

Date: 20/11/2022

DR. NAWZAT ALJBOUR

Personal
Photo

PERSONAL INFORMATION

Title: Dr.

Academic Rank: Assistant Professor

Date & Place of Birth: Jordan 04/January /1979

Nationality: Jordanian

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ACADEMIC QUALIFICATIONS

Degree	Major	Duration (From-To)	University	Country
PHD	Chemical Engineering	2017-2020	University Malaysia Pahang (UMP)	Malaysia
MSc	Chemical Engineering	2002-2005	Jordan University of Science and Technology	Jordan
BSc	Chemical Engineering	1997-2002	Jordan University of Science and Technology	Jordan

TEACHING EXPERIENCE				
Duration	Rank	Institution	Department/Faculty	Country
09/2020 - Current	Assistant professor	Middle East University (MEU)	Faculty of Pharmacy	Jordan

OTHER EXPERIENCE				
Duration	Rank	Institution	Department/Faculty	Country
09/2022-current	Acting Dean	Middle East University	Faculty of Pharmacy	Jordan
2021-2022	Department Head	Middle East University	Faculty of Pharmacy	Jordan
2021-2022	Deputy Dean	Middle East University	Faculty of Pharmacy	Jordan
2020-2021	Dean Assistant for quality affairs	Middle East University	Faculty of Pharmacy	Jordan
2015-2016	Study director	Pharmaceutical research unit (PRU)	Analytical department	Jordan
2014-2015	Assistant General Director of the Research and Innovation Center for laboratories Affaires	Jordanian Pharmaceutical Manufacturing Company (JPM)	Research and Innovation center	Jordan
2010-2014	Formulation Section Head Division,	Jordanian Pharmaceutical Manufacturing Company	Suwagh Co.,	Jordan
2005-2010	Researcher in the Drug	Jordanian Pharmaceutical	Suwagh Co.,	Jordan

	Delivery Division	Manufacturing Company		
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PUBLICATIONS

JOURNALS

Author/s (In Order)	Title	Journal	Vol./No.	Publication Date
1.	Nawzat D. Aljbour, Enhanced oral bioavailability through nanotechnology in Saudi Arabia: A meta-analysis.	Arabian Journal of Chemistry	(2022), 15(4).	
2.	Nawzat D. AL-Jbour, Mohammad D. Beg, and Jolius Gimbung. Preparation and Characterization of Low Molecular Weight Chitosan with Different Degrees of Deacetylation by the Acid Hydrolysis Method.	International Journal of Applied Pharmaceutics.	Int J App Pharm, Vol 13, Issue 2, 2021, 153-164	2.
3.	Olalere Olusegun Abayomi ¹ , Chee-Yuen Gan ¹ , Paul Adeola Adedeji, Olalere Modupeola Elizabeth, Nawzat Aljbour. Multi-functioned Deng's Grey Incidence Analysis, Orthogonal Optimization and Artificial Neural Network Modeling in Hot-Maceration-assisted Extraction of African Cucumber Leaves (<i>Momordica balsamina</i>),	The Canadian Journal of Chemical Engineering,	Accepted April 2021.	
4.	Nawzat D. AL-Jbour, Mohammad D. Beg, Jolius Gimbung and A.K.M Moshiul Alam. An Overview of Chitosan Nanofibers and their Applications in the Drug Delivery Process.	Current Drug Delivery,	(2019), Vol. 16(4), 272-294.	
5.	Nawzat D. AL-Jbour, Mohammad D. Beg, and Jolius Gimbung. Acid Hydrolysis of Chitosan to Oligomers Using Hydrochloric Acid.	Chemical Engineering and Technology (CET).	March (2019).	
6.	Nawzat D. AL-Jbour, Mohammad D. Beg, and Jolius Gimbung. Preparation and Characterization of Low Molecular Weight Chitosan with Different Degrees of Deacetylation by the Acid Hydrolysis Method.	International Journal of Applied Pharmaceutics.	Accepted for publication, March 2020	
7.	Nawzat D. AL-Jbour, Mohammad D. Beg, and Jolius Gimbung. Producing different grades of chitosan oligomers.	4th International Conference of Chemical Engineering and Industrial Biotechnology (ICCEIB 2018).	1-2 Aug 2018, Seri Pacific Hotel, Kuala Lumpur	
8.	Influence of Molecular Weight and Degree of Deacetylation of Low Molecular Weight Chitosan on the Bioactivity of Oral Insulin Preparations (2015).	Nidal A. Qinna, Qutuba G. Karwi, Nawzat Al-Jbour, Mayyas A. Al-Remawi, Tawfiq M. Alhussainy, Khaldoun A. Al-So'ud, Mahmoud M. H. Al Omari, Adnan A. Badwan.	Marine Drugs; 04/2015; 13(4):1710-1725.	
9.	Glucosamine Enhances Paracetamol Bioavailability by Reducing Its Metabolism (2015).	Nidal A. Qinna, Maryam H. Shubbar, Khalid Z. Matalaka, Nawzat Al-Jbour, Mohammad A. Ghattas, Adnan A. Badwan.	Journal of Pharmaceutical Sciences; 01/2015; 104(1):257-265	
10.	A new controlled-release liquid delivery system based on diclofenac potassium and low molecular			

