

CURRICULUM VITAE

Nisrein Mohammad Jaber

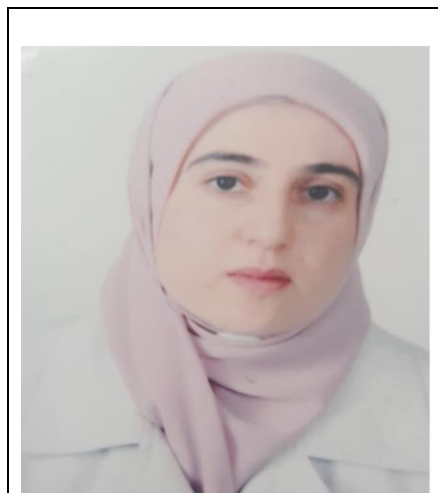
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1. Personal Data

Nationality: Jordanian

2. Education

- Ph.D. (pharmaceutical Sciences) 2020, University of Jordan, Amman, Jordan.
- M.Sc. (pharmaceutical Sciences) 2002, University of Jordan, Amman, Jordan.
- B.Sc. (Pharmacy) 1999, University of Jordan, Amman, Jordan.

3. Ph.D. Dissertation

- *Oral ferrous sulfate encapsulated within Amphiphilic chitosan nanostructure for iron deficiency anemia treatment.* University of Jordan, Amman, Jordan.

4. Employment

Academic Positions

- Assistant Professor, Pharmacy Department, Al-Zaytoonah University of Jordan, Amman, Jordan.
September 19th 2021- now.
- Assistant Professor, Pharmaceutics and Technology Department, Al ahliyya Amman University, Amman, Jordan.
September 16th 2020- September 15th 2021
- Lecturer, Faculty of Pharmacy, Taif University/Saudi Arabia
2010-2015



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- Teaching assistant, Faculty of Pharmacy/ University of Jordan/ Jordan
1999-2000

Administrative Positions

- NA

5. Research Interests

- Pharmaceutics and pharmaceutical sciences
- Drug delivery systems
- Pharmaceutical nanotechnology
- Chemical synthesis and analysis

6. Membership in Scientific Societies and Associations

- Jordan Pharmaceutical Association

7. Honors and Awards

- Phospholipid Best Paper Award from American's Oil Chemist Society (AOCS), 2017.
- Appreciation certificate from the JFDA for the quick and perfect performance of the job in-charged, 2009.
- Appreciation certificate from Taif University for participation in the fourth scientific conference for students of the university.

8. Fellowships and Scholarships

- NA

9. Teaching Experience

- *Graduate Courses*
NA
- *Undergraduate Courses*

Pharmaceutics I
Pharmaceutics II
Biopharmaceutics and Pharmacokinetics
Industrial Pharmacy
Pharmaceutical Technology
Introduction to Pharmacy Practice
Introduction to communication skills
Basics of Pharmacy Management
Quality Control



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Pharmaceutical Technology Lab.
 Professional Pharmacy Practice II Lab.
 Pharmaceutical Biochemistry Lab.
 Pharmaceutical Microbiology Lab.
 Regulatory affairs

10. Supervision of Graduate Research

NA

11. Grants

NA

12. Patents

NA

13. Membership of Committees

- **National and International**
 - Member of generic drugs registration committee /JFDA/Jordan
 - Member of bioequivalence committee /JFDA/Jordan
 - Member of re-registration of registered drugs committee /JFDA/Jordan
- **University**
 - Member of Accreditation Committee (2021-now)/ Al Zaytoonah university of Jordan.
 - Member of Pharmaceutical Practice Committee (2021-2022)/ Al Zaytoonah university of Jordan.
 - Member of Local Accreditation Committee (2020-2021) / Al ahliyya Amman University, Amman, Jordan.
 - Member of Alumni Follow-up Committee (2020-2021) / Al ahliyya Amman University, Amman, Jordan.
 - Membership of the laboratory and instruments committee at the faculty of pharmacy-Taif University, Saudi Arabia 2011-2012.
 - Membership of the Student support committee at the faculty of pharmacy-Taif University, Saudi Arabia 2011-2012.



