

CV

A) Personal data

Name (Arabic)	مروة سيف الملوك السيد إبراهيم
Name (English)	Marwa Seif EL-Melouk EL-Sayed Ibrahim
Date of birth	8 / 6 / 1980
Department	Microbiology and Immunology Department
College	Benha Faculty of Medicine
Academic degree	Assistant Professor
Marital status	-----
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B) Education

Institution	Degree obtained	Year
Benha Faculty of Medicine	Bachelor of Medicine and Surgery	2003
Benha Faculty of Medicine	M.A. of Microbiology and Immunology	2010
Benha Faculty of Medicine	M.D. of Microbiology and Immunology	2015

C) Specialty

General specialty	Microbiology and Immunology
Specific specialty	Virology

D) Language skills

Language	Reading	Speaking	Writing
English	Good	Good	Good

E) Membership of Committees& societies:

1. Member in The Egyptian Society for Medical Microbiology.
- 2.

F) Distinction and Awards:

- 1.
- 2.

G) Courses taught at under graduate level:

1. Bacteriology.
2. Virology.
3. Mycology.
4. Immunology.
5. Applied microbiology.
6. Infection control.

H) Attended Workshops, training, Symposiums and Conferences:

Name of Workshops, Symposiums, and Conferences	Year
▪ The 15 th Conference of The Egyptian Society for Medical Microbiology.	2007
▪ The 16 th Conference of The Egyptian Society for Medical Microbiology.	2009
▪ The 21 st Conference of The Egyptian Society for Medical Microbiology.	2015
▪ "Nanomedicine: The promising Medicine of The Future" Workshop.	2015
▪ The First Annual Clinical Pathology Conference.	2016
▪ The 22 nd Conference of The Egyptian Society for Medical Microbiology.	2016
▪ The 24 th Conference of The Egyptian Society for Medical Microbiology.	2018
▪ 1 st Benha Faculty of Medicine Quality Conference.	2018
▪ The work shop: Requirements for Accreditation and Renewal of Accreditation of High Education Organization During the 1 st Benha Faculty of Medicine Quality Conference.	2018



▪ The 25 th Conference of The Egyptian Society for Medical Microbiology.	2019
▪ The 26 th Conference of the Egyptian Society of Medical Microbiology (ESMM) In Association with Medical Microbiology & Immunology Department, Faculty of Medicine, Cairo University.	2020
▪ The 28 th Conference of The Egyptian Society for Infection Control ESIC (APIC/ Egypt Chapter). One Safety Paradigm. Patients, Provider, Public Safety.	2020
▪ The workshop: PS & OI Shias to Deploy during COVID-19 Surgery during the 28 th Conference of The Egyptian Society for Infection Control ESIC (APIC/ Egypt Chapter). One Safety Paradigm. Patients, Provider, Public Safety.	2020
▪ The 28 th International Conference of the Egyptian Society of Medical Microbiology (ESMM). COVID-19 Pandemic: The Egyptian versus Global Experience.	2021
▪ The 29 th International Conference of the Egyptian Society of Medical Microbiology (ESMM) in Association with the American Society for Microbiology (ASM). Recent Diagnostic, Preventive and Therapeutic Approaches for Infectious Diseases in Medical Microbiology.	2022
▪ The workshop: Measurement of serum expression of miRNA: by quantitative real-time PCR as a part of the activities preceding the 1 st MEDICAL MICROBIOLOGY & IMMUNOLOGY DEPARTMENT CONFERENCE, the 3 rd ALLERGY & IMMUNOLOGY UNIT CONFERENCE, Medical microbiology and immunology department, Faculty of Medicine, Zagazig University. MICROBES AND HUMAN BATTLE: CHALLENGES AND FUTURE PROSPECTS.	2022
▪ The 1 st Annual Medical Microbiology and Immunology Department Conference, Faculty of Medicine, Benha University. ADVANCES IN MICROBIOLOGY AND IMMUNOLOGY "GATE TO THE FUTURE".	2023
▪ The 30 th International Conference of the Egyptian Society for Medical Microbiology (ESMM) in Association with the American Society for Microbiology (ASM) "Conventional Versus Recent Advances in Medical Microbiology".	2023
▪ The workshop: Drug resistance during the 30 th International Conference of the Egyptian Society for Medical Microbiology (ESMM) in Association with the American Society for Microbiology (ASM) "Conventional Versus Recent Advances in Medical Microbiology".	2023
▪ The fungal disease awareness week. Medical Microbiologists and Immunologists Association & Medical Microbiology and Immunology Department/Faculty of Medicine/ Ain Shams University.	2023



