

CURRICULUM VITAE

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Date of Birth: 7 May 1984

Marital status: Married

Nationality: Egyptian

Qualifications:

1. **B.Sc.** with "Distinction First Class Honour" in Botany, Mansoura University, Mansoura, Egypt, **2005**.
2. **MSc. Title:** "Ecological Studies on Some Non-Conventional Forage Weeds in Nile Delta, Egypt", Faculty of Science, Mansoura University, Mansoura, Egypt, **2008**.
3. **Ph.D. Title:** "Weeds and Invasive Plants in some Newly Reclaimed Areas in Egypt: Ecology, Allelopathy and Economic Potentialities", Faculty of Science, Mansoura University, Mansoura, Egypt, **2011**.

Employment History

Institution	Title	Date
Associate Professor	Plant Production Department, College of Food and Agricultural Sciences, King Saud University, Saudi Arabia	Nov. 2018-till now
Postdoctoral Fellow	Department of Agricultural Sciences, University of Naples Federico II, Naples, Italy	Jan. 2017 – May 2017
Associate Professor	Botany Department, Faculty of Science, Mansoura University, Mansoura, Egypt	2016-till now
Postdoctoral Fellow	Department of Agricultural Sciences, University of Naples Federico II, Naples, Italy	Jan. 2016 – Jul. 2016

Assistant Professor	Botany Department, Faculty of Science, Mansoura University, Mansoura, Egypt	2011-2016
Assistant Lecturer	Botany Department, Faculty of Science, Mansoura University, Mansoura, Egypt	2008-2011
Demonstrator	Botany Department, Faculty of Science, Mansoura University, Mansoura, Egypt	2005-2008

Research Area Plant Ecology, Plant Ecophysiology, Plant-Plant Interactions, Plant Facilitation, Plant Conservation, Allelopathy, Weed Ecology, Invasive Plants, Plant Signalling, Phytotoxicity Dynamics.

Language:

Language	Reading	Writing	Speaking
English (IELTS)	V. Good	V. Good	Good
Arabic	Excellent	Excellent	Excellent

Teaching Experience: I teach the following courses:

Ecosystem - Plant Taxonomy – Plant Conservation - Plant Ecology – Soil - Biodiversity - Plant Morphology - Flora of Egypt - Mycology - Systematic Botany - Plant Anatomy - Ecological Technology – Ecological Sustainable Management.

Supervised Theses

I co-supervised several Ph.D. and M.Sc. students from Egypt, Yemen, Libya, and Iraq.

Conferences and Workshops:

- Practical uses of databases in scientific research – Workshop, King Saud University, Riyadh, Saudi Arabia, 21st February **2019**,
- 8th International Conference on Water Resources and Arid Environments – King Saud University, Riyadh, Saudi Arabia, 22-24 January **2019**.
- Sixth International Conference of Biological and Environmental Sciences - Botany Department, Mansoura University, Egypt, 22-26 March **2018**.
- The Academy of Developing a Successful Journal by Nature Research ACADEMIES - Faculty of Science – Mansoura University, Egypt – 16th March **2018**.
- The 12th International Conference on Chemistry and Its Role in Development - Chemistry Department, Mansoura University, Egypt, 16-20 March **2015**.
- Proposal Writing Post Docs. Of the further domain “Programme Preparation” within the DAAD Kairo Akademie on 9th of April **2014**. Mansoura University, Egypt.
- Fourth International Conference of Biological and Environmental Sciences - Botany Department, Mansoura University, Egypt, 24-28 March **2014**.

- The 11th International Symposium on Biocontrol and Biotechnology. October 1-4, **2013**, Alexandria – Egypt.
- Third International Conference of Biotechnology and its Applications in Botany and Microbiology - Botany and Microbiology Department - Helwan University in co-operation with Egyptian Botanical Society. April, 17-18 **2013**.
- Third International Conference of Biological and Environmental Sciences - Botany Department - Mansoura University - Egypt. 20-24 Mar. **2012**.
- First Environmental Festival – Faculty of Science - Mansoura University - Egypt. 2-12 April **2012**.
- Fulbrighters Face Egypt's Scientific Challenges - Alexandria-Burg Al-Arab - The Binational Fulbright Commission in Egypt & The City of Scientific and Technology Applications. 7 Jul **2011**.
- Second International Conference of Biological and Environmental Sciences - Botany Department - Mansoura University - Egypt. 15-20 Mar. **2010**.
- First International Conference of Biological and Environmental Sciences - Botany Department - Mansoura University - Egypt. 1-3 Mar. **2008**.

