



Mostafa Nasr Taha Ahmed

Lecturer of Microbiology and Immunology

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EDUCATION:

- Nov. 2014 – Jul. 2019** **PhD**| Microbiology and Immunology Department, Faculty of Pharmacy, Beni-Suef University.
▪ **Dissertation:** "Screening for quorum-sensing inhibitor(s) that can control biofilm formation and virulence factors of *Pseudomonas aeruginosa*"
- Sep. 2008 – Dec. 2013** **MSc**| Microbiology and Immunology Department, Faculty of Pharmacy, Beni-Suef University.
▪ **Dissertation:** "Detection of some genes of β -Lactamases produced by *Staphylococcus aureus*"
- Sep. 2002 – May 2007** **Bachelor's degree**| Pharmaceutical Sciences, Faculty of Pharmacy, Beni-Suef University. **Grade:** Excellent with honor degree (**86.35%**).

WORK EXPERIENCE

- Sep. 2019 – Present** **Lecturer**| Microbiology and Immunology Department, Faculty of Pharmacy, Nahda University in Beni-Suef (NUB).
- Jan. 2014 – Aug. 2019** **Assistant Lecturer**| Microbiology and Immunology Department, Faculty of Pharmacy, Nahda University in Beni-Suef (NUB).
- Sep. 2008 – Dec. 2013** **Demonstrator**| Microbiology and Immunology Department, Faculty of Pharmacy, Nahda University in Beni-Suef (NUB).

PUBLICATIONS

- Nov. 2023** ▪ Ahlam Alasiri, Raya Soltane, **Mostafa N. Taha**, Rehab H. Abd El-Aleam, Fatma Alshehri, Ahmed M. Sayed (2023) **Bakuchiol inhibits *Pseudomonas aeruginosa*'s quorum sensing-dependent biofilm formation by selectively inhibiting its transcriptional activator protein LasR**, *International Journal of Biological Macromolecules*, 255, 128025,
- Oct. 2023** ▪ Raya Soltane, Ahlam Alasiri, **Mostafa N. Taha**, Rehab H. Abd El-Aleam, Kawthar Saad Alghamdi, Mosad A. Ghareeb, Doaa Elghareeb Keshek, Susana M. Cardoso, Ahmed M. Sayed (2023) **Norlobaridone inhibits quorum sensing-dependent biofilm formation and some virulence factors in *Pseudomonas aeruginosa* by disrupting its transcriptional activator protein LasR dimerization**, *Biomolecules*

- Apr. 2023
- Rehab H. Abd El-Aleam, Ahmed M. Sayed, **Mostafa N. Taha**, Riham F. George, Hanan H. Georgey, Hamdy M. Abdel-Rahman (2022) **New benzimidazole derivatives targeting LasR with antibiofilm efficacy against *Pseudomonas aeruginosa*: An integrated in vitro and molecular dynamics simulation-based investigation**, *Journal of Molecular Structure*, 1277, 134856.
- Aug. 2022
- Rehab H. Abd El-Aleam, Ahmed M. Sayed, **Mostafa N. Taha**, Riham F. George, Hanan H. Georgey, Hamdy M. Abdel-Rahman (2022) **Design and synthesis of novel benzimidazole derivatives as potential *Pseudomonas aeruginosa* anti-biofilm agents inhibiting LasR: Evidence from comprehensive molecular dynamics simulation and in vitro investigation**, *European Journal of Medicinal Chemistry*, **241**, 114629.
- May 2022
- Ehab M. Mostafa, Mohamed A. Abdelgawad, Arafa Musa, Nasser Hadal Alotaibi, Mohammed H. Elkomy, Mohammed M. Ghoneim, Mona Shaban E. M. Badawy, **Mostafa N. Taha**, Hossam M. Hassan, and Ahmed A. Hamed (2022) **Chitosan Silver and Gold Nanoparticle Formation Using Endophytic Fungi as Powerful Antimicrobial and Anti-Biofilm Potentialities**. *Antibiotics*, **11**(5): 668.
- Jun. 2019
- **Mostafa N. Taha**, Amal E. Saafan, A. Ahmady, Eman El Gebaly, and Ahmed S. Khairalla (2019). **Two novel synthetic peptides inhibit quorum sensing-dependent biofilm formation and some virulence factors in *Pseudomonas aeruginosa* PAO1**. *Journal of Microbiology*, **57**, 618-625.
- Dec. 2013
- Sameh M. AbdelGhani, Khaled H. Abd El Galil, **Mostafa N. Taha**, and Wael A. El-Naggar (2013). **Phenotypic and genotypic detection of β -lactamase produced by clinical *Staphylococcus aureus* isolates**. *New Egyptian Journal of Microbiology*, **36**, 136-151.

CONFERENCES

- 14th & 15th May. 2023
- 11th International Scientific Conference On "**Authenticity for Excellence in Pharmacy (Egypt Healthcare Vision 2030)**" at Faculty of Pharmacy, Cairo University.
- 23rd & 24th Nov. 2022
- 2nd International Conference & Exhibition On "**Pharmaceutical and Health Care Sciences**" at Faculty of Pharmacy, Alexandria University.
- 21st May 2022
- XXXVI International scientific conference of pharmaceutical sciences; "**The future of pharmaceutical industry in Egypt**" organized by **Egyptian Pharmaceutical Society** at Faculty of Pharmacy, Future University.
- 20th & 21st Mar. 2022
- First International Conference on Pharmaceutical and Bio-medical Research; "**New Horizons in Pharmaceutical Sciences**" at Faculty of Pharmacy, Sinai University.
- 1st & 2nd Mar. 2022
- Third International Conference of Scientific Research in Pharmacy; "**New Trends in Pharmaceutical sciences**" at Faculty of Pharmacy, Nahda University.
 - Participated by a *poster* entitled "*Effect of Ricinus communis seeds extract and Garlic juice on quorum sensing dependent biofilm formation and some virulence factors in Pseudomonas aeruginosa PAO1*"

- 15th & 16th Feb. 2021
 - First International Pharmaceutical Conference of Scientific Research in Pharmacy; "**New Challenges in Pharmaceutical Research & Education in Egypt**" at Faculty of Pharmacy, Pharmaceutical Manufacturing, Deraya University.

