

CURRICULUM VITAE

Suhair Ziad Abed Alhameed Sunogrot

Department of Pharmacy/Faculty of Pharmacy

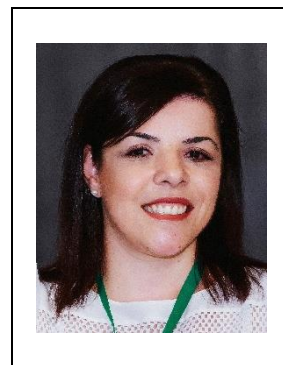
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1. Personal Data

Date of Birth: 20/2/1984

Nationality: Jordanian

2. Education

- Ph.D. (Biopharmaceutical Sciences) 2013, University of Illinois, Chicago, IL, USA
- B.Sc. (Pharmacy) 2007, University of Jordan, Amman, Jordan

3. Ph.D. Dissertation

A Multi-scale Hybrid Nanoparticle Platform with Controlled Cellular Interaction and Targeting Kinetics, University of Illinois, Chicago, IL, USA.

4. Employment

Academic Positions

- Professor, Department of Pharmacy, Faculty of Pharmacy, Al-Zaytoonah University of Jordan, Amman, Jordan.
February, 2023 – Present
- Associate Professor, Department of Pharmacy, Faculty of Pharmacy, Al-Zaytoonah University of Jordan, Amman, Jordan.
February, 2019 – February 2023
- Assistant Professor, Department of Pharmacy, Faculty of Pharmacy, Al-Zaytoonah University of Jordan, Amman, Jordan.



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February, 2014 – February, 2019

- Graduate Teaching and Research Assistant, Department of Biopharmaceutical Sciences, College of Pharmacy, University of Illinois, Chicago, IL, USA. August, 2008 – August, 2013

Administrative Positions

- Head of the Department of Pharmacy, Faculty of Pharmacy, Al-Zaytoonah University of Jordan, Amman, Jordan. October, 2022 – Present

5. Research Interests

- Drug delivery
- Nanomedicine
- Pharmaceutics

6. Membership in Scientific Societies and Associations

- The World Academy of Sciences (TWAS) Young Affiliates Network, 2021 – Present.
- The Arab-German Young Academy (AGYA) of Sciences and Humanities, 2019 – Present.
- The Jordanian Pharmacists Association (JPA), 2007 – Present.

7. Honors and Awards

1. Samia Mango Award for Distinguished Researchers, Hamdi Mango Center for Scientific Research, the University of Jordan, Amman, Jordan, 2023.
2. Ali AlQerem Prize for Excellence and Innovation – Distinguished Researcher in Health Sciences Track, Al-Zaytoonah University of Jordan, Amman, Jordan, 2022.
3. Elected Young Arab Affiliate, the World Academy of Sciences (TWAS), Trieste, Italy, 2021–2026.
4. Elected Member, the Arab-German Young Academy of Sciences and Humanities (AGYA), Berlin, Germany, 2019–2024.
5. The 7th Arab-American Frontiers in Science, Engineering, and Medicine Symposium Travel Award, The US National Academy of Sciences, Washington, DC, USA, 2019.
6. TWAS Prize for Young Scientists from Jordan, The World Academy of Sciences (TWAS), Trieste, Italy, 2018.
7. The 5th Arab-American Frontiers in Science, Engineering, and Medicine Symposium Travel Award, The US National Academy of Sciences, Washington, DC, USA, 2017.



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8. Charles Wesley Petranek Award, Department of Biopharmaceutical Sciences, College of Pharmacy, University of Illinois, Chicago, IL, USA, 2013.
9. Chancellor's Student Service and Leadership Award, Office of the Vice Chancellor for Student Affairs, University of Illinois, Chicago, IL, USA, 2013.
10. W.E. van Doren Award, Department of Biopharmaceutical Sciences, College of Pharmacy, University of Illinois, Chicago, IL, USA, 2012.
11. Graduate Student Council Travel Award, Graduate Student Council, University of Illinois, Chicago, IL, USA, 2011.
12. Provost and Deiss Award for Research, Graduate College, University of Illinois, Chicago, IL, USA, 2011.
13. Graduate College Student Presenter Award, Graduate College, University of Illinois, Chicago, IL, USA, 2010.
14. Rho Chi Pharmacy Honor Society Inductee, 2010.
15. Hikma Pharmaceuticals Award for Academic Excellence, Hikma Pharmaceuticals, Amman, Jordan, 2007.

