

CURRICULUM VITAE

Dr. Reham M. Abdalla

(2026)

Name	Reham M. Abdalla
Google Scholar	https://scholar.google.com/citations?user=AjTv140AAAAJ&hl=en
University Profile	https://aun.edu.eg/agriculture/index.php/reham-mohamed-mohamed-ali-abdalla
Telephone no.	0020 1090490094
E-mail	Reham.abdalla@aun.edu.eg
Mailing Address	Vegetable Crops Department, Faculty of Agriculture, Assiut University, 71526 Assiut, Egypt

EDUCATION

<i>Ph.D. (Horticulture)</i> College of Agricultural Sciences, The Pennsylvania State University, PA, USA	2011-2016
<i>M.Sc. (Horticulture)</i> Faculty of Agriculture, Assiut University, Egypt	2008
<i>B.Sc. (Horticulture)</i> Faculty of Agriculture, Assiut University, Egypt	2004

WORK AND TEACHING EXPERIENCE

<i>Associate professor of Vegetable Crop Physiology</i> Faculty of Agriculture, Assiut University, Egypt	2022-now
<i>Lecturer of Vegetable Crop Physiology</i> Faculty of Agriculture, Assiut University, Egypt	2017-2022
<i>Teaching Assistant</i> Department of Plant Sciences, <u>The Pennsylvania State University, PA, USA</u>	2015-2016
<i>Assistant Lecturer</i> Department of Horticulture, Assiut University, Egypt	2009-2016
<i>Research Fellow</i> M.Sc. research work, Department of Applied Biology, <u>University of Helsinki, Finland</u>	2006 – 2007
<i>Teaching Assistant</i> Department of Horticulture, Assiut University, Egypt	Dec 2004-2009

RESEARCH EXPERIENCES

- Post-doctoral research experience at the Faculty of Agriculture, Assiut University.
- Supervision of Master's and PhD students.
- **PhD research experience** on tomato grafting, hydroponics, and plant stress physiology.
The Pennsylvania State University, PA, USA
- **Research experience** on growth regulators treatments on strawberries.
Department of Applied Biology, **University of Helsinki, Finland, 2006-2007.**

TEACHING COURSES

Teaching undergraduate and post-graduate courses such as vegetable physiology, vegetable crop production, vegetable stress physiology, environmental factors on vegetable production, protected vegetable production, tissue culture, post-harvest physiology, technology in vegetable production, fundamentals of horticulture, propagation of vegetable crops, and discussions.

OTHER SCIENTIFIC ACTIVITIES

A) Supervision

Supervised master's and doctoral students:

- Master's thesis: Zeinab Saleh Sayed, A Study of Genetic and Molecular Variations in Okra (*Abelmoschus esculentus* L. Moench), 2025.
- Master's thesis: Hasnaa Mahmoud AbdelAleem, Effect of Chitosan and Calcium Chloride on Growth and Fruit Quality of Tomato Plants, 2025.
- PhD thesis: Khaled Ahmed Farghaly, Evaluation of local alternatives for growing media and nutrient solutions under sustainable system, 2024.
- Master's thesis: Esraa Gamal Abd Elmotaal, Assessment of Diversity Derived from Differential Sources of Onion (*Allium cepa*), 2024.
- PhD thesis: Nada Nashaat Kandil, Effect of Organic Fertilizer on Growth and Yield of Some Vegetable Crops, 2022.
- Master's thesis: Khaled Ahmed Farghaly, Utilization of some local organic wastes as growing media in soilless cultivation systems, 2020.

B) Reviewer

- Reviewing scientific papers for the following scientific journals: Journal of Soil Science and Plant Nutrition, American Journal of Potato Research, The crop Journal, Communications in Soil Science and Plant Analysis, Journal of plant nutrition, and AGRIVITA.

C) Member of the Strategic Planning Team at the Faculty of Agriculture, Assiut University, 2023-2024.

D) Member of the Graduate Studies Committee at the Faculty of Agriculture, Assiut University, 2024-2025.

E) Member of the Editorial Committee of Assiut Journal of Agricultural Sciences, <https://ajas.journals.ekb.eg/>, 2024-now.

F) Member of Committee of Quality Assurance Unit in the Vegetable Crops Department, Faculty of Agriculture, Assiut University, 2024-now.

