

Curricula Vitae

Name: Amany Hamid Abdel Hameed Hamid Abeer

Place of birth: Riyadh, Saudi Arabia

Date of birth: 10th Sept. 1983

Address: Department of Botany and Microbiology, Faculty of Science, Assiut University, Assiut 71516, Egypt.

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Total Publications	International Publications	Scopus		Web of Science	
		H index	Total Publications	H index	Total Publications
36	34	12	29	10	24

Education:

- 1- **PhD** - (Botany - Ecology) at May 2014. Thesis title “Adjustment of internal water balance of some crop plants to the reduced soil water potential”.
- 2- **MSc** - (Botany – Plant Physiology) at May 2010. Thesis title “Induction and enrichment of heterocyst formation for hydrogenase activity in Nostoc sp. SAG2306”.
- 3- **BSc** - Science, specialization of botany with a general grade of very good, Faculty of science, Assiut University.

Positions:

- 1- **Assistant Professor** (Apr 2021) - Dept Botany and Microbiology, Faculty of Science, Assiut University, Assiut, Egypt.
- 2- **Lecturer** (Jun 2014) - Dept Botany and Microbiology, Faculty of Science, Assiut University, Assiut, Egypt.
- 3- **Lecturer Assistant** (Jun 2010) - Dept Botany and Microbiology, Faculty of Science, Assiut University, Assiut, Egypt.
- 4- **Instructor** (Nov 2004) - Dept Botany and Microbiology, Faculty of Science, Assiut University, Egypt

Main Research or Technology Topics:

Abiotic stresses; Heavy metal stress, Phytoremediation, drought stress, salinity stress, Plant biochemistry, Antioxidants.

Training:

- 1- Workshop entitled “Gene cloning (Recombinant DNA technology)” The molecular biology research unit, Assiut University, Assiut. 19-21/4/2016
- 2- Workshop entitled “Recent advanced techniques for general analysis and green technology, Drug research center.16/10/2019
- 3- Workshop entitled “Biodiversity of aquatic fungi” Assiut university Mycological center (AUMC). 12-16/11/2017
- 4- An introductory in “International plant genetics and genomics symposium IPGG”. Faculty of Agriculture, Assiut University.14-15/10/2019
- 5- CABI Online-platformwebinar “How to write professional review reports”. Organized in collaboration with the Egyptian knowledge bank. Wednesday, December 14, 2022
- 6- CABI Online-platformwebinar “How to write professional response to reviewers”. Organized in collaboration with the Egyptian knowledge bank. Wednesday, December 21, 2022
- 7- Workshop entitled “Grants and Research Projects Workshop”. Technology Innovation Commercialization Office (TICO - Assiut University). Academy of Scientific Research and Technology (ASRT). Ministry of High Education. 5th October 2022.
- 8- workshop entitled “Research Books Classifications and Methods”. IFAD - Scholars and Academics Platform licensed with (200186783) certify. 31 May, 2023
- 9- scientific webinar entitled “Methods of publishing in indexed journals: Scopus database”. IFAD - Scholars and Academics Platform licensed with (200186783) certify. 16 May, 2023
- 10- webinar entitled “Milestones in the path of scientific research”. IFAD - Scholars and Academics Platform licensed with (200186783) certify. 28 May, 2023
- 11- webinar entitled “Writing research and documenting references according to the method and standards of APA Seventh Edition – Practical workshop”. IFAD - Scholars and Academics Platform licensed with (200186783) certify. 16 July, 2023

Memberships:

Egyptian Botanical Society

Projects & Research Grants:

A member of the research team of “Biological production of hydrogen fuel and environment” Project No. 972 from STDF in Assiut University, Egypt. **2008 -2010**

Recent Relevant Publications:

- 1- **El-Sharkawi, H.M.; Abdel-Hameed, A.H. and Gameh, M.** (2013): Adjustment of internal water balance in two soybean cultivars to reduced soil water potential. Ass. Univ. Bull. Environ. Res. 16:71-91.