8. Fellowships and Scholarships

1. Research Stays for University Academics and Scientists Scholarship, German Academic Exchange Service (DAAD), Bonn, Germany, 2022.
2. Daniel Turnberg Travel Fellowship, The Academy of Medical Sciences, London, UK, 2018.
3. Postdoctoral Researchers' Networking Tour (Postdoc-NeT) Fellowship, German Academic Exchange Service (DAAD), Bonn, Germany, 2017.
4. Fulbright Visiting Scholar Fellowship, The J. William Fulbright Foreign Scholarship Board, Washington, DC, USA, 2016–2017.
5. Chancellor's Supplemental Graduate Research Fellowship, Graduate College, University of Illinois, Chicago, IL, USA, 2010–2012.
6. Graduate Teaching and Research Assistantship, Department of Biopharmaceutical Sciences, College of Pharmacy, University of Illinois, Chicago, IL, USA, 2008–2013.
7. Undergraduate Scholarship, Ministry of Higher Education, Amman, Jordan, 2003–2007.

9. Teaching Experience

- *Graduate Courses*
 - Advanced Drug Delivery
 - Advanced Pharmaceutical Technology



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- **Undergraduate Courses**
 - Biostatistics
 - Drug Delivery Systems
 - Pharmaceutics 1
 - Pharmaceutics 3
 - Pharmaceutics & Compounding Laboratory
 - Pharmaceutical Technology
 - Pharmaceutical Technology Laboratory

10. **Supervision of Graduate Research**

1. Reham Almughier, “Development and Biological Evaluation of a Polymeric Nanoformulation for the Bioactive Extracts of *Ephedra alata*”, 2022 – present.
2. Otrujja Alkhaldi, “Development and Evaluation of Mitoxantrone-Loaded Polyquercetin Nanoparticles and their Potential Synergism with other Anticancer Agents”, defended 2022/2023.
3. Rama AlSamarat, “A Glucose Oxidase-Based Nanocarrier for Multimodal Synergistic Cancer Therapy”, defended 2022/2023.
4. Malak Alkurdi, “Development of a Polymeric Nanomedicine to Improve the Bioactivity and Bioavailability of Plant Polyphenols”, defended 2021/2022.
5. Sundos Aliyeh, “Development of a Polymeric Nanoparticle Formulation for Phosphatidylinositol 3-Kinase Alpha (PI3K α) Inhibitors as a Potential Anticancer Nanomedicine”, defended 2021/2022.
6. Mohammad Abu-Shalhoob, “Development and Evaluation of Polyphenol Nanoparticles as a Hepatoprotective Nanomedicine against Diclofenac-Induced Hepatotoxicity”, defended 2021/2022.
7. Samah Abusulieh, “Preparation and Characterization of Rhoifolin-Loaded Polymeric Nanoparticles as a Potential Natural Nanomedicine for Inflammation”, defended 2020/2021.
8. Mohammad Yasin, “Fabrication, Characterization, and Biological Evaluation of Coal Tar-Encapsulated Polymeric Nanoparticles for Psoriasis Treatment”, defended 2020/2021.
9. Bayan Orainee, “Development and Evaluation of Curcumin-loaded Tannic Acid Nanoparticles as an Anti-cancer Nanomedicine”, defended 2019/2020.
10. Muzn Alkhaldi, “Development of a Polymeric Nanoformulation for Cirsiliol Isolated from *Teucrium polium L.*”, defended 2018/2019.
11. Tahany Aldebsi, “Synthesis and Evaluation of Curcumin-loaded Polyphenol Nanoparticles as a Potential Anti-cancer Nanomedicine”, defended 2017/2018.
12. Lujain Abujamous, “Development of Quercetin-loaded Polymeric Nanoparticles for Targeted Delivery to Colon Cancer”, defended 2017/2018.



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13. Aya Alsadi, "Influence of Polymer Type and Its Molecular Weight on the Release of Quercetin from Polymeric Micelles", defended 2015/2016.
14. Reem Aljanabi, "The Effect of pH and Ionic Strength of the Dissolution Media on the Rate of Drug Release from Matrix Tablets", defended 2015/2016.
15. Marwa Basil, "Development and Optimization of Diclofenac Diethylamine Nanoemulsion-based Gel Formulation", defended 2014/2015.