- weight chitosan complex solubilized in polysorbates (2013). N. A. Athamneh, B. M. Tashtoush, A. M. Qandil, B. M. Al-Tanni, A. A. Obaidat, Nawzat. D. Al-Jbour, N. A. Qinna, K. Al-Sou'od, M. M. Al-Remawi, and A. A. Badwan. *Drug Development and Industrial Pharmacy*, 2013; 39(8): 1217–1229
11. Development and validation of a sensitive and accurate method for determination of atorvastatin and rosuvastatin in rat plasma by reversed-phase high performance liquid chromatography with UV detection. (2013). Entidhar J. Al- Akkam, Alaa A. Abdul Rasool, Adnan A. Badwan, Nawzat D. AL-Jbour, Nidal A. Qinna. *International journal of pharmacy and pharmaceutical Sciences*, 2013; 5(2): 211-219.
 12. Further investigation on the degree of deacetylation of chitosan determined by potentiometric titration (2011). Kamal Sweidan, Abdel-Motalleb Jaber, Nawzat Al-jbour, Rana Obaidat, Mayyas Al-Remawi and Adnan Badwan. *Journal of Excipients and Food chemicals*; 2011, 2(1):16-25.
 13. Factors Involved in Formulation of Oily Delivery System for Proteins Based on PEG-8 caprylic/capric glycerides and polyglyceryl-6 dioleate in a Mixture of Oleic acid with Chitosan (2011). Shereen M. Assaf, Nawzat D. Al-Jbour, Ala'a F. Eftaiha, Amani M. Elsayed, Mayyas M. Al-Remawi, Nidal A. Qinna, Babur Chowdhry, Stephen Leharne and Adnan A. Badwan. *Journal of Dispersion Science and Technology*, 2011, 32(5):623-633.
 14. Some Physico-Chemical Properties of Low Molecular Weight Chitosans and their Relationship to Conformation in Aqueous Solution (2010). Rana Obaidat, Nawzat Al-Jbour, Khaldoun Al-Sou'd, Kamal Sweidan, Mayyas Al-Remawi and Adnan Badwan. *Journal of Solution Chemistry*; 2010, 39(4):575-588.
 15. Investigation of the Interactions in Complexes of Low Molecular Weight Chitosan with Ibuprofen (2009). Amjad M. Qandil, Aiman A. Obaidat, Muaadh A. Mohammed Ali, Bashar M. Al-Taani, Bassam M. Tashtoush, Nawzat D. Al-Jbour, Mayyas M. Al Remawi, Khaldoun A. Al-Sou'od and Adnan A. Badwan. *Journal of Solution Chemistry*; 2009, 38(6):695-712.
 16. Effect of surfactant on dissolution of spherical particles in micellar systems (2007). Hussien Allaboun , Khoulood A. Alkhamis , Nawzat D. Al Jbour. *European Journal of Pharmaceutics and Biopharmaceutics*; 2007, 65(2):188-197

PATENTS

Author/s (In Order)	Title	Conference	Country	Date
1.	<u>EP1862434- Process for Collecting and Separating of Water-Insoluble Pollutant from Aqueous or Soil Environments, and Adsorbent Composition Utilized Therein.</u>			
	Badwan Adnan (JO); Al-Remawi Mayyas (JO); Abedalghani Al-Jbour Nawzat (JO).			

