

Ahmed Ragab Henawy, Ph.D.

Date of birth: 15.01.1990

Lecturer at Microbiology Department,
Cairo University

Email: ahmed.ragab1@cu.edu.eg
ahmed.ragab1@agr.cu.edu.eg

Mobile (EG): +20 1011578381
4th Rashad Mekii St., Maadi 11728,
Cairo, Egypt



Employment History

Jun 2023 - Now	Lecturer, Microbiology Department, Cairo University
Jul 2019 – May 2023	Assistant Lecturer, Microbiology Department, Cairo University
Sep 2016 – Jul 2019	Research Assistant Huazhong Agriculture University, College of Life Science and Technology, Microbiology major, Wuhan, China.
	Research Assistant
Apr 2015 – Sep 2016	Faculty of Agriculture, Cairo University, Microbiology Department, Giza, Egypt.
Oct 2012 – Apr 2015	Research Fellow Egyptian Military farm in Owinat, East desert, Egypt.
Jul 2011 – Aug 2011	Technical Assistant Biotechnology Laboratories, National Research Centre, Cairo, Egypt.

Education

On-campus Education

Jul 2019 – Jun 2023	Ph.D., Microbiology (240 ECTS) Faculty of Agriculture, Cairo University, Giza, Egypt
Oct 2016 – Jun 2019	MSc, Microbiology (180 ECTS) Huazhong Agriculture University, Collage of Life Science and Technology, Microbiology major, Hubei, China
Jan 2015 – Jun 2016	Pre/Master, Microbiology (90 ECTS) Faculty of Agriculture, Cairo University, Giza, Egypt
Sep 2008 – Jun 2012	BSc, Biotechnology (280 ECTS) "The Biotechnology Program", Faculty of Agriculture, Cairo University, Giza, Egypt

Online Education

May 2020	Metagenomics applied to surveillance of pathogens and antimicrobial resistance (Certificate)
May 2020	Whole genome sequencing of bacterial genomes - tools and applications (Certificate)
Jul 2019 – Jun 2020	MicroMasters, Bioinformatics (30 ECTS) edX University System of Maryland & University of Maryland University College, Hyattsville-Maryland, USA (Certificate)

Awards and Scholarships

Oct 2019–Nov 2019	DAAD German Academic Exchange Service • Internship Metagenomics, and Genomics data analysis
Sep 2016 – Jul 2019	Chinese Government Scholarship (CSC) MSc Scholarship
Sep 2008 – Jun2012	Ranked as 1st out of 56 in Biotechnology program, during the 4-years BSc. university study.

Teaching experience

Apr 2015–Oct 2016	General microbiology, Microbial taxonomy
Sep 2019–Now	General microbiology, Microbial physiology, Industrial microbiology, Microbial fermentation, Microbial genomics and metagenomics.

Skills & Trainings

Oct 2019	International Metagenomics Workshop Bioinformatics workshop organized by Tübingen University and Leibniz-Institute IGZ, Germany; and Cairo University and Nile
Sep 2019	Technical Assistance Assisted in the workshop for post- and undergraduate students in molecular microbial ecology techniques, IGZ/Cairo University,
Nov 2018	Training Member Member of CeMAT ASIA innovation salon for computational machines and controlling systems software in Shanghai,
Oct 2018	Member of mobile electronic & fashion lifestyle gallery in Hong Kong, China.
May 2012	Training Member Training course in plant tissue culture in Horticulture Department, Faculty of Agriculture, Cairo University, Egypt.
Jul 2010 – Aug 2010	Lab-Field training Training in the different Agriculture Departments in the Faculty of Agriculture, Cairo University, Egypt in different departments (Animal production department, Food & Dairy science department, Agriculture engineering, Ornamental horticulture department, Fruits department, Field crops department, and Wadi El-natron Farm)

Computer skills

OS	Windows, UNIX
Programming Languages	R, Python, and Bash

Languages

Arabic	Mother tongue
English	Intermediate: B2
Chinese	Elementary: A1

Publications

- **Henawy, A. R.**, Abdelhadi, A. A., Halema, A. A., Barakat, O. S. Produce anti-microbial agents using lactic acid bacteria from agro-industrial wastes by new bacterial isolate (submitted)
- **Henawy, A. R.**, Abdelhadi, A. A., Halema, A. A., Refae, I. R., Barakat, O. S. (2023). Exopolysaccharide production from agro-industrial wastes by Lactic acid bacteria isolated from Silage (accepted)
- Halema, A. A., **Henawy, A. R.**, Abdelhadi A. A., Omar Samir, Elarabi. N. I., Abdelhaleem H. A.R. Draft genome analysis of *Enterobacter kobei* FACU6, A multi heavy metal resistant bacteria isolated from industrial wastewater (in review)
- Elarabi, N. I., Halema, A. A., Abdelhadi, A. A., **Henawy, A. R.**, Samir, O., & Abdelhaleem, H. A. R. (2023). Draft genome of *Raoultella planticola*, a high lead resistance bacterium from industrial wastewater. *AMB Express*, 13(1), 14. <https://doi.org/10.1186/s13568-023-01519-w>
- Li, Zheng, **Ahmed R. Henawy**, Asmaa A. Halema, Qiuling Fan, Deqiang Duanmu, and Renliang Huang. 2022. "A Wild Rice Rhizobacterium *Burkholderia cepacia* BRDJ Enhances Nitrogen Use Efficiency in Rice" *International Journal of Molecular Sciences* 23, no. 18: 10769. <https://doi.org/10.3390/ijms231810769>
- Mohamed R Abdelfadil, Manar H Taha, Mohamed El-Hadidi, Mervat A Hamza, Hanan H Youssef, Mohab Khalil, **Ahmed R Henawy**, Rahma A Nemr, Hend Elsayey, Gylaine Vanissa Tchuisseu Tchakounte, Mohamed Abbas, Gehan H Youssef, Katja Witzel, Mohamed Essam Shawky, Mohamed Fayez, Steffen Kolb, Nabil A Hegazi, Silke Ruppel, Clay chips and beads capture *in situ* barley root microbiota and facilitate *in vitro* long-term preservation of microbial strains, *FEMS Microbiology Ecology*, Volume 98, Issue 7, July 2022, fiac064, <https://doi.org/10.1093/femsec/fiac064>
- **Henawy, A. R.**, & Halema, A. A. Soil Biodiversity in Changing Climate. In *Climate Change and Ecosystems* (pp. 119-138). CRC Press.

References

Prof. Dr. Naglaa A. Abdallah

Professor of Genetics at Faculty of Agriculture, Cairo University.
Editor-in-Chief at GM Crops and Food <http://www.tandfonline.com>,
Senior at Agricultural Genetic Engineering Research Institute (AGERI).
ARC, Coordinator of National Biotechnology Network for Expertise (NBNE),
Tel. (002) 01223179109
Email: naglaa.abdallah@agr.cu.edu.eg

Prof. Dr. Olfat Sayed Barakat

Professor of Microbiology at Faculty of Agriculture, Cairo University 12613, Giza, Egypt.
Tel. (002) 01067024395
E-Mail: olfat2006@gmail.com

Prof. Dr. Abdelhadi A. Abdelhadi

Professor of Genetics Faculty of Agriculture Cairo University 12613, Giza, Egypt.
Tel. (002) 01000763282
E-Mail: a.a.abdelhadi@cu.edu.eg

Dr. Mohamed F. Foda, PI

Associate professor 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
Email: m.frahat@mail.hzau.edu.cn