

Abdelaziz Mansour – Curriculum Vitae

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Economic Entomology and Pesticides Sciences, Faculty of Agriculture, Cairo

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EDUCATION AND TRAINING

- Sept 2021 – August 2025** **Pusan National University, Busan, South Korea**
Ph.D. in Integrated Biological Sciences.
Advisor: Prof. Young-su Seo
Thesis title “Microbial Characterization Associated with the Bioconversion of Agricultural Residues into Frass-fertilizer and Disease Severity in *Protaetia brevitarsis* Larvae”.
- Sept 2020 - March 2021** **Zhejiang University, Hangzhou, China**
Online courses in Agricultural Entomology and Biotechnology.
- January 2021** **Faculty and Leadership Development Centre, Egypt**
The international workshop of "Thinking skills in different learning Styles".
- Nov 2016 – Dec 2019** **Huazhong Agricultural University, Wuhan, China.**
M.Sc. in Agricultural Entomology and Pest Control.
Advisor: Prof. Niu Changying.
Thesis title: “Symbiotic Bacteria Diversity and the Fitness of the Oriental Latrine Fly *Chrysomya megacephala* (Diptera: Calliphoridae)”.
- July 2016** **DAAD Kairo Akademie, Cairo, Egypt**
Training module entitled “Self-Marketing”.
- April 2016** **Faculty and Leadership Development Centre, Egypt in Cooperation with CU-IACUC, Japan.**
The international workshop of "Ethical Guidelines for the Care and Use of Animals in Education & Scientific Research.
- September 2015** **Faculty and Leadership Development Centre, Cairo University, Cairo, Egypt.**
Training workshop of “International Publication of Scientific Researches”.
- Sept 2009 – Jun 2013** **Faculty of Agriculture, Cairo University, Cairo, Egypt.**
B. Sc. In Plant Protection Program
GPA: 3.4 (87.23%), Grade: Excellent with honor.

PROFESSIONAL HISTORY

- Jan 2020 – August 2021** **Dept. of Economic Entomology and Pesticide Sciences, Faculty of Agriculture, Cairo University, Egypt**
Assistant Lecturer.
- Teaching basic classes of entomology for undergraduate students, studying advanced entomology Courses, and doing lab research in the area of applied entomology.
- April 2014 – Sept 2016** **Dept. of Economic Entomology and Pesticide Sciences, Faculty of Agriculture, Cairo University, Egypt**
Teaching Assistant; MSc. Researcher
Advisor: Prof. Mohamed Y. Hashem
“Studies on the Effects of Modified Atmospheres in the Control of Indian Meal Moth”.
- August 2017 – July 2019** **International College, Huazhong Agricultural University**
Vice-Coordinator of Secretary department in Volunteer Centre
- In charge of coordination and external liaison with all departments within HZAU Volunteer Centre of International College.
- May 2015 – Sept 2016** **Resala Association for Charity, Egypt.**
Volunteer
- Organizing medical conveys for Egyptian country-sides.
- April 2015 – Oct 2015** **Life Makers Foundation for development projects, Egypt.**
Volunteer Consultant
- Supervising the agricultural sector in Sinai, Egypt.

SCHOLARSHIPS & AWARDS

- The Korean scholarship “Brain-Korea 2021 (BK21)” for Ph.D. students, (2021-2025), South Korea.
- The Award of Distinguished Students of Huazhong Agricultural University (Volunteer category) (2019), China.
- The Chinese Scholarship Council (CSC) for international master students (2016 – 2019).
- The International Award of Duke of Edinburg (DofE) (2017), England.
- Awards of 2nd place in active presentation competition, Faculty of Agriculture, Cairo University (2013), Egypt.
- Honor as the first place in Plant Protection program, Faculty of Agriculture, Cairo University (2013), Egypt.

PEER-REVIEWED ARTICLES

Scopus ID: 56572135000 359 citations 13 documents h-index = 8

Google Scholar profile: <https://scholar.google.com/citations?user=6UucXBEAAAAAJ&hl=en>
ResearchGate profile: https://www.researchgate.net/profile/Abdelaziz-Mansour?ev=prf_overview

