



# Asmaa Halema

A highly motivated M.Sc. graduate with strong Applied Microbiology background and outstanding communication skills, in quest of finding an excellent PhD opportunity in Microbial Genetics.

## Experience

**(From 2014 till now)**

Teaching assistant at Genetics Department, Faculty of Agriculture  
Cairo University

## Education

**(From September 2016 till July 2019)**

- Master student in life science & technology college, major Microbiology, HZAU, Wuhan, China on (nitrogen fixation bacteria).

**(From January 2014 till 2016)**

- Pre master study at Genetics department, Faculty of Agriculture, Cairo University, Egypt on (Molecular and genetics studies of nanoparticles on mice).

**(From 2008- to 2012)**

- BSC. Of Agriculture - Cairo University - Class, 2012. Special Biotechnology - English Section with GPA: 3.57. Excellent : 89,98 %

**(2012)**

- Graduation project : Production of bioethanol from molasses and whey permeates with excellent degree.

## Training

**(2010 to 2012)**

- Researcher at ESRU.(ESRU) Environmental Studies & Research Unit Agricultural Faculty, Cairo University. The unit develops research activities on environmental aspects related to microbiology ecology, plant-microbe interactions, and biofarming

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mainly biofertilization.

(2011)

- Summer Training on the different Agriculture Departments in Faculty of Agriculture, Cairo University. (Genetics department, Microbiology department, Chemistry department & Agricultural Genetic Engineering Research Institute( AGERI), Giza, Egypt.

(2010)

- Summer Training on the different Agriculture Departments in Faculty of Agriculture, Cairo University.(Soil sciences department,Animal production department,Food & Dairy science department,Agriculture engineering,Ornamental horticulture department,Fruits department&Field crops department)

### Workshops

(2016)

- Animal welfare ethics workshop, FLDC,Cairo University.

(2014)

- Trainig course in the use of technology in teaching , FLDC,Cairo University.
- Trainig course in meetings & managing time, FLDC,Cairo University.

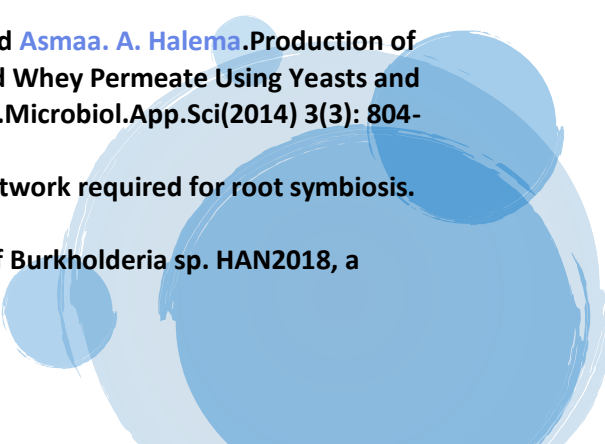
(2013)

- Trainig course in E-Learning, FLDC,Cairo University.
- Practical workshop on the biomedical applications of nanotechnology at the Faculty of Agriculture, Cairo University.
- Trainig course in international scientific publication

(2012)

- Practical workshop covering: molecular cloning & gene expression, Real time PCR,protein purification,gel electrophoresis,western blotting,DNA sequencing & PCR-RFLP, EGY BLOOD,VACSERA.

### Publications

- Mahmoud Wafik Sadik<sup>1</sup>and [Asmaa. A. Halema](#).Production of Ethanol from Molasses and Whey Permeate Using Yeasts and Bacterial Strains. Int.J.Curr.Microbiol.App.Sci(2014) 3(3): 804-818. ISSN: 2319-7706
  - Review: Transcriptional network required for root symbiosis. (under publishing )
  - Draft Genome Sequence of Burkholderia sp. HAN2018, a
- 



**Nitrogen-Fixing Bacterium Associated with the Rice plant on the Jiangxi China (under publishing)**

### Communication skills

- good communication skills gained through my experience as teaching assistant
- Communication skills: Speaking effectively, expressing ideas and working with team.
- Interactive, flexible and cooperative member in team works.
- Ability to detect, analyze and solve problems scientifically. Interactive to learn new technologies and sciences

### Organisational / managerial skills

- **November (2012)** Member as one of the organizing committee of the first international conference for GM crops & food in Faculty of Agriculture, Cairo University. Egypt.
- **April (2012)** Member as one of the organizing committee of the Biotechnology Day in Faculty of Agriculture, Cairo, University.
- **March (2012)** Member as one of the organizing committee of the Egyptian German Cooperation Day.
- **(2011)** Member in (Culture project) created by the You Turn group in Faculty of Agriculture, Cairo University.
- **(2010 till 2012)** Member in human resource committee of You Turn group in Faculty of Agriculture, Cairo University.

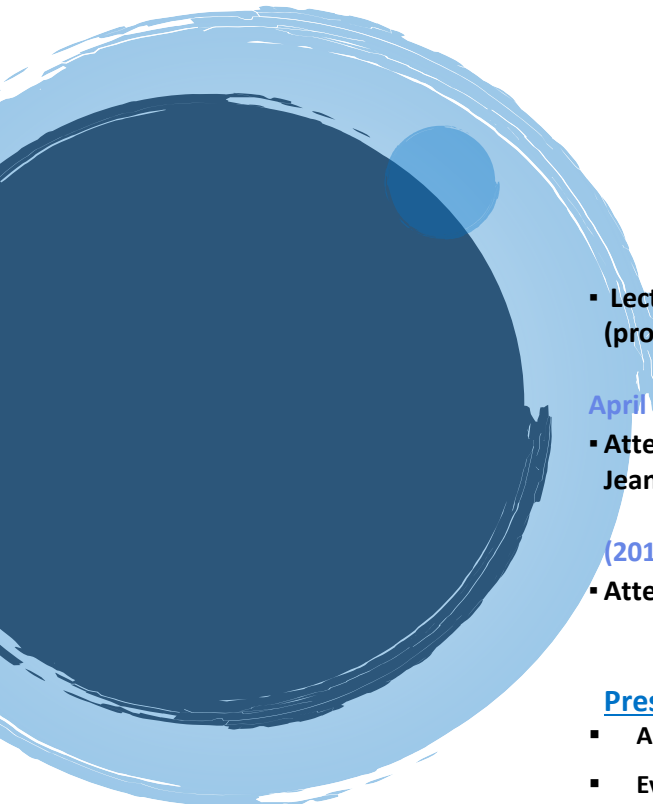
### Conferences

#### **October (2018)**

- Attend lecture from 2005 Nobel prize winner in physiology & medicine (professor Barry James Marshall) in HZAU, Wuhan, China.
- Attend lecture from 1988 Nobel prize winner in physiology & medicine (professor Johann Deisenhofer) in HZAU, Wuhan, China.
- Attend 120th anniversary of HZAU ceremony

#### **September (2018)**



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- Lecture from 2013 Nobil prize winner in physiology & medicine (professor Thomas C.Sudhof) in HZAU,Wuhan,China.(Audient).

#### April (2018)

- Attend lecture from 2016 Nobil prize winner in chemistry (professor Jean-Pierre Sauvage) in HZAU,Wuhan,China.

#### (2010)

- Attended Biovision Conference Alexandria (11:15,April).

#### Presentations

- About 20 International & National presentations
- Every month I make presentation in lab meeting

#### Honours and awards

- The first in biotechnology class 2012, Faculty of Agriculture, Cairo University.
- The third in Faculty of Agriculture, Cairo University in 2012.

#### Memberships

- Member in Egyptian Agricultural Professions Syndicate

#### Job-related skills

DNA, RNA, and Protein extraction, plasmid construction , PCR, Gel electrophoresis, bacterial transformation, electroporation, gel elution, bioinformatics tools , ELISA, Animal cell culture ,Tissue culture, microbiology techniques like bacterial isolation from different sources.

#### Computer skills

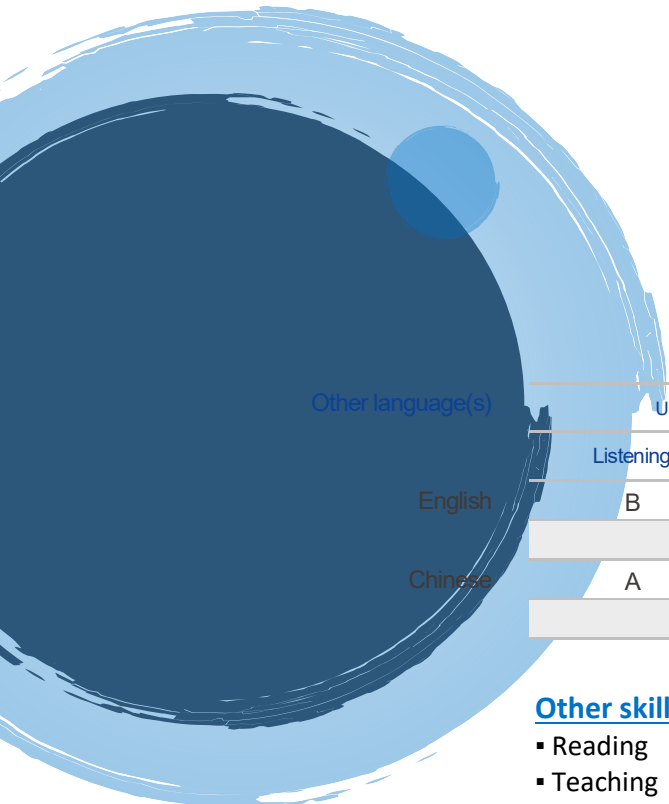
- Good command in SNAPGENE program,GENEIOUS program,MEGA7 program.
  - Beginner user of LINUX & R software
  - Mastering Microsoft Office programs (Word, Excel, Power point, Access & Internet)
- ICDL certified

#### PERSONAL SKILLS

Mother tongue(s) •

Arabic





Other language(s)

English

Chinese

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	B	C	B	B	C
passed local TOEFL on October 2013 with score of 537					
Chinese	A	A	A	A	A
Chinese course in HZAU					

**Other skills**

- Reading
- Teaching
- Cooking

**References**

**Dr. Mohamed F. Foda, PI**

**Senior Lecturer in Biochemistry and Molecular Biology, Faculty of Agriculture, Benha University**  
**Principle Investigator at Huazhong Agricultural University (HZAU), China**  
**Vice President of Postdoctoral Association at HZAU**  
**HZAU Postdoctoral Consultant at HZAU**

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