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Ameer Effat M. Elfarash

Personal information	<ul style="list-style-type: none"> • Date of birth: June 23, 1981 • Marital status: Married • Military service: Not called up • Nationality: Both Egyptian & American
Research Interests	<ul style="list-style-type: none"> • Microbial Genetics, Molecular Genetics, Biotechnology, Applied Microbiology, Genetic Engineering, and Sustainability
Academic Positions Held	<ul style="list-style-type: none"> • Professor (5/2023 – Present), Department of Genetics, Assiut university, Assiut, Egypt. • Professor (6/2022 – Present), Badr University in Assuit (BUA), Assiut, Egypt. • Professor & Head of the Department (6/2022 – 11/2023), Department of Applied Biotechnology, Molecular Biology Research & Studies Institute, Assiut University. • Associate Professor (5/2018 – 5/2023), Dept. of Genet., Assiut Univ., Assiut, Egypt. • Lecturer (2/2013 – 5/2018), Dept. of Genet., Assiut Univ., Assiut, Egypt. • Postdoctoral Fellow (6/2016 – 1/2017), Department of Microbiology and Cell Science, University of Florida, Gainesville, Florida, USA • Postdoctoral Fellow (10/2015 – 1/2016), Centre of Microbial and Plant Genetics, KU Leuven, Leuven, Belgium. • PhD researcher (4/2009-01/2013), Department of Bioengineering Sciences, Research Group of Microbiology, VIB Department of Structural Biology, Faculty of Science and Bioengineering Sciences, Vrije Universiteit Brussel, Pleinlaan 2, B-1050 Brussels, Belgium • Assistant lecturer (4/2008 – 3/2009), Dept. of Genet., Assiut Univ., Assiut, Egypt. • Demonstrator (11/2003 – 4/2008), Dept. of Genet., Assiut Univ., Assiut, Egypt.
Education	<ul style="list-style-type: none"> • 2009–2013, Vrije Universiteit Brussel, Brussels, Belgium. Ph.D in Bio-engineering Science, 2013, Department of Bioengineering Sciences, Research Group of Microbiology, VIB Department of Structural Biology, Faculty of Science and Bioengineering Sciences, Vrije Universiteit Brussel, Pleinlaan 2, B-1050 Brussels, Belgium The thesis title: Characterization of <i>Pseudomonas aeruginosa</i> PAO1 S pyocins receptor binding domains and development of a multiplex PCR for the detection of S pyocins domains in isolated strains • 2004–2008, Assiut university, Assiut, Egypt. M.sc. in Agricultural sciences, (Microbial Genetics), 2008, Dept. of Genet., Fac. of Agric., Assiut Univ., Assiut, Egypt. The thesis title: Selection for cellulase activity in <i>Schizophyllum commune</i> • 1999–2003, Assiut university, Assiut, Egypt.

	<p>B.sc., Faculty of Agriculture, Department of Genetics.</p> <ul style="list-style-type: none"> Graduated with a mark of "Excellent with honor degree". 			
Administrative Experience	<ul style="list-style-type: none"> Head of the Department of Applied Biotechnology, Molecular Biology Research & Studies Institute, Assiut University (11/2022– 11/2023). Supervisor of the Biotechnology lab, Central labs, Faculty of Agricultural, Assiut University, Assiut, EGYPT, since 11/ 2014. Scientific Board (The Molecular Biology Rsearch Unit. Assiut University, Assiut, EGYPT) since 1/2014. 			
Language Proficiency	<ul style="list-style-type: none"> Arabic (native). English (highly advanced). 			
Academic Awards	<ul style="list-style-type: none"> Competitive Postdoc Scholarship, The Egyptian Ministry of Higher Education, 2016. European PhD Scholarship, Erasmus Mundus - The European Union, 2009. 			
Memberships	<ul style="list-style-type: none"> Belgium Society for Microbiology (BSM) Agricultural Professions Syndicate. Society of Basic and Applied Mycology (SBAM). 			