- 2- **El-Sharkawi, H.M.; Abdel-Hameed, A.H. and Gameh, M.** (2013): The role of some metabolites in osmotic adjustment to reduced matric and osmotic water potential in two soybean cultivars. *Ass. Univ. Bull. Environ. Res.* 16:93-111.
- 3- **Eissa, Mamdouh A., and Amany HA Abeed.** "Growth and biochemical changes in quail bush (*Atriplex lentiformis* (Torr.) S. Wats) under Cd stress." *Environmental Science and Pollution Research* 26.1 (2019): 628-635.
- 4- **Yousef, Naiema, Asmaa Mawad, and Amany Abeed.** "Enhancement the cellulase activity induced by endophytic bacteria using calcium nanoparticles." *Current microbiology* 76.3 (2019): 346-354.
- 5- **Dawood, M. F., Abeed, A. H., & Aldaby, E. E.** (2019). Titanium dioxide nanoparticles model growth kinetic traits of some wheat cultivars under different water regimes. *Plant Physiology Reports*, 24(1), 129-140.
- 6- **Abeed, A. H.,** and M. F. Dawood. "Comparative impact of different iso-osmotic solutions on osmotic adjustment in *Gossypium barbadense*." *Global Nest J* 22, no. 1 (2020): 75-84. <https://doi.org/10.30955/gnj.003106>
- 7- **Dawood, Mona FA, and Amany HA Abeed.** "Spermine-priming restrained water relations and biochemical deteriorations prompted by water deficit on two soybean cultivars." *Heliyon* 6.5 (2020): e04038.
- 8- **Abeed, Amany HA, Mamdouh Alsayed Eissa, and Dalia A. Abdel-Wahab.** "Effect of Exogenously Applied Jasmonic Acid and Kinetin on Drought Tolerance of Wheat Cultivars Based on Morpho-Physiological Evaluation." *Journal of Soil Science and Plant Nutrition* (2020): 1-14. <https://doi.org/10.1007/s42729-020-00348-1>
- 9- **Zheli Ding, Esmat F. Ali; Yaser A. Almaroai, Mamdouh A. Eissa, and Amany H. A. Abeed.** Effect of potassium solubilizing bacteria and humic acid on faba bean (*Vicia faba* L.) plants grown on sandy loam soils. *Journal of Soil Science and Plant Nutrition* (2020): Accepted 21 December 2020
- 10- **Farghali, K., El-Sharkawi, H. M., Abeed, A. H. A. Abdel-Aal, A.** (2022). 'Seasonal behavior of chlorophyll in some shrubs grown under mesic and xeric habitat conditions', *Assiut University Journal of Multidisciplinary Scientific Research*, 51(3), pp. 242-267. doi: 10.21608/aunj.2022.135980.1009
- 11- **Abeed, A. H., Mahdy, R. E., Alshehri, D., Hammami, I., Eissa, M. A., Abdel Latef, A. A., & Mahmoud, G. A.** (2022). Induction of resilience strategies against biochemical deteriorations prompted by severe cadmium stress in sunflower plant when *Trichoderma* and bacterial inoculation were used as biofertilizers. *Frontiers in Plant Science*. <https://doi.org/10.3389/fpls.2022.1004173>
- 12- **Salama FM, AL-Huqail AA, Ali M, Abeed AHA.** Cd Phytoextraction Potential in Halophyte *Salicornia fruticosa*: Salinity Impact. *Plants*. 2022; 11(19):2556. <https://doi.org/10.3390/plants11192556>
- 13- **Abeed, A.H.A., Salama, F.M.** (2022). Attenuating Effect of an Extract of Cd-Hyperaccumulator *Solanum nigrum* on the Growth and Physio-chemical Changes of *Datura innoxia* Under Cd Stress. *J Soil Sci Plant Nutr.* (22). <https://doi.org/10.1007/s42729-022-00966-x>
- 14- **Mahdy RE, Althagafi ZMA, Al-Zahrani RM, Aloufi HHK, Alsalmi RA, Abeed AHA, Mahdy EE, Tammam SA.** Comparison of Desired-Genetic-Gain Selection Indices in Late Generations as an Insight on Superior-Family Formation in Bread Wheat (*Triticum aestivum* L.). *Agronomy*. 2022; 12(8):1738. <https://doi.org/10.3390/agronomy12081738>