WORKSHOPS AND CONFERENCES

- Scientific committee member of the 9th Scientific Conference of Agricultural Sciences, Faculty of Agriculture, Assiut University, from 24-25th November 2025.
- Attendance of scientific workshop entitled: Presentation and Formatting Skills of Scientific Research. Held on 24 June, 2023.
- Attendance of the 10th junior researchers conference, March 21st, 2022, Faculty of Agriculture, Assiut University, Assiut, Egypt
- The Bio-Analytic Data visualization and analytic tools for multiple levels of plant biology course, August 21, 2021
- Journal Editor 1, online through Nature Research Academies workshop, February, 22nd, 2021
- Web of Science hands-on training, online through Clarivate and EKB, February, 14th, 2021
- Effective Post-submission strategies, online through Nature Research Academies workshop, February, 9th, 2021
- Attendance of the grant writing workshop, 13-14 October, 2019, Faculty of Agriculture, Assiut University, Assiut, Egypt
- Attendance of the 20th **Penn State Plant Biology Symposium**. May 13-16, 2015, The Pennsylvania State University, USA
- **Poster Presentation at the Gordon Research Conference** on Salt & Water Stress in Plants August 3-8, 2014, Sunday River Resort, Newry, ME, USA
- **Speaker at the Bio-Intensive High Tunnel School**. March 31st, 2014, Philadelphia Area–Overbrook Center, PA, USA
- Member of Penn State's Gamma Sigma Delta, the honor society of agriculture, 2014
- Member of the American Society for Horticultural Science, 2013-2014
- Attendance of the **2014 Mid- Atlantic Fruit and Vegetable Convention**, Jan. 2014, Hershey, PA, USA
- Speaker at the 3rd Scientific Conference of Young Scientists, Assiut University, Egypt, 2009.
- Attendance of Principles of Molecular Biology Workshop, Department of Genetics, Biotechnology Laboratory, Faculty of Agriculture, Assiut University, Egypt, 2008.
- Effective Reading Strategies course, Helsinki University of Technology, Helsinki, Finland, 2006.

HONORS AND AWARDS

- **The College of Agricultural Sciences Graduate Student Competitive Grants Program**, Plant Science (Agricultural Sciences).
The Pennsylvania State University, PA, USA, 2015/2016
- Full Egyptian **governmental PhD scholarship** at the USA, 2011-2014

- Assiut University Award for the **best Master thesis in Agricultural Sciences**, Assiut University 2009/2010.

PUBLICATIONS

Abeer A. A. Bakr, Sobhi F. Lamloom, Abdel-Haleem A. H. El-Shaieny, Ahmed M.

Abdelghany & **Reham M. Abdalla**. 2026. Synergistic effects of organic fertilizer and copper-calcium nanoparticles on onion growth and storage under arid conditions. Scientific Reports 16, 19534. <https://doi.org/10.1038/s41598-026-57028-w>

Hassan A. H. Soltan, **Reham M. Abdalla**, Mahmoud M. Refaai and Asmaa S. Ezzat. 2025. Bio stimulants as Sustainable Alternatives to Nitrogen Fertilizers in Head Lettuce. Egyptian Journal of Horticulture Vol. 52, No. 2, pp. 161-170. <https://doi.org/10.21608/ejoh.2025.441351.1293>

Zainab S. Sayed, Hassan S. Abbas, Karam A. Amein, and **Reham M. Abdalla**. 2025. A Study of Combining Ability in Okra (*Abelmoschus esculentus* L. Moench) for Growth, Yield, and Quality characteristics. Assiut Journal of Agricultural Sciences. Volume 56 Issue (2) (321-332). <https://doi.org/10.21608/ajas.2025.342695.1433>

Hasnaa M. Abdelaleem; Mohamed H.Z. EL-Dkeshy and **Reham M. Abdalla**. 2025. Preharvest Spraying of Calcium Chloride, Chitosan, and their Combination Effects on Tomato Growth, Yield, Fruit Characteristics, and Quality. Assiut Journal of Agricultural Sciences Volume 56 Issue (1) (296-313). <https://doi.org/10.21608/ajas.2025.330403.1417>

Khaled A. Farghly; Mohamed M.M. Ahmed ; Mamdouh A. Eissa; **Reham M. Abdalla** and Hala H. Gomah. 2025. Can Compost Be an Alternative to Germination Media for Growing Lettuce Seedlings in Nurseries? Assiut Journal of Agricultural Sciences. Volume 56 Issue (3) (267-282). <https://doi.org/10.21608/ajas.2025.320841.1406>

Ibrahim A Mohamed and **Reham M Abdalla**. 2023. Weed Control, Growth, and Yield of Tomato After Application of Metribuzin and Different Pendimethalin Products in Upper Egypt. Journal of Soil Science and Plant Nutrition. Volume 23 (924–937). <https://doi.org/10.1007/s42729-022-01093-3>

Reham M. Abdalla and Ahmed Damarany. 2022. Production Capacity of Seeds Affected by Green Fruit Pickings in Six Varieties of Okra (*Abelmoschus esculentus* L.). Assiut Journal of Agricultural Sciences. Volume 53 Issue (3) (101-117). DOI:10.21608/ajas.2022.134201.1134