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- Membership of the academic guidance committee at the faculty of pharmacy-Taif University, Saudi Arabia 2011-2014.
- Membership of Resource Development Committee of Foreign Affairs and External Cooperation at the faculty of pharmacy-Taif University, Saudi Arabia 2012-2015
- Membership of Community Service Committee and Public Relations at the faculty of pharmacy-Taif University, Saudi Arabia 2012-2014.
- Membership of advisory Committee for curriculum development and student assessment systems and follow-up of graduates at the faculty of pharmacy-Taif University, Saudi Arabia 2012-2015.
- Membership of performance follow-up unit and quality assurance at the faculty of pharmacy-Taif University, Saudi Arabia 2012-2015.
- Membership of Scientific Library Committee at the faculty of pharmacy-Taif University, Saudi Arabia 2012-2013.

14. Professional and Scientific Meetings

Scientific Meetings Organized

NA

Participation in Scientific meetings

Poster and speaker

1- World Meeting on Pharmaceutics, Biopharmaceutics and Pharmaceutical Technology
Lisbon, Portugal, 31 March to 3 April 2014.

A presentation with the title:

An injectable chitosan coated submicronized particles for insulin sustained release delivery

Mayyas Al-Remawi; Ibrahim Maghrabi; Amrni Elsayed; Mohammad Hamaidi; Nisrein Jaber.

2- The First Regional Scientific Conference on Traditional Arab and Islamic Medicine, in cooperation with 4th colloquium "Health Environment and Natural Products",

A presentation with the title:



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Method of analysis of a tablet preparation that combines five active ingredients developed for the treatment of impotency, 8-9\8\2007, Jordan.

Attendance

- 1- The second international clinical pharmacy conference opportunities and challenges, University of Jordan, April 21-22 1999, Jordan.
- 2- Skin care workshop, JPA ,12-9-2003, Jordan
- 3- Pharmacovigilance concept, Jordan food and drug administration 10\6\2007, Jordan
- 4- Technical and regulatory challenges of validation, PPS, 24-25\7\2007, Jordan.
- 5- Radiopharmaceutical rules and registration procedures, JFDA and Turkish MOH, , 28-29\10\2007 Jordan,
- 6- Worldwide regulations for biosimilar products workshop, Ferring, 15\12\2007, Jordan.
- 7- The Second conference of Bioequivalence, JAPM and US agency for international development, July 14 and 15, 2009, Jordan.
- 8- The fifth USP annual science meeting, JAPM, 15-16\11\2009, Jordan.
- 9- The ethics, research and clinical applications of stem cells research, Taif University, 3\1\2012,Saudi Arabia.
- 10- International Conference on materials science and its applications, Taif University, 13-15\2\2012, Saudi Arabia.
- 11- Fourth laboratory and blood bank awareness day, King abdel-Aziz Specialist Hospital, 21\2\2012, Saudi Arabia.
- 12- Scientific Forum for male and female students of Taif University - 28-29-2012 - Saudi Arabia.
- 13- How to design and interpret a medical survey, Taif University, 6th of November 2012, Saudi Arabia.
- 14- Developing Research abilities: Idea Formulation and Research Management, King Abdulaziz City For Science and Technology, 21st of November 2012-Saudi Arabia.
- 15- Atomic Force Microscopy-Tribology and Mechanical Testing-Surface Profilometry, Movenpick , Jeddah,4th of December 2012-Saudi Arabia.



