

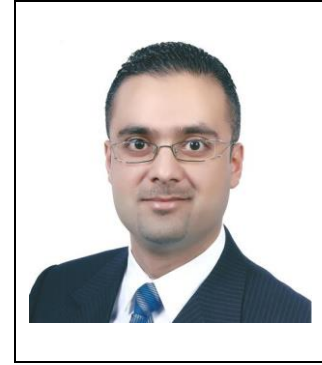
CURRICULUM VITAE

Mohammad Hailat

Faculty of pharmacy,

Al-Zaytoonah University of Jordan, Amman, Jordan

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1. Personal Data

Date of Birth: August 11th, 1984

Nationality: Jordanian

2. Education

- Ph.D. in Pharmaceutical Sciences (Pharmaceutical Technology) 2017, University of Louisiana at Monroe, Monroe, LA, USA

- M.Sc. in Pharmaceutical Sciences (Pharmaceutical Technology) 2010, Jordan University of Science and Technology, Irbid, Jordan

B.Sc. in Pharmacy (Phar. B.) 2007, Jordan University of Science and Technology, Irbid, Jordan

3. Ph.D. Dissertation

Cembranoids as angiogenesis modulators, University of Louisiana at Monroe, Monroe, LA, USA.

4. Employment

Academic Positions

- Assistant Professor, Faculty of Pharmacy, Jadara University, Irbid, Jordan
Oct 2017 – Oct 2019
- Assistant Professor, Faculty of Pharmacy, Al-Zaytoonah University of Jordan, Amman, Jordan
Oct 2019 – now



5. Research Interests

Pharmaceutics, Drug Delivery Systems, Nanotechnology, Anticancer Therapy

1) Teaching Experience

Undergraduate Courses

Cosmetics Preparations, Industrial pharmacy, Pharmaceutics II, Pharmaceutical Technology Lab, Pharmaceutics I, Pharmaceutics III, Pharmaceutical Calculations, Quality Control of Pharmaceuticals, Pharmaceutics III Lab, Pharmaceutical Technology Lab., Pharmacy Practice Lab., Drug Delivery Systems

2) Supervision of Graduate Research

Hakam Al-Aqabani , In vitro anti-invasion activity of surface modified gold nanorods against prostate cancer, 2020

3) Grants

Scientific Research and Innovation Support Fund, November, 2020.

Total: 68,270.00 JD

Title of the project: “Biodegradable polymeric nanoparticles based on poly(Lactic-co-glycolic acid (PLGA) for anti-cancer drug delivery applications)”

4) Patents

El Sayed KA, Ebrahim H, Mohyledin M, **Hailat M.** “Therapeutics and Methods to Treat Angiogenesis Related Pathologies”. Filed US patent number 62508605, May 2017.

5) Professional and Scientific Meetings

- Modern Techniques in Pharmaceutical Sciences, the first international conference of the faculty of pharmacy, April 18th -19th, the Dead Sea, Jordan (2018). “The tobacco cembranoid as a novel angiogenesis inhibitory lead for the control of breast malignancies.”

Poster Presentation

- Mohammad M Hailat, Hassan Y. Ebrahim, Khalid A. El Sayed. “A Tobacco Cembranoid as VEGFR Inhibitor for the Control of Triple Negative Breast Malignancies”. presented as a poster in: The 16th Annual Student Research



QFG11/0110 - 3.1E

Curriculum Vitae Form - Procedures of Appointment and Promotion Committee

Symposium, held on the University of Louisiana at Monroe campus, LA on Tuesday, March 8, 2016.

