

Curriculum Vitae of
BELAN M. KHALIL



1000 EAST GRAND AVE 2A
 PHONE (618)641-1390 • E-MAIL BELAN.KHALIL@SIU.EDU

I. EDUCATION

- Aug 2013 – present** **PhD Candidate in Plant Biology**, Southern Illinois University Carbondale (SIUC).
 Advisors: Drs. Matt Geisler & Jane Geisler-Lee
 Dissertation title: Systems Biology of *cis*-Regulatory Elements in Abiotic Stresses of Plants
 Courses taken: Plant Biochemistry, Plant Molecular Biology, Plant Morphology, Systems Biology, Environmental Plant Physiology, Introduction to Biostatistics.
- 2007 – 2010** **MS in Biology, specialized in Plant Physiology**. University of Duhok, Collage of Education, Duhok, Kurdistan region, Iraq.
 Advisor: Dr. Mobasher S. Omer
 Thesis title: Effect of light and growth regulators on tissue culture of *Nigella sativa* L.
 Standing: **Good (79.4%)**
 Courses taken: Advanced Animal Physiology, Computer, Biostatic, Molecular Biology, Advanced Ecology, and Kurdology, Advanced Plant Physiology, Advanced Biochemistry, Plant Growth, and Development, Advanced Phycology.
- 1998 – 2002** **BS in Biology**. University of Salahaddin, College of Science. Erbil, Kurdistan region, Iraq.
 Standing: **Good (70.79%)**.
 The research project title was Brucellosis.

II. HONORS & AWARDS

- 2013 – 2018. Human Capacity Development program (HCDP) Scholarship that provides Tuition, fees, travel (between Iraq & USA) and living expense included.
- 2014. The Most Improved Presentation Award. The Geisler & Geisler-Lee Laboratory. \$50.
- Dissertation Research Award (DRA) provided by SIUC.

III. EMPLOYMENT HISTORY

Date(s)		Nature of work and position held	Name and address of employer
From	To		
08/19/2013	present	Graduate student at Southern Illinois University Carbondale, Plant Biology department.	Ministry of Higher Education of Kurdistan Regional Government/ Iraq
09/18/2010	06/15/2013	Assistant Researcher in plant tissue culture lab at the Scientific Research Center (SRC). Arranging lab symposium and faculty presentation and organizing lab business.	Scientific Research Center, Faculty of Science, University of Duhok, Duhok, Kurdistan Region, Iraq. Fax: 0096462761 2349
01/12/2004	09/04/2010	Working at the hospital laboratory as an assistant biologist doing medical analyses in the divisions of hematology, blood bank and parasitology. Recording the details of blood tests, arranging Excel sheets each month surveying the tests done in the lab and number of patients.	Ministry of Health, Hawler Teaching Hospital, Erbil, Kurdistan Region, Iraq.

IV. PRESENTATIONS

1. Oral presentation. 2015. *Local*. **Khalil, BM**. Studying *cis*-regulatory elements and silver nanoparticles in *Arabidopsis thaliana*. Autumn 2015

2. Oral presentation. 2014. *Local*. **Khalil, BM**. The effects of silver nanoparticles on vegetative and reproductive development of *Arabidopsis thaliana*. The Geisler & Geisler-Lee Laboratory Symposium, Autumn 2014.
3. Oral presentation. 2013. *Local*. **Khalil, BM**. Studying *cis*-Regulatory *Element in planta*. The Geisler & Geisler-Lee Laboratory Symposium, Autumn 2013.
4. Poster presentation. 2016. **Khalil, BM**. Does DREB1A dehydration-responsive element-binding protein enhance *Arabidopsis thaliana* long-term resistance to silver nanotoxicity? Graduate Creative Activity and Research Forum. Spring 2016

V. Publications

1. Diao A. Ibrahim, Gharbia H. Danial, Vian M. Mosa and **Belan M. Khalil**. 2015. Plant Regeneration from Shoot Tips-derived Callus of Ginger (*Zingiber officinale* Rosc.). American Journal of Experimental Agriculture 7(1): 55-61.
2. Danial, Gharbia H.; Ibrahim, Diao A.; Brkat, Sazan A.; **Khalil, Belan M**. 2014. Multiple Shoots Production from Shoot Tips of Fig Tree (*Ficus carica* L.) and Callus Induction from Leaf Segments. International Journal of Pure & Applied Sciences & Technology . Vol. 20 Issue 1, p117-124. 8p.

VI. RESEARCH SKILLS

Having excellent research potential and an ability to actively contribute to the research projects goals.

- Bioinformatics GEO, BLAST search, Clustering
- Biology Biometric analysis, Image J
- Computer Window, Word, Excel, PowerPoint
- Molecular Biology Gene cloning, PCR, Gel electrophoresis
- Statistics. SAS, Sigma Plot
- Tissue & Cell Culture. Plant regeneration, Callus induction, Micropropagation, Cell culture initiation.

VII. RESEARCH INTEREST

- Micropropagation of plants through tissue culture
- Genetic transformation of plants

VIII. PROFESSIONAL AFFILIATION

- American Society of Plant Biologists (ASPB); Midwestern Section of ASPB (MWASPB). Member. 2013 – present

IX. LANGUAGES

<i>Language</i>	<i>Speaking</i>	<i>Listening</i>	<i>Reading</i>	<i>Writing</i>
Arabic	Very good	Very good	Very good	Excellent
Kurdish	Excellent	Excellent	Excellent	Very good
English	good	Good	Very good	Very good

X. REFERENCES

NAME	POSITION	ADDRESS
Dr. Matt Geisler	Associate Professor of Genomics and Mathematical Biology in Plant Biology Department-SIUC	Life Science II Room 403 1125 Lincoln Dr, Carbondale, IL 62901 mgeisler@plant.siu.edu 618-453-3223
Dr. Andrew Wood	Professor of stress physiology in Plant Biology Department	Life Science II Room 405 1125 Lincoln Dr, Carbondale, IL 62901 wood@plant.siu.edu 618-453-5609