Research Students Supervised	Level	On going	Awarded	Total
	<ul style="list-style-type: none"> PhD Students Master Students 	3 18	2 8	5 26
Publications Data	<u>Type of Publication</u>		<u>Number of Publications</u>	
	<ul style="list-style-type: none"> Journals Articles Books/Book Chapters 		35 1	
Citations Data		<u>Scopus</u>	<u>Google scholar</u>	<u>Web of science</u>
	<ul style="list-style-type: none"> h-index Citations 	6 290	8 457	5 254
ORCID No.	<ul style="list-style-type: none"> 0000-0002-3439-9350 			
Major specialization	<ul style="list-style-type: none"> Microbial Genetics, Molecular Genetics, Biotechnology, Applied Microbiology, Genetic Engineering, and Sustainability. 			
General information	<ul style="list-style-type: none"> Years of research experience after Ph.D. The number of publications in Q1 journals in the last 3 years The number of publications in Q2 journals in the last 3 years The number of publications in Q3 journals in the last 3 years The number of publications in Q4 journals in the last 3 years The number of publications in non-indexed journals in the last 3 years The number of published books The number of published chapters of books 			10 years 1 3 1 2 10 1 0
	Grants	<ul style="list-style-type: none"> Research Project funded by Internal funding program at Assiut University with a budget of (100000 LE). 		
Publications	1. Qing Wei, Phu Nguyen Le Minh, Andreas Dö tsch, Falk Hildebrand, Warunya Panmanee, Ameer Elfarash , Stéphane Plaisance, Daniel Charlier, Daniel Hassett, Susanne Häussler, and Pierre Cornelis (2012). Global regulation of gene expression by OxyR in an important human opportunistic pathogen. <i>Nucleic Acids Res</i> 40, 4320-4333.			
	2. Ameer Elfarash , Qing Wei & Pierre Cornelis (2012). The soluble pyocins S2 and S4			

from *Pseudomonas aeruginosa* bind to the same FpvAI receptor. *MicrobiologyOpen* 1, 268-275.

3. **Ameer Elfarash**, Jozef Dingemans, Lumeng Ye, Ahmed Amir, Hassan, Michael Craggs, Cornelia Reimmann, Mark S Thomas, Pierre Cornelis (2013). Pore-forming pyocin S5 utilizes the FptA ferripyochelin receptor to kill *Pseudomonas aeruginosa*. *Microbiology* 160, 261–269.
4. **Ameer Elfarash**, Francisco Solorio-Sánchez, Rafael Rojas-Herrera, Victor Toledo-Lopez, and Yaser Elderwy (2016). PCR Detection of Pathogenic Bacteria in Milk and Soft Cheese under Different Cow's Production Systems in Mexico. *Research Journal of Applied Biotechnology*, 2:1-10.
5. Hassan Hasan, **Ameer Elfarash**, Khaled Abdrabo (2016) *Aspergillus terreus* occurrence in middle of Upper Egypt, genetic variation and production of itaconic and mevinolinic acids. *European Journal of Biological Research*, 6: 242-253.
6. Badway Badway, Ahmed Abd Elraheem, **Ameer Elfarash**, and Nehad Hassan (2017) Polymorphism in the Cyclin D1 gene (G870A) and the risk of squamous cell carcinoma of the larynx. *Egyptian Journal of Neck Surgery & Otorhinolaryngolog*, 4: 1-11.
7. Abd El-Latif Hesham, Elsayed Mohamed, Asmaa Mawad, **Ameer Elfarash**, Bahaa Abd El-Fattah and Mahmoud El-Rawy (2017) Molecular Characterization of *Fusarium Solani* Degrades a Mixture of Low and High Molecular Weight Polycyclic Aromatic Hydrocarbons. *The Open Biotechnology Journal*, 11: 27-35.
8. **Ameer Elfarash**, Asmaa Mawad, Naeima Yousef, and Ahmed Shoreit (2017) Azoreductase kinetics and gene expression in the synthetic dyes-degrading *Pseudomonas*. *Egyptian Journal of Basic and Applied Sciences*. 4, 315-322.
