

Staff Handbook

Name	<i>Marwan A. Ibrahim</i>		
Post	<i>Associate Professor</i>		
Academic career	<i>Initial academic appointment</i>	<i>Institution</i>	<i>Year 2025</i>
	<i>Associate Professor</i>	<i>Majmaah University</i>	
	<i>Habilitation [German post-doctoral qualification] (Not applicable (no Habilitation – Ph.D. is the highest qualification))</i>	<i>Institution</i>	<i>Year</i>
		<i>Institution: Ain Shams University</i>	<i>Year 2010</i>
		<i>Cairo, Egypt</i>	
	<i>Doctorate (Applied Physiology)</i>	<i>Institution: Ain Shams University</i>	<i>Year 1996</i>
	<i>Undergraduate degree (Zoological Sciences)</i>	<i>Cairo, Egypt</i>	
Employment	<i>Position</i>	<i>Employer</i>	<i>Period</i>
	<i>Demonstrator in Zoology department</i>	<i>Ain Shams University</i>	<i>1998-2004</i>
	<i>Lecturer</i>	<i>Ain Shams University</i>	<i>2006-2010</i>
	<i>Assistant Professor</i>	<i>Majmaah University</i>	<i>2010-2025</i>
	<i>Associate Professor</i>	<i>Majmaah University</i>	<i>2025- Present</i>
Research and development projects over the last 5 years	<p>Name of project: <i>The Antimicrobial, Antioxidant, and Anticancer Activity of Greenly Synthesized Selenium and Zinc Composite Nanoparticles Using Ephedra aphylla Extract.</i></p> <p>Period: <i>2020-2021</i></p> <p>Partners: <i>Majmaah University</i></p> <p>Amount of financing: <i>12400 RS</i></p> <p>Name of project: <i>Enhancement of Antimicrobial and Dyeing Properties of Cellulosic Fabrics via Chitosan Nanoparticles.</i></p> <p>Period: <i>2021-2022</i></p> <p>Partners: <i>Majmaah University</i></p> <p>Amount of financing: <i>9000 RS</i></p> <p>Name of project: <i>A Review of Chitosan and Chitosan Nanofiber: Preparation, Characterization, and Its Potential Applications.</i></p> <p>Period: <i>2022-2023</i></p> <p>Partners: <i>Majmaah University</i></p> <p>Amount of financing: <i>9000 RS</i></p> <p>Name of project: <i>Design of Experiment and green analytical chemistry principles for developing a robust and sustainable Stability-Indicating HPLC method for Bempedoic acid impurity profiling.</i></p> <p>Period: <i>2023-2024</i></p> <p>Partners: <i>Majmaah University</i></p> <p>Amount of financing: <i>12400 RS</i></p> <p>Name of project: <i>A Green analytical method for simultaneous determination of dexamethasone sodium phosphate and prednisolone acetate in veterinary formulations using UV spectroscopy and dimension reduction algorithms.</i></p> <p>Period: <i>2024-2025</i></p> <p>Partners: <i>Majmaah University</i></p> <p>Amount of financing: <i>12400 RS</i></p>		

Industry collaborations over the last 5 years	<i>No formal collaborations with industry in the last five years.</i>
Patents and proprietary rights	<i>No patents or proprietary rights have been registered during the last five years.</i>
Important publications over the last 5 years	<p><i>Selected recent publications from a total of approx. (give total number):10</i></p> <ol style="list-style-type: none"> <i>1. Marwan A. Ibrahim, Mostafa M.Eraqi and Faiz A.Alfaiz, (2020): Therapeutic role of taurine as antioxidant in reducing hypertension risks in rats. Heliyon; Volume 6, Issue 1, January 2020, e03209; https://www.sciencedirect.com/science/article/pii/S2405844020300542.</i> <i>2. Marwan A. Ibrahim¹ and Rehab M. Mosaad (2021): Effect of Environmental Contaminants on Antioxidant Defense System in Fringe Lip Mullet (Crenimugil crenilabis) from Suez Canal, Egypt. Bulletin of Environmental Contamination and Toxicology; https://doi.org/10.1007/s00128-021-03153-3</i> <i>3. Mustafa Mohsen El-Zayat, Mostafa M. Eraqi, Hani Alrefai, Ayman Y. El-Khateeb, Marwan A. Ibrahim, Hashim M. Aljohani, Maher M. Aljohani and Moustafa Mohammed Elshaer (2021): The Antimicrobial, Antioxidant, and Anticancer Activity of Greenly Synthesized Selenium and Zinc Composite Nanoparticles Using Ephedra aphylla Extract. Biomolecules 2021, 11, 470. https://doi.org/10.3390/biom11030470</i> <i>4. Rehab M. Mosaad, Mona H. Alhalafi, El-Amir M. Emam, Marwan A. Ibrahim and Hassan Ibrahim (2022): Enhancement of Antimicrobial and Dyeing Properties of Cellulosic Fabrics via Chitosan Nanoparticles, Polymers 2022, 14(19), 4211; https://doi.org/10.3390/polym14194211</i> <i>5. Sahar A Sabry, Marwan A Ibrahim and Rehab M Mosaad (2022): Biochemical, histological and ultrastructural studies on the ameliorative effects of chrysin on the hepatotoxicity of clonazepam in developing male albino rats. African Journal of Biological Sciences; 18 (2), 161-175. https://ajbs.journals.ekb.eg/article_274516.html</i> <i>6. Marwan A. Ibrahim, Mona H. Alhalafi, El-Amir M. Emam, Hassan Ibrahim, and Rehab M. Mosaad (2023): A Review of Chitosan and Chitosan Nanofiber: Preparation, Characterization, and Its Potential Applications, Polymers 2023,15, 2820. https://doi.org/10.3390/polym15132820.</i> <i>7. Marwan A. Ibrahim (2023): Biodiversity of mangrove macrofauna in different sites of Aqaba Gulf, Red Sea, International Journal of Environmental Science and Technology 2023, pp. 1-12. https://doi.org/10.1007/s13762-023-05142-x</i> <i>8. Rehab M. Mosaad, Marwan A. Ibrahim and Hend A. Sabry (2024): The Prophylactic Role of Chrysin against Clonazepam Induced Brain Toxicity in Male Albino Rats, Uttar Pradesh Journal of Zoology Volume 45, Issue 12, Page 261-268, 2024; Article no. UPJOZ.3477. DOI: https://doi.org/10.56557/upjoz/2024/v45i124125</i> <i>9. Marwan A. Ibrahim, Ayman M. Algohary, Youssef O. Al-Ghamdi, Ahmed M. Ibrahim (2025): A Green analytical method for simultaneous determination of dexamethasone sodium phosphate and prednisolone acetate in veterinary formulations using UV spectroscopy and dimension reduction algorithms, Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy 328 (2025) 125446. https://doi.org/10.1016/j.saa.2024.125446</i> <i>10. Marwan A. Ibrahim, Ayman M. Algohary, Manal A.Babaker, Ahmed M. Ibrahim (2024): Design of Experiment and green analytical chemistry principles for developing a robust and sustainable Stability-Indicating HPLC method for Bempedoic acid impurity profiling, Microchemical Journal 207 (2024) 112133. https://doi.org/10.1016/j.microc.2024.112133</i>
Activities in specialist bodies over the last 5 years	Participated in departmental academic committees and internal review activities.