Membership of Professional Societies:

- Academic Member of the Athens Institute for Education and Research, *Greece*
- Egyptian Botanical Society, *Egypt*
- Egyptian Society for Environmental Sciences, *Egypt*
- The Egyptian Society of Experimental Biology, *Egypt*

Editorial Board Member:

- Journal of Agriculture Biotechnology
- Region - Environmental Research and Public Health

Peer Reviewer for Academic Journals and Publishers:

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|---|---|
| ▪ Acta Physiologiae Plantarum | ▪ Journal of Agricultural Science and Technology |
| ▪ African Journal of Pharmacy And Pharmacology | ▪ Journal of Essential Oil Bearing Plants |
| ▪ Archives of Agronomy and Soil Science | ▪ Nordic Journal of Botany |
| ▪ Canadian Journal of Plant Science | ▪ VEGETOS: An International Journal of Plant Research |
| ▪ Chemistry & Biodiversity | ▪ Scientia Horticulturae |
| ▪ CABI (Centre for Agriculture and Biosciences International) | ▪ Industrial Crops & Products |
| ▪ HELIYON | ▪ Athens Journal of Sciences |

List of Publications

1. **Abd El-Gawad, A.M.**, Elshamy, A., El Gendy, A., Gaara, A., Assaeed, A. (2019). Volatiles profiling, allelopathic activity, and antioxidant potentiality of *Xanthium strumarium* leaves essential oil from Egypt: Evidence from chemometrics analysis. *Molecules*, 24: 584. [\(IF₂₀₁₇: 3.10\)](#)
2. Elshamy, A., **Abd-ElGawad, A.M.**, El Gendy, A., Assaeed, A. (2019). Chemical characterization of *Euphorbia heterophylla* L. essential oils and their antioxidant activity and allelopathic potential on *Cenchrus echinatus* L. *Chemistry & Biodiversity*, 16: e1900051 [\(IF₂₀₁₇: 1.62\)](#)
3. Bonanomi, G., Incerti, G., **Abd El-Gawad, A.M.**, Cesarano, G., Sarker, T.S, Saulino, L., Saracino, A., Rego, F.C. and Mazzoleni, S. (2018). Comparing chemistry and bioactivity of burned versus decomposed plant litter: different pathways but same result? *Ecology*, 99(10): 158-171. [\(IF₂₀₁₇: 4.62\)](#)
4. Incerti, G., Carteni, F., Cesarano, G., Sarker, T.C., **Abd El-Gawad, A.M.**, D'Ascoli, R., Bonanomi, G., and Giannino, F. (2018). Faster N Release, but Not C Loss, from Leaf Litter of Invasives Compared to Native Species in Mediterranean Ecosystems. *Frontiers in Plant Science*, 9:534. [\(IF₂₀₁₇: 3.68\)](#)
5. **Abd El-Gawad, A.M.**, El-Amier, Y.A. and Bonanomi, G. (2018). Essential oil composition, antioxidant and allelopathic activities of *Cleome droserifolia* (Forssk.) Delile. *Chemistry & Biodiversity*, 15(12) e1800392 [\(IF₂₀₁₇: 1.62\)](#)
6. Bonanomi, G., Incerti, G., **Abd El-Gawad, A.M.**, Sarker, T.C., Stinca, A., Motti, R., Cesarano, G., Teobaldelli, M., Saulino, L., Cona, F., Chirico, G.B., Mazzoleni, S., and Saracino A. (2018). Windstorm disturbance triggers multiple species invasion in a Mediterranean forest. *iForest - Biogeosciences and Forestry*, 11(1): 64-71. [\(IF₂₀₁₇: 1.25\)](#)
7. **Abd El-Gawad, A.M.**, El-Amier, Y.A. and Bonanomi, G. (2018). Allelopathic activity and chemical composition of *Rhynchosia minima* (L.) DC. essential oil from Egypt. *Chemistry & Biodiversity*, 15:(1) e1700438 [\(IF₂₀₁₇: 1.62\)](#)
8. El-Shora, H.M., Abd El-Gawad, A.M., El-Shobaky, A.M., Taha, H.T. (2018). Influence of *Datura stramonium* leaf extract on antioxidants and activities of metabolic enzymes of *Trigonella foenum-graecum* and *Lepidium sativum*. *International Journal of Current Research and Academic Review*, 6: 1-11.
9. Mashaly, I.M., **Abd El-Gawad, A.M.**, Abu Ziada, M.E., Deweeb, M.R. (2018). Ecological study on three *Plantago* species and their associates in Nile Delta region. *CATRINA*, 15 (In Press)
10. **Abd El-Gawad, A.M.**, Zotti, M., Sarker, T.C., Mazzoleni, S., Bonanomi, G. (2017). Does a plant detect their neighbors is kin or stranger? Evidence from a common garden experiment.