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- 16- Fifth laboratory and blood bank awareness day, King abdel-Aziz Specialist Hospital, 18\3\2013, Saudi Arabia.
- 17- The Second Annual Scientific Day of the Physical Therapy Department, Taif University, 21-22-April 2013, Saudi Arabia.
- 18- Scientific Forum for male and female students of Taif University – 3-2-2013 - Saudi Arabia.
- 19- Recent Advances in CNS Acting Drugs symposium, Taif University, 8\5\2014, Saudi Arabia.
- 20- A promise is a promise time for action to end violence against women, Taif University, 10-11\March\2014, Saudi Arabia.
- 21- ورشة عمل بعنوان الارشاد الأكاديمي والتدريب على المنظومة الجامعية المنعقدة في جامعة الطائف يوم الخميس الموافق 12\5\1435هـ السعودية.
- 22- First international congress of food and drug administration. Pharmaceutical Sector opportunities and future vision. JFDA Jordan 27-28 Oct. 2016, Jordan
- 23- ASU Pharmacy third conference recent trends in postgraduate research. ASU 1-16 April 2017, Jordan.
- 24- Workshop on accelerated access. Biosimilars and Pharmacovigilance. ROCHE Ltd 20-4-2017, Jordan.
- 25- Second Jordan JFDA International Congress, Pharma industry and clinical trials growth and innovation 10-11 March 2018, Jordan.
- 26- Scientific and Regulatory Assessment of Generic Registration Dossiers: the Most Recent Updates Workshop 4th April 2018, Jordan.
- 27- Avoid BE Deficiencies Workshop, 24th April 2018, Jordan.
- 28- The third Symposium on Harmonization of Bioequivalence Requirements, 2-3 May 2018, Jordan.
- 29- The Expert Workshop on Biologic Products, 7th July 2018, Jordan.
- 30- A webinar held by Springer Nature under the title of Step by step guide on how to prepare a successful paper, Nov 28th 2020.
- 31- A webinar held by Springer Nature under the title of How to easily navigate through Springer Nature Platform, Mar 8th 2021.
- 32- The blended congress of the school of pharmacy 2021 conference, Apr. 2021. The university of Jordan.



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33- The 1st Scientific Conference for Graduate Students (Contributions toward Excellence and Creativity), Al Zaytoonah University of Jordan, Amman-Jordan 3-4/5/2023.

Training Courses

34- Training program in advances in contraceptive technology, CMS, November 2001, Amman- Jordan.

35- Clinical Investigation Training Program (CITP), Jordan Food and Drug Administration, 8-9\5\2010, Jordan.

36- Two-dimensional design training course, Taif University, 12-29\2\2012, Saudi Arabia.

37- Statistical Package for Social Sciences (SPSS) training course, Taif University, 4-18 December 2012, Saudi Arabia.

15. Participation in organization of curricular and/or extra-curricular activities

NA

16. Publications

1- **Elsayed, A.**, Al-Remawi, M., Maghrabi, I., Hamaidi, M., & **Jaber, N.**. Development of insulin loaded mesoporous silica injectable particles layered by chitosan as a controlled release delivery system. International journal of pharmaceutics, 461(1) (2014), 448-458.

2- **Al-Remawi, M.**, Maghrabi, I., Elsayed, A., Hamaidi, M., & **Jaber, N.**. Oral delivery of insulin using a lipoamino acid nanocarrier system. Die Pharmazie-An International Journal of Pharmaceutical Sciences, 69(9) (2014), 669-675.

3- **Al-Remawi, M.**, Elsayed, A., Maghrabi, I., Hamaidi, M., & **Jaber, N.**. Chitosan/lecithin liposomal nanovesicles as an oral insulin delivery system. Pharmaceutical development and technology, 22(3) (2017), 390-398.

4- **Hamaidi, M., Jaber, N.**, Al-Remawi, M., Elsayed, A., & Maghrabi, I.. A novel pharmaceutical excipient: Coprecipitation of calcium and magnesium silicate using brine-seawater in date palm cellulose as an absorbing host. Journal of Excipients and Food Chemicals, 8(3) (2017).

5- **Maghrabi, I.**, Elsayed, A., Al-Remawi, M., Hamaidi, M. and **Jaber, N.** . Evaluation of calcium magnesium silicate-date palm cellulose as a potential tablet excipient. Journal of Excipients and Food Chemicals (2018) pp.106-115.