9. Jo Marie Bacusmo, Silvia Orsini, Jennifer Hu, Michael DeMott, Patrick Thiaville, **Ameer Elfarash**, Mellie June Paulines, Diego Rojas-Benítez, Birthe Meineke, Chris Deutsch, Dirk Iwata-Reuyl, Patrick Limbach, Peter Dedon, Kelly Rice, Stewart Shuman & Valérie de Crécy-Lagard (2018). The t6A modification acts as a positive determinant for the anticodon nuclease PrrC, and is distinctively nonessential in *Streptococcus mutans*. *RNA biology*. 15(4-5):508-517.
10. Romany Abskharon, Johnny Dang, **Ameer Elfarash**, Zerui Wang, Pingping Shen, Lewis Zou, Sedky Hassan, Fei Wang, Hisashi Fujioka, Jan Steyaert, Mentor Mulaj, Witold Surewicz, Joaquin Castilla, Alexandre Wohlkonig, and Wen-Quan Zou (2017) Soluble polymorphic bank vole prion proteins induced by co-expression of quiescin sulfhydryl oxidase in *E. coli* and their aggregation behaviors. *Microbial Cell Factories*. 16,170-181.
11. Rasha Mahdy, **Ameer Elfarash** (2018) Selection for Days to Heading under Normal Irrigation and Drought Stress Conditions with Monitoring *TaELF3* Gene Expression in Bread Wheat. *Egyptian Journal of plant Breeding*. 22 (1).
12. Idriss, N.K., Abdelsaboer, M., Mohamed, N.A., **Elfarash**, A. and Saad, K., 2019. Macrophage Migration Inhibitory Factor Gene Polymorphisms (MIF-173CC) Genotyping in Patients with Cardiac Dysfunction: Relationship to Diabetes Mellitus. *Int J Cardiovasc Res* 7: 3.
13. Hasan, H.A.H., **Elfarash**, A.E. & Abdrabo, K.A.E. (2019) An Inverse Correlation Between the Production of Itaconic and Mevinolinic Acids in *Aspergillus terreus* Mutants. *Proc. Natl. Acad. Sci., India, Sect. B Biol. Sci.* 89, 1231–1237.
14. Hussein, M. A. M., Hassan, M. M., & **Elfarash**, A. E. (2019). Variability and genetic diversity among *Streptomyces scabiei* infected potato cultivars with common scab from Egypt. *Archives of Agriculture Sciences Journal*, 57-72.

15. **Ameer E. Elfarash**, Kamal A. Abo Elyousr, Zynab S. Morsy, Karam A. Amein (2021) Quantification of Pathogenicity genes expression in *Pectobacterium carotovorum* by qRT-PCR. *J. of Agricultural Chemistry and Biotechnology*, Vol. 12 (3):55-59.
16. Mandour, Sahar A., Ahmed Shawkat Abdelmohsen, Mohammed A. Medhat, Doaa Abdeltawab, **Ameer Elfarash**, Abdulrahman K. Ahmed, Ahmed M. Galal, and Mohamed A. El-Mokhtar. (2021). Virulence profile of *Helicobacter pylori* detected in gastric biopsies of patients undergoing endoscopy in upper Egypt. *Bulletin of Pharmaceutical Sciences. Assiut*, 44(1), 213-224.
17. Mostafa, R. G., El-Zawahry, A. M., Khalil, **A. E., Elfarash**, A. E., & Allam, A. D. (2021). Morphological, morphometrical and molecular identification of root-knot nematode (*Meloidogyne javanica*) infecting banana in Assiut governorate, Egypt. *Journal of Phytopathology and Pest Management*, 71-78.
18. Hassan, M. M., **Elfarash**, A. E., Abo-Elyousr, K. A., & Hussein, M. A. (2021). Efficacy of Some Biocontrol Agents Against *Streptomyces scabiei* the Causative of Common Scab Disease in Potatoes. *Egyptian Journal of Phytopathology*, 49(2), 168-178.