- S. Alzghoul, M. Hailat, S. Zivanovic, L. Que, and G. Shah, "Development of nanopore thin film-based optofluidic sensors for measurement of circulating prostate cancer markers," poster presentation at Gordon Research Conference: Cancer Nanotechnology, Mount Snow, West Dover, VT, June 28 - July 3, 2015.
- S. Alzghoul, M. Hailat, S. Zivanovic, L. Que, and G. Shah, "Measurement of Serum Prostate Cancer Markers Using a Nanopore Thin Film Based Optofluidic Chip." Gordon Research Conference, Italy, 2015
- S. Alzghoul, M. Hailat, S. Zivanovic, G. Shah, and L. Que, "Detection of neuroendocrine marker in blood samples using an optofluidic chip," Transducers 2015 IEEE Conference, The 18th International Conference of Solid-State Sensors, Actuators, and Microsystems, Poster no. M3P.056, Anchorage, Alaska, June 21-25, 2015.
- Mohammad Hailat, Ahmed Aljameeli, Girish V. Shah, "Evidence of epigenic deregulation of calcitonin gene in prostate cancer". Gordon Research Conference on Genetics and Epigenetics of Cancer, Barga, Italy, April 2015.
- Salah Alzghoul, Long Que, Mohammad Hailat and Girish V. Shah, "Development of a novel prostate cancer test for mass screening". Industry Day, LA Tech Shreveport Center, September 25, 2014.

6) Publications

1. Anti-Diabetic Effect of Cotreatment with Resveratrol and Pioglitazone in Streptozotocin-Induced Diabetic Rats. European Review for Medical and Pharmacological Sciences. *Accepted for publication.*
2. Ali Jaber, Israa Al-Ani, **Mohammad Hailat**, Enass Daoud, Anmar Abu-Rumman, Zainab Zakaraya, Bashar JM Majeed, Osaid Al Meanazel, Wael Abu Dayyih. [Esomeprazole and apixaban pharmacokinetic interactions in healthy rats](#). Heliyon, Volume 8, Issue 10, October 2022, e11015.
3. **Mohammad Hailat**, Israa Al-Ani, Zainab Zakareia, Ramadan Al-Shdefat, Osaid Al-Meanazel, Md Khalid Anwer, Mohammed Hamad, Walid Abu Rayyan, Riad Awad, Wael Abu Dayyih. [Development and Validation of HPLC-DAD Method for the Determination of Favipiravir and Studying the Impact of Vitamin C on the Pharmacokinetics of COVID-19 Antiviral Drug Favipiravir](#). Separations 2022, 9, 303. <https://doi.org/10.3390/separations9100303>
4. Wael Abu Dayyih, **Mohammad Hailat**, Tayel A. Al Hujran, Mousa Magharbeh, Zainab Zakaraya, Lina Al Tamimi, Aseel M.



- Aburumman, Hamza Abumansour, Riad Awad. [Spectrophotometric analysis of empagliflozin tablets as SGLT2 inhibitors in pharmaceutical samples](#). Journal of Applied Pharmaceutical Sciences, Volume 12, Issue 10, October, 2022, DOI: 10.7324/JAPS.2022.121015
5. Ali Alsarhan, Naznin Sultana, Lee Suan CHUA, Ashraf O Khashroom, **Mohammad Hailat**, Wael Abu Dayyih, Lina Nasser AlTamimi, Zainab Zakaraya, Aseel Aburumman, Riad M Awad. [The antidiabetic effect of aqueous extract from Orthosiphon Stamineus Benth on normal and alloxan-induced diabetic rats](#). Sapporo Medical Journal, Volume 56, Issue 06, June 2022.
 6. Raneem Ahmad †, **Mohammad Hailat** †, Zainab Zakaraya, Osaid Al Meanazel and Wael Abu Dayyih. [Development and Validation of an HPLC Method for the Determination of Meloxicam and Pantoprazole in a Combined Formulation](#). Analytica 2022, 3(2), 161-177; <https://doi.org/10.3390/analytica3020012>. † : **equal contributions**
 7. Hazim A, Hamadi S, Idkaidek N, Abu-Dayyah W, Al-Tweiq A-M, Aljalab T and **Hailat M** .[Validation Method for Blood and Saliva Lithium Determination: Application for Therapeutic Drug Monitoring by Atomic Absorption Spectrophotometry](#). Austin J Pharmacol Ther. 2022; 10(1).1158.
 8. **Mohammad Hailat**, Zainab Zakaraya, Israa Al-Ani, Osaid Al Meanazel, Ramadan Al-Shdefat, Md Khalid Anwer, Mohamed J Saadh, Wael Abu Dayyih. [Pharmacokinetics and Bioequivalence of Two Empagliflozin, with Evaluation in Healthy Jordanian Subjects under Fasting and Fed Conditions](#). Pharmaceuticals 2022, 15, 193. <https://doi.org/10.3390/ph15020193>
 9. Razan A. Ahmad^ψ, **Mohammad M. Hailat**^ψ, Malak A. Jaber, Bayan. Alkhawaja, Ammar A. Rasras, Ramadan Al-Shdefat, Eyad Mallah And Wael Abu Dayyih. [RP-HPLC method development for simultaneous estimation of empagliflozin, pioglitazone, and metformin in bulk and tablet dosage forms](#). Vol. 78 No. 3 pp. 305–315, 2021. *Acta Poloniae Pharmaceutica - drug research*; DOI: 10.32383/appdr/139635. **ψ: equal contributions.**



