



## Curriculum Vitae

- Name: **Samar Mansour Solyman**
- Title: **Associate Professor**
- Department: **Microbiology & Immunology**
- E-mail : **samar.mansour@su.edu.eg**

### A) Academic Qualifications:

- Bachelor's Degree in Pharmaceutical Sciences      University of Suez Canal      Year:2001
- Master's Degree in Microbiology & Immunology      University of Suez Canal      Year:2005
- Ph.D. in Comparative Medicine      University of Tennessee      Year 2012

### • Other Qualifications: .....

### B) Academic promotions:

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- Demonstrator,      Date: October 2001
- Assistant Lecturer,      Date: December 2005
- Lecturer,      Date: September 2012
- Assistant Professor,      Date: September 2019
- Professor      Date -

### **C) Scientific Merit:**

- Google Scholar: Samar Solyman
- Scopes ID: Samar Solyman
- Citations: 517                      h-index: 11                      i10-index: 11
- Orcid –N 0000-0002-8450-5940

**D) Academic Administrative Experiences:** Head of the department of Microbiology & Immunology, College of pharmacy, Sinai University-Elkantara. 2022/ 2023

### **E) Scientific Activities**

#### **1: Membership of Professional Organizations and Scientific Societies**

Syndicate of Pharmacists, Ismailia, Egypt (2001-present)

#### **2: Training Courses/workshops:**

#### **3: Conferences, Seminars and Workshops:**

- 1- "The effectiveness of B cell and T cell epitopes cocktail as a potential vaccine against *Staphylococcus aureus* in two murine models" Research presented to the International Conference and Expo on Applied Microbiology | June 17-18, 2022 | Virtual Event
- 2- "Designing of *Staphylococcus aureus* vaccine" Research presented to the Second international conference of Faculty of Pharmacy, Suez Canal University Ismailia-Egypt. December 8 th -9 th , 2019
- 3- "Antiviral activity of Ribavirin Nano-particles against Measles virus" Paper presented at the 1st international Conference of Pharmaceutical and medical sciences, 1-2 April 2017, Cairo, Egypt
- 4- "Genetic diversity of Multidrug Resistant *Staphylococcus aureus* from clinical and non-clinical samples in Egypt" Paper presented at Suez Canal University- Third Young Researchers conference, Ismailia, Egypt, May 2016
- 5- "Molecular characterization of Methicillin resistant *Staphylococcus aureus* isolated from cats in western United States" Paper presented at Suez Canal University- First Young Researchers conference, Ismailia, Egypt, March 2013 Published in the Arabian Journal of Science (AJS)

#### **4: Teaching Scopes:**

Microbiology & Immunology, Molecular Biology, Genetics

#### **5: Scientific supervision number:**

Two PhD and 3 master supervision

#### **6: Awards and Certificates of Appreciation:**

- **Academy of Scientific Research and Technology project:** 'Multi-omics analysis of *Ornithobacterium hominis*' Researcher, French collaboration project awarded May 2023 to May 2025,

-**Academy of Scientific Research and Technology project:**" Design of *Staphylococcus aureus* Vaccine based on multiple B cell and T cell epitopes" Principal investigator, research project awarded April 2022 to January 2024

-**Academy of Scientific Research and Technology Project:**" Metagenomic Analysis of Nasal Associated Bacterial Communities ". Researcher, research project awarded April 2022 to April 2024.

-**Academy of Scientific Research and Technology Project:** "Characterization of metagenome and meta-transcriptome of Microbes associated with Marine Invertebrates" Co- principal investigator, research project awarded August 2020 to August 2023.

-**Academy of Scientific Research and Technology Project:** Principal investigator, "Screening of antiviral activity of bacteria associated with marine invertebrates against COVID-19" research project awarded August 2020 to December 2020.

-**Academy of Scientific Research and Technology Project:** "Rapid detection of coronavirus 'CoVID-19' using Signature Sequence immobilized on capacitive biosensor" Co- principal investigator, research project awarded May 2020 to December 2021 (Code 6906).

