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Lab Technician

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Time at UoN: Since 2015

Marital Status: ..

Academic Qualifications

M.Sc degree from University of Nizwa, Master of Science, College of Science and Art, Instrumental Analytical Chemistry, Oman, Nizwa., University of Nizwa, 2021, Isolation and Characterization of Polymeric Chitosan from Omani Shrimp Shells

B.Sc. degree from Sultan Qaboos University, Bachelor of Science, College of Science, Biotechnology, Oman, Muscat. , Sultan Qaboos University, 2015, Microbial Enhanced Oil Recovery

Teaching Activities

Teaching Pharmaceutical Analysis laboratory sessions

Teaching Introduction of Oman Health System course

Research Activities

- *Research Interests*

Applications of chitosan in the biomedical and pharmaceutical industries

- *Conference Presentations*

Structural characterization of polymeric chitosan and mineral from Omani shrimp shells, The First Virtual Analytical Chemistry Conference (23–24 March 2022) Analytical Techniques: Innovation & Challenges, Department of Biological Sciences and Chemistry, College of Arts & Sciences, University of Nizwa., 23-24/3/2022

Enhancing the Shelf-Life of Date Fruits by Application of Chitosan -Based Nanoemulsion Enriched with Grape Seed Oil, Research day, University of Nizwa, 12/2024

Preparation and Characterization of Gelatin-Chitosan Patches Loaded with Omani Black Garlic Extract for Anti-acne Application, Research day, University of Nizwa, 12/2023

Synthesizing chitosan-nanoemulsion hydrogel beads for water treatment. , In Proceedings of the 3rd Multidisciplinary Scientific Conference (MDSC)., SQU, 2025

- *Publications*

Article:

1. 2025 [Enhancing the Shelf-Life of Date Fruits by Application of Chitosan-Based Nanoemulsion Enriched with Grape Seed Oil](#), Journal of Food Quality and Hazards Control
2. 2021 Structural characterization of polymeric chitosan and mineral from Omani shrimp shells, Water-Energy Nexus, 4, 199-207.
3. 2020 Isolation, characterization and standardization of demineralization process for chitin polymer and minerals from the crabs waste of Portunidae segnis, Advances in Biomarker Sciences and Technology, 2, 45-58.
4. 2020 Optimization of the demineralization process for the extraction of chitin from Omani Portunidae segnis, Biochem Biophys Rep. 2020 Jul 9;23:100779. doi: 10.1016/j.bbrep.2020.100779. PMID: 32676540; PMCID: PMC7352081.
5. 2020 Isolation and optimization of the method for industrial production of chitin and chitosan from Omani shrimp shell., Carbohydrate research, 492, 108001.
6. 2018 Biological and phytochemical studies of different leaves extracts of Pteropyrum scoparium, Beni-Suef University journal of basic and applied sciences, 7(4), 481-486.

Membership in Professional Bodies

2025-2027: 3rd SAC

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