- Abdelaziz Mansour**, Taeho Jeong, Duyoung Lee, Jeong-Hun Song, Eunsun Kim, Dae-Weon Lee, Mohamed Mannaa, and Young-Su Seo (2025). Fungal-bacterial interactions leading to increased insect mortality: *Trichoderma xixiacum* enhances the pathogenicity of *Serratia marcescens* in *Protaetia brevitarsis* larvae. *Journal of Invertebrate Pathology*, 211, 108327. Doi.org/10.1016/j.jip.2025.108327.
- Zhang Guijian, Chuang Wu, Xun Cui, Haoran Wang, Bingbing Wei, Akami Mazarin, **Abdelaziz Mansour**, and Changying Niu (2025). Multiple mechanosensory pathways mediate oviposition behavior in *Bactrocera dorsalis* (Diptera: Tephritidae). *Pest Management Science*. Doi.org/10.1002/ps.8908.
- Mohamed Mannaa, **Abdelaziz Mansour**, Inmyoung Park, Dae-Weon Lee, and Young-Su Seo (2024). Insect-based agri-food waste valorization: Agricultural applications and roles of insect gut microbiota. *Environmental Science and Ecotechnology*, 17, 100287. Doi.org/10.1016/j.ese.2023.100287.
- Muhammad Salam, Longyu Zheng, Dezhi Shi, Zheng Huaili, Viola Vambol, Shaphan Yong Chia, Md Nuralam Hossain, **Abdelaziz Mansour**, and Ehsan Ullah (2023). Exploring Insect-based technology for waste management and livestock feeding in selected South and East Asian countries. *Environmental Technology & Innovation* 32, 103260. Doi.org/10.1016/j.eti.2023.103260.
- 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 (2023). Jasmonic acid regulates plant development and orchestrates stress response during tough times. *Environmental and Experimental Botany*, 208, 105260. Doi.org/10.1016/j.envexpbot.2023.105260.
- Xueming Ren, Shuai Cao, Mazarin Akami, **Abdelaziz Mansour**, Yishi Yang, Nan Jiang, Haoran Wang and Chang-Ying Niu (2022). Gut symbiotic bacteria are involved in nitrogen recycling in the tephritid fruit fly *Bactrocera dorsalis*. *BMC Biology*, 20(1), 201. Doi.org/10.1186/s12915-022-01399-9
- Abdelaziz Mansour**, Mohamed Mannaa, Omar A. Hewedy, Mostafa G. Ali, Hyejung Jung, and Young-Su Seo (2022). Versatile roles of microbes and small RNAs in rice and planthopper interactions. *The Plant Pathology Journal*, 38(5), 432. Doi.org/10.5423/PPJ.RW.07.2022.0090.
- Mazarin Akami, Xueming Ren, Yaohui Wang, **Abdelaziz Mansour**, Shuai Cao, Xuwei Qi, Albert Ngakou and Chang-Ying Niu (2022). Host fruits shape the changes in the gut microbiota and development of *Bactrocera dorsalis* (Diptera: Tephritidae) larvae. *International Journal of Tropical Insect Science*, 42(3), 2127-2141. Doi.org/10.1007/s42690-022-00733-6.
- Xuwei Qi, Yaohui Wang, Guijian Zhang, Shuai Cao, Penghui Xu, Xueming Ren, **Abdelaziz Mansour**, and Chang-Ying Niu (2022). Transcriptome analysis uncovers the metabolic and molecular profile underlying rapid cold hardening and cold acclimation in the blowfly, *Chrysomya megacephala*. *Bulletin of Entomological Research*, 112(3), 419-430. Doi.org/10.1017/S0007485321001073.
- Elsayed Mahdy, Ran Yi, Ai Ping, Azab Maha, **Abdelaziz Mansour**, Jin Kang, Zhang Yiling, Abomohra Abdelfattah (2020). Innovative integrated approach of biofuel production from agricultural wastes by anaerobic digestion and black soldier fly larvae. *Journal of Cleaner Production*, 263 (4), 1-13. Doi.org/10.1016/j.jclepro.2020.121495.
- Xuwei Qi, Zhihao Li, Mazarin Akami, **Abdelaziz Mansour**, and Changying Niu (2019). Fermented crop straws by *Trichoderma viride* and *Saccharomyces cerevisiae* enhanced the bioconversion rate of *Musca domestica* (Diptera: Muscidae). *Environmental Science and Pollution Research*. 26: 29388. Doi.org/10.1007/s11356-019-06101-1.

Mazarin Akami, Xue-ming Ren, Xuewei Qi, **Abdelaziz Mansour**, Bingli Gao, Shuai Cao, and Chang-Ying Niu (2019). Symbiotic bacteria motivate the foraging decision and promote fecundity and survival of *Bactrocera dorsalis* (Diptera: Tephritidae). *BMC Microbiology*, 19, 229 (2019). Doi:10.1186/s12866-019-1607-3.

PUBLICATIONS IN PROGRESS

Abdelaziz Mansour, Junbeom Lee, Taeho Jeong, Mohamed Mannaa, Sun Young Kim, Jeong-Hun Song, Young-Su Seo, and Dae-Weon Lee. Efficient Conversion of Mushroom and Sawdust Residues in *Protaetia brevitarsis* Biosystem: Characterization of Humic Acid and Bacterial Communities. *Insects*, 2025 [**under review**].

ACADEMIC ACTIVITIES/ CONFERENCES

- The national forum of “Green Prevention and Control of Invasive Pests”, (Nov 2019), Chongqing, China.
- The 2nd international conference: “Insects to Feed the World”, (May 2018). Wuhan, China.
- Alumina conference of Huazhong Agricultural University (2018). Wuhan, China.
- First Annual Academic Symposium for international students (2018). Wuhan, China.
- The 4th International Conference of Genetic Engineering & Its Applications. (2016). Sharm El-Sheikh City, South Sinai, Egypt.
- International Conference in Nanotechnology, Biotechnology and Spectroscopy, “Tools of success in the coming era”, NAKAA Network for scientific research and Nanotechnology (2016). Cairo, Egypt.

MEMBERSHIPS

- The American Society of Entomology (2023-2024).
- Volunteer Centre, International College, Huazhong Agricultural University (2017-2019).
- NAKAA Network for scientific research and Nanotechnology, Egypt (2016-2017).
- Information Resource Center (IRC), U.S.A Embassy in Cairo, Egypt (2014-2016).

LANGUAGES

- Arabic: Native
- English: Fluent

REFERENCES

References will be provided upon your request