-**Science & Technology Development Fund (STDF) project:** Development of *Staphylococcus aureus* Vaccine, principle investigator, research project awarded September 2015 – September 2017, (code 15001)

-**Suez Canal University award for international publications** for the years (2022, 2021, 2020, 2019, 2018, 2017 and 2016)

-**Sinai University award for international publications** for the years 2022 and 2021

#### **7: Peer reviewing of scientific research/ Projects:**

Peer reviewer for the journal of Microorganisms

**8: Scientific Mission:-**

**9: patency: -**

**10: Consultancy Experience:**

**11: Other Activities:**

**F) Scientific Publications:**

Last 10 year of published Scientific Papers

**-International journals**

- 1- Rehab E. Farhan, **Samar M Solyman**, Amro M Hanora and Marwa M Azab: Molecular detection of different virulence factors genes harbor PslA, PelA, ExoS, ToxA and AlgD among biofilm-forming clinical isolates of *Pseudomonas aeruginosa*. Cellular and Molecular Biology, 2023, 69(5): 32-39
- 2- Engy. M. Ahmed, Abeer. A. Boseila, Amro, S. Hanora and **Samar. M. Solyman**: Antiviral and protective effect of small interfering RNAs against Rift Valley Fever Virus in Vitro. [Mol Biol Rep.](#) 2023; 50(7): 5837–5848.
- 3- Manar El Samak, Samira Zakeer, Amro Hanora and **Samar M. Solyman**: Metagenomic and metatranscriptomic exploration of the Egyptian Red Sea sponge Theonella sp. associated microbial community. [Marine Genomics](#) 70 (2023)101032
- 4- Heba Ahmed Hussein, Amro Hanora, **Samar M. Solyman**, Rabeay Younes Hassan: "Designing and Fabrication of Electrochemical Nano-biosensor for the Fast Detection of SARS-CoV-2-RNA". Scientific reports, (2023) 13:5139. <https://doi.org/10.1038/s41598-023-32168-5>
- 5- Esraa Elsaed, Shymaa Enany, **Samar. M. Solyman**, Mohamed Shohayeb, Amro Hanora: Mining Chromodoris quadricolor symbionts for biosynthesis of novel secondary metabolites. [Marine Genomics Volume 68](#), April 2023, 101017
- 6- Hossam Elfeky, Amro Hanora and **Samar M. Solyman**: Bioactivity of bacteria associated with Red Sea nudibranchs and whole genome sequence of Nocardiosis dassonvillei. [Marine Genomics Volume 67](#), (2023), 101004
- 7- Hasnaa L. Kamel, Amro Hanora and **Samar M. Solyman**: Metataxonomic, bioactivity and microbiome analysis of Red Sea marine sponges from Egypt. 2022. Marine genomics 61 (22) 100920.

