

CURRICULUM VITAE

Dr. Hanaa Kamal Galal Gad elkarim
Assistant Professor in Botany and Microbiology
Department, Faculty of Science, Assiut University,
Assiut, Egypt.

PERSONAL INFORMATION

First Name: Hanaa Middle: Kamal Galal Surname: Gad elkarim

Address

Office and Correspondence

Assistant Professor in Botany and Microbiology Department,
Faculty of Science, Assiut University, Assiut 71516, Egypt.

Residence

Nationality: Egyptian

Place and date of birth: Assiut, Egypt October 12, 1967.

Marital Status: Married

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Academic Qualifications

Ph.D. in Botany "Plant Ecophysiology" (2005);

Thesis title: "Ecophysiological studies on some littoral succulent halophytes in Egypt".

Place of Graduate: Botany Dept. Faculty of Science, Assiut University, Assiut, Egypt.

M. Sc. in Botany "Plant Ecology" (2000);

Thesis title: "Studies on *Chenopodium murale* in different habitats."

Place of Graduate: Botany Dept. Faculty of Science (Sohag) , South Valley University, Egypt.

B. Sc. in Botany (1989), Grade: Very Good with honor degree

Place of Undergraduate: Botany Dept. Faculty of Science, Assiut University, Assiut, Egypt.

AREAS OF INTEREST

Ecophysiology of plants

Halophytes

Biological diversity of desert plants

TEACHING EXPERIENCE:

Under Graduated Courses:

Courses Taught at the Department of Botany and Microbiology, Faculty of Science Assiut University:

Plant Ecology, Plant geography, Morphology and anatomy, Plant communities
Flora of Egypt, Cell biology, Plant Taxonomy, Plant physiology, Plant diseases
Industrial microbiology, Plant Kingdom, Biochemistry, Plant morphology
Phycology, Archigonates, Mycology, Plant chemical analysis,.

Courses Taught at the Department of Biological Sciences, Faculty of Science, King Abdulaziz University:

Water relation of plant and soil, Flora of Kingdom of Saudi Arabia
Chemical Analysis of Plant Tissues, Medicinal plants of kingdom of Saudi Arabia, Cell
Biology, General Biology, Plant Ecology, Plant Taxonomy, Plant physiology,
Morphology and anatomy.

Graduated Graduate Courses:

Plant Communities and populations, Plant, Soil and atmosphere water
relations, Plant geography, Ecology of the Mediterranean and Red Sea regions,
Climate and vegetation, Halophytes, Pollution, Seed Physiology, Practical Course.

GRANTS & SCHOLARSHIPS:

- Postdoctoral Scholarship for nine months (Apr. 2008- Jan. 2009) in University of
Sussex, UK.

THESIS SUPERVISED:

- 1- **Manal Abdullah AL-Shagha:** Allelopathic Effect of *Lavandula Dentatae* on some crops (M.Sc., 2013).
- 2- **Nadiyah bakheet sagur AL_sulami:** Biodiversity of *Commiphora gileadensis* Plant in Makkah Al- Mukarramah Region (M.Sc., 2014).
- 3- **Alaa Zaki Basha:** The role of salt stress on physiological processes of jojoba (M.Sc., 2015).
- 4- **Sara Elsefari:** STUDIES ON THE RESPONSE OF (*LYCOPERSICON ESCULENTUM* MILL) TO SALINITY (M.Sc., 2016).
- 5- **Ebtisam Mohammed Alghailani:** Estimation of Soil Loss Using Remote Sensing Technique in Arid Environment Wadi System in Saudi Arabia (M.Sc., 2017).
- 6- **Hanin Elsebiae:** Morphometric Characterization and Soil Properties Mapping Using Geographic Information System in Wadi Yalamlam, Saudi Arabia (M.Sc., 2018).
- 7- **Sara Abad Al Thomali,** Interactive effects of silicon and salicylic acid in mitigating the salinity stress in *Catharanthus roseus* (M.Sc. dissertation in progress).

8- Ashwaq Abdul Aziz AL-Nehmi, Allelopathic Effect of Wheat residues on *Cynodon dactylon* L. and *Chenopodium album* L. growth. (M.Sc. dissertation in progress).