19. Ahmed, A. A., Dawood, M. F., **Elfarash**, A., Mohamed, E. A., Hussein, M. Y., Börner, A., & Sallam, A. (2022). Genetic and morpho-physiological analyses of the tolerance and recovery mechanisms in seedling stage spring wheat under drought stress. *Frontiers in Genetics*, 13.
20. Al Makishah, N. H., & **Elfarash**, A. E. (2022). Molecular characterization of cellulase genes in *Pseudomonas stutzeri*. *Electronic Journal of Biotechnology*, 59, 55-61.
21. Ahmed, A., ELSemman, I., **ELFarash**, A., & Mohamed, S. (2022). Auto Calculation of Genetic Diversity Measures Based on Molecular Markers Data. *Recent Research in Genetics and Genomics*, 4(2), 1-16.
22. Abd Elrahman, N. H., **Elfarash**, A., & Mohammed Badran, A. A. S. (2022). Polymorphism in a tumor suppressor (TP53) gene (G215C) and risk of squamous cell carcinoma of the larynx. *Egyptian Journal of Neck Surgery and Otorhinolaryngology*.
23. Ahmed Mohamed, H., Fadl Mahmoud Gad, G., Fattouh Mohamed, M., Harby Ahmed, H., Effat **Elfarash**, A., & Fathallah Fahmy, N. (2022). Genotyping of carbapenem resistant *Acinetobacter baumannii* isolated from Egyptian patients. *Novel Research in Microbiology Journal*, 6(6), 1801-1820.
24. Rafeek, A., Hesham, A. E. L., Abd-Ella, A. A., Mahmoud, G. A. E., & **Elfarash**, A. E. (2023). Toxicity Evaluation and Genetic Improvement of *Bacillus thuringiensis* Isolated from Different Regions in Assiut, Egypt against Mosquito Larvae. *Journal of Pure & Applied Microbiology*, 17(1).
25. Salman, S., Mohamed, G. I., Ibrahim, R. A., & **Elfarash**, A. E. (2023). Molecular Characterization of some Egyptian Date Palm (*Phoenix dactylifera* L.) Cultivars Using RAPD-PCR. *Assiut Journal of Agricultural Sciences*, 54(4), 134-153.
26. Hesham, M. A., Abo-Elyousr, K. A., Osman, M., & **Elfarash**, A. (2023). Genetic diversity of *Sporisorium scitamineum* associated with Sugarcane smut disease in Luxor Governorate, Egypt using SCoTmarker technique. *Egyptian Sugar Journal*, 20(0).
27. Sallam, N. M., AbdElfatah, H. A. S., Bagy, H. M. K., **Elfarash**, A., Abo-Elyousr, K. A., Sikora, E. J., & Sallam, A. (2023). Exploring the mechanisms of endophytic bacteria for suppressing early blight disease in tomato (*Solanum lycopersicum* L.). *Frontiers in Microbiology*, 14.