11. Grants

1. Comparative Study of the Effects of Different Tobacco Products Exposure on Different Organs in Rats, 2023-2025, Deanship of Scientific Research and Innovation, Al-Zaytoonah University of Jordan, Amman, Jordan, 15,000 JOD. **Role: Co-PI.**
2. Smoking and Anxiety–Can Antioxidants Help? An Interdisciplinary Investigation in Behavioral and Molecular Correlates and Potential Mitigating Factors (Part II), 2022, The Arab-German Young Academy of Sciences and Humanities (AGYA), Berlin, Germany, 20,970 EUR. **Role: PI.**
3. Aptamer-guided Plant Polyphenol Nanoassemblies for Effective Cancer Targeting, 2022–2025, The International Centre for Genetic Engineering and Biotechnology (ICGEB), Trieste, Italy, 45,000 EUR. **Role: PI.**
4. Identifying Synergistic Combinations of Chemotherapy-Loaded Polyquercetin Nanoparticles and Natural Products to Optimize Anticancer Nanomedicines, 2021–2023, Deanship of Scientific Research and Innovation, Al-Zaytoonah University of Jordan, Amman, Jordan, 15292 JOD. **Role: PI.**
5. Smart Nanomaterials for Protection and Remote-Controlled Delivery of Active Ingredients in Skin Care Products, 2021–2023, The Newton-Khalidi Fund Transforming Systems through Partnership Program, the Royal Academy of Engineering (RAE), London, UK, 79,115 GBP. **Role: Co-PI.**
6. Smoking and Anxiety–Can Antioxidants Help? An Interdisciplinary Investigation in Behavioral and Molecular Correlates and Potential Mitigating Factors, 2021, The Arab-German Young Academy of Sciences and Humanities (AGYA), Berlin, Germany, 25,055 EUR. **Role: PI.**
7. Artificial Intelligence as a Tool to Optimize Nanomedicine for Cancer Therapy, 2021, The Arab-German Young Academy of Sciences and Humanities (AGYA), Berlin, Germany, 25,323 EUR. **Role: PI.**
8. Plant Polyphenols as Building Blocks for Novel Nano(bio)materials, 2020, The Arab-German Young Academy of Sciences and Humanities (AGYA), Berlin, Germany, 18,979 EUR. **Role: PI.**
9. Toward Effective Solutions for Combatting COVID-19: An Interdisciplinary Approach, 2020–2021, The Arab-German Young Academy of Sciences and Humanities, Berlin, Germany, 60,000 EUR. **Role: Co-PI.**



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10. Investigation of Quercetin Nanoparticles Structure and Self-Assembly by Small-Angle X-ray Scattering at Elettra Synchrotron SAXS Beamline, 2019, Horizon 2020 Project ACCELERATE, Central European Research Infrastructure Consortium (CERIC), Trieste, Italy. **Role: PI.**
11. Design and Development of an Enzyme-based Closed Loop System for Controlling Glycemia, 2019–2021, Deanship of Scientific Research, Al-Zaytoonah University of Jordan, Amman, Jordan, 28,382 JOD. **Role: Co-PI.**
12. Preparation and Evaluation of Melanin-Mimetic Polydopamine Nanoparticles for Transdermal Drug Delivery: Effect of Surface Chemistry, 2018–2020, Abdul Hameed Shoman Research Fund and Al-Zaytoonah University of Jordan, Amman, Jordan, 19,500 JOD. **Role: PI.**
13. Green Synthesis of Multifunctional Nanoparticles from Plant Polyphenols for Anti-cancer Drug Delivery, 2018–2019, UNESCO, Paris, France, 26,000 USD. **Role: PI.**
14. Synthesis and Biological Evaluation of Polyphenol Nanoparticles for Targeted Anti-cancer Drug Delivery, 2018–2020, Deanship of Scientific Research and Graduate Studies, Al-Zaytoonah University of Jordan, Amman, Jordan, 79,700 JOD. **Role: PI.**
15. Synthesis and Evaluation of Polyphenol Nanoparticles for Targeted Drug Delivery to Cancer Cells, 2017–2019, the World Academy of Sciences (TWAS), Trieste, Italy, 4,000 USD. **Role: PI.**
16. The Manufacture and Characterization of Hydrogel-based Platforms for the Reduction of Bacterial Adhesion in Implanted Medical Devices, 2015–2018, Deanship of Scientific Research and Graduate Studies, Al-Zaytoonah University of Jordan, Amman, Jordan, 128,100 JOD. **Role: Co-PI.**
17. Design and Biological Evaluation of Flavonoid-encapsulated Polymeric Micelles as Potential Anti-cancer Nanomedicines, 2016–2018, Deanship of Scientific Research, University of Jordan, Amman, Jordan, 13,300 JOD. **Role: Co-PI.**
18. Mussel-inspired Mucoadhesive Nanoparticles as Novel Gastro-retentive Dosage Forms, 2015–2017, Deanship of Scientific Research and Graduate Studies, Al-Zaytoonah University of Jordan, Amman, Jordan, 69,530 JOD. **Role: PI.**

