:

1. **International webinar** [Challenges and New Frontiers in Drug Discovery] (22-23 June 2020) India, Faculty of Health Science, SHUATS.
2. **International webinar** [COVID-19 and Beyond Future Prospects in Biotechnology] (8-9 July 2020) India, Jacob Institute of Biotechnology & Bioengineering, SHUATS.
3. **National webinar** [COVID-19 Detection & Entrepreneurial Opportunities for Patients & Non-Patients] (13 July 2020) India, Jacob Institute of Biotechnology & Bioengineering, SHUATS.
4. **Attended webinar** [Need for Speed: Testing Edible Oils & Fats with FT-NIR Spectroscopy] Feb-24, 2021. Organized by NEW Food.
5. **Attended webinar** [Health Care Disparities in Diabetes] August 14, 2020. Organized by HARVARD MEDICAL SCHOOL.
6. **Attended webinar** [COVID-19 in People with Diabetes or Obesity] June 22, 2020. Organized by HARVARD MEDICAL SCHOOL.

06.05.2026.

PhD Student:
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