Esraa G. Abdelmotaal, Mohamed F. Mohamed, A.G. Haridy, and **Reham M. Abdalla**. 2022. Variability, Heritability, Association and Selection Response to Bulb Weight and Storability in Egyptian Onion. Assiut Journal of Agricultural Sciences. Volume 53 Issue (3) (118-134). DOI:10.21608/ajas.2022.134534.1136

Mohamed H. Z. El-Dkeshy, H. S. Abbas, **Reham M. Abdalla**, Nada N.M. Kandeel. 2022. Evaluation of the Efficiency of Various Organic Fertilizers on the Growth and Head Yield of

Cabbage. Assiut Journal of Agricultural Sciences. Volume 53 Issue (2) (118-128).
DOI: [10.21608/AJAS.2022.125135.1104](https://doi.org/10.21608/AJAS.2022.125135.1104).

Shreen Y. Attallah, Ibtesam F.M. Badawy and **Reham M. Abdalla**. 2022. Yield, Quality, Land Equivalent Ratio, and Economic Viability of Intercropping Combinations of Summer Squash, Faba Bean and Strawberry. Assiut Journal of Agricultural Sciences. Volume 53 Issue (1): 74-89.
DOI: [10.21608/ajas.2022.120373.1093](https://doi.org/10.21608/ajas.2022.120373.1093)

Attallah, Shreen Y. and **Reham M. Abdalla**. 2021. Influence of Foliar Spray with Calcium Chloride on Growth, Yield and Quality of Lettuce (*Lactuca sativa* L.). Assiut Journal of Agricultural Sciences. Vol. 52 Issue (4):116-128. DOI: [10.21608/AJAS.2022.112176.1074](https://doi.org/10.21608/AJAS.2022.112176.1074)

Wael M. Semida, Taia A. Abd El-Mageed, **Reham M. Abdalla**, Khaulood A. Hemida, Saad. M. Howladar, Ahmed A. A. Leilah and Mohamed O. A. Rady. 2021. Sequential Antioxidants Foliar Application Can Alleviate Negative Consequences of Salinity Stress in *Vicia faba* L. Plants. Vol.10 (5): 914. doi: [10.3390/plants10050914](https://doi.org/10.3390/plants10050914)

Tantawy, I. A. A., **Reham M. Abdalla**, Ranya M. S. EL-Ashmony and A. A. Galal. 2020. Effectiveness of Peroxy Acetic Acid (PAA), Perbcarbonate (PB) and Potassium Silicate (PS) on Okra Growth, Yield and Resistance to Powdery Mildew. Journal of Plant Production, Mansoura Univ., Vol. 11 Issue (12):1417 - 1425. DOI: [10.21608/jpp.2020.149814](https://doi.org/10.21608/jpp.2020.149814)

Khaled A. Farghly, Hala H. Gomah, Mohamed M.M. Ahmed, **Reham M. Abdalla**.2020. Corn Wastes and Peanut Shell as Growing Media for Production of Red Radish Plants in Soilless System. Communications in Soil Science and Plant Analysis. Vol. 51 Issue 13: 1799-1810, <https://doi.org/10.1080/00103624.2020.1798991>.

Hala H. Gomah, Mohamed M. M. Ahmed, **Reham M. Abdalla**, Khaled A. Farghly and Mamdouh A. Eissa. 2020. Utilization of Some Organic Wastes as Growing Media for Lettuce (*Lactuca sativa* L.) Plants. Journal of Plant Nutrition. Vol. 43, NO. 14; 2092–2105. <https://doi.org/10.1080/01904167.2020.1766077>.

Reham M. Abdalla, S.Y. Attalah, Ibtesam F.M. Badawy and Suzan Abdalmajeed Aboalmajd. 2019. Effect of Plastic Mulching on Strawberry Fruit Yield and Quality. Assiut Journal of Agricultural Sciences. Vol. 50 Issue (4):126-141. Doi: [10.21608/ajas.2019.69810](https://doi.org/10.21608/ajas.2019.69810).

Reham M. Abdalla, Mohammed. H. Abul-Nasr, Nashaat. M. Kandeel, Samier Z. El-Agamy, Kaatriina Mouho, Timo Hytönen, Paula Elomaa. 2009. The effect of photoperiod and gibberellic acid on strawberry *F. vesca* var. *semperflorens* (Baron Solemacher cultivar). Assiut Journal of Agricultural Sciences. Vol. 40 Special Issue (3rd Conference of Young Scientists, Fac. of Agric. Assiut Univ. April.,28, 2009.) (97-120).

REFERENCES

All references details and contact information will be provided upon request.