CONFERENCES

Author/s (In Order)	Title	Publisher	Edition	Date
1.	Fabrication of blended chitosan nanofibers by the free surface wire electrospinning.	(2020). Nawzat Aljbour, M.D.H.Beg. J.Gimbun, Presentation. International Conference of Chemical Engineering and Industrial Biotechnology (ICCEIB) “Empowering Sustainable Technological Solutions for Industry and Society”.		
2.	Producing different grades of chitosan oligomers	(2018). Nawzat Aljbour, M.D.H.Beg. J.Gimbun, Presentation. International Conference of Chemical Engineering and Industrial Biotechnology (ICCEIB) “Sustainable Technological Solutions for Industry and Society”, 2018		
3.	Oral extended release liquid of ibuprofen	(2008). N. Aljbour, A. Eftaiha, M. Remawi and A. Badwan. <i>Poster</i> , the 26 th Arab Pharmacist Association General Conference “The Role of the Pharmacist in the Quality Provision of Pharmaceutical Care. (10-12)-4-2008, Amman, Jordan		
4.	Comparison between compendial and potentiometric titration methods for the determination of the degree of deacetylation of chitosans low molecular weights	(2008). K. Sweidan, N.Aljbour, R. Obaidat, M. Remawi, and A. Badwan.. <i>Poster</i> , the 26 th Arab Pharmacist Association General Conference “The Role of the Pharmacist in the Quality Provision of Pharmaceutical Care. (10-12)-4-2008, Amman, Jordan.		
5.	Chitosan oligosaccharide interaction with diclofenac potassium	(2008). N. Athamneh, B. Tashtouch, B. Taani, M. Remawi , N.Aljbour, and A. Badwan. <i>Poster</i> , the 26 th Arab Pharmacist Association General Conference “The Role of the Pharmacist in the Quality Provision of Pharmaceutical Care. (10-12)-4-2008, Amman, Jordan.		
6.	Pros and cons of collecting blood samples by rat tail bleeding method in studying drug pharmacokinetics	(2010). Nidal Qinna, Nawzat Al-Jbour, Adnan Badwan. <i>Poster</i> presented in Belgian Council for Laboratory Animal Science Symposium, 25-26 October 2010.		
7.	Influence of glucosamine and the low molecular weight chitosan on ibuprofen plasma concentration following oral administration in rats	(2010). Nawzat Al-Jbour, Nidal Qinna, Nusaiba Al-Nemrawi, Adnan Badwan. <i>Poster</i> presented in EuAsC ₂ S-11 CHEMISTRY CARES, Dead sea, Jordan, 2-6 October 2010		
8.	Impact of glucosamine on the bioavailability of paracetamol after oral administration in rats	(2010). Maryam.Shbber, Nidal Qinna, Nawzat Al-Jbour, Khalid Matalka, Adnan Badwan. <i>Poster</i> presented in EuAsC ₂ S-11 CHEMISTRY CARES, Dead sea, Jordan, 2-6 October 2010		

BOOKS

Author/s (In Order)	Title	Publisher	Edition	Date
1. MAKM Zahari, M.D.H Beg, N.Abdullah, and Nawzat D. Al-Jbour, PHB Production, Properties, and Applications, <i>in</i> Industrial Applications of Biopolymers and their Environmental Impact. (Editors: Abdullah A.Mamun, and Jonathan Y.Chem). Printing in Process				
2. Nidal A Qinna, Qutuba G Karwi, Nawzat Al-Jbour, Mayyas A Al-Remawi, Tawfiq M Alhussainy, Khaldoun A Al-So'ud, Mahmoud MH Al Omari, Adnan A Badwan. Insulin Preparations. Advances in Marine Chitin and Chitosan, Publication date 2018/10/2				

MEMBERSHIPS OF SCIENTIFIC AND PROFESSIONAL SOCIETIES

Jordanian Engineers Association

UNIVERSITY COMMITTEES

1. لجنة الامتحانات على مستوى الجامعة (عضوا)
2. مجلس الدراسات العليا و البحث العلمي (عضوا)
3. لجنة برنامج تصنيع المستحضرات التجميلية و المواد الكيماوية (منسقا)

WORKSHOPS ATTENDED

1. **Cosmetics Formulations Courses** / Industrial Biotechnology Research Center (SIRIM Berhad), Selangor Malaysia, June 2022 – August 2022.
2. I have granted an expert certificate in the “**Patents of inventions and data protection of pharmaceuticals**”. This course was held in cooperation with Talal Abu-Ghazaleh College of business / German-Jordanian University (TAGB/GJU). Jan 8-Mar 22, 2007.
3. Strategic Management Workshop. [Analysis to Implementation]. Feb 24-26, 2007.
4. The Team Development Process. July 12-14, 2006. The workshop was organized with the Australian College of Behavioral Technology. *Proactive Catalysts for Resourceful Change in Individuals, Teams, and Organizations*
5. USP Dissolution Testing workshop. September 11, 2006. The workshop was in collaboration with USP and JFDA

WORKSHOPS OFFERED

RESEARCH INTERESTS

Material Sciences, Drug Delivery, Nanotechnology, Nanofibers, Chitosan

LANGUAGES

Arabic: native language

English: very good speaking, reading, and writing skills , IELTS Score 6.5

OTHER COMMUNITY ACTIVITIES

AWARDS RECEIVED

12/2021 Research fund 49,000 JD from the ministry of higher education, Jordan for the research project entitled “**Electrospun Nanofibers of Chitosan/Nanocrystalline cellulose/Polylactic acid for controlled release drug delivery**”.

GRADUATE STUDENTS SUPERVISION

Student Name

Thesis Title

REFERENCES

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