

CURRICULUM VITAE

Suhair Ziad Abed Alhameed Sunogrot

Department of Pharmacy/Faculty of Pharmacy

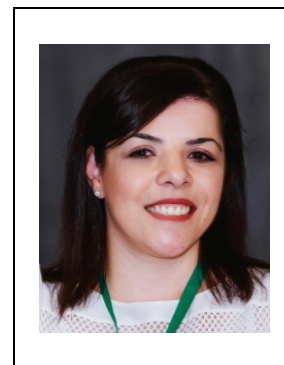
Al-Zaytoonah University of Jordan, Amman, Jordan

Phone: +96264291511 ext. 197

Fax: +96264291432

E-mail: suhair.sunogrot@zuj.edu.jo

Homepage: <http://www.zuj.edu.jo/portal/suhair-sunogrot/>



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

- Associate Professor, Department of Pharmacy, Al-Zaytoonah University of Jordan, Amman, Jordan
February, 2019 – Present
- Assistant Professor, Department of Pharmacy, Al-Zaytoonah University of Jordan, Amman, Jordan
February, 2014 – February, 2019
- Graduate Teaching and Research Assistant, Department of Biopharmaceutical Sciences, University of Illinois, Chicago, IL, USA



QF11/0110 - 3.0E

Curriculum Vitae Form - Procedures of Faculty Transfer and Promotion

August, 2008 – August, 2013

Administrative Positions

- None

5. Research Interests

- Drug delivery
- Nanomedicine
- Pharmaceuticals

6. Membership in Scientific Societies and Associations

- Arab-German Young Academy (AGYA) of Sciences and Humanities, Berlin, Germany
- Jordanian Pharmacists Association (JPA), Amman, Jordan
- International Society of Pharmaceutical Engineers (ISPE)
- Materials Research Society (MRS)
- American Association of Pharmaceutical Scientists (AAPS)
- AAPS-University of Illinois Student Chapter, Chicago, IL, USA
- Controlled Release Society (CRS)-IL Student Chapter, Chicago, IL, USA
- Controlled Release Society (CRS)

7. Honors and Awards

1. The 7th Arab-American Frontiers in Science, Engineering, and Medicine Symposium Travel Award (The US National Academy of Sciences, Washington, DC, USA).
2. TWAS Prize for Young Scientists from Jordan (The World Academy of Sciences (TWAS), Trieste, Italy).
3. The 5th Arab-American Frontiers in Science, Engineering, and Medicine Symposium Travel Award (The US National Academy of Sciences, Washington, DC, USA).
4. Charles Wesley Petranek Award (Department of Biopharmaceutical Sciences, College of Pharmacy, University of Illinois, Chicago, IL, USA).
5. Chancellor's Student Service and Leadership Award (Office of the Vice Chancellor for Student Affairs, University of Illinois, Chicago, IL, USA).
6. W.E. van Doren Award (Department of Biopharmaceutical Sciences, College of Pharmacy, University of Illinois, Chicago, IL, USA).
7. Graduate Student Council Travel Award (Graduate Student Council, University of Illinois, Chicago, IL, USA).
8. Provost and Deiss Award for Research (Graduate College, University of Illinois, Chicago, IL, USA).



QF11/0110 - 3.0E

Curriculum Vitae Form - Procedures of Faculty Transfer and Promotion

9. Graduate College Student Presenter Award (Graduate College, University of Illinois, Chicago, IL, USA).
10. Rho Chi Pharmacy Honor Society Inductee.
11. Hikma Pharmaceuticals Award for Academic Excellence (Hikma Pharmaceuticals, Amman, Jordan).

8. Fellowships and Scholarships

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

9. Teaching Experience

- **Graduate Courses**
 - Advanced Pharmaceutical Technology
 - Selected Topics in Pharmaceutics
- **Undergraduate Courses**
 - Clinical Biostatistics
 - Drug Delivery Systems
 - Pharmaceutics 1
 - Pharmaceutics 3
 - Pharmaceutics & Compounding Laboratory
 - Pharmaceutical Technology
 - Pharmaceutical Technology Laboratory
 - Professional Pharmacy Practice 1
 - Professional Pharmacy Practice 2

10. Supervision of Graduate Research

1. Samah Abu-Sleih, "Preparation and Characterization of Rhoifolin-Loaded Polymeric Nanoparticles as a Potential Natural Nanomedicine for Inflammation", 2020/2021.



QF11/0110 - 3.0E

Curriculum Vitae Form - Procedures of Faculty Transfer and Promotion

2. Mohammad Yasin, "Fabrication, Characterization, and Biological Evaluation of Coal Tar-Encapsulated Polymeric Nanoparticles for Psoriasis Treatment", 2020/2021.
3. Bayan Al-Arini, "Development and Evaluation of Curcumin-loaded Tannic Acid Nanoparticles as an Anti-cancer Nanomedicine", 2019/2020.
4. Muzn Alkhaldi, "Development of a Polymeric Nanoformulation for Cirsiliol Isolated from *Teucrium polium L.*", 2018/2019.
5. Tahany Aldebsi, "Synthesis and Evaluation of Curcumin-loaded Polyphenol Nanoparticles as a Potential Anti-cancer Nanomedicine", 2017/2018.
6. Lujain Abujamous, "Development of Quercetin-loaded Polymeric Nanoparticles for Targeted Delivery to Colon Cancer", 2017/2018.
7. Aya Alsadi, "Influence of Polymer Type and Its Molecular Weight on the Release of Quercetin from Polymeric Micelles", 2015/2016.
8. Reem Aljanabi, "The Effect of pH and Ionic Strength of the Dissolution Media on the Rate of Drug Release from Matrix Tablets", 2015/2016.
9. Marwa Basil, "Development and Optimization of Diclofenac Diethylamine Nanoemulsion-based Gel Formulation", 2014/2015.

11. Grