



Abdelaziz Mansour

Date of birth: 06/06/1992 | **Place of birth:** Giza, Egypt | **Phone number:**
(+20) 1115068881 (Mobile) | **Email address:** abdelaziz.mansour@agr.cu.edu.eg |

Address: No. 403, Building No. 8Y, Ammar Bin Yasser St., El-Ferdoos, 6th of October, 12578, Giza, Egypt (Home)

● EDUCATION AND TRAINING

01/09/2021 – 22/08/2025 Busan, South Korea
PHD IN INTEGRATED BIOLOGICAL SCIENCES Pusan National University

Field of study Biosystems Microbiology |

Thesis Microbial Characterization Associated with the Bioconversion of Agricultural Residues into Frass-fertilizer and Disease Severity in *Protaetia brevitarsis* Larvae

09/2020 – 03/2021 Hangzhou, China
PRE-PHD ONLINE COURSES Zhejiang University

Field of study Agriculture and Biotechnology

09/2016 – 12/2019 Wuhan, China
MSC IN AGRICULTURAL ENTOMOLOGY AND PEST CONTROL Huazhong Agricultural University

Field of study Plant Science and Technology |

Thesis Symbiotic Bacteria Diversity and the Fitness of the Oriental Latrine Fly *Chrysomya megacephala* (Diptera: Calliphoridae)

09/2009 – 07/2013 Cairo, Egypt
BACHELOR OF PLANT PROTECTION PROGRAM Cairo University

Field of study Agricultural Sciences

● WORK EXPERIENCE

LECTURER – DEPT. OF ECONOMIC ENTOMOLOGY AND PESTICIDES, CAIRO UNIVERSITY – 26/11/2025 – Current – GIZA, EGYPT

Address: No. 6, El-Gam'aa St., Giza, 12613, Giza, Egypt

- Preparation of lectures and of exams of economic entomology subjects
- Leading laboratory practices
- Grading papers and exams and leading review and feedback sessions for the students
- Mentoring students for their graduation projects
- Conduct academic research in their field of insect-based waste bioconversion

ASSISTANT LECTURER – DEPT. OF ECONOMIC ENTOMOLOGY AND PESTICIDES, CAIRO UNIVERSITY – 01/2020 – 08/2021 – GIZA, EGYPT

- Teaching insect classes for undergraduate students
- Meeting students and assessing their duties and activities

TEACHING ASSISTANT – DEPT. OF ECONOMIC ENTOMOLOGY AND PESTICIDES, CAIRO UNIVERSITY – 04/2014 – 09/2016 – GIZA, EGYPT

- Assist the professor or lecturer in the preparation of lectures and of exams
- Grading papers and exams

- Leading review and feedback sessions for the students

● PUBLICATIONS

2025

[Efficient conversion of mushroom and sawdust residues in *Protaetia brevitarsis* biosystem: characterization of humic acid and bacterial communities](#)

Authors: Abdelaziz Mansour, Junbeom Lee, Taeho Jeong, Mohamed Mannaa, Sun Young Kim, JeongHun Song, Young-Su Seo, and Dae-Weon Lee | **Volume, Issue and Pages:** 16(9), 893 | **Publisher:** Insects

2025

[Fungal-bacterial interactions leading to increased insect mortality: *Trichoderma xixiacum* enhances the pathogenicity of *Serratia marcescens* in *Protaetia brevitarsis* larvae](#)

Authors: Abdelaziz Mansour, Taeho Jeong, Duyoung Lee, Jeong-Hun Song, Eunsun Kim, Dae-Weon Lee, Mohamed Mannaa, and Young-Su Seo | **Volume, Issue and Pages:** 211, 108327 | **Publisher:** Journal of Invertebrate Pathology

2025

[Multiple mechanosensory pathways mediate oviposition behavior in *Bactrocera dorsalis* \(Diptera: Tephritidae\)](#)

Authors: Zhang Guijian, Chuang Wu, Xun Cui, Haoran Wang, Bingbing Wei, Akami Mazarin, Abdelaziz Mansour, and Changying Niu | **Publisher:** Pest Management Science

2024

[Insect-based agri-food waste valorization: Agricultural applications and roles of insect gut microbiota](#)

Authors: Abdelaziz Mansour, Mohamed Mannaa, Inmyoung Park, Dae-Weon Lee, and Young-Su Seo | **Volume, Issue and Pages:** 17, 100287 | **Publisher:** Environmental Science and Ecotechnology

2023

[Exploring Insect-based technology for waste management and livestock feeding in selected South and East Asian countries](#)

Authors: Muhammad Salam, Longyu Zheng, Dezhi Shi, Zheng Huaili, Viola Vambol, Shaphan Yong Chia, Md Nuralam Hossain, Abdelaziz Mansour, and Ehsan Ullah | **Volume, Issue and Pages:** 32, 103260 | **Publisher:** Environmental Technology & Innovation

2023

[Jasmonic acid regulates plant development and orchestrates stress response during tough times](#)