- 15- **Abeed, A.H.A., Ali, M., Eissa, M.A.** et al. Impact of sewage water irrigation on *Datura innoxia* grown in sandy loam soil. *BMC Plant Biol* 22, 559 (2022). <https://doi.org/10.1186/s12870-022-03935-9>
- 16- **Morsy, F. M., Hamid, A., & Abdel-Basset, R.** (2010). ENRICHMENT OF HETEROCYST FREQUENCY IN A NEW ISOLATE OF NOSTOC SP SAG 2306 BY 2, 4 DICHLOROPHENOXYACETIC ACID AND ITS SUBSEQUENT IMPACT ON MODULATING PHOTOSYNTHESIS/RESPIRATION RATIO AND HYDROGENASES ACTIVITIES. *Egyptian Journal of Phycology*, 11(Second International Conference on Phycology, Limnology and Aquatic Sciences (February 14-15, 2010)), 27-48. <https://doi.org/10.21608/egyjs.2010.114884>
- 17- **Abeed, A.H.A., Tammam, S.A. & El-Mahdy, M.T.** Hydrogen peroxide pretreatment assisted phytoremediation of sodium dodecyl sulfate by *Juncus acutus* L. *BMC Plant Biol* 22, 591 (2022). <https://doi.org/10.1186/s12870-022-03984-0>
- 18- **Fawzy Mahmoud Salama, Monier Mohamed Abd El-Ghani, Suzan Abd El-Monem, Sayed, Amany Hamid Abdel Hameed Abeed, Alaa Ahmed Kotp and Dalia, Ahmed Mohamed Abd El-Wahab** (2021). In vitro anticancer and antioxidant potency of leaves extract of *Ochradenus baccatus* Delile. *BIOSCIENCE RESEARCH*, 18(1): 77-89. [https://www.isisn.org/BR18\(1\)2021/77-89-18\(1\)2021BR20-475.pdf](https://www.isisn.org/BR18(1)2021/77-89-18(1)2021BR20-475.pdf)
- 19- **Abeed AHA, Ali M, Ali EF, Majrashi A, Eissa MA.** Induction of *Catharanthus roseus* Secondary Metabolites When *Calotropis procera* Was Used as Bio-Stimulant. *Plants*. 2021; 10(8):1623. <https://doi.org/10.3390/plants10081623>
- 20- **Li J, Chang Y, AL-Huqail AA, Ding Z, Al-Harbi MS, Ali EF, Abeed AHA, Rekaby SA, Eissa MA, Ghoneim AM, Tammam SA.** Effect of Manure and Compost on the Phytostabilization Potential of Heavy Metals by the Halophytic Plant Wavy-Leaved Saltbush. *Plants*. 2021; 10(10):2176. <https://doi.org/10.3390/plants10102176>
- 21- **Al-Huqail, A. A., Eissa, M. A., Ghoneim, A. M., Alsalmi, R. A., Al Thagafi, Z. M., Abeed, A. H., & Tammam, S. A.** (2023). Phytoremediation of dinitrophenol from wastewater by *atriplex lentiformis*: effect of salicylic acid. *International Journal of Phytoremediation*, 1-9. <https://doi.org/10.1080/15226514.2023.2175779>
- 22- **ul Aibdin Z, Nafees M, Rizwan M, Ahmad S, Ali S, Obaid WA, Alsubeie MS, Darwish DBE and Abeed AHA** (2023) Combined effect of Zinc lysine and biochar on growth and physiology of wheat (*Triticum aestivum* L.) to alleviate salinity stress. *Front. Plant Sci.* 13:1017282. <https://doi: 10.3389/fpls.2022.1017282>
- 23- **Alshegaihi, R. M., Mfarrej, M. F. B., Saleem, M. H., Parveen, A., Ahmad, K. S., Ali, B., ... & Soudy, F. A.** (2023). Effective citric acid and EDTA treatments in cadmium stress tolerance in pepper (*Capsicum annuum* L.) seedlings by regulating specific gene expression. *South African Journal of Botany*, 159, 367-380. <https://doi.org/10.1016/j.sajb.2023.06.024>
- 24- **Abeed, A. H., Saleem, M. H., Asghar, M. A., Mumtaz, S., Ameer, A., Ali, B., ... & Soudy, F. A.** (2023). Ameliorative Effects of Exogenous Potassium Nitrate on Antioxidant Defense System and Mineral Nutrient Uptake in Radish (*Raphanus sativus* L.) under Salinity Stress. *ACS Omega*. <https://doi.org/10.1021/acsomega.3c01039>
- 25- **Al-Huqail, A. A., Alshehri, D., Nawaz, R., Irshad, M. A., Iftikhar, A., Hussaini, K. M., ... & Abeed, A. H.** (2023). The effect of gibberellic acid on wheat growth, and nutrient uptake under combined stress of cerium, zinc and titanium dioxide nanoparticles. *Chemosphere*, 139199. <https://doi.org/10.1016/j.chemosphere.2023.139199>