Community Ecology, 18(3): 305-310. (IF₂₀₁₆: 0.78)

11. El Gendy, A.G., **Abd El-Gawad, A.M.**, Taher, R.F., El-Khrisy, E.A. and Elshamy, A.I (2017). Essential oils constituents of aerial parts of *Cyperus capitatus* L. and *Cyperus difformis* L. grown wild in Egypt. *Journal of Essential Oil Bearing Plants*, 20(6): 1659-1665. (IF₂₀₁₆: 0.49)
12. **Abd El-Gawad, A.M.** and El-Shora, H.M. (2017). Assessment of allelopathic potential of *Hyoscyamus muticus* L. on antioxidant system and nucleic acids of purslane. *Fresenius Environmental Bulletin*, 26(3): 2147-2155. (IF₂₀₁₆: 0.43)
13. Sarker, T.S., Azam, S, **Abd El-Gawad, A.M.**, Gaglione, S.A. and Bonanomi, G. (2017). Sugarcane bagasse: A potential low-cost biosorbent for the removal of hazardous materials. *Clean Technologies and Environmental Policy*, 19(10): 2343-2362. (IF₂₀₁₆: 3.33)
14. Abdallah, H.M., Elshamy, A.I., El Gendy, A.G., **Abd El-Gawad, A.M.**, Omer, E.A., De Leo, M. and Pistelli, L. (2017). Anti-inflammatory, antipyretic, and antinociceptive effects of a *Cressa cretica* aqueous extract. *Planta Medica*, 83(17), 1313-1320. (IF₂₀₁₆: 2.34)
15. **Abd El-Gawad, A.M.** and El-Amier, Y.A. and (2017). Anatomical features of three perennial swampy plants of Poaceae grown on the water stream banks in Nile Delta, Egypt. *Journal of Medicinal Botany*, 1: 58-64.
16. El-Amier, Y.A. and **Abd El-Gawad, A.M.** (2017). Plant communities along the international coastal highway of Nile delta, Egypt. *Journal of Scientific Agriculture*, 1: 117-131.
17. El-Amier, Y.A. and **Abd El-Gawad, A.M.** (2017). Anatomical investigation of three emergent *Cyperus* species growing naturally on the canal banks of the Nile delta, Egypt. *Journal of Scientific Agriculture*, 1: 294-299.
18. **Abd El-Gawad, A.M.** (2016). Chemical constituents, antioxidant and potential allelopathic effect of the essential oil from the aerial parts of *Cullen plicata*. *Industrial Crops and Products*, 80: 36-41. (IF₂₀₁₅: 3.45)
19. **Abd El-Gawad, A.M.**, El Gendy, A.G., Elshamy, A.I. and Omer, E.A. (2016). Chemical composition of the essential oil of *Trianthema portulacastrum* L. aerial parts and potential antimicrobial and phytotoxic activities of its extract. *Journal of Essential Oil Bearing Plants*, 19(7): 1684-1692 (IF₂₀₁₅: 0.31)
20. El-Amier, Y.A. and **Abd El-Gawad, A.M.** (2016). Assessing the Sediment Pollution using Heavy Metals Indices in the Nile River Branches in Egypt. *Journal of Environmental Science and Pollution Research*, 40(2): 105-120.
21. Mashaly, I.A., **Abd El-Gawad, A.M.** and Al-Barati S.A. (2016). Floristic feature of orchards in the newly reclaimed areas of Nile delta, Egypt. *Mansoura Journal of Biology*, 2(3): 107-112.