Authors: Omar A. Hewedy, Nabil I. Elsheery, Ali M. Karkour, Neveen Elhamouly, Ramadan A. Arafa, Ghada Abd-Elmonsef Mahmoud, Mona F-A. Dawood, Abdelaziz Mansour, Marek Zivcak, and Marian Brestic | **Volume, Issue and Pages:** 208, 105260 | **Publisher:** Environmental and Experimental Botany

2022

[Gut symbiotic bacteria are involved in nitrogen recycling in the tephritid fruit fly *Bactrocera dorsalis*](#)

Authors: Xueming Ren, Shuai Cao, Mazarin Akami, Abdelaziz Mansour, Yishi Yang, Nan Jiang, Haoran Wang and Chang-Ying Niu | **Volume, Issue and Pages:** 20(1), 201 | **Publisher:** BMC Biology

2022

[Versatile roles of microbes and small RNAs in rice and planthopper interactions](#)

Authors: Abdelaziz Mansour, Mohamed Mannaa, Omar A. Hewedy, Mostafa G. Ali, Hyejung Jung, and Young-Su Seo | **Volume, Issue and Pages:** 38(5), 432 | **Publisher:** The Plant Pathology Journal

2022

[Host fruits shape the changes in the gut microbiota and development of *Bactrocera dorsalis* \(Diptera: Tephritidae\) larvae](#)

Authors: Mazarin Akami, Xueming Ren, Yaohui Wang, Abdelaziz Mansour, Shuai Cao, Xuwei Qi, Albert Ngakou and Chang-Ying Niu | **Volume, Issue and Pages:** 42(3), 2127-2141 | **Publisher:** International Journal of Tropical Insect Science

2022

[Transcriptome analysis uncovers the metabolic and molecular profile underlying rapid cold hardening and cold acclimation in the blowfly, *Chrysomya megacephala*](#)

Authors: Xuewei Qi, Yaohui Wang, Guijian Zhang, Shuai Cao, Penghui Xu, Xueming Ren, Abdelaziz Mansour, and Chang-Ying Niu | **Volume, Issue and Pages:** 112(3), 419-430 | **Publisher:** Bulletin of Entomological Research

2020

[Innovative integrated approach of biofuel production from agricultural wastes by anaerobic digestion and black soldier fly larvae](#)

Authors: Elsayed Mahdy, Ran Yi, Ai Ping, Azab Maha, Abdelaziz Mansour, Jin Kang, Zhang Yiling, Abomohra Abdelfattah | **Volume, Issue and Pages:** 263 (4), 1-13 | **Publisher:** Journal of Cleaner Production

2019

[Fermented crop straws by *Trichoderma viride* and *Saccharomyces cerevisiae* enhanced the bioconversion rate of *Musca domestica* \(Diptera: Muscidae\)](#)

Authors: Xuewei Qi, Zhihao Li, Mazarin Akami, Abdelaziz Mansour, and Changying Niu | **Volume, Issue and Pages:** 26: 29388 | **Publisher:** Environmental Science and Pollution Research

2019

[Symbiotic bacteria motivate the foraging decision and promote fecundity and survival of *Bactrocera dorsalis* \(Diptera: Tephritidae\)](#)

Authors: Mazarin Akami, Xue-ming Ren, Xuewei Qi, Abdelaziz Mansour, Bingli Gao, Shuai Cao, and Chang-Ying Niu | **Volume, Issue and Pages:** 19, 229 | **Publisher:** BMC Microbiology

● **HONOURS AND AWARDS**

09/2021

The Korean scholarship “Brain-Korea 2021 (BK21) for PhD students – South Korea Government

07/2019

The Award of Distinguished Students of Huazhong Agricultural University – Huazhong Agricultural University, China

06/2017

The International Award of Duke of Edinburg (DofE) – England

09/2016

The Chinese Scholarship Council (CSC) for international master students – The Chinese government

03/2013

Awards the second place in the active presentation competition for undergraduate students – Faculty of Agriculture, Cairo University

07/2013

Honor as the first place among the students of Plant Protection program – Cairo University

● **NETWORKS AND MEMBERSHIPS**

12/2023 – 12/2024 United States of America

The American Society of Entomology

06/2016 – 06/2017 Cairo, Egypt

NAKAA Network for Scientific Research and Nanotechnology

07/2014 – CURRENT Cairo, Egypt

Information Resource Center (IRC) of the USA Embassy in Cairo

● LANGUAGE SKILLS

Mother tongue(s): **ARABIC**

Other language(s):

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
ENGLISH	B2	B2	B2	B2	B2

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

● SKILLS

Insect rearing | Microbial Isolation, Cultivation, and Aseptic Technique | In-vitro & In-vivo assays | LC/MS | Uv-Vis Spectroscopy | Data Analysis and visualization | Metagenomic Data Analysis | Microsoft Office | Research and scientific writing | Organizational and planning skills | Team-work oriented | Good listener and communicator | Critical thinking