12. Patents

- Not applicable

13. Membership of Committees

- National and international level

1. Member, Steering Committee, the Arab-German Young Academy of Sciences and Humanities (AGYA), Berlin, Germany, 2021 – 2022.
2. Judge, International Science and Engineering Fair (ISEF), Ministry of Education, Amman, Jordan, 2020 – Present.



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3. Member, Post-approval Changes (PAC) Committee, Jordan Food and Drug Administration, Amman, Jordan, 2014–2016.

- **University level**

1. Chair, Curriculum and Learning Resources Committee, Faculty of Pharmacy, 2022 – Present.
2. Chair, Departmental Graduate Studies Committee, Faculty of Pharmacy, 2022 – Present.
3. Member, Faculty Council, Faculty of Pharmacy, 2022 – Present.
4. Member, Faculty Graduate Studies Committee, Faculty of Pharmacy, 2022 – Present.
5. Member, Quality Assurance Committee, Faculty of Pharmacy, 2022 – Present.
6. Member, Scientific Research Council, Al-Zaytoonah University of Jordan, 2021 – 2022.
7. Chair, Scientific Research Committee, Faculty of Pharmacy, 2021 – 2022.
8. Member, University Council, Al-Zaytoonah University of Jordan, 2019 – 2020.
9. Chair, Seminars and Conferences Committee, Faculty of Pharmacy, 2019 – 2020.
10. Member, Curriculum and Learning Resources Committee, Faculty of Pharmacy, 2018 – Present.
11. Member, Steering Committee for Application for ACPE Certification, Faculty of Pharmacy, 2018 – 2021.
12. Member, Instruments and Laboratory Affairs Committee, Faculty of Pharmacy, 2018 – 2021.
13. Member, Quality Assurance Committee, Faculty of Pharmacy, 2017 – 2018.
14. Member, Scientific Research Committee, Faculty of Pharmacy, 2015 – 2016, 2017 – 2018, 2022 – 2021.
15. Member, Seminars and Conferences Committee, Faculty of Pharmacy, 2015–2016.
16. Member, Competency Exam in Pharmacy Committee, Faculty of Pharmacy, 2015 – 2016.
17. Member, Alumni Affairs Committee, Faculty of Pharmacy, 2014 – 2015.
18. Member, Computing and E-learning Committee, Faculty of Pharmacy, 2014 – 2015.

14. Professional and Scientific Meetings

- *Scientific meetings organized*

1. Scientific Committee Member, Al-Zaytoonah University 1st Scientific Conference for Graduate Studies, Amman, Jordan, 2023.
2. Scientific Committee Member, Al-Zaytoonah University of Jordan 8th International Pharmaceutical Conference, Amman, Jordan, 2022.



