

Curriculum Vitae



- **Name:** Yasser El-Mohammadi Mohamed Ragab
- **Title:** Professor & Head of Microbiology and Immunology Department
- **Department:** Microbiology and Immunology
- **E-mail:** yaser.ragab@su.edu.eg

A) Academic Qualifications:

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|--|-------------------|------------|
| - Bachelor's Degree in Pharmaceutical Sciences | University: Cairo | Year: 1989 |
| - Master's Degree in Microbiology and Immunology | University: Cairo | Year: 1997 |
| - Ph.D. in Microbiology and Immunology | University: Cairo | Year: 2005 |

• Other Qualifications:

B) Academic promotions:

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| - Demonstrator, | Date: 1989 |
| - Assistant Lecturer, | Date: 1997 |
| - Lecturer, | Date: 2005 |
| - Assistant Professor, | Date: 2012 |
| - Professor | Date: May 2017 |

D) Academic Administrative Experiences: Head of Microbiology and Immunology
Department, Faculty of Pharmacy, Cairo University

E) Scientific Activities

4: Teaching Scopes:

- 1) Basic microbiology
- 2) Pharmaceutical microbiology
- 3) Biotechnology
- 4) Parasitology
- 5) Immunology
- Medical microbiology
- 7) Virology
- 8) Public Health
- 9) Microbiological Quality Control

5: Scientific supervision number: More than 50 Ph. D. & Master thesis, and 7 thesis at present time.

7: Peer reviewing of scientific research/ Projects:

Future Journal of Pharmaceutical Sciences

F) Scientific Publications:

Last 10 year of published Scientific Papers

- International journals

1) Elzairy, Nermeen & Mostafa, Faten & Abdel Wahab , Walaa & Ragab, Yasser, Hashem, Abdelgawad & Abdel-Naby, Mohamed. 2024.

Enzymatic synthesis of biologically active fructose-based saccharides by *Aspergillus niger* MK788296 levansucrase.

Bioactive Carbohydrates and Dietary Fibre, 31: 100408.

2) Amr Elsayed Ibrahim Elghopashy, Mohamed Abd El-Gawad El-Sayed Ahmed, Yasser M. Ragab, Aymen S. Yassin. 2024.

Molecular characteristics of carbapenem-resistant *Klebsiella pneumoniae* isolates from Egyptian hospitals.

Genomics for Antimicrobial Resistance Surveillance in One Health Symposium. South Africa.

3) Ahmed, Noha & Khattab, Rania & Ragab, Yasser & Hassan, Mariam. (2023).

Safety assessment of *Enterococcus lactis* strains complemented with comparative genomic analysis reveals probiotic and safety characteristics of the entire species. BMC Genomics. 24. 667-684.

4) Kamal, Islam & Abdeltawab, Nourtan & Ragab, Yasser & Farag, Mohamed & Ramadan, Mohammed. 2022.

Biodegradation, decolorization, and detoxification of di-azo dye direct Red 81 by halotolerant, alkali-thermo-tolerant bacterial mixed cultures.

Microorganisms. 10:994 –1019.

5) AlEraky, Doaa & Abuohashish, Hatem & Bugshan, Amr & Abdelsalam, Maha & AlHawaj, Hussain & AlKhamis, Taleb & AlDossary, Fatimah & Alrayes, Nabras & Ragab, Yasser & AbdelKhalek, Zeinab & Helmy, Omneya & Ramadan, Mohammed. 2022.

Potential Antigenic Candidates for the Development of Peptide-Based Vaccines to Induce Immunization against *Helicobacter pylori* Infection in BALB/c Mice.

International Journal of Molecular Sciences, 23 : 12824-12835

6) Shaker, Reham & Nagy, Yosra & Adly, Mina & Khattab, Rania & Ragab, Yasser. 2022.

Acinetobacter baumannii, *Klebsiella pneumoniae* and *Elizabethkingia miricola* isolated from wastewater have biodegradable activity against ...