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<ul style="list-style-type: none"> The 2nd Annual Medical Microbiology & Immunology Department Conference. Updates in Diagnostic Microbiology & Immunology. 	2024
<ul style="list-style-type: none"> The workshop: Food Allergy "From outside to action level" during the 2nd Annual Medical Microbiology & Immunology Department Conference. Updates in Diagnostic Microbiology & Immunology. 	2024
<ul style="list-style-type: none"> The 31st International Conference of the Egyptian Society for Medical Microbiology (ESMM) in Association with International Society of Antimicrobial Chemotherapy (ISAC), Microbiology Department, Faculty of Medicine, Fayoum University. One Health in Action: Opportunities, Collaboration and Challenges. 	2024
<ul style="list-style-type: none"> The workshop: Antimicrobial resistance and One health Shaping Tomorrow: Greenhouse Gap during the 31st International Conference of the Egyptian Society for Medical Microbiology (ESMM) in Association with International Society of Antimicrobial Chemotherapy (ISAC), Microbiology Department, Faculty of Medicine, Fayoum University. One Health in Action: Opportunities, Collaboration and Challenges. 	2024
<ul style="list-style-type: none"> The Annual Mycology Conference "From lab to clinic: Bridging mycology and clinical practice". Medical Microbiologists and Immunologists Association & Medical Microbiology and Immunology Department/Faculty of Medicine/ Ain Shams University. 	2025
<ul style="list-style-type: none"> The 3rd Annual Medical Microbiology & Immunology Department Conference. Exploring the microbes: A tour at Benha Medical Microbiology Lab. 	2025

I) Activities in faculty / University / Community service:

➤ **Teaching and academic work:**

- Teaching the syllabus of Microbiology & Immunology (General, Systemic, Applied and Practical) to the medical sciences' students; Faculty of Medicine (6+1 and 5+2), Faculty of Nursing and Nursing Institute.
- Teaching the syllabus of Microbiology & Immunology (General, Systemic, Applied and Practical) to the post graduates in Faculty of Medicine and Faculty of Nursing.
- Share in preparation of microbiology & immunology course specification and course report.
- Participating in updating the department books.
- Participating in selecting the questions for written exams and preparation for practical exams.
- The department coordinator of IBL module in the integrated system (2018-2023).

- General coordinator of MDT I module in the integrated system (2023-2025).

➤ **Laboratory work:**

- Microbiological processing and analysis of various clinical specimens (blood, sputum, stool, urine, swabs, etc.) using available manual and automated lab methods.
- Interpretation of the culture results in accordance to the type of the specimen, patient clinical data and contact with the physician if required to differentiate between contaminant, normal flora and true pathogen.
- Antibiotic susceptibility testing for the isolated pathogen through either automated or manual methods following the CLSI guidelines and reporting the results of susceptibility tests taking into consideration CLSI grouping guidelines of the tested antibiotics, institution's antibiotic formulary, site of infection, other associated infections and patient's age and clinical status. Thus, assisting physicians to properly select the optimum, safe antibiotic for the patient and preserving the use of big guns for indicated situations.
- Notification the infection control unit for the alert organisms (e.g. MRSA, VRE, MDR, ESBL, carbapenemase +ve) to apply proper isolation and control policies for such cases.
- Monitoring the rate of isolation of such alert organisms giving feedback to the infection control team to review and monitor the applied policies.
- Checking any organism with unusual antibiotic susceptibility pattern by confirming identification, purity, repetition and send to a reference laboratory to inform about any condition that may represent a public health concern.
- **INSTRUMENT /EQUIPMENT HANDLED:**
 - **BACTEC:** Automated blood culture system.
 - **VITEK 2:** Automated microbial identification and antibiotic susceptibility system
 - **OTHERS:** API, Biosafety cabinet, fluorescent microscope, inverted microscope, light microscope, Centrifuge, Autoclave, water bath, hot air oven, incubator and different culture media and chemical reagents for microbial detection and identification.
- Immunological diagnosis for infectious diseases by various tests (ELISA, agglutination, immunofluorescence,).



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➤ **Control work:**

- Member of the Post Graduate Studies Control (Master's Part 1) (2015-2016).

➤ **Infection Control work:**

- Provide infection control training courses for the health care staff in the university hospital (2016-2017).
- Responsible for the infection control in Endemic Diseases Department and Endoscopy Unit in Benha university Hospital (2016-2017).

➤ **Quality and accreditation work:**

- Quality Coordinator for microbiology and Immunology department (2015-2022); responsible for teaching and learning files for under and post graduate, scientific research files, department files, etc
- Member of the Internal Audit Committee of the quality assurance unit.

