

## Staff Handbook

Name	<i>Mostafa M. Eraqi</i>		
Post	<i>Teaching area and designation</i>		
Academic career	<i>Assistance professor</i>	<i>Majmaah university</i>	<i>2010</i>
	<i>Ph.D (Microbiology and immunology)</i>	<i>Kafralshikh university</i>	<i>2010</i>
	<i>Veterinary medical science)</i>	<i>Mansoura university</i>	<i>2002</i>
		<i>Institution</i>	
Employment	<i>Assistance professor</i>	<i>Majmaah university</i>	<i>2010- until now</i>
Research and development projects over the last 5 years	<p><i>Green and Rapid Quantification of Ciprofloxacin Hydrochloride and Tylosin Tartrate in Veterinary Formulation using UV Spectrophotometric Method: A Comparative Study of Nature- Inspired Algorithms for Feature Selection</i></p> <p><i>2024 – 2025</i></p> <p><i>Majmaah University</i></p> <p><i>12000</i></p> <p><i>Simultaneous spectrophotometric determination of paracetamol, tramadol, and aceclofenac in Pharmaceuticals: A green method with an adaptive plateau-based successive projections algorithm with automated tuning of support vector regression</i></p> <p><i>2024 – 2025</i></p> <p><i>Majmaah University</i></p> <p><i>12000</i></p> <p><i>Molecular Basis of Methicillin and Vancomycin Resistance in Staphylococcus aureus from Cattle, Sheep Carcasses and Slaughterhouse Workers</i></p> <p><i>2023 – 2024</i></p> <p><i>Majmaah University</i></p> <p><i>12000</i></p> <p><i>Prevalence and Antibiogram of Vibrio parahaemolyticus and Aeromonas hydrophila in the Flesh of Nile Tilapia, with Special Reference to Their Virulence Genes Detected Using Multiplex PCR Technique,</i></p> <p><i>2021 – 2022</i></p> <p><i>Majmaah University</i></p> <p><i>12000</i></p> <p><i>Antibacterial and antioxidant potential of some Egyptian medicinal plants used in traditional medicine,</i></p>		

	<p>2020 – 2021</p> <p>Majmaah University</p> <p>12000</p>
Industry collaborations over the last 5 years	No patents or proprietary rights have been registered during the last five years.
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Important publications over the last 5 years	<ul style="list-style-type: none"> <li>• Mustafa Mohsen El-Zayat, Mostafa M. Eraqi, Faiz A. Alfaiz, Moustafa Mohammed Elshaer Antibacterial and antioxidant potential of some Egyptian medicinal plants used in traditional medicine <i>Journal of King Saud University – Science</i> 33 (2021) 101466</li> <li>• Hanan A. Zaher, Mohamad I. Nofal, Basma M. Hendam, Moustafa M. Elshaer, Abdulaziz S. Alothaim, Mostafa M. Eraqi Prevalence and Antibiogram of <i>Vibrio parahaemolyticus</i> and <i>Aeromonas hydrophila</i> in the Flesh of Nile Tilapia, with Special Reference to Their Virulence Genes Detected Using Multiplex PCR Technique <i>Antibiotics</i> 2021, 10, 654.</li> <li>• Mustafa Mohsen El-Zayat, Mostafa M. Eraqi, Hani Alrefai, Ayman Y. El-Khateeb, Marwan A. Ibrahim, Hashim M. Aljohani, Maher M. Aljohani, Moustafa Mohammed Elshaer, The Antimicrobial, Antioxidant, and Anticancer Activity of Greenly Synthesized Selenium and Zinc Composite Nanoparticles Using <i>Ephedra aphylla</i> Extract, <i>Biomolecules</i> 2021, 11, 470</li> <li>• Mustafa Mohsen El-Zayat, Mostafa M. Eraqi, Hani Alrefai, Ayman Y. El-Khateeb, Marwan A. Ibrahim, Hashim M. Aljohani, Maher M. Aljohani, Moustafa Mohammed Elshaer, The Antimicrobial, Antioxidant, and Anticancer Activity of Greenly Synthesized Selenium and Zinc Composite Nanoparticles Using <i>Ephedra aphylla</i> Extract</li> <li>• M. Mani, S. Pavithra, K. Mohanraj, S. Kumaresan, Saqer S. Alotaibi, Mostafa M. Eraqi, Arumugam Dhanesh Gandhi, Ranganathan Babujanarthanam, M. Maaza, K. Kaviyarasu, Studies on the spectrometric analysis of metallic silver nanoparticles (AgNPs) using <i>Basella alba</i> leaf for the antibacterial activities, <i>Environmental Research</i> 199 (2021) 111274</li> <li>• Hanan A. Zaher, Shima El Baz, Abdulaziz S. Alothaim, Sulaiman A. Alsalamah, Mohammed Ibrahim Alghonaim, Abdullah S. Alawam, Mostafa M. Eraqi Molecular Basis of Methicillin and Vancomycin Resistance in</li> <li>• <i>Staphylococcus aureus</i> from Cattle, Sheep Carcasses and Slaughterhouse Workers, <i>Antibiotics</i> 2023, 12, 205.</li> <li>• Suresh Mickymaray, Mohammed Saleh Al Aboody, Mostafa M. Eraqi, Wardha A. Alhoqail, Abdulaziz S. Alothaim, Kaviya Suresh, Palanisamy Arulselvan, Chitosan-encapsulated nickel oxide, tin dioxide, and farnesol nanoparticles: Antimicrobial and anticancer properties in breast cancer cells, <i>International Journal of Biological Macromolecules</i> 248 (2023) 125799</li> <li>• Suresh Mickymaray, Mohammed Saleh Al Aboody, Mostafa M. Eraqi, Wardha A. Alhoqail, Abdulaziz S. Alothaim, Kaviya Suresh. Biopolymer Chitosan Surface Engineering with Magnesium</li> </ul>

	<ul style="list-style-type: none"> <li>• <i>Oxide-Pluronic-F127-Escin Nanoparticles on Human Breast Carcinoma Cell Line and Microbial Strains, Nanomaterials 2023, 13, 1227</i></li> <li>• <i>Mostafa M. Eraqi, Ayman M. Algohary, Ahmed M. Ibrahim, Exploring environmental sustainability through dimensionreduction algorithms: A cost-effective UV spectroscopic method for simultaneous determination of veterinary binary mixtures of doxycycline hydrochloride and tylosin tartrate, Sustainable Chemistry and Pharmacy 42 (2024) 101743</i></li> <li>• <i>Suresh Mickymaray, Mohammed Saleh Al Aboody, Mostafa M. Eraqi, Wardha A. Alhoqail ,Abdulaziz S. Alothaim , Esam S. Al-Malki, Fahel A. Alfaleh, Kaviya Suresh, Palanisamy Arulsevan, Bacteriophage mediated chitosan nano-carriers for (+)-Catechin delivery: Potent antiproliferative activity against cancer cells and gram-negative bacteria. Journal of Drug Delivery Science and Technology 105 (2025) 106551</i></li> <li>• <i>Mostafa M. Eraqi, Ayman M. Algohary, Youssef O. Al-Ghamdi, Ahmed M. IbrahimGreen and Rapid Quantification of CiprofloxacinHydrochloride and Tylosin Tartrate in Veterinary Formulation using UV Spectrophotometric Method: A Comparative Study of Nature- Inspired Algorithms for Feature Selection, Journal of Chemometrics, 2025; 39:e70023</i></li> </ul>
<p>Activities in specialist bodies over the last 5 years</p>	<p><i>Participated in departmental academic committees and internal review activities</i></p>