- 11th & 12th Mar. 2019
 - Second Conference of Scientific Research in Pharmacy; "**Future Insights**" at Faculty of Pharmacy, Nahda University.
 - Participated by a *poster* entitled "*Effect of Anethum graveolens seeds extract on biofilm formation and virulence factors production by Pseudomonas aeruginosa PAOI*"

- 6th & 7th Mar. 2018
 - First Conference of Scientific Research in Pharmacy; "**Future Insights**" at Faculty of Pharmacy, Nahda University.

- 1st & 2nd Feb. 2017
 - "**6th SCITA Biofans Conference**", Conferences Hall Kasr El Aini, hosted by SCITA team.

- 1st & 2nd Feb. 2016
 - "**5th SCITA Biofans Conference**", Conferences Hall Kasr El Aini, hosted by SCITA team.

- 7th Apr. 2015
 - "**Biotechnology for the emerging economies**" Conference, hosted by Microbiology and Immunology Department, Faculty of Pharmacy, Beni-Suef University.

COURSES and WORKSHOPS

- 8th & 9th Oct. 2023
 - "**Organizing Exams and Evaluating Students**" hosted by National Authority for Quality Assurance and Accreditation of Education, Egypt (NAQAAE).

- 4th & 5th Oct. 2023
 - "**Teaching and Learning Strategies**" hosted by National Authority for Quality Assurance and Accreditation of Education, Egypt (NAQAAE).

- 25th - 27th Sep. 2023
 - "**Self-Evaluation course**" hosted by National Authority for Quality Assurance and Accreditation of Education, Egypt (NAQAAE).

- 20th & 21st Sep. 2023
 - "**Strategic Planning course**" hosted by National Authority for Quality Assurance and Accreditation of Education, Egypt (NAQAAE).

- 20th Sep. 2023
 - **STDF Nature Research Academies workshop "Impressive Academic Presentations"** in Collaboration with Egyptian Knowledge Bank (EKB).

- 22nd Jan. 2023
 - **STDF Nature Research Academies workshop "Research Methodology"** in Collaboration with Egyptian Knowledge Bank (EKB).

- 15th Jan. 2023
 - **STDF Nature Research Academies workshop "Writing A Research Paper"** in Collaboration with Egyptian Knowledge Bank (EKB).

- 4th Jan. 2023
 - **STDF Nature Research Academies workshop "Grant Writing"** in Collaboration with Egyptian Knowledge Bank (EKB).

- 20th Dec. 2022
 - "**Bioinformatics and Predictive Modeling in the Realm of Personalized Medicine**" hosted by Faculty of Pharmacy, Nahda University.

- 31st Jul. 2022
 - "**Best Practice Scientific writing and Publishing workshop**", hosted by American Society of Microbiology.

- 3rd & 4th Feb. 2017
 - "**Bioinformatics workshop**", hosted by SCITA team.

- 25th Jul. 2016
 - Completed the requirements for the "**Pharmacy Oncology Symposium**", hosted by ST. JOHN'S University College of Pharmacy and Health Sciences.
- 30th Mar. – 1st Apr. 2015
 - The Bioskill II "Techniques of DNA isolation & analysis" workshop, hosted by **Zewail City for Science and Technology**.
- 12th – 24th Aug. 2006
 - **Medical Representative** training program hosted by **Pfizer Company**.
- 16th – 27th Jul. 2006
 - Training program on **Quality control** hosted by **VACSERA Company**.
- 1st – 15th Jul. 2006
 - Training program on **Quality control** and **production** department hosted by **MEMPHIS Company**.
- Apr. 2006
 - Student Skills Development Program (**SSDP**), Certified by **Novartis company**. (Including Interview skills, Skills orientation about pharmacist on Counter and personal soft skills (Self-confidence))
- Apr. 2005
 - Apr 2005 Student Skills Development Program (**SSDP**), Certified by **Bristol Myers Squibb Company** (Including introduction to the pharmaceutical market and Egyptian Career Path).

AWARDS

- Aug. 2022
 - Honor celebration from Faculty of Pharmacy, Nahda University in Beni-Suef (NUB) for the outstanding performance for publishing international papers during the academic year 2021-2022.
- Mar. 2022
 - Honor celebration at the Third International Conference of Scientific Research in Pharmacy hosted by Faculty of Pharmacy, Nahda University in Beni-Suef (NUB) for the outstanding performance and effective contribution to the faculty.
- Dec. 2016
 - Honor celebration of high model Teaching assistants, hosted by Prof. Dr. Dalal abo Elela, Vice-President of Nahda University in Beni-Suef (NUB).
- Dec. 2012
 - Honor celebration of high model demonstrators, hosted by Prof. Dr. Seddik Afifi, President of Nahda University in Beni-Suef (NUB).

LANGUAGES

Arabic: Native

English: Passed the "TOEFL" test with an overall score of (567).

COMPUTER and PROGRAM SKILLS

- Hold the International Computer Driving License "**ICDL**".
- **Graphpad prism® 6:** used for carrying out many statistical tests and graphs.