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3. Organizing Committee Member, Awareness Campaign and Workshop Targeting the Problem of Antibiotic Resistance, the Arab-German Young Academy of Sciences and Humanities (AGYA), Tunis, Tunisia, 2022.
 4. Session Chair, Bioinspired Nanomaterials Meeting, Glasgow, UK, 2019.
 5. Scientific Committee Member, The 2nd Conference of the Faculty of Pharmacy, Al-Isra University, Amman, Jordan, 2017.
 6. Organizing Committee Member, Al-Zaytoonah University of Jordan and The University of Toledo 5th International Pharmaceutical Conference (ZTIPC), Amman, Jordan, 2015.
 7. Scientific Committee Member, The 1st International Conference of the Jordanian Faculties of Pharmacy, Al-Isra University, Amman, Jordan, 2015.
 8. Organizing Committee Member, Controlled Release Society Student Chapter Annual Seminar Series, Chicago, IL, USA, 2009–2011.
 9. Organizing Committee Member, Controlled Release Society Student Chapter Annual Symposium, Chicago, IL, USA, 2009–2011.
- *Participation in scientific meetings*
1. “Plant Polyphenols as Precursors for Nature-Inspired Nano(bio)materials”, the 49th IUPAC World Chemistry Congress (IUPAC|CHAINS), the Hague, Netherlands, 2023.
 2. “The Unconventional Use of Plant Polyphenols as Drug Delivery Nanocarriers”, Yarmouk University 3rd Scientific Conference, Faculty of Pharmacy, Yarmouk University, Irbid, Jordan, 2023.
 3. “Nanomedicine Research: A Pharmacist Perspective”, International Pharmacy Students Association – Eastern Mediterranean Regional Office (IPSF-EMRO) Pharmacy Career Summit, Online, 2023.
 4. “Funding Opportunities Offered by the International Centre for Genetic Engineering and Biotechnology (ICGEB)”, Deanship of Scientific Research, University of Jordan, Amman, Jordan, 2022.
 5. “Building a Nature-Inspired Nanomedicine Lab in Jordan”, IUPAC’s Global Women’s Breakfast hosted by the Royal Scientific Society (RSS), Amman, Jordan, 2022 (**Keynote Speaker**).
 6. “The Versatility of Plant Polyphenols as Therapeutic Agents and Nanoparticle Building Blocks”, Stronger Together Webinar Series, Bezmialem Vakif University, Istanbul, Turkey, 2021.
 7. “Bioinspired Melanin-Mimetic Polydopamine Nanoparticles as Emerging Nanomaterials for Dermal Applications: The Impact of Surface Chemistry”, The University of Jordan School of Pharmacy Conference, Amman, Jordan, 2021.



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8. "Plant Polyphenols as a Source of Nanomaterials for Biomedical Applications", The Royal Scientific Society R&D Meeting, Amman, Jordan, 2020.
9. "Green Synthesis of Versatile Nanoparticles from Plant Polyphenols: Case Example of Quercetin", Al-Zaytoonah University of Jordan and The University of Toledo 7th International Pharmaceutical Conference (ZTIPC), Amman, Jordan, 2019.
10. "Plant Polyphenols as a Renewable Source of Drug Delivery Nanocarriers: The Story of Quercetin", Bioinspired Nanomaterials Meeting, Glasgow, UK, 2019.
11. "Green Synthesis of Multifunctional Nanoparticles from the Plant Polyphenol Quercetin for Drug Delivery", The 8th IUPAC International Conference on Green Chemistry, Bangkok, Thailand, 2018.
12. "Bioinspired Nanoparticles from Quercetin as Prospective Drug Delivery Nanocarriers", Al-Zaytoonah University of Jordan and The University of Toledo 6th International Pharmaceutical Conference (ZTIPC), Amman, Jordan, 2017.
13. "Mussel-inspired Polymeric Nanoparticles as Prospective Platforms for Gastro-retentive Drug Delivery", The 1st Conference of the Faculty of Pharmacy at Yarmouk University, Irbid, Jordan, 2017.

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

- Participation in curricular/extracurricular activities

1. Thesis examination committee member for Mohammad Musleh, MSc Student, Faculty of Pharmacy, Al-Zaytoonah University of Jordan, June 2023.
2. Thesis examination committee member for Tasnim Riyal, MSc Student, Faculty of Pharmacy, University of Jordan, May 2023.
3. Topic Editor, Pharmaceutics, MDPI, Switzerland, November 2022 – Present.
4. Thesis examination committee member for Fedaa Aladaileh, PhD student, Department of Chemistry, Faculty of Science, University of Jordan, May 2022.
5. Thesis examination committee member for Dalya Alsaidi, MSc Student, Faculty of Applied Medical Sciences, Jordan University of Science and Technology, February 2022.
6. Review Editor, Dermatological Drug Delivery Section, Frontiers in Drug Delivery, Switzerland, March 2022 – Present.
7. Participant in "Principles of Interactive Learning & Its Applications" workshop, Al-Zaytoonah University of Jordan, October 2021.