28. Mohamed, R. A., **Elfarash**, E. M., & Hassan Ali, E. (2023). Evaluation the fungal biodiversity and structure in Nile River water treated with the emerging pollutant

	<p>ibuprofen. <i>Journal of Applied Molecular Biology</i>, 1(1), 31-50.</p> <p>29. Mohamed, F. E. A., ELfarash, A., Abdel-Sater, M. A., & Hassan, E. A. Analysis of fungal diversity and structure in the Nile River Nile water polluted with crude oil and naphthalene using microcosm experiments. <i>Journal of Applied Molecular Biology</i></p> <p>30. Abdelrahman, A. A., Abdel-Fattah, B. E. D. E. S., Ewida, R. M., ELfarash, E. M., & Effat, A. (2024). Effect of Vitamin D overdose on <i>VDR</i>, <i>TRPV6</i> and <i>CYP3A11</i> genes expression, biochemical tests and histopathological legions in Albino mice. <i>Journal of Applied Molecular Biology</i>, 2(1), 71-92.</p> <p>31. Mohamed, N. A., ELfarash, A., A Abdel-Sater, M., & Ahmed Hassan, E. (2024). Fungal diversity and composition in River Nile water polluted with chlorpyrifos insecticide. <i>Journal of Applied Molecular Biology</i>, 2(1), 31-51.</p> <p>32. Mostafa, A. F., Abdel-Fattah, B. E. D. E. S., El-Rawy, M. A. E. S., & ELfarash, A. E. (2024). Enhancement of sustainable bioethanol production from microorganisms isolated from molasses and venasses. <i>Egyptian Sugar Journal</i>, 21.</p> <p>33. Zakaria, S. B., Gad, G. F., Mahmoud, M. A., ELfarash, A. E., Elmokhtar, M. A., & Mohamed, H. A. (2024). Resistance Profiles, Virulence Factors, Genotypes and Clinical Outcomes of <i>Klebsiella Pneumonia</i> Isolated from Patients with Community-Acquired <i>Pneumonia</i>. <i>Afro-Egyptian Journal of Infectious and Endemic Diseases</i>.</p> <p>34. Omar, M. H., ELfarash, A. E. M., Al-Aref, H. M., & Al-Hakkani, M. F. (2024). Role of biosynthesized Titanium dioxide nanoparticles in antibacterial activity and Cefoperazone removal from pharmaceutical wastewater. <i>Process Biochemistry</i>.</p> <p>35. Asmaa morsy, Abdelraheim Attaai, Hamdy El-Aref, Ameer Elfarash. (2024).The Protective Effect of Omega-3 Fatty Acids against Genotoxicity and Hepatotoxicity of Doxorubicin Treatment in Male Albino Rats. <i>Journal of Applied Molecular Biology</i>. (Accepted)</p>
Books	<ul style="list-style-type: none"> • Zynab Sayed Morsy, Fathy M. Saleh. KamalA.AboElyousr. Ameer E. Elfarash , Physiological and Molecular Genetic Studies on <i>Pectobacterium carotovorum</i>, Book: LAP LAMBERT Academic Publishing GmbH & Co. KG, Saarbrücken, Germany, ISBN 978-620-2-68627-3 https://www.lap-publishing.com
Attended Conferences	<ul style="list-style-type: none"> • First Mansoura International Food Congress, Nov 17-21, 2016. Mansoura -Hurghada, Egypt. • The 1st International Conference of Genetic Engineering and Biotechnology “Integrative Science and Biotechnology”, April 26-29, 2016. Sharm Elsheikh, Egypt. <ul style="list-style-type: none"> - Oral presentation: PCR Detection of Pathogenic Bacteria in Milk and Soft Cheese under Different Cow’s Production Systems in Mexico. Ameer Elfarash, Francisco Solorio-Sánchez, Rafael Rojas-Herrera, Victor Toledo-Lopez, and Yaser Elderwy. • The 8th Scientific Conference for Jouior Reserchers, April 19, 2015. Assiut, Egypt. • The 7th Scientific Conference for Jouior Reserchers, April 28, 2014. Assiut, Egypt. • The 7th International Conference for Development and Environment in the Arab World, March 23-25, 2014. Assiut, Egypt. • The 2nd International Conference on Biotechnology Applications in Agriculture, April 8-12, 2014. Moshtohor - Hurghada, Egypt. • The 18th Annual Symposium organised by the Belgium Society for Microbiology (BSM), November 30th, 2012. Brussels, Belgium. • The 112th General Meeting by ASM, June 16 - 19, 2012. San Francisco, USA. <ul style="list-style-type: none"> -Poster presentation: Identification of the receptors for the <i>Pseudomonas</i>

	<p><i>aeruginosa</i> pyocins S4 and S5. Ameer Elfarash and Pierre Cornelis.</p> <ul style="list-style-type: none"> Life, Death and Survival of Micro-organisms meeting organised by Belgium Society for Microbiology (BSM), November 16th, 2011. Brussels, Belgium. -Poster presentation: Characterization of the soluble pyocins S4 from <i>Pseudomonas aeruginosa</i>. Ameer Elfarash and Pierre Cornelis. The 13th International Conference on <i>Pseudomonas</i>, Sept 4-7, 2011. Sydney, Australia. -Poster presentation: Characterization of the soluble pyocins S4 from <i>Pseudomonas aeruginosa</i>. Ameer Elfarash and Pierre Cornelis. Interfacing Systems Biology and Synthetic Biology Workshop organised by the Belgium Society for Microbiology (BSM), March 25th, 2010. Brussels, Belgium. Analyzing complex microbial communities and their host microbe interactions Symposium organised by the Belgium Society for Microbiology (BSM), December 1th, 2009. Brussels, Belgium.