9- Somaiya Basheer Khairi, Improving phytoextraction efficiency of ornamental plants using chemicals chelators. (M.Sc. dissertation in progress).

CURRENT RESEARCH PROJECTS

1- Soil Erosion Estimation Using Remote Sensing Techniques in Wadi Yalamlam Basin, Saudi Arabia.

This Project was funded by the Deanship of Scientific Research at King Abdulaziz University, Jeddah, under Grant no. (G-393-155-1436).

2- Consideration of NDVI Thematic Changes on Density Analysis and Floristic Composition of Wadi Yalamlam, Saudi Arabia.

This Project was funded by the Deanship of Scientific Research (DSR) at King Abdulaziz University, Jeddah, under Grant no. (235/247/1438G)

3- Stream network pollution by olive oil wastewater risk assessment in Crete, Greece.

This Project was funded by the Deanship of Scientific Research at King Abdulaziz University, Jeddah.

PUBLICATIONS:
RESEARCH ARTICLES:

- 1- El-Khatib, A. A., Hegazy, A. K. and **Galal, H. K.** (2004). Allelopathy in the rhizosphere and amended soil of *Chenopodium murale* L. Weed Biology and Management, 4: 35-42.
- 2- El-Khatib, A. A., Hegazy, A. K. and **Galal, H. K.** (2004). Does allelopathy have a role in the ecology of *Chenopodium murale*? Annals Botanici Fennici, 41: 37-45.
- 3- Fawzy, M., Hegazy, A. K. and **Galal, H. K.** (2007). Growth and phytomass allocation of *Zygophyllum decumbens* in depression and gravel plain habitat types. Bull.Fac.Sci., Cairo Univ. 75(C): 1-18.
- 4- Timothy J. Flowers, **Hanaa K. Galal** and Lindell Bromham. (2010).
'Evolution of halophytes: multiple origins of salt tolerance in land plants'
Functional Plant Biology. 37, 1-9.
- 5- Yasser A.M.M.Omran and **Hanaa K. Galal.** (2010). Effect of salicylic acid application on bud mineral composition, bud behavior and productivity of flame seedless grapevines. Assiut Univ. J. of Botany. 39(2), 71-92.
- 6- Fatma Ali Farghaly , **Hanaa K. Galal**, Abeer Ahmed Farag Radi , Refat Abdel-Basset. (2013). Nitrate-drought interactions on growth, osmoprotectants and antioxidant system of the oil accumulating desert plant jojoba. Journal of Biology and Earth Sciences Vol. 3, Issue 1 , B1 7-B28.
- 7- Sanaa A.I. Moussa and **Hanaa K. Galal.** (2013). Impact of mulching with *Calotropis procera* Decne. leaves on seedling emergence and growth of *Parkinsonia aculeate* L. Wulfinia Journal. Vol 20, No. 2.
- 8- **Hanaa K. Galal** and Abdel-Wahab E. El-Enany. (2013). Amelioration of Zinc Toxicity to Wheat Seedling using Calcium. Participation with Poster at the 28TH Meeting of the Saudi Biological Society. Eco-tourism and Sustainable Development. 9-11/ 4/ 2013.