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8. Thesis examination committee member for Batool Alghzawi, MSc Student, Faculty of Pharmacy, Jordan University of Science and Technology, August 2021.
 9. Participant in “The XV School on Synchrotron Radiation “Gilberto Vlaic”: Fundamentals, Methods and Applications”, Muggia, Italy, September 2019.
 10. Scientific Board member, Bezmialem Science Journal, Bezmialem Vakif University, Turkey, February 2019 – Present.
 11. Thesis examination committee member for Haitham Omran, MSc Student, Faculty of Pharmacy, Al-Zaytoonah University of Jordan, May 2019.
 12. Participant in “Educational Videos: Designing, Montaging, and Uploading to E-Learning Sites” Workshop, Al-Zaytoonah University of Jordan, October 2018.
 13. Featured guest on Double Shelix podcast, part of a special series entitled “You Do Belong in Science”, talking about creating opportunities for international research and running a research lab in Jordan, May 2018.
 14. Thesis examination committee member for Ahmad Farhan, MSc Student, Faculty of Pharmacy, Al-Zaytoonah University of Jordan, April 2018.
 15. Participant in “E-Learning Training” workshop, Al-Zaytoonah University of Jordan, October 2017.
 16. Technical Consultant, Post-approval Changes Committee, Jordan Food and Drug Administration, June 2014 – August 2016.
 17. Thesis examination committee member for Ali Jasim, MSc Student, Faculty of Pharmacy, Al-Zaytoonah University of Jordan, April 2015.
 18. Thesis examination committee member for Areej Awadallah, MSc Student, Faculty of Pharmacy, Al-Zaytoonah University of Jordan, December 2014.
 19. Peer reviewer for several journals such as RSC Advances, Journal of Materials Chemistry B, Biomaterials Science, Pharmaceutics, Journal of Chemical Education, Pharmaceutical Research, and Jordan Journal of Pharmaceutical Sciences, October 2014 – present.
- ***Organization of curricular/extracurricular activities***
1. Organized an “Awareness Campaign and Workshop Targeting the Problem of Antibiotic Resistance” on behalf of the Health and Society Working Group of the Arab-German Young Academy of Sciences and Humanities (AGYA), Tunis, Tunisia, March 2022.
 2. Organized a workshop for Faculty members entitled “Revising Course Syllabi for the Academic Year 2021/2022”, on how to revise their course syllabi according to the latest mandates by the Accreditation and Quality Assurance Commission for Higher Education Institutions (AQACHEI) and the newly



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- adopted program competencies, Faculty of Pharmacy, Al-Zaytoonah University of Jordan, Amman, Jordan, July 2021.
3. Organized an online workshop entitled “Integrating Digital Learning Tools in Higher Education: Opportunities and Challenges”, on behalf of the Arab and German Education Working Group of the Arab-German Young Academy of Sciences and Humanities (AGYA), November 2020.
 4. Organized an online workshop entitled “Leadership Skills in Academia”, on behalf of the Arab and German Education Working Group of the Arab-German Young Academy of Sciences and Humanities (AGYA), November 2020.
 5. Organized and administered a hybrid workshop for Faculty members entitled “Introduction to Learning Taxonomies and CAPE Educational Outcomes” on how to write good learning objectives based on Bloom’s taxonomy and CAPE educational outcomes for pharmacy, Faculty of Pharmacy, Al-Zaytoonah University of Jordan, Amman, Jordan, September 2020.
 6. As Chair of the Seminars and Conferences Committee for the academic year 2019/2020, was in charge of inviting speakers for weekly seminars and organizing curricular workshops and miscellaneous activities, such as a Pharmacy Journal Club, the “Image of Science” Competition, and “Molecule of the Week” series.
 7. Organized and administered a 2-day workshop entitled “Preparation and Characterization of Polymeric Nanoparticles for Drug Delivery”, to introduce undergraduate Pharmacy students to the basic techniques of nanoparticles preparation and characterization as they apply to drug delivery, Al-Zaytoonah University of Jordan, Amman, Jordan, July 2019.
 8. Organized a visit to Monojo Biotech Company, Amman, Jordan, for 25 fourth- and fifth-year Pharmacy students. During the visit, the students toured the company laboratories, and learned about the challenges of the biotech industry in Jordan, the history of the company, and possible career pathways in the biotech industry, March 2015.
 9. Organized a visit to Pharma International Company, Amman, Jordan, for 70 fifth-year Pharmacy students enrolled in the Pharmaceutical Technology course. During the visit, the students learned about the pharmaceutical industry in Jordan and the stages of product development by touring the Company’s Research and Development and Production Facilities, May 2014.

