

Staff Handbook

Name	<i>DR. Noorah Abdulaziz Alsowayeh</i>		
Post	<i>Associated professor</i>		
Academic career	<i>Initial academic appointment</i>	<i>Institution</i>	<i>Year</i>
	<i>Associate Professor</i>	<i>Majmaah University</i> <i>Saudi Arabia</i>	<i>2025-present</i>
	<i>Assistant Professor</i>	<i>Majmaah University</i> <i>Saudi Arabia</i>	<i>2021-2025</i>
	<i>Ph.D in (Molecular Biology and Microbiology)</i>	<i>University of Leicester</i>	<i>2020</i>
	<i>Master of Science in Bioinformatics</i>	<i>University of Exeter</i>	<i>2013</i>
Employment	<i>Position</i>	<i>Employer</i>	<i>Period</i>
	<i>Associate Professor</i>	<i>Majmaah University</i> <i>Saudi Arabia</i>	<i>2025-present</i>
	<i>Assistant Professor</i>	<i>Majmaah University</i> <i>Saudi Arabia</i>	<i>2021-2025</i>
Research and development projects over the last 5 years	<i>NIL</i>		
Industry collaborations over the last 5 years	<i>NIL</i>		
Patents and proprietary rights	<i>NIL</i>		
Important publications over the last 5 years	<p><i>-Alsowayeh N, Albutti A. "Designing a novel chimeric multi-epitope vaccine against Burkholderia pseudomallei, a causative agent of melioidosis". Frontiers in Medicine. (2022).</i></p> <p><i>- Alsowayeh N, Albutti A, Al-Shouli ST. "Reverse Vaccinology and Immunoinformatic Assisted Designing of a Multi-Epitopes Based Vaccine Against Nosocomial Burkholderia cepacian". Frontiers in Microbiology. (2022).</i></p> <p><i>-Khalifa A, Alsowayeh N. "Whole-Genome Sequence Insight into the Plant-Growth-Promoting Bacterium Priestia filamentosa Strain AZC66 Obtained from Zygothylum coccineum Rhizosphere". Plants. (2023).</i></p>		

	<p>- Alsowayeh N, Jamal A, Alfaiz F. <i>Molecular Modelling and Designing of Amino Pyrimidine Derivatives As A Small Molecular Inhibitor Of T790m/C797s Double Mutations In The Kinase Domain Of EGFR To Arrest Tumor Angiogenesis. Advances in Human Biology. Feb (2025).</i></p> <p>-Alsowayeh N, Jamal A, Alfaiz F, Ghabban, H. "Antimicrobial susceptibility of clinical isolates of <i>Acinetobacter baumannii</i> - A systematic review and meta-analysis". <i>Journal of Pioneering Medical Sciences. Feb (2025).</i></p> <p>- Ismail, S.; Alsowayeh, N.; Abbasi, H.W.; Albutti, A.; Tahir ul Qamar, M.; Ahmad, S.; Raza, R.Z.; Sadia, K.; Abbasi, S.W. "Pan-Genome-Assisted Computational Design of a Multi-Epitopes-Based Vaccine Candidate against <i>Helicobacter cinaedi</i>". <i>International Journal of Environmental Research and Public Health. (2022).</i></p> <p>-Sayed ASM, Ibrahim AI, Sobhy MM, Elmahallawy EK, Alsowayeh N, Alarjani KM, El-Khadragy MF, Youseef AG. "Circulation of thermophilic <i>Campylobacter</i> in pigeons, turkeys, and humans at live bird markets in Egypt". <i>Frontiers in Veterinary Science. (2023)</i></p> <p>-Mohammad Hazaimah, Belal Muneeb Kanaan, Faleh A. AlFaleh, Mahmoud M. Elhaig, Emran Issa Khamaiseh, Qamar Zia, Mohammed Alaidarous, Chandra Shekhar Seth, Noorah Alsowayeh, Faheem Ahmad. "Biodegradation of petroleum hydrocarbons using a novel bacterial strain isolated from hydrocarbons contaminated soil of Saudi Arabia". <i>Biocatalysis and Agricultural Biotechnology. (2024).</i></p> <p>-Dyab AK, Mohamed SA, Abdel-Aziz FM, Gareh A, Osman F, Elgohary FA, Hassan EA, Alsowayeh N, Alzaylaee H, Ahmed AAS, Bravo-Barriga D, Elmahallawy EK. "Microscopic and molecular detection of piroplasms among sheep in Upper Egypt". <i>Frontiers in Veterinary Science. (2024).</i></p> <p>-Mickymaray Suresh, Abdulaziz S. Alothaim, Faleh A. Alfaleh, Noorah Alsowayeh, Kaviya Suresh, Indumathi Thangavelu, Palanisamy Arulselvan. "Surface modified CaO nanoparticles with CMC/D-carvone for enhanced anticancer, antimicrobial and antioxidant activities". <i>Journal of the Indian Chemical Society. (2025).</i></p> <p>-Alothaim, A.S., Suresh, M., AlFaleh, F.A., Alsowayeh, N., Suresh, K., Thangavelu, I. and Arulselvan, P. (2025). "Development of CaO/Chitosan/Dopamine nanoparticles—Antibacterial, anticancer, and antioxidant activities." <i>Journal of Applied Polymer Science, e56754 (2025).</i></p>			
	<table border="1"> <thead> <tr> <th data-bbox="528 1585 826 1668">Organisation</th> <th data-bbox="826 1585 1114 1668">Role</th> <th data-bbox="1114 1585 1418 1668">Period</th> </tr> </thead> </table>	Organisation	Role	Period
Organisation	Role	Period		

<p>Activities in specialist bodies over the last 5 years</p>	<p><i>Head of Biology Department Majmaah University (Oversaw academic and research activities; coordinated curriculum development, programme evaluation, and quality assurance processes within the department) 2023-2025</i></p> <p><i>Member, College of Science Council, Majmaah University (Participated in strategic decision-making on academic policies, programme accreditation, and faculty development) 2023-2025</i></p> <p><i>Member, Departmental Committees in Biology Majmaah University (Contributed to interdisciplinary curriculum development, laboratory safety standards, and student assessment processes) 2023-2025</i></p>
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