- 9- Areej Ali Baeshen, **Hanaa K. Galal** and Batoul Mohamed Abdullatif. (2013). Evaluation of the Effects of Some medicinal plants Extracts on seed Germination and growth parameters of the Common beans *Phaseolus vulgaris* L. Jokull Journal. Volume 63 Issue.5. (ISSN: 0449-0576).
- 10- Nadiyah B. Al Sulami, Abdul Moneam A. Al-Toukhy and **Hanaa K. Galal**. (2014). Floristic Composition And Life Forms For Wild Plants Associated *Commiphora Gileadensis* In Wadi Stara, Al Harazat and Ofsan Areas In Jeddah Province, KSA. Review Of Research Journal. Vol. 4 Issue. 2. (ISSN:-2249-894X).
- 11- Mahdi M. Al-Mutwa, Abdul Moneam A. Al-Toukhy, Hassan S. Al-Zahrani and **Hanaa K. Galal**. (2015). Seawater Irrigation Effect on Growth in some Forage Crops. American-Eurasian J. Agric. & Environ. Sci., 15 (7): 1411-1418. ISSN 1818-6769.
- 12- ELHAG M., BAHRAWI J.A., ALDHEBIANI A., AL-GHAMDI A.A.M. and **GALAL H.K.** (2015). Stream Network Pollution By Olive Oil Waste Water Risk Assessment In Crete, Greece. Proceedings of the 14th International Conference on Environmental Science and Technology Rhodes, Greece, 3-5 September 2015.
- 13- Sameera O. Bafeel, **Hanaa K. Galal** and Alaa Z. Basha. (2016). Effect of Seawater Irrigation on Growth and Some Metabolites of Jojoba Plants. American-Eurasian J. Agric. & Environ. Sci., 16 (1): 49-59. ISSN 1818-6769.
- 14- Jarbou A. Bahrawi, Mohamed Elhag, Amal Y. Aldhebiani, **Hanaa K. Galal**, Ahmad K. Hegazy and Ebtisam Alghailani. (2016). Soil Erosion Estimation Using Remote Sensing Techniques in Wadi Yalamlam Basin, Saudi Arabia. Advances in Materials Science and Engineering Journal. Volume 2016, page 1- 8.
- 15- Manal .A .AL .Shaqhaa, Hassan S. Al-Zahrani and **Hanaa K. Galal**. (2016). Allelopathic effect of *Lavandula dentate* on some crops. Wulfenia Journal. Volume 23, Issue 3: 200 – 220.

- 16- Mohamed Elhag, Jarbou A. Bahrawi, **Hanaa K. Galal**, Amal Aldhebiani and Amal A. M. Al-Ghamdi. (2017). Stream network pollution by olive oil wastewater risk assessment in Crete, Greece. *Environ Earth Sci.* 76:278
- 17- Elgahtani, M.M, El-Zohri, M., **Hanaa K. Galal** and El-Enany, A. E. (2017). GC-MS analysis of different crude extracts from *Heliotropium bacciferum* L. and its allelopathic potential on *Zea mays* L. and *Vicia faba* L. *Allelopathy Journal.* 41 (1): 51-64.
- 18- Mohamed Elhag, Jarbou A. Bahrawi, **Hanaa K. Galal**, Amal Aldhebiani and Amal A. M. Al-Ghamdi. (2017) Stream network pollution by olive oil wastewater risk assessment in Crete, Greece. *Environ Earth Sci.* 76:278
- 19- Mohamed Elhag, **Hanaa K. Galal**, and Haneen Alsubaie. (2017) Understanding of morphometric features for adequate water resource management in arid environments. *Geosci. Instrum. Method. Data Syst.* 6, 293–300.
- 20- Fawzy Mahmoud Salama, Monier Mohamed Abd El-Ghani, Noha Ahmed El-Tayeh, **Hanaa Kamal Galal** and Sara El-Naggar. (2018) Vegetation Analysis and Species Distribution in the Lower Tributaries of Wadi Qena, Eastern Desert, Egypt. *Jordan Journal of Biological Sciences (JJBS).* Volume 11, Number 4, September Pages 407 - 418.
- 21- Fawzy Salama, Monier Abd El-Ghani, Mohamed Gadalla, Taha Ramadan, **Hanaa Galal** and Ali Gaafar. (2018) Vegetation patterns and floristic composition along elevation gradient on Jabal Musa, South Sinai, Egypt. *CATRINA Journal*, Volume17 (1) Page 41-57.
- 22- Amal Y. Aldhebiani, Mohamed Elhag, Ahmad K. Hegazy, **Hanaa K. Galal**, and Norah S. Mufareh. (2018) Consideration of NDVI thematic changes in density analysis and floristic composition of Wadi Yalamlam, Saudi Arabia. *Geosci. Instrum. Method. Data Syst.*, 7, 1–10.
- 23- ELHAG, M., AL-GHAMDI, A. A. M., **GALAL, H. K.**, DAHLAN, A. (2018). Evaluation Of *Aloe Vera* L. As Phytoremediator Of Heavy Metals

Contaminated Soils In Arid Environments. APPLIED ECOLOGY AND ENVIRONMENTAL RESEARCH 16(5):6033-6045.

- 24- Sarah Abdulrahman Alsafari, **Hanaa Kamal Galal** and Sameera Omar Bafeel. (2019). Growth and anatomy of the tomato (*solanum lycopersicum* mil l.) Cultivars marmande and oria under salinity stress. Pakistan journal of botany, 51(4).
- 25- Noha A. El-Tayeh, **Hanaa K. Galal**, Magda I. Soliman and Hoida Zaki. (2020). Association of Morphological, Ecological, and Genetic Diversity of *Aerva javanica* Populations Growing in the Eastern Desert of Egypt. **Agronomy**. Volume 10 (3), 402, 1-17.
- 26- Mahmoud O. Hassan, Suzan A. Tammam, **Hanaa Kamal Galal**, Samir M. Saleh, Mona Sayed and Ahmed Amro. (2020). Habitat variations affect morphological, reproductive and some metabolic traits of Mediterranean *Centaurea glomerata* Vahl populations. **Heliyon**. Volume 6, Issue 6 e04173.

Books:

Hanaa Galal, Sameera bafeel, Alaa Basha Jojoba responses to salinity (2016). LAMBERT Academic Publishing.



كلية العلوم / الدراسات العنر

شهادة

وافق مجلس جامعة اسيوط بجلسته المنعقدة في ٢٠٠٥/٠٥/٣١ علي منح

الطالبة / هناء كمال جلال جاد الكريم

درجة دكتوراه الفلسفة في العلوم النبات " بيئة نباتية "

بناء علي توصية مجلس الكلية في ٢٠٠٥/٠٥/٢٢ وكان عنوان الرسالة :

دراسات بيئية فسيولوجية علي بعض النباتات الملحية العصرية الساحلية في مصر

تحريرا في : ٢٠٠٦/١/١٩

مدير
ادارة الدراسات العليا
أسس لدراسات
٢٠٠٦/١/١٩

مراجع
م. م. م. م. م.

الموظف المختص
عروة فاروق



عميد الكلية

د. / مصطفى محمد كمال
٢٠٠٦/١/١٩

اوقع

٢٠٠٦/١/١٩



"بسم الله الرحمن الرحيم"

كلية العلوم بسوهاج

شهادة

وافق مجلس الجامعة بجلسته المنعقدة في ٢٥/١١/٢٠٠٠ على منح
السيدة/ هناء كمال جلال جاد الكريم
درجة الماجستير في العلوم "نبات"
وذلك بناء على توصية مجلس الكلية بجلسته المنعقدة بتاريخ ١٩/١١/٢٠٠٠
وعنوان الرسالة: "دراسات بيئية واليلوباثية علي نبات الزربيح في موائل مختلفة"

تحريرا في: ٢١/١٢/٢٠٠٠ م.

مدير الدراسات العليا
ر.ع

الموظف المختص
ر.ع

يعتمد،

عميد الكلية

الد. أحمد كمال الدين الشافعي



سدد رسم الشهادة وقدره ١٤٥٠ جنيها قسيمة رقم ٥٩٠٧٥ تاريخ ١٩/١٢/٢٠٠٠



كلية العلوم

شهادة

تشهد الكلية بأن / هناء كمال حلال حاد الكريم //
تخرجت في دور يونيو سنة ١٩٨٩ لخصولها على درجة البكالوريوس //
في العلوم في (النبات) //
بتقدير عام جيد جداً مع مرتبة الشرف //
وقد حصلت على نسبة مئوية وقدرها ٧٥٪ خمسة وستين في المائة
وقد تحررت هذه الشهادة بناء على طلبها

تحريراً في ٢١ / ٨ / ١٩٨٩

رئيس شئون التعليم والطلاب

المراجع

شئون الخريجين

١٠٨٦١٨٢٥٨

عميد الكلية
د. محمد

أ. د. أحمد فرج راضي



أ. د. محمد
١٠٨٦١٨٢٥٨