J) Papers and researches all of them are published:

▪ **Human Bocavirus among Viral Causes of Infantile Gastroenteritis.**

Wafaa A. EL-Mosallamy, Mohamed G. Awadallah, M. Diaa Abd EL-Fattah, Abeer A. Aboelazm and Marwa S. EL-Melouk. Egyptian Journal of Medical Microbiology, 2015.

▪ **CD26 mRNA Expression Level In Systemic lupus Erythematosus Patients**

Attending Benha University Hospital. Mohamed G. Awadallah, Gamal A. Amer, Rasha M. Fawzy, Marwa S. El-Melouk and Sarah S. Egila. Egyptian Journal of Medical Microbiology, 2020.

▪ **Candida Glabrata fungemia: An emerging threat in Egypt.** AL-Shaimaa M. AL-

Tabbakh and Marwa S. EL-Melouk. Egyptian Journal of Medical Microbiology Volume 29 / No.1 / 2020.

▪ **DEFB1 gene polymorphisms modify vitiligo extent and response to NB-UVB phototherapy.** Rehab Mohammed Salem, Amira Mohamed Noureldin Abdelrahman,

Heba Mohamed Abd El-Kareem and Marwa Seif. Dermatologic Therapy. 2021, DOI: 10.1111/dth.14921.



- **Polymorphism in Toll-like Receptor 10 and Tuberculosis Susceptibility in Egyptian Population.** AL-Shaimaa M. AL-Tabbakh, Rehab S. El Sawy and Marwa S. EL-Melouk. Egyptian Journal of Medical Microbiology Volume 30 / No.2 / 2021.
- **Is serum presepsin levels had accurate discriminative ability for patients vulnerable to develop anastomotic leakage after colorectal anastomosis? A cohort study.** Mokhtar A. Bahbah, Marwa S. EL-Melouk, Maysa S. Mostafa and Taher H. Elwan. The Egyptian Journal of Surgery 2021, 40:1384–1393.
- **Comparison of Histidine rich glycoprotein, a novel biomarker for sepsis, with traditional biomarkers in adult ICU patients.** Mohammed A. Fouad, Ahmed H. Abd Elrahman and Marwa S. EL-Melouk. The Egyptian Journal of Immunology Volume 29 (2), 2022: 41–47.
- **Association of Forkhead Box O3a (FOXO3a) single-nucleotide polymorphism with bronchial asthma in Egyptian population.** Marwa S. EL-Melouk, Mohammed S. Sadek and AL-Shaimaa M. AL-Tabbakh. The Egyptian Journal of Immunology Volume 29 (4), 2022: 25–32.
- **Detection of Genes of Efflux Pumps (adeB, adeJ and adeG) in Tigecycline Resistant Acinetobacter baumannii Isolated from Benha University Hospital.** AL-Shaimaa M. AL-Tabbakh, Sara A. Saied, Amany K. Shahat, Marwa S. EL-Melouk. Egyptian Journal of Medical Microbiology Volume 31 / No.4 / October 2022 131-139.
- **IL-13 rs20541 (R130Q) Single Nucleotide Polymorphism in a Sample of Egyptian Children Suffering from Idiopathic Nephrotic Syndrome.** Marwa S. EL-Melouk, Ahmad A. Sobeih, Hasnaa S. Abd AL-Hamid. Egyptian Journal of Medical Microbiology Volume 32 / No.1 / January 2023 29-35.
- **Hypervirulent Klebsiella pneumoniae at Benha University Hospitals.** Sherin M. Emam, Sawsan Abdelrahman, Amany Abdelaziz Hasan, Marwa S. EL-Melouk. The Egyptian Journal of Hospital Medicine. Volume 90, Issue 2, January 2023, Pages 3592-3597.
- **Potential Role of IL-6 in Inflammatory Arthritis: A Comparative Study.** Athar E. El-Fetiany, Sahar S. Ganab, Reffat M. Al-Tanawy, Rasha M. Fawzy, Marwa S. El-Sayed. The Egyptian Journal of Hospital Medicine (April 2024) Vol. 95, Page 1697-1705.



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- **Cystatin D as a Novel Biomarker for diagnosis of Rheumatoid Arthritis and its relation to disease activity and severity in Egyptian patients.** Nebras A. Elmelegy, Ahmed Y. Youssef, Nashwa I. Baky and Marwa S. El-Melouk. Benha Journal of Applied Sciences (BJAS) Vol. (9) Issue (11) (2024), (1 - 7).
- **Detection of OqxA and OqxB Efflux Pump Genes in Multidrug Resistant Klebsiella Pneumoniae Isolated from Intensive Care Unit Patients.** Mohamed G. Awadallah; Somaya M. Desouky; Mona M. Saleh; Marwa S. El-Melouk. Egyptian Journal of Medical Microbiology Volume 34, Issue 1, January 2025.