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6- **Alsamydai, A.** and **Jaber, N.** Pharmacological aspects of curcumin. IJP, 5(6) (2018), 313-326

7- **Jaber, N.**, & Aiedeh, K. Sorption behavior and release kinetics of iron (II) ions by oleoyl chitosan polymeric nanoparticles. Journal of Drug Delivery Science and Technology, 101354 (2019).

8- **Jaber, N.**, Al-Remawi, M., Qatouseh, L.A., Ahmad, M. and Aiedeh, K. Synthesis, characterization and evaluation of oleoyl-chitosan derivatives as enhancers for ferrous ions nano-delivery using Caco-2 cell model. Journal of Drug Delivery Science and Technology, (2020) , p.101761.

9- **Al-Akayleh, F., Jaber, N., & Al-Remawi, M. (2020).** Designing, Preparation, and Evaluation of Orodispersible Chitosan Anionic Salt Tablets. Journal of Pharmaceutical Innovation, 1-13.

10- **Jaber, N.**, Al-Akayleh, F., Abdel-Rahem, R. A., & Al-Remawi, M. Characterization ex vivo skin permeation and pharmacological studies of ibuprofen lysinate-chitosan-gold nanoparticles. Journal of Drug Delivery Science and Technology, 62 (2021), 102399.

11- **Jaber, N.**, Al-Remawi, M., Al-Akayleh, F., Al-Muhtaseb, N., Al-Adham, I. S., & Collier, P. J. A review of the antiviral activity of Chitosan, including patented applications, and its potential use against COVID-19. Journal of Applied Microbiology (2021).

12- **Al-Adham, I. S., Jaber, N.**, Al-Remawi, M., Al-Akayleh, F., Al-Kaissi, E., Ali Agha, A. S., ... & Collier, P. J. A review of the antimicrobial activity of thermodynamically stable microemulsions. Letters in Applied Microbiology (2021).

13- Ali, A. S., Hajleh, M. N. A., Akour, A., Shalan, N., **Jaber, N.**, Al-Halaseh, L. K., & Alzweiri, M. (2021). Investigation into the prophylactic and therapeutic activity of coenzyme Q10 against COVID-19. Tropical Journal of Pharmaceutical Research, 20(11), 2387-2393.

14- Al-Akayleh, F., Khalid, R. M., Hawash, D., Al-Kaissi, E., Al-Adham, I. S., Al-Muhtaseb, N., **Jaber** & Collier, P. J. (2022). Antimicrobial potential of natural deep eutectic solvents. Letters in Applied Microbiology.

15- Al-Akayleh, F., **Jaber, N.**, Al-Remawi, M., Al Odwan, G., & Qinna, N. (2022). Chitosan-biotin topical film: Preparation and evaluation of burn wound healing activity. Pharmaceutical Development and Technology, 27(4), 479-489.

16- Al-Remawi, M., **Jaber, N.**, Elsayed, A., Alsafadi, D., & Salah, K. A. (2022). Stabilization of insulin using low molecular weight chitosan carbonate nanocarrier. Carbohydrate Polymers, 291, 119579.



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17- Elsayed, A., Al-Remawi, M., **Jaber, N.**, & Abu-Salah, K. M. (2023). Advances in buccal and oral delivery of insulin. *International Journal of Pharmaceutics*, 122623.

18- **Jaber, N.**, & Al-Remawi, M. (2023). Evaluation of a novel water-soluble decanoic acid formulation as a fruit sanitizer. *International Journal of Food Microbiology*, 388, 110067.

19- Alkhawaja, B., Al-Akayleh, F., Al-Khateeb, A., Nasereddin, J., Ghanim, B. Y., Bolhuis, A., **Jaber N.**, & Qinna, N. A. (2023). Deep Eutectic Liquids as a Topical Vehicle for Tadalafil: Characterisation and Potential Wound Healing and Antimicrobial Activity. *Molecules*, 28(5), 2402.

20- Elsayed, A., **Jaber, N.**, Al-Remawi, M., & Abu-Salah, K. (2023). From cell factories to patients: Stability challenges in biopharmaceuticals manufacturing and administration with mitigation strategies. *International Journal of Pharmaceutics*, 123360.