**CURRICULUM VITAE**

**Basic Information:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Name: Ahmed Osama Mostafa El Gendy**

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**Profile: (maximum 5 lines)\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

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| **Military service:** | Exempted from military services. |  |
| **Marital status:** | Married, with three children. |
| **Gender**  **Date of Birth:** | Male  January 23, 1984. |

**Education :\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

1. **B.Sc. Of Pharmaceutical sciences** (**Excellent with honor degree**), Cairo University, Beni Sueif Branch, May, 2005.
2. **Prerequisite graduate courses towards the M.Sc., degree:** (with general grade very good), Faculty of Pharmacy, Cairo University, Academic year February 2006, Exams January 2007 and results appeared at April 2007.
3. **M.Sc. of Microbiology and Immunology**, Beni-Suef University, March, 2010.
4. **PhD of Microbiology and Immunology**, Beni-Suef University, January, 2013.

**Professional Experience: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

1) Demonstrator of microbiology at the Faculty of Pharmacy, Beni Sueif (Teaching practical course for 2nd, and 3rd year pharmacy students including introduction to practical pharmaceutical microbiology, practical bacteriology, serology and parasitology), 2005-2010.

2) Visiting researcher at “Laboratory of Microbial Gene Technology and Food Microbiology” at the Department of Chemistry, Biotechnology, and Food Science at the Norwegian University of Life Science during a period from August 2008 - June 2009.

3) Assistant lecturer in the same faculty, 2010-2013.

4) Lecturer in the same faculty, 2013 – now.

5) Lecturer at the faculty of Postgraduate Studies for Advanced Sciences, Beni-Suef University from September 2013 – now.

6) Lecturer at the faculty of Pharmacy, Nahda University, Beni-Suef University from September 2015 – now.

**Additional information: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Fields of research and interest:**

1. Natural products from Actinomycetes isolated from different niches.
2. Bacteriocins and antimicrobial peptides recovered from lactic acid bacteria (Characterization, Purification and Genotypic analysis)
3. Mycology, Biofilm & Quorum sensing : Induction of Candida biofilm formation , determination of antifungal susceptibilities of biofilm-grown Candida isolates, measuring extent of penetration of antifungal agents through biofilms, Viable count of biofilm cells exposed to antifungal agents and Scanning electron microscopy (SEM) of Candida albicans biofilm before and after antifungal challenging.
4. Performing of antimicrobial susceptibility techniques including disk diffusion method and MIC determination for bacterial clinical isolates.
5. Bacteriology: Isolation and identification of clinical microbial microorganisms (which include E. coli, Klebsiella spp. Enterobacter spp. Staphylococcus spp., Pseudomonas spp.) using variety of media and biochemical tests.
6. ELISA (Enzyme-linked Immuno-Sorbant Assay) applications.
7. Molecular techniques (genomics and proteomics) related to bacteriocins encoding genes isolated from lactic acid bacteria.
8. Bioinformatics: Bioinformatics and its applications in biomedical and pharmaceutical sciences.