16. Publications

- **Papers in refereed journals** (*Corresponding author, †Co-first authors)
 1. **Sunoqrot, S.,** Abusulieh, S., Abusara, O.H. *Identifying Synergistic Combinations of Doxorubicin-Loaded Polyquercetin Nanoparticles and Natural Products: Implications for Breast Cancer Therapy.* International



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Journal of Pharmaceutics 2023, 645, 123392.

2. Sabbah, D. A., Hajjo, R., **Sunoqrot, S.** *A Critical Assessment of COVID-19 Genomic Vaccines.* Current Topics in Medicinal Chemistry 2023, Accepted.
3. Ismail, W.H., Abusara, O.H., Ikhmais, B., Abul-Futouh, H., **Sunoqrot, S.**, Ibrahim, A.I.M. *Design, Synthesis, and Biological Activity of Coniferyl Aldehyde Derivatives as Potential Anticancer and Antioxidant Agents.* Jordan Journal of Pharmaceutical Sciences 2023, 16(2), 368-380.
4. Salem, Y., Rajha, H.N., **Sunoqrot, S.**, Hammad, A.M., Castangia, I., Manconi, M., Manca, M.L., Al Lababidi, D., Touma, J.A., Maroun, R.G., Louka, N. *Exhausted Grape Seed Residues as a Valuable Source of Antioxidant Molecules for the Formulation of Biocompatible Cosmetic Scrubs.* Molecules 2023, 28(13), 5049.
5. Hammad, A.M., Alzaghari, L.F., Alfaraj, M., Al-Shawaf, L., **Sunoqrot, S.*** *Nanoassemblies from the Aqueous Extract of Roasted Coffee Beans Modulate the Behavioral and Molecular Effects of Smoking Withdrawal-Induced Anxiety in Female Rats.* Drug Delivery and Translational Research 2023, 13, 1967-1982.
6. **Sunoqrot, S.***, Alkurdi, M., Al Bawab, A.Q., Hammad, A.M., Tayyem, R., Abu Obeed, A., Abufara, M. *Encapsulation of Morin in Lipid core/PLGA Shell Nanoparticles Significantly Enhances its Anti-Inflammatory Activity and Oral Bioavailability.* Saudi Pharmaceutical Journal 2023, 31(6), 845-853.
7. Ibrahim, R., Kasabri, V., **Sunoqrot, S.**, Shalabi, D., Alkhateeb, R., Alhiari, Y. *Preparation and Characterization of Rutin-Encapsulated Polymeric Micelles and Studies of Synergism with Bioactive Benzoic Acids and Triazolofluoroquinolones as Anticancer Nanomedicines.* Asian Pacific Journal of Cancer Prevention 2023, 24(3), 977-989.
8. **Sunoqrot, S.***, Al-Bakri, A.G., Hasan Ibrahim, L., Aldaken, N. *Amphotericin B-Loaded Plant-Inspired Polyphenol Nanoparticles Enhance Its Antifungal Activity and Biocompatibility.* ACS Applied Bio Materials 2022, 5(11), 5156-5164.
9. Ibrahim, A.I., Abul-Futouh, H., Bourghli, L.M., Abu-Sini, M., **Sunoqrot, S.**, Ikhmais, B., Jha, V., Sarayrah, Q., Abulebdah, D.H., Ismail, W.H. *Design and Synthesis of Thionated Levofloxacin: Insights into a New Generation of Quinolones with Potential Therapeutic and Analytical Applications.* Current Issues in Molecular Biology 2022, 44(10), 4626-4638.
10. **Sunoqrot, S.***, Aliyeh, S., Abusulieh, S., Sabbah, D. *Vitamin E TPGS-Poloxamer Nanoparticles Entrapping a Novel PI3Ka Inhibitor Potentiate Its Activity against Breast Cancer Cell Lines.* Pharmaceutics 2022, 14(9), 1977.
11. Aboalhajja, N.H., Syaj, H., Afifi, F., **Sunoqrot, S.**, Al-Shalabi, E., Talib, W. *Chemical Evaluation, In Vitro and In Vivo Anticancer Activity of Lavandula angustifolia Grown in Jordan.* Molecules 2022, 27(18), 5910.