<p>Organizing Conferences</p>	<ul style="list-style-type: none"> Molecular Genetics & Biotechnology Seminars- MGBS (2024). Faculty of Agriculture, Assiut University, Egypt. 1st Conference of Applied Molecular Biology (8-9, May 2023). Molecular Biology Research & Studies Institute, Assiut University, Assiut University, Egypt. Cereal Molecular Breeding and Genetics - International Symposium (November 2022). Faculty of Agriculture, Assiut University, Egypt. Molecular Genetics & Biotechnology Seminars - MGBS (15.05.2022- 17.07.2022). Faculty of Agriculture, Assiut University, Egypt. 3rd International Plant Genetics and Genomics Symposium (November 2021). Faculty of Agriculture, Assiut University, Egypt. 2nd International Plant Genetics and Genomics Symposium (October 2020). Faculty of Agriculture, Assiut University, Egypt. 1st International Plant Genetics and Genomics Symposium (October 2019). Faculty of Agriculture, Assiut University, Egypt. Plant Genetics Seminars – PGS (15.09.2017- 01.01.2018). Faculty of Agriculture, Assiut University, Egypt. The 8th Scientific Conference for Junior Researchers (April 19, 2015). Assiut, Egypt. The 7th International Conference for Development and Environment in the Arab World (March 23-25, 2014). Assiut, Egypt.
<p>Organizing training courses</p>	<ul style="list-style-type: none"> Gene Cloning (Recombinant DNA Technology). (Molecular Biology Research Unit, Assiut Univ., Egypt) 12 – 14 /12/2017. PCR and its Applications (Central Laboratories, Fac. of Agric., Assiut Univ., Egypt) 2-3/12/2017. Principals and Application of PCR " level 1" (Molecular Biology Research Unit, Assiut Univ., Egypt) 7-8/11/2017. Real-time PCR & DNA sequencing "Techniques & Applications" (Molecular Biology Research Unit, Assiut Univ., Egypt) 4 – 6 /4/2017. Principals and Application of PCR " level 1" (Molecular Biology Research Unit, Assiut Univ., Egypt) 14-16/3/2017. Gene Cloning (Recombinant DNA Technology). (Molecular Biology Research Unit, Assiut Univ., Egypt) 19 – 21 /4/2016.