World Journal of Microbiology and Biotechnology, 38: 187-201.

7) El-batal, Ahmed & Ragab, Yasser & Amin, Magdy & El-Roubi, Ghada & Mosallam, Farag. (2021).

Investigating the antimicrobial, antioxidant and cytotoxic activities of the biological synthesized glutathione selenium nano-incorporation. BioMetals. 34. 1-15.

- 8) Mansour, Nahla & Elkalla, Wagiha & Ragab, Yasser & Ramadan, Mohamed. (2021). Inhibition of acetic acid-induced colitis in rats by new *Pediococcus acidilactici* strains, vitamin producers recovered from human gut microbiota. PLOS ONE. 16. e0255092.
- 9) El-Metwally, Neveen & Khattab, A. & Shafei, Mona & Allam, Reda & Ragab, Yasser & Amin, Magdy. (2021). Cloning of Acetoacetyl-CoA reductase and Polyhydroxybutyrate synthase genes from the local isolate *Bacillus aryabhatai* 6N-NRC into *Escherichia coli*. Research Journal of Pharmacy and Technology. 3299-3306
- 10) Negm, Iman & Ragab, Yasser & Mohamed, Aly. (2021). Outer membrane proteins of *Salmonella typhimurium* as an adjuvant in rabies vaccine. Clinical and Experimental Vaccine Research. 10. 132.
- 11) Nour El-Din, Hanzada & Yassin, Aymen & Ragab, Yasser & Hashem, Abdelgawad. (2021). Phenotype-Genotype Characterization and Antibiotic-Resistance Correlations Among Colonizing and Infectious Methicillin-Resistant *Staphylococcus aureus* Recovered from Intensive Care Units. Infection and Drug Resistance. 14. 1557-1571.
- 12) El-Metwally, Neveen & Allam, Reda & Shafei, Mona & Amin, Magdy & Ragab, Yasser & El-Refai, Heba & Khattab, A. (2020). Optimization of Polyhydroxybutyrate (PHB) Production by Locally Isolated *Bacillus aryabhatai* Using Response Surface Methodology. Current Trends in Biotechnology and Pharmacy. 14. 359-376.
- 13) El-Korany, Sarah & Helmy, Omneya & el halawany, Ali & Ragab, Yasser & Zedan, Hamdallah. (2020). Kojic acid repurposing as a pancreatic lipase inhibitor and the optimization of its production from a local *Aspergillus oryzae* soil isolate. BMC Biotechnology. 20. 52-67.
- 14) Mabrouk, Samar & Ghada, Rabaoui & El-Ansary, Mona & Aboshanab, Khaled & Ragab, Yasser. (2020). Carbapenemase Producers Among Extensive Drug-Resistant Gram-Negative Pathogens Recovered from Febrile Neutrophilic Patients in Egypt. Infection and drug resistance. 13. 3113-3124.
- 15) Khattab, Rania & Ahmed, Noha & Ragab, Yasser & Rasmy, Salwa. (2020). Bacteria producing antimicrobials against *Clostridium difficile* isolated from human stool. Anaerobe. 63. 102206.
- 16) Mabrouk, Samar & Abdellatif, Ghada & El-Ansary, Mona & Aboshanab, Khaled & Ragab, Yasser. 2020.

Carbapenemase Producers Among Extensive Drug-Resistant Gram-Negative Pathogens Recovered from Febrile Neutrophilic Patients in Egypt.
Infection and Drug Resistance, 13: 3113-3124.