- 26- Ahmed, T., Masood, H. A., Noman, M., AL-Huqail, A. A., Alghanem, S. M., Khan, M. M., ... & Li, B. (2023). Biogenic silicon nanoparticles mitigate cadmium (Cd) toxicity in rapeseed (*Brassica napus* L.) by modulating the cellular oxidative stress metabolism and reducing Cd translocation. *Journal of Hazardous Materials*, 132070. <https://doi.org/10.1016/j.jhazmat.2023.132070>
- 27- (2023). Zinc oxide nanoparticles mitigated the arsenic induced oxidative stress through modulation of physio-biochemical aspects and nutritional ions homeostasis in rice (*Oryza sativa* L.). *Chemosphere*. <https://doi.org/10.1016/j.chemosphere.2023.139566>
- 28- AL-Huqail, A. A., Rizwan, A., Zia-ur-Rehman, M., Al-Haithloul, H. A. S., Alghanem, S. M. S., Usman, M., ... & Abeed, A. A. (2023). Effect of exogenous application of biogenic silicon sources on growth, yield, and ionic homeostasis of maize (*Zea mays* L.) crops cultivated in alkaline soil. *Chemosphere*, 140019. <https://doi.org/10.1016/j.chemosphere.2023.140019>
- 29- Abeed, A. H., AL-Huqail, A. A., Albalawi, S., Alghamdi, S. A., Ali, B., Alghanem, S. M., ... & El-Mahdy, M. T. (2023). Calcium nanoparticles mitigate severe salt stress in *Solanum lycopersicon* by instigating the antioxidant defense system and renovating the protein profile. *South African Journal of Botany*, 161, 36-52. <https://doi.org/10.1016/j.sajb.2023.08.005>
- 30- Masood, N., Irshad, M. A., Nawaz, R., Abbas, T., Abdel-Maksoud, M. A., AlQahtani, W. H., ... & Abeed, A. H. (2023). Green synthesis, characterization and adsorption of chromium and cadmium from wastewater using cerium oxide nanoparticles; reaction kinetics study. *Journal of Molecular Structure*, 136563. <https://doi.org/10.1016/j.molstruc.2023.136563>
- 31- Al-Huqail, A. A., Alghanem, S. M. S., Abbas, Z. K., Al Aboud, N. M., Masood, N., Irshad, M. A., ... & Darwish, D. B. E. (2023). Evaluation of nanoceria on cadmium uptake in *Triticum aestivum* (L.) and its implications for dietary health risk. *Chemosphere*, 140115. <https://doi.org/10.1016/j.chemosphere.2023.140115>
- 32- Raza, S., Zia-ur-Rehman, M., Alghamdi, S. A., Alghanem, S. M. S., Usman, M., Ahmed, R., ... & Al-Haithloul, H. A. S. (2023). Effects of zinc-enriched amino acids on rice plants (*Oryza sativa* L.) for adaptation in saline-sodic soil conditions: Growth, nutrient uptake and biofortification of zinc. *South African Journal of Botany*, 162, 370-380. <https://doi.org/10.1016/j.sajb.2023.09.011>
- 33- Hussein, A. S., Abeed, A. H., Usman, A. R., & Abou-Zaid, E. A. (2023). Conventional vs. nano-micronutrients as foliar fertilization for enhancing the quality and nutritional status of pomegranate fruits. *Journal of the Saudi Society of Agricultural Sciences*. <https://doi.org/10.1016/j.jssas.2023.09.008>
- 34- Irshad, .A., Sattar, S., AL-Huqail, A.A. *et al.* Green synthesis and characterization of silver and copper nanoparticles and their use as an effective adsorbent for chromium removal and recovery from wastewater. *Environ Sci Pollut Res* (2023). <https://doi.org/10.1007/s11356-023-30141-3>
- 35- Ali, A., Alghanem, S. M. S., Al-Haithloul, H. A. S., Muzammil, S., Adrees, M., Irfan, E., ... & Abeed, A. H. (2023). Co-application of copper nanoparticles and metal tolerant *Bacillus* sp. for improving growth of spinach plants in chromium contaminated soil. *Chemosphere*, 345, 140495. <https://doi.org/10.1016/j.chemosphere.2023.140495>