	<ul style="list-style-type: none"> • PCR: Different Techniques & Applications " level 2" (Molecular Biology Research Unit, Assiut Univ., Egypt) 5-7/4/2016. • Polymerase chain reaction (PCR) Basic Principals " level 1" (Molecular Biology Research Unit, Assiut Univ., Egypt) 23-24/3/2016. • Basic Principles and New Techniques in Protein Analysis. (Molecular Biology Research Unit, Assiut Univ., Egypt) 28 – 29 /4/2015. • Applications of Bioinformatics in Molecular Biology. (Molecular Biology Research Unit, Assiut Univ., Egypt) 22- 23/4/2015. • From Gene to Protein. (Molecular Biology Research Unit, Assiut Univ., Assiut, Egypt) 16-18/12/2014. • Principles and Different Applications of DNA sequencing “Level 2” (Molecular Biology Research Unit, Assiut Univ., Egypt) 9 – 11 /12/2014. • PCR Principals and Application " level 1" (Molecular Biology Research Unit, Assiut Univ., Egypt) 11-13/11/2014. • Applications of Bioinformatics in Molecular Biology. (Molecular Biology Research Unit, Assiut Univ., Egypt) 7- 8/4/2014. • From Gene to Protein. (Molecular Biology Research Unit, Assiut Univ., Egypt) 31/3 – 2 /4/2014. • Advanced Theoretical and Practical Topics in Molecular Biology Field "PCR Types & DNA Sequencing” (Molecular Biology Research Unit, Assiut Univ., Egypt) 16 - 18/12/2013. • Basic Principles and Techniques of Protein Analysis. (Molecular Biology Research Unit, Assiut Univ., Egypt) 2 – 3 /12/2013 . • Basic Principles and Techniques of PCR “Level 1”. (Molecular Biology Research Unit, Assiut Univ., Egypt) 25 – 27 /11/2013. • Principles of Biotechnology. (Biotechnology Lab., Dept. of Genet., Fac. of Agric., Assiut Univ., Assiut, Egypt) 11-14/10/2008. • Principles of Molecular Biology. (Biotechnology Lab., Dept. of Genet., Fac. of Agric., Assiut Univ., Assiut, Egypt) 23-26/2/2008. • Principles of Molecular Biology. (Biotechnology Lab., Dept. of Genet., Fac. of Agric., Assiut Univ., Assiut, Egypt) 8-10/9/2007.
Teaching Experience	<ul style="list-style-type: none"> • Principles of genetics, Principles of Biotechnology, Applied Biotechnology, Recent trends in genetics, Advanced genetics, Molecular biology, Molecular genetics, Genetic Engineering, Applications of Genetic Engineering Cell biology, Principles of Bioinformatics, Microbial Genetics, Fungal Genetics, Virus Genetics, Immunogenetics, Veterinary genetics, Cytogenetics, Mutation biology, and Population Genetics.
Academic activities	<ul style="list-style-type: none"> • Participation in examination and discussion committees for many master’s and doctoral theses - Assiut University • Participating in the description and development of many academic courses in the Department of Genetics - Assiut University. • Participation in developing the internal regulations of the Department of Genetics - Assiut University. • Establishing, equipping and developing the Microbial Genetics Laboratory in the Department of Genetics - Assiut University. • Supervisor of the Molecular Biology Laboratory - Central Laboratories - Assiut University. • Supervisor of the Microbial Genetics Laboratory - Genetics Department - Assiut

	<p>University.</p> <ul style="list-style-type: none"> • Participation in the purchase of many modern devices in the Department of Genetics - Assiut University. • Assignment to teach several courses for graduate students at the Institute of Molecular Biology Research and Studies at Assiut University • Assignment to teach many courses for undergraduate and postgraduate students at Aswan University • Participation in the department's book purchasing committees. • Participate in supervising summer training. • Member of the Genetics Department Council since 2013
Attended training courses given by Faculty and Leadership Development center	<ul style="list-style-type: none"> • Organizing scientific conferences, 12/20-21/2013 • Strategic planning, 11/29-30/2014 • University administration, 16-18/2/2013 • How to write a competitive research project, 9-11/2/2013 • Quality standards in the teaching process, 5/24-26/2008 • Exam types and evaluating students, 3-5/5/2008 • Financial and legal aspects of university work, 19-21/4/2008 • Effective offer, 2-14/4/2008 • Professional conduct, 29-31/3/2008 • Scientific publishing, 29-31/3/2008 • Effective communication skills, 14-16/4/2007 • Recent trends in teaching, 3/24-26/2007 • Thinking skills, 02/26-28/2007 • Teaching with Technology, 6/26-29/2005
Web page	http://www.aun.edu.eg/membercv.php?M_ID=1364
Google Scholar	https://scholar.google.com.eg/citations?user=sa3wpYEAAAAJ&hl=ar