10. **Mohammad Hailat**, Israa Al-Ani, Mohammed Hamad, Zainab Zakareia and Wael Abu Dayyih. [Development and Validation of a Method for Quantification of Favipiravir as COVID-19 Management in Spiked Human Plasma](#). *Molecules* 2021, 26(13), 3789; <https://doi.org/10.3390/molecules26133789>.
11. Negia AE Mohamed, Walid Al-Qerem, Ezeddin Salem Gassar, Mohammad Hailat, Faiza A.M. Elhamdy. [A need for improvement in the knowledge, attitudes and practice toward Vitamin D among university students](#). *Bahrain Medical Bulletin*, Vol. 43, No. 2, June 2021. y. <https://doi.org/10.5281/zenodo.4141014>
12. Wael Abu Dayyih, Mohamad H Manaysa, **Mohammad M Hailat**, Zainab Zakareia, Feras El Hajji,. [Influence of Castor Oil on Glycated Hemoglobin \(HbA1c\) on Induced Type 2 Diabetes Mellitus in Rats](#). *Jordan Journal of Pharmaceutical Sciences*. *Jordan Journal of Pharmaceutical Sciences*, Volume 14, No. 3, 2021.
13. Mohamed J. Saadh, Ammar M. Almaaytah, Mohd Alaraj, Moeen F. Dababneh, Issam Sa'adeh, Saed Aldalaen, Abeer Mohammad Kharshid, Amany Alboghdady, **Mohammad Hailat**, Anas Khaleel, Khawla D. Al-Hamaideh, Wael Abu Dayyih. [Punicalagin and zinc \(II\) ions Inhibit the Activity of SARS-CoV-2 3CL-Protease In Vitro](#). *European Review for Medical and Pharmacological Sciences*. *Volume:25, Pages: 3908-3913*.
14. Maher Fares, Israa Al-Ani, **Mohammad Hailat**, Anas Khaleel, Phil Collier, Asmaa Al-Ani, Wael Abu Dayyih. [Evaluation the Impact of Grapefruit Juice on Sitagliptin Pharmacokinetics in Healthy Rats](#). *International Journal of Pharmaceutical Research*, Vol 13, Issue 2. DOI:<https://doi.org/10.31838/ijpr/2021.13.02.271>
15. Ramadan Al-Shdefat, **Mohammad Hailat**, Abeer M. Kharshid, Mohamed J. Saadh, Mohammed F. Hamed, Md. Khalid Anwer, Heba Abdel-Halim, Wael Abu Dayyih. [Evidence of Human Metabolites of Omeprazole and its Structure Elucidation by using HPLC-MS](#). *Journal of Molecular Structure*. Volume 1230, April 15, 2021, 129902. <https://doi.org/10.1016/j.molstruc.2021.129902>