36- Alwutayd, K. M., Alghanem, S. M. S., Alwutayd, R., Alghamdi, S. A., Alabdallah, N. M., Al-Qthanin, R. N., ... & Abeed, A. H. (2023). Mitigating chromium toxicity in rice (*Oryza sativa* L.) via ABA and 6-BAP: Unveiling synergistic benefits on morphophysiological traits and ASA-GSH cycle. *Science of The Total Environment*, 168208. <https://doi.org/10.1016/j.scitotenv.2023.168208>

The distribution of published papers in the different international journals

NO.	Journal Title	No. of Papers	Impact Factor	Quartile	Publisher
1	GLOBAL NEST JOURNAL	1	0.19	Q4	GLOBAL NETWORK ENVIRONMENTAL SCIENCE & TECHNOLOGY
2	BIOSCIENCE RESEARCH	1		Q4	INNOVATIVE SCIENTIFIC INFORMATION & SERVICES NETWORK
3	Current Microbiology	1	0.41	Q4	Springer
4	HELIYON	1	0.72	Q2	ELSEVIER
5	Frontiers in Plant Science	2	6.63	Q1	FRONTIERS MEDIA SA
6	BMC Plant Biology	2	5.26	Q1	Springer
7	Environmental Science and Pollution Research	2	5.19	Q2	Springer
8	Plants	3	4.5	Q1	Switzerland
9	Journal of Soil Science and Plant Nutrition	3	3.87	Q1	Springer
10	Agronomy	1	3.95	Q1	Switzerland
11	Chemosphere	5	8.8	Q1	ELSEVIER
12	South African Journal of Botany	3	3.1	Q2	ELSEVIER
13	Journal of Hazardous Materials	1	13.4	Q1	ELSEVIER
14	ACS omega	1	4.1	Q2	ACS
15	International Journal of Phytoremediation	1	4.00	Q2	Taylor & Francis
16	Journal of the Saudi Society of Agricultural Sciences	1		Q1 in scopus	ELSEVIER
17	Journal of Molecular Structure	1	3.8	Q2	ELSEVIER
18	Science of The Total Environment	1	9.8	Q1	ELSEVIER

39 peer review records of 32 manuscripts

Journal	Reviewing times
Agriculture	2
Agronomy	6
Asian Food Science Journal	1
Asian Journal of Research in Agriculture and Forestry.	1
Biology.	2
BMC plant biology	2
Egyptian Journal of Botany	4
Frontiers in Plant Science	2
Heliyon	7
International Journal of Environment and Climate Change	1
International journal of environmental research and public health	2
International journal of molecular sciences.	2
International journal of plant and soil science	1
Journal of soil science and plant nutrition.	5
Photosynthetica.	3
Plant Cell Biotechnology and Molecular Biology.	1
Scientific reports	2
Soil systems	3
Sustainability	3