22. **Abd El-Gawad, A.M.** and El-Amier, Y.A. (2015). Allelopathy and potential impact of invasive *Acacia saligna* (Labill.) Wendl. on plant diversity in the Nile Delta coast of Egypt. *International Journal of Environmental Research*, 9(3):923-932. (IF₂₀₁₄: 1.82)
23. El-Shora, H.M. and **Abd El-Gawad, A.M.** (2015). Physiological and biochemical responses of *Cucurbita pepo* L. mediated by *Portulaca oleracea* L. allelopathy. *Fresenius Environmental Bulletin*, 24(1): 386-393. (IF₂₀₁₄: 0.38)
24. El-Shora, H.M. and **Abd El-Gawad, A.M.** (2015). Response of *Cicer arietinum* L. to allelopathic effect of *Portulaca oleracea* L. root extract. *PHYTON, Annales Rei Botanicae*, 55(2): 215-232. (IF₂₀₁₄: 0.53)
25. **Abd El-Gawad, A.M.**, Mashaly, I.A. and Al-Nafie, R.I. (2015). Antioxidant activity and allelopathic potential of five wild plants on germination and growth of *Bidens pilosa* L. *International Journal of Current Research*, 7(10): 21019-21024.
26. **Abd El-Gawad, A.M.**, Mashaly, I.A., Abu Ziada, M.E., and Doweib, M.R. (2015). Phytotoxicity of three *Plantago* species on germination and seedling growth of hairy beggarticks (*Bidens pilosa* L.). *Egyptian Journal of Basic and Applied Sciences*, 2(4): 303-309.
27. Khedr, A.A., Tantawy, S.A., **Abd El-Gawad, A.M.** and Mashaly, M.I. (2015). Impact of ecological factors on seasonal variations of some helminth parasites infecting *Tilapia zilli*, Egypt. *Journal of Environmental Sciences*, 44(1): 93-111.
28. Abu Ziada, M.E., Mashaly, I.A., **Abd El-Gawad, A.M.** and Doweib, M.R. (2015). Floristic features of three *Plantago* species communities in the Nile Delta, Egypt. *Journal of Environmental Sciences*, 44(3): 427-441.
29. **Abd El-Gawad, A.M.** (2014). Ecology and allelopathic control of *Brassica tournefortii* Gouan in, Nile Delta reclaimed areas, Egypt. *Turkish Journal of Botany*, 38: 347-357. (IF₂₀₁₃: 1.60)
30. Barakat, N.A., **Abd El-Gawad, A.M.**, Laudadio, V., Kabiell, H.F., Tufarelli, V. and Cazzato, E. (2014). A contribution to the ecology and floristic markers of plant associations in different habitats of Sinai Peninsula, Egypt. *Rendiconti Lincei. Scienze Fisiche e Naturali*, 25: 1-12 (IF₂₀₁₃: 0.76)
31. El-Shora, H.M. and **Abd El-Gawad, A.M.** (2014). Evaluation of allelopathic effect of white Lupine (*Lupinus termis* L.) leaf extract on the biochemical dynamics of common purslane (*Portulaca oleracea* L.). *Egyptian Journal of Botany*, 54(2): 317-332.
32. El-Shora, H.M. and **Abd El-Gawad, A.M.** (2014). Environmental toxicity of arsenic on lupine (*Lupinus termis* L.) as C₃ crop plant and possible alleviation. *International Journal of Agriculture and Crop Sciences*, 7(10), 687-692.

33. **Abd El-Gawad, A.M.** and Shehta, H.F. (2014). Ecology and development of *Mesembryanthemum crystallinum* (Aizoaceae) in the deltaic Mediterranean coast of Egypt. *Egyptian Journal of Basic and Applied Sciences*, 1(1): 29-37.
34. El-Shora, H.M. and **Abd El-Gawad, A.M.** (2014). Evaluation of allelopathic potential of root extract of *Rumex dentatus* and allelochemicals on *Cicer arietinum*. *Journal of Stress Physiology & Biochemistry*, 10(1): 167-180.
35. **Abd El-Gawad, A.M.**; El-Habashy, I.E.; El-Halawany, E.F. and Nouman, A.T. (2014). Ecology of some species from family Convolvulaceae in the Nile Delta, Egypt. *Journal of Environmental Sciences*, 43(3): 431-445.
36. Abu Ziada, M.E.; Mashaly, I.A.; **Abd El-Gawad, A.M.** and Asmeda, A.A. (2014) Ecology and phytochemistry of *Lamium amplexicaule* L. *Journal of Environmental Sciences*, 43(3): 311-327.
37. Zahran, M.A.; Ahmed, A.M.; **Abd El-Gawad, A.M.** and Shawky, R.A. (2013). Vegetation-soil relationship of Mediterranean coastal desert at Sidi Abd El-Rahman area, Egypt. *Egyptian Journal of Botany*, 53(2): 385-398.
38. Mashaly, I.A; El-Halawany, E.F. and **Abd El-Gawad, A.M.** (2011). Ecology of weeds and invasive plant species in the newly reclaimed areas of Nile Delta, Egypt. *Journal of Environmental Sciences*, 40: 69-90.
39. Mashaly, I.A; El-Halawany, E.F. and **Abd El-Gawad, A.M.** (2007). Fodder potentiality and ecology of some non-conventional forage weeds in the Nile Delta region, Egypt. *Egyptian Journal of Botany*, 47: 119-142.

Books

1. **Abd El-Gawad, A.M.**, Mashaly, I.A., El-Halawany, E.F. (2014). Ecology of Some Non-Conventional Forage Weeds in Nile Delta, Egypt. LAP LAMBERT Academic Publishing, Germany. ISBN: 978-3-659-52888-0.
2. **Abd El-Gawad, A.M.**, Mashaly, I.A., El-Halawany, E.F. (2015). Plant Life in the reclaimed areas of the Nile Delta of Egypt. SCHOLAR'S PRESS, Verlag, Germany. ISBN: 978-3-639-86107-5.

References:

- **Prof. Dr. Stefano Mazzoleni**
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