16. Walid Al-Qerem, **Mohammad Majed Hailat**, Ezeddin Salem Gassar, Anan S Jarab. [Development and validation of medication storage and disposal questionnaire](#). DOI:
 a. 10.17632/6jzc9yx2c5.1. *It was accepted for publication.*
17. Zainab Alkather, **Mohammad Hailat**, Ramadan Al-Shdefat, Wael Abu Dayyih. [Development and Validation of an HPLC Method for Five Gliptins in Pharmaceutical Dosage Forms in Finished Marketed Products](#). Year 2020, ISSN: 1875-676X (Online), ISSN: 1573-4129 (Print), DOI : 10.2174/1573412917999201102212635.
18. Abeer Mohammad Kharshid, Syed Azhar Syed Sulaiman, Mohamed J. Saadh, Haneen Barakat, Israa H. Al-Ani, Riad M. Awad, **Mohammad M. Hailat**, Wael Abu Dayyih. [Knowledge, Attitudes, and Perceptions of Healthcare Professionals towards Early Referral and Using Statins in Non-dialysis CKD Patients](#). Systematic Reviews in Pharmacy. Vol 11, Issue 7, July-Aug 2020.
19. Israa W. Habash, Ramadan Ibrahim Al-Shdefat, **Mohammad Majed Hailat**, Wael Abu Dayyih. [A Stability Indicating RP-HPLC Method Development for Simultaneous Estimation of Alogliptin, Pioglitazone, and Metformin in Finished Pharmaceutical Formulations](#). ACTA POLONIAE PHARMACEUTICA. Vol 77, No.4, 2020, DOI: 10.32383/appdr/125774.
20. **Hailat M**, Al-Shdefat RI, Muflih SM, Ahmed N, Attarabeen O, Alkhateeb FM, et al. [Public knowledge about dosage forms, routes of drug administration and medication proper storage conditions in Riyadh District, Saudi Arabia](#). Journal of Pharmaceutical Health Services Research. 2020; 11:205–13. DOI:10.1111/jphs.12359
21. Muqtader Mohammed, Mansour S. Alnafisah, Md. Khalid Anwer, Farhat Fatima, Bjad K. Almutairy, Saad M. Alshahrani, Abdullah S. Alshetaili, Ahmed Alalaiwe, Mohamed H. Fayed, Ahmad Z. Alanazi, Mohammed Al Zahrani, **Mohammad M. Hailat**, and Ramadan Al-Shdefat. [Chitosan surface modified PLGA nanoparticles loaded with brigatinib for the treatment of non-small cell lung cancer](#). Journal of Polymer Engineering. 2019 Nov 26; 39(10):909–16. Available from: <https://www.degruyter.com/view/journals/polyeng/39/10/article-p909.xml>



22. **Mohammad M. Hailat**, Hassan Y. Ebrahim, Mohamed M. Moheyldin, Amira A. Goda, Abu Bakar Siddique, Khalid A. El Sayed. "[The tobacco cembranoid \(1S,2E,4S,7E,11E\)-2,7,11-cembratriene-4,6-diol as a novel angiogenesis inhibitor for the control of triple negative breast malignancies](#)". Bioorganic & Medicinal Chemistry, 2017, (<http://dx.doi.org/10.1016/j.bmc.2017.05.028>, PMID: 28583806).
23. El Sayed KA, Ebrahim H, Mohyeldin M, **Hailat M.** "[Therapeutics and Methods to Treat Angiogenesis Related Pathologies](#)." Filed US patent number 62508605, May 2017.
24. Ebrahim, Hassan Y, Mohamed M Mohyeldin, **Mohammad M Hailat**, and Khalid A El Sayed. "[\(1S,2E,4S,7E,11E\)-2,7,11-Cembratriene-4,6-Diol Semisynthetic Analogs as Novel C-Met Inhibitors for the Control of C-Met-Dependent Breast Malignancies](#)." Bioorganic & Medicinal Chemistry 24, no. 22 (2016): 5748-61 (PMID: 27681240).
25. Alzghoul Salah†1, **Mohammad Hailat†1**, Sandra Zivanovic, Long Que, and Girish V Shah. "[Measurement of Serum Prostate Cancer Markers Using a Nanopore Thin Film Based Optofluidic Chip](#)." Biosensors and Bioelectronics 77 (2016): 491-98 (PMID: 26457734, †1: equal contributions).
26. Alzghoul Salah, **Mohammad Hailat**, Sandra Zivanovic, Girish V Shah, and Long Que. "[Detection of Neuroendocrine Marker in Blood Samples Using an Optofluidic Chip](#)." In Solid-State Sensors, Actuators and Microsystems (TRANSDUCERS), 2015 Transducers-2015 18th International Conference on, 1703-1706: IEEE, 2015.