- 17) MM Ahmed, KM Aboshanab, YM Ragab, DM Missiakas, KA Aly. 2018.
The transmembrane domain of the *Staphylococcus aureus* ESAT-6 component EssB mediates interaction with the integral membrane protein EsaA, facilitating partially regulated secretion in a heterologous host.
Archives of microbiology 200 (7): 1075-1086
- 18) DM Al-Eraky, OM Helmy, YM Ragab, Z Abdul-Khalek, EA El-Seidi, and MA Ramadan. 2018.
Prevalence of CagA and antimicrobial sensitivity of *H. pylori* isolates of patients with gastric cancer in Egypt.
Infectious agents and cancer 13 (1): 24
- 19) AM Ibrahim, YM Ragab, KA Aly, MA Ramadan. 2018.
Error-prone PCR mutagenesis and reverse bacterial two-hybrid screening identify a mutation in asparagine 53 of the *Staphylococcus aureus* ESAT6-like component EsxB that perturbs interaction with EsxD.
Folia microbiologica 63:483–492.
- 20) YI Nagy, MMM Hussein, YM Ragab, AS Attia. 2017.
Isogenic mutations in the *Moraxella catarrhalis* CydDC system display pleiotropic phenotypes and reveal the role of a palindrome sequence in its transcriptional regulation
Microbiological research 202:71-79.
- 21) Ismail, M.M., Essam, T.M., Ragab, Y.M. and Mourad, F.E. 2017.
"Remediation of a mixture of analgesics in a stirred-tank photobioreactor using microalgal-bacterial consortium coupled with attempt to valorise the harvested biomass."
Bioresource Technology 232:364-371.
- 22) Ismail, M.M., Essam, T.M., Ragab, Y.M. and Mourad, F.E. 2016.
"Biodegradation of ketoprofen using a microalgal–bacterial consortium."
Biotechnology Letters 38(9):1493-1502.
- 23) Hashem, A.M., El-Tayeb, W.N., Ragab, Y.M. and Fathy, D.O. 2016.
"Molecular Identification of *Streptomyces clavuligerus* and Structure Elucidation of Its Antimicrobial Efficiency."
International Journal of Applied and Pure Science and Agriculture 2(4):96-105.
- 24) Adly, N. N., Ragab, Y.M., Hashem, A.M and Ahmady, A.K. 2015.



"Effect of diabetes on occurrence of urinary tract infection and asymptomatic bacteriuria among diabetic and ketacidosis patients in Egypt."

International Research Journal of Microbiology 6(3):27-36.

- National journals

1) Abd-Elsalam, Ibrahim & Shafei, Mona & Allam, Reda & Mostafa, Enas & Khattab, Abd El-Nasser & Ragab, Yasser & Amin, Magdy & El-Metwally, Neveen. 2024.

Kinetic model for polyhydroxybutyrate production by *Bacillus aryabhatai* MH997667.1 in a batch culture using different agitation speeds.

Egyptian Pharmaceutical Journal 23(2):p 272-278.

2) Elzairy, Nermeen & Mostafa, Faten & Wahab, Walaa & Abdel-Naby, Mohamed & Ragab, Yasser & Hashem, Abdelgawad. 2023.

Remarkable improvement of levansucrase production from a newly isolated *Aspergillus niger* MK788296 strain using agro-industrial wastes through statistical optimization techniques.

Egyptian Pharmaceutical Journal 22: 38-48.

3) Manar M. Ahmeda , and Yasser M. Ragabb , Khaled M. Aboshanab. 2017.

A large soluble domain of the *Staphylococcus aureus* ESAT-6 Virulence Factor EsaA is stable in the absence of its cognate transmembrane domains.

Archives of Pharmaceutical Sciences Ain Shams University; Vol. 1(2):39-45.

4) El Shamy, A.A., Ali, A.E., Ragab, Y.M. and Hashem, A.M. 2016.

"Study on some virulence factors of clinical and environmental strains of *Pseudomonas aeruginosa*."

New Egyptian Journal of Microbiology 45(9):102-114.

5) Samir, R., Essam, T., Ragab, Y. and Hashem, A. 2015.

"Enhanced photocatalytic–biological degradation of 2, 4 dichlorophenoxyacetic acid."

Bulletin of Faculty of Pharmacy, Cairo University 53(2):77–82.

H) Skills

- Language Skills: French & English

- Computer Skills: All traditional software