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12. Hammad, A.M., Al-Qerem, W., **Sunoqrot, S.**, Amawi, H., Arabyat, R.M., Ling, J., Robertshaw, C. *Pharmacy Students' Perceptions and Attitudes Towards Experiential Training in Jordan and United Kingdom*. Tropical Journal of Pharmaceutical Research 2022, 21(7), 1531-1541.
13. Al-Shalabi, E., Abusulieh, S., Hammad, A.M., **Sunoqrot, S.*** *Rhoifolin Loaded in PLGA Nanoparticles Alleviates Oxidative Stress and Inflammation In Vitro and In Vivo*. Biomaterials Science 2022, 10(19), 5504-5519.
14. **Sunoqrot, S.***, Niazi, M., Al-Natour, M.A., Jaber, M., Abu-Qatouseh, L. *Loading of Coal Tar in Polymeric Nanoparticles as a Potential Therapeutic Modality for Psoriasis*. ACS Omega 2022, 7(8), 7333–7340.
15. **Sunoqrot, S.***, Al-Hadid, A., Manasrah, A., Khnouf, R., Hasan Ibrahim, L. *Immobilization of Glucose Oxidase on Bioinspired Polyphenol Coatings as a High-Throughput Glucose Assay Platform*. RSC Advances 2021, 11, 39582-39592.
16. **Sunoqrot, S.***, Orainee, B. Alqudah, D.A., Daoud, F., Alshaer, W. *Curcumin-Tannic Acid-Poloxamer Nanoassemblies Enhance Curcumin's Uptake and Bioactivity against Cancer Cells In Vitro*. International Journal of Pharmaceutics 2021, 610, 121255.
17. Ata, S., Tarawneh, O., Sejare, R., **Sunoqrot, S.**, Al-Qirim, R. *Impact of Solvent Selection and Absorptivity on Dissolution Testing of Acetylsalicylic Acid Enteric-Coated Tablets*. Dissolution Technologies 2021, 28(2), 22-29.
18. **Sunoqrot, S.***, Al-Shalabi, E., Al-Bakri, A.G., Zalloum, H., Abu-Irmaileh, B., Hasan Ibrahim, L., Zeno, H. *Coffee Bean Polyphenols Can Form Biocompatible Template-free Antioxidant Nanoparticles with Various Sizes and Distinct Colors*. ACS Omega 2021, 6, 2767-2776.
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- **Conference presentations**

- *Invited talks*

- Mentioned under **Section 14: Professional and Scientific Meetings**.

- *Poster presentations*

1. **Sunoqrot, S.** *Green Synthesis of Polyphenol Nanoparticles as a Cancer-targeted Nanomedicine*. The 6th Nano Today Conference 2019, Lisbon, Portugal.
2. **Sunoqrot, S.** and Messersmith, P.B. *Bioinspired Nanoparticles from Quercetin as a Versatile Platform for Drug Delivery*. Bioinspired Materials Gordon Research Conference 2018, Les Diablerets, Switzerland.
3. **Sunoqrot, S.** and Hong, S. *A Multi-scale Hybrid Nanoparticle Platform for Targeted Drug Delivery to Cancer Cells*. The 15th Scientific Congress of the Jordanian Pharmacists Association 2014, Amman, Jordan.
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5. **Sunoqrot, S.**, Bae, J.W., Liu, Y., Kim, D.-H., and Hong, S. *The Janus-faced Biological Properties of Dendrimer-Polymer Hybrid Nanoparticles*. University of Illinois College of Pharmacy Research Day 2013, Chicago, IL, USA.
6. **Sunoqrot, S.**, Bae, J.W., Liu, Y., Kim, D.-H., and Hong, S. *The Janus-faced Biological Properties of Dendrimer-Polymer Hybrid Nanoparticles*. American Association of Pharmaceutical Scientists Annual Meeting 2012, Chicago, IL, USA.
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