**Publications ( last five years ) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

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| [Exploring the Antimicrobial and Antitumor Potentials of Streptomyces sp. AGM12-1 Isolated from Egyptian Soil](https://scholar.google.com/citations?view_op=view_citation&hl=en&user=V3wZiOcAAAAJ&sortby=pubdate&citation_for_view=V3wZiOcAAAAJ:ULOm3_A8WrAC)  MS Ahmad, **AO El-Gendy**, RR Ahmed, HM Hassan, HM El-Kabbany, ...  Frontiers in Microbiology 8 | 2017 |
| [Gut microbiome alterations in patients with stage 4 hepatitis C](https://scholar.google.com/citations?view_op=view_citation&hl=en&user=V3wZiOcAAAAJ&sortby=pubdate&citation_for_view=V3wZiOcAAAAJ:kNdYIx-mwKoC)  AM Aly, A Adel, **AO El-Gendy**, TM Essam, RK Aziz  Gut Pathogens 8, 42 | 2016 |
| [Biological and Chemical Investigation of the Soft Coral Lobophytum pauciflorum Collected from the Egyptian Red Sea](https://scholar.google.com/citations?view_op=view_citation&hl=en&user=V3wZiOcAAAAJ&sortby=pubdate&citation_for_view=V3wZiOcAAAAJ:8k81kl-MbHgC)  SMA Hassan M H A, Mohammed R, Hetta M H, Abdelaziz T A, **El-Gendy A O**  International Journal of Pharmacognosy and Phytochemical Research 8 (6), 906-911 | 2016 |
| [In-vitro Cyclooxygenase Inhibitory, Antioxidant and Antimicrobial Activities of Phytochemicals Isolated from Crassula arborescens (Mill.)Willd](https://scholar.google.com/citations?view_op=view_citation&hl=en&user=V3wZiOcAAAAJ&sortby=pubdate&citation_for_view=V3wZiOcAAAAJ:KlAtU1dfN6UC)  SEH Rabab Mohammed, Sameh AbouZid, Zeinab Y Ali, **Ahmed O El-Gendy**, Ahlam ...  International Journal of Applied Research in Natural Products 9 (4), 8-14 | 2016 |
| [Nanotechnology: a valuable strategy to improve bacteriocin formulations](https://scholar.google.com/citations?view_op=view_citation&hl=en&user=V3wZiOcAAAAJ&sortby=pubdate&citation_for_view=V3wZiOcAAAAJ:3fE2CSJIrl8C)  HA Fahim, AS Khairalla, **AO El-Gendy**  Frontiers in Microbiology 7 | 2016 |
| [Synthesis of some benzothiazole derivatives evaluated as antimicrobials and antibiofilms](https://scholar.google.com/citations?view_op=view_citation&hl=en&user=V3wZiOcAAAAJ&sortby=pubdate&citation_for_view=V3wZiOcAAAAJ:hqOjcs7Dif8C)  GS Hassana, FM Awdallah, MT El-Saadi, **AO Elgendi**, LR Hemeda  Journal of Chemical and Pharmaceutical Research 7 (7), 1125-1143 | 2015 |
| [Design, Synthesis and Evaluation of Novel Phthalimide Derivatives as in Vitro Anti-Microbial, Anti-Oxidant and Anti-Inflammatory Agents](https://scholar.google.com/citations?view_op=view_citation&hl=en&user=V3wZiOcAAAAJ&sortby=pubdate&citation_for_view=V3wZiOcAAAAJ:Se3iqnhoufwC)  PF Lamie, JN Philoppes, **AO El-Gendy**, L Rarova, J Gruz  Molecules 20 (9), 16620-16642 | 2015 |
| [Comparative Studies on the Antimycotic Activities of Commercially Available Vaginal Douches in the Egyptian Market](https://scholar.google.com/citations?view_op=view_citation&hl=en&user=V3wZiOcAAAAJ&sortby=pubdate&citation_for_view=V3wZiOcAAAAJ:MXK_kJrjxJIC)  ZMM Sameh M.M. AbdelGhani, **Ahmed O. El-Gendy**, Magdy A. Amin  New Egyptian Journal of Microbiology 42, 2 | 2015 |
| [The fsr Quorum-Sensing System and Cognate Gelatinase Orchestrate the Expression and Processing of Proprotein EF\_1097 into the Mature Antimicrobial Peptide Enterocin O16](https://scholar.google.com/citations?view_op=view_citation&hl=en&user=V3wZiOcAAAAJ&sortby=pubdate&citation_for_view=V3wZiOcAAAAJ:LkGwnXOMwfcC)  H Dundar, DA Brede, SL La Rosa, **AO El-Gendy**, DB Diep, IF Nes  Journal of bacteriology 197 (13), 2112-2121 | 2015 |
| [Comparative chemical and antimicrobial study of nine essential oils obtained from medicinal plants growing in Egypt](https://scholar.google.com/citations?view_op=view_citation&hl=en&user=V3wZiOcAAAAJ&sortby=pubdate&citation_for_view=V3wZiOcAAAAJ:ufrVoPGSRksC)  N Tarek, HM Hassan, SMM AbdelGhani, IA Radwan, O Hammouda, **AO El-Gendy**  Beni-Suef University Journal of Basic and Applied Sciences | 2014 |
| [Purification and characterization of Enterocin OS13 α & β; novel bacteriocins from a food isolate Enterococcus faecalis OS13 with potent activity towards antibiotic resistant nosocomial enterococci](https://scholar.google.com/citations?view_op=view_citation&hl=en&user=V3wZiOcAAAAJ&sortby=pubdate&citation_for_view=V3wZiOcAAAAJ:Tyk-4Ss8FVUC)  **AO El-Gendy**, DA Brede,TM Essam, MA Amin, SH Ahmed  The International Scientific Conference on Bacteriocins and Antimicrobial ... | 2013 |
| [Measuring susceptibility of Candida albicans biofilms towards antifungal agents](https://scholar.google.com/citations?view_op=view_citation&hl=en&user=V3wZiOcAAAAJ&sortby=pubdate&citation_for_view=V3wZiOcAAAAJ:UeHWp8X0CEIC)  SH Ahmed, MA Amin, AE Saafan, **AO El-Gendy**, M ul Islam  Der Pharmacia Lettre 5 (1), 376-383 | 2013 |
| [Clinical Screening for Bacteriocinogenic Enterococcus faecalis Isolated from Intensive Care Unit Inpatient in Egypt](https://scholar.google.com/citations?view_op=view_citation&hl=en&user=V3wZiOcAAAAJ&sortby=pubdate&citation_for_view=V3wZiOcAAAAJ:qjMakFHDy7sC)  **AO El-Gendy**, TM Essam, MA Amin, SH Ahmed, IF Nes  Journal of Microbial & Biochemical Technology 4 (7), 161-167 | 2012 |
| [Antifungal Susceptibilities and Penetrations of Planktonic and Sessile Candida albicans Isolated From Urinary Tract Infections and Vaginitis From Beni-Suef City, Egypt](https://scholar.google.com/citations?view_op=view_citation&hl=en&user=V3wZiOcAAAAJ&sortby=pubdate&citation_for_view=V3wZiOcAAAAJ:zYLM7Y9cAGgC)  SH Ahmed, MA Amin, AE Saafan**, AO El-Gendy**  The Egyptian Journal of Medical Microbiology (EJMM) 20 (4), 107-121 | 2011 |