- 8- **Samar M. Solyman**, Mohamed A. Reda, and Amro Hanora: Expression and purification of zinc metalloproteinase aureolysin for testing as potential vaccine candidate against *Staphylococcus aureus*. 2021. African Journal of Biotechnology 20(2):77-84. DOI: [10.5897/AJB2020.17229](https://doi.org/10.5897/AJB2020.17229)
- 9- Mohamed A. Soltan, Dalia Magdy, **Samar M. Solyman**, and Amro Hanora: Design of *Staphylococcus aureus* New Vaccine Candidates with B and T Cell Epitope Mapping, Reverse Vaccinology, and Immunoinformatics. OMICS A Journal of Integrative Biology, Volume 24, Number 0, 2020.
- 10- Nada Ahmed, Nora Fahmy Mamoud, **Samar M. Solyman**, and Amro Hanora: Human Nasal Microbiome as Characterized by Metagenomics Differs Markedly between Rural and Industrial Communities in Egypt. OMICS A Journal of Integrative Biology 2019. Volume 23, Number 11, Pages 573-582.
- 11- Mohammed Ramadan, Samar M. Solyman, Mamdouh Yones, Hamada Halaby, Yasser Abdallah and Amro Hanora: Skin Microbiome Differences in Atopic Dermatitis and Healthy Controls in Egyptian Children and Adults and Association with Serum IgE. OMICS A Journal of Integrative Biology 2019. Volume 23, Number 5, Pages 247-260.
- 12- Engy. Ahmed, **Samar M. Solyman**, Noha. Mohamed, Abeer.A. Boseila and Amro, S. Hanora: Antiviral activity of Ribavirin Nano-particles against Measles virus. Cell Mol Biol. 2018 Jun 30;64(9):24-32.
- 13- Manar El Samak, **Samar M. Solyman** and Amro Hanora: Antimicrobial activity of bacteria isolated from Red Sea marine invertebrates. Biotechnology Reports, e00275, 2018. <https://doi.org/10.1016/j.btre.2018.e00275>
- 14- Mahmoud Bakr, **Samar Solyman**, Ahmed El-Batal, and Amro Hanora: Evaluation of silver nanoparticles as disinfectant in surgical operating rooms. Der Pharmacia Lettre, 2017, 9 [10]:1-23
- 15- Ricardo Videla, **Samar M. Solyman**, Akshar Brahmbhatt, Leslie Sadeghi, David A. Bemis, Stephen A. Kania: Clonal Complexes and Antimicrobial Susceptibility Profiles of *Staphylococcus pseudintermedius* isolates from Dogs in the United States. Microb Drug Resist. 2018 Jan/Feb;24(1):83-88. doi: 10.1089/mdr.2016.0250. Epub 2017 May 15.
- 16- Mohamed Ramadan, **Samar Solyman**, Mohamed Taha and Amro Hanora: Analysis of Human Healthy Skin Microbiome in Egyptian Individuals, Cell Mol Biol. 2016 Jul 31;62(8):21-7.
- 17- Mahmoud M. Bendary, **Samar M. Solyman**, Nora F. Mahmoud, Marwa M. Azab and Amro M. Hanora, Characterization of Methicillin Resistance *Staphylococcus aureus* isolated from human and animal samples in Egypt, Cell Mol Biol. 2016 Feb 29;62(2):94-100.
- 18- Mahmoud M. Bendary, **Samar M. Solyman**, Marwa M. Azab, Nora F. Mahmoud and Amro M. Hanora: Genetic diversity of Multidrug Resistant *Staphylococcus aureus* from clinical and non-clinical samples in Egypt. Cell Mol Biol. 2016 Aug 31;62(10):55-61.

**- National journals**

- 1- E Elsaeed, S Enany, **S Solyman**, M Shohayeb, A Hanora: Role of Metaproteomic in the Investigating Marine Life  
Delta University Scientific Journal 6 (2), 95-99
- 2- R Atallah, A Abdelrahman, A Ahmed, **S Solyman**. Study of pathological and biochemical connection of IL-  
polymorphism and Rheumatoid Arthritis and Atopic Dermatitis in Egyptian patients admitted in local clinical  
(2023), Azhar International Journal of Pharmaceutical and Medical Sciences 3 (2), 40-49
- 3- M El Samak, A Hanora, **S Solyman**, SZ Hamad. Biosynthetic activity of Marine Sponge Microbiota. (2023), Re  
Pharmaceutical and Biomedical Sciences 7 (2), 152-166
- 4- R Farhan, A Hanora, MM Azab, **S Solyman**. Detection of resistant and biofilm forming Pseudomonas aeruginosa  
from burn patients in Ismailia governorate. (2023), Records of Pharmaceutical and Biomedical Sciences 7 (2), 143-1
- 5- E Elsaeed, SM Enany, **S Solyman**, M Shohayeba, A Hanora. Natural product biosynthesis in bacteria associated with  
organisms. (2023), Records of Pharmaceutical and Biomedical Sciences 7 (2), 67-79.
- 6- Mohammed Ramadan, **Samar Solyman**, Mamdouh Yones, Hamada Halaby, Yasser Abdallah, Amro Hanora:  
Metagenomic Analysis of Cutaneous Microbiome in Patients with Atopic Dermatitis, Rec. Pharm. Biomed. Sci. 3  
2019
- 7- Mahmoud Abdelfattah, **Samar M. Solyman** and Ali A. Abderahman: Isolation and screening of  
biosurfactant-producing bacteria associated with marine invertebrates from Red Sea, paper accepted for  
publication in New microbiology- Alazhar University Journal November 2018

**G) Quality Assurance in Higher Education:**

- **Reviewer/Auditor**
- **QA Trainer**
- **QA Managing Positions**
- **Training Attended**

**H) Skills**

- Language Skills:...English excellent
- Computer Skills:.....Excellent .
- Presentation skills:...Excellent
- Other skills:.....