

# Ahmed Amro

## Profile

### Ahmed Mohamed Abdel Rahman Mohamed Amro

Lecturer of Plant Ecology at Botany and Microbiology Department,  
Faculty of Science, Assiut University, Assiut EGYPT, 71516

**Gender:** Male. **Date of Birth:** 7 Nov, 1981

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## Academic Degrees

1. **B.Sc. (Botany) at July 2003** from Botany Department, Faculty of Science, Assiut Univ. Egypt.
2. **M.Sc. (Botany - Ecology)** at September 2010. Thesis title **“Capacity of Some Emergent Hydrophytes (Helophytes) to Treat Wastewater in Assiut Province”**
3. **PhD (Botany - Ecology)** at June 2014. Thesis title **“Diversity and Composition of Plant Functional Groups of the Vegetation in the Southern Part of Eastern Desert, Egypt”**.

## Publication List

1. **Mahmoud O. Hassan, Suzan A. Tammam, Hanaa Kamal Galal, Samir M. Saleh, Mona Sayed, Ahmed Amro (2020):** Habitat variations affect morphological, reproductive and some metabolic traits of Mediterranean *Centaurea glomerata* Vahl populations. Heliyon. <https://doi.org/10.1016/j.heliyon.2020.e04173>
2. **Doaa S. Elazab, Mohamed Ahmed Ibrahim, Marwa T. El-Mahdy, Ahmed Amro (2020):** Citrus Leafminer Management: Jasmonic Acid versus Efficient Pesticides. Journal of Plant Growth Regulation, <https://doi.org/10.1007/s00344-020-10147-8>
3. **Taha Ramadan, Ahmed Zaher, Ahmed Amro, Raouf Sultan. (2020):** Chemical Composition and Biological Activity of Capetula and Shoots Essential Oils of *Senecio glaucus* L. Journal of Essential Oil Bearing Plants, 23 (1): 168-183
4. **Ahmed M. Zaher, Raouf Sultan, Taha Ramadan and Ahmed Amro. (2020):** New antimicrobial and cytotoxic benzofuran glucoside from *Senecio glaucus* L. Natural Product Research. <https://www.tandfonline.com/loi/gnpl20>
5. **Ahmed Sallam, Ahmed Amro, Ammar Elakhdar, Mona F. A. Dawood, Yasser S. Moursi, P. Stephen Baenziger (2019):** Marker-trait association for grain weight of spring barley in well-watered and drought environments. Molecular Biology Reports. <https://doi.org/10.1007/s11033-019-04750-6>
6. **Rasha El-Shazoly and Ahmed Amro (2019):** Comparative physiological and biochemical effects of CuO NPs and bulk CuO phytotoxicity onto the maize (*Zea mays*) seedlings. Global Nest journal, 21(3) 276-289.
7. **Fawzy Salama, Monier Abd El-Ghani, Noha El-Tayeh, Ahmed Amro, Ali Gaafar and Ayat Abd El Galil (2019):** Assessing the Role of Environmental Gradients on the Phytodiversity in Kharga Oasis of Western Desert, Egypt. Jordan Journal of Biological Sciences, 12(4): 421-434.
8. **Taha Ramadan, Ahmed Amro and Saber Alazazi (2018):** Comparative Allelopathic Potential of Ten Field Weeds against Seed Germination of three Economic Plants. Biological Forum, 10(1): 168-

9. **Mohamed Ahmed Ibrahim, Ahmed Mahmoud Mohamed, Ahmed Amro (2018):** Possible Chitin Inhibitor Effects of *Melilotus Indicus* (L.) Extraction on *Spodoptera Littoralis* (Boisduval) Under Laboratory Conditions. *Entomology and Applied Science Letters* 5(4): 112-118.
10. **Ahmed Sallam, Ahmed Amro, Ammar EL-Akhdar, Mona F. A. Dawood, Toshihiro Kumamaru, P. Stephen Baenziger (2018):** Genetic diversity and genetic variation in morpho-physiological traits to improve heat tolerance in Spring barley. <https://doi.org/10.1007/s11033-018-4410-6>
11. **Taha Ramadan, Ahmed Amro and Mahmoud S. Abd-Elmoneim (2018):** Impact of pollution on weeds phytosociology. *Egypt. J. Bot.* 58(3): 423 – 436.
12. **Fawzy Salama, Monier Abd El-Ghani, Ahmed Amro, Ali Gaafar and Ayat Abd El Galil (2018):** Vegetation Dynamics and Species Diversity in a Saharan Oasis, Egypt. *Notulae Scientia Biologicae*, 10(3):363-372. <https://doi.org/10.15835/nsb10310296>
13. **Fawzy M. Salama, Monier M. Abd El-Ghani, Noha A. El-Tayeh, Ahmed Amro, Heba S. Abdrabbu (2017):** Correlations between soil variables and weed communities in major crops of the desert reclaimed lands in southern Egypt, *Rend. Fis. Acc. Lincei*, 28: 363–378.
14. **Hoda A.M. Ahmed Ahmed Amro (2016):** Physiological and anatomical studies on certain peanut cultivars and genotypes in relation to infection to infection with root rot disease, *Journal of Phytopathology and Pest Management* 3(2): 48-59
15. **Fawzy M. Salama, Monier M. Abd El-Ghani, Noha A. El-Tayeh, Ahmad M. Amro and Heba S. Abdrabbu (2016):** Weed flora of common crops in desert reclaimed arable lands of southern Egypt , *Taekholmia*, 36, 62 – 85.
16. **Ahmed Faried, Ahmed Amro (2016):** Floristic and community structure of some irrigation and drainage canals in Assiut, Egypt, *Taekholmia* , Special Issue, 1-20
17. **Fawzy Salama Monier Abd El-Ghani Mohamed Gadallah Salah El-Naggar Ahmed Amro (2016):** Diversity and responses of plant functional groups to soil variables in the arid desert landscape of southern Egypt, *Journal of Biodiversity and Ecological Sciences*, Vol. 5, Issue 1, 24 - 39
18. **Fawzy SALAMA,, Monier ABD EL-GHANI, Mohamed GADALLAH, Salah EL-NAGGAR, Ahmed AMRO,** Characteristics of desert vegetation along four transects in the arid environment of southern Egypt, *Turkish Journal of Botany*, 40, 59 - 73, January, 2016
19. **Salama, F. M., Gadallah, M.A.A. and Omro, A. M,** Capacity of *Persicaria salicifolia* to remove some mineral elements and metals from polluted water in Assiut Province, Egypt, 12th International Conference on Chemistry and Its Role in Development Mansoura-Sharm El Sheikh, Egypt, 2015
20. **Fawzy SALAMA Monier ABD EL-GHANI Mohamed GADALLAH Salah ELNAGGAR Ahmed AMRO,** Variations in Vegetation Structure, Species Dominance and Plant Communities in South of the Eastern Eesert-Egypt, *Notulae Scientia Biologicae*, Academic press, 6 (1), 41-58, [www.notulaebiologicae.ro](http://www.notulaebiologicae.ro), 2014
21. **Salama, F.M.,M Abd El-Ghani, Gadallah, MAA,El-Nagar, S and Amro, A.M.,** Variation in vegetation structure, species dominance and plant communities in the South of the Estren Desert – Egypt, *Notulae Scientia Biologicae*, 6, 41-58, 2014
22. **Salama, F. M., Gadallah, M.A.A. and Amro, A. M,** Effects of water pollution on chlorophyll, soluble sugars and hydrolysable carbohydrates in *Typha domingensis* in Assiut Province., 2nd International Conference "Conservation and Development of Natural Heritage" December 5 – 10 Sharm El-Sheikh, Egypt., 2010

## Books

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**Fawzy Mahmoud Salama Moneir M. Abd El-Ghani Mohamed Ahmed Gadallah Salah Mohamed El-Naggar Ahmed Amro (2016):** Diversity and Plant FGs of the Vegetation in Eastern Desert of Egypt. LAP, LAMBERT Academic, 250, April, 2016

## International Research Reviewing

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**Three reviews of 2 manuscripts submitted in Web of Science Journals**

Title	Journal	Reviewing times
Dose-Response Analysis of Potassium Bromate Induced Toxicity in <i>Allium Cepa</i> L. Meristematic Cells, 2020	Environmental Science and Pollution Research	2 times
Biosafety Assessment of Graphene Nanosheets GNS on Leaf Ultrastructure, Physiological and Yield Traits of ( <i>Capsicum Annuum</i> L.) and ( <i>Solanum Melongena</i> L.) , 2019	Chemosphere	once

### Google Scholar Report Science 2015 - 2020

Citations	46
H-Index	4
i10-Index	1
Google Scholar Link	<a href="https://scholar.google.com/eg/citations?view_op=list_works&amp;hl=en&amp;user=3nPbCecAAAAJ">https://scholar.google.com/eg/citations?view_op=list_works&amp;hl=en&amp;user=3nPbCecAAAAJ</a>

### Google Scholar Report Science 2015 – 2020

Publications in Scopus	10
H-Index	3
Affiliation	Assiut University, Assiut, Egypt

### Web of Science (WOS) Report Science 2015 - 2020

Ahmed Amro ID	AAD-4722-2020
Publications in WOS	11
Citations	11
H-Index	3
Per reviewing metrics	3
Publons Link	<a href="https://publons.com/researcher/3363617/ahmed-amro/">https://publons.com/researcher/3363617/ahmed-amro/</a>

### Thesis supervisions

Candidate	Thesis title	Degree	Date of Supervision	Univ.
Mahmoud Samier	Ecological evolution of Heavy metals accumulation by field weeds and their application in Phytoremediation	M. Sc.	21-6-2015	Assiut
Saber El-Azazi	Ecology and Allelopathic potential of some wild plants	M. Sc.	18-1-2016	Assiut
Asmaa Mahmoud	Ecological studies of fresh water plants inhabiting Ibrahimia Canal between Assiut and El-Minya cities, Egypt	M. Sc.	23-5-2018	Assiut
Amina Kamal	Effect of Titanium Dioxide	M. Sc.	22-10-2017	Assiut

	Nanoparticles on water stressed Lupin and Sunflower plants			
Raof Sultan	Autecology and Phytochemistry of <i>Senecio glousus</i> L. inhabiting Assiut Governorate, Egypt	Ph. D.	22-10-2017	Assiut
Asmaa El- Zohay	Ecological and Physiological studies of the vegetation in some desert wadis north of Hurghada, Egypt	M.Sc.	25-10-2016	New Valley
Ayat Abdel Moneam	Ecological studies on the weed flora in the agroecosystems of Kharga Oasis, Egypt	Ph. D.	17-1-2016	New Valley

## Training Workshops

Workshop Name	Duration	
Training course in the field of microbes and higher organisms - Faculty of Science - Sohag University	28-1-2006	2-2-2006
Workshop entitled Some applications of Bioinformatics in the field of molecular biology - Molecular Biology Research Unit - Assiut University	12-2-2008	12-2-2008
Training course on applications of biotechnology - Faculty of Agriculture - Assiut University	12-4-2010	14-4-2010
An introductory in the field of bioinformatics at the Laboratory of Nematology and Biotechnology - Faculty of Agriculture - Fayoum University	26-6-2012	28-6-2012
Workshop on organizing information and biological diversity - Faculty of Computers and Information - Assiut University	21-11-2015	27-11-2015
TOT program at Cairo University under the care of Clarivate Analytics and Egyptian Knowledge Bank	14-9-2019	15-9-2019

## Conferences

Conference Name	Duration
The 1 <sup>st</sup> international conference of Biological Sciences, held in Faculty of Science, Assiut University	4-5 Marsh 2009
The 3 <sup>ed</sup> Conference for Young Researchers, Basic Science and Technology, Assiut	19-20 April 2011
The 7 <sup>th</sup> International Conference for Development and the Environment in the Arab World. Held in Assiut University	23-25 March 2014
The 12 <sup>th</sup> International Conference of Chemistry and its Rule in Development (ICCRD) held in Mansoura University	March -2015
Egyptian Herbaria between Reality and Expectations. Held at the Herbarium of Faculty of Science, Helwan University	17 March 2016
The 8 <sup>th</sup> International Conference for Development and the Environment in the Arab World. Held in Assiut University	22-24 March 2016
The 10 <sup>th</sup> Assiut University International Pharmaceutical Sciences Conference held in Faculty of Pharmacy, Assiut University	13-14 April 2016
The 1 <sup>st</sup> international conference "Biodiversity and Sustainable Development" Organized at Humboldt Kolleg at Helwan	15-16 October 2016

University. By the Department of Botany and Microbiology, Faculty of Science, Helwan University.	
The 9 <sup>th</sup> International Conference for Development and the Environment in the Arab World. Held in Assiut University	15-17 April 2018
The 9 <sup>th</sup> International Conference of Plant Science and Microbial Biotechnology (ICPMB). Held in Department of Botany and Microbiology, Faculty of Science, Suhag University	6-7 November 2019

## Teaching Experiences

Course	Target students	Faculty	Univ	Date
Plant Geography	Botany 3rd year	Science	Assiut	2019
Archegoniatas	Biology 3rd year	Education	Assiut	
Flora of Egypt	Botany 4th year	Science	Minia	2018
Advanced Plant Taxonomy	Botany 3rd year	Science	Minia	
Archegoniatas	Botany 3rd year	Science	Assiut	2017
Advanced Plant Anatomy	Botany 3rd year	Science	Assiut	2016
Ecology of Xerophytes and Halophytes	Botany 4th year	Science	Assiut	
General Botany	Pre-pharmacy	Pharmacy	Assiut	2015
Plant Micro-technique	Botany 3rd year	Science	Azhar	2018-2020
Biotechnology	Botany 4th year	Science	Azhar	2017-2020
Environmental waste recycling	Botany 4th year	Science	Azhar	
Seed Biology	Botany 4th year	Science	Assiut	2017-2019
Ecology of geophytes and hydrophytes	Biology 2nd year	Education	Assiut	2015-2020
Plant Anatomy and Morphology	1st year	Agriculture	Assiut	2015-2019
Practical Plant Ecology	Botany – Biology	Science, Education	Assiut	
Practical Plant Morphology	Botany – Biology	Science, Education, Agriculture	Assiut	
Practical Plant Anatomy	Botany – Biology	Science, Education, Agriculture	Assiut	
Practical Plant Physiology	Botany – Biology	Science, Education, Agriculture	Assiut	2004-2014
Practical Phytosociology	Botany 4th year	Science	Assiut	
Practical Cell Biology	Botany 3rd year	Science	Assiut	
Practical Archegoniatas	Botany – Biology	Science, Education	Assiut	
Practical Plant Taxonomy	Botany – Biology	Science, Education, Agriculture	Assiut	

## General Lectures

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- Lecture in The 2<sup>nd</sup> workshop for **laboratory technicians in the field of plant technology and microbiology** at the University of Assiut Herbarium. Titled as **“Reagents Preparing and Methodology of plant and soil chemistry”**. 23-25 September 2014.
- Participated with a lecture under the title **“Distribution pattern of some medicinal xerophytes in Egypt”** in the 1<sup>st</sup> scientific symposium of Botany Department “Green Economy’ 19 April 2016. New Valley University.

## Projects

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- Worked as a trainer for three semesters (2016-2019) in **Children’s University Project**
- A member of **quality assurance and accreditation project (QAAP)**, Faculty of Science, Assiut University (2004 till date).

## Scientific Skills

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- High experience in field data collection for phytosociological reports.
- High experience in many plant physiological determinations and treatments.
- High experience in soil physical and chemical determinations and treatments.
- Good experience in plant tissues micro-technique.
- Good experience in plant tissue culture, Gel electrophoresis, DNA extraction.

## Computer Skills

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Excellent user for Microsoft Office till v. 2013

Excellent user for internet browsers

Good user for

SPSS

SAS

CANOCO

Adobe Illustrator

## Language Skills

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- Arabic (Maternal language)
- English (Very Good)
- German (Fair)

## Certificates of Appreciation

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Held a certificate of thanks and appreciation from the Department of Botany and Microbiology for the valuable and fruitful efforts in the service of the department

**Ahmed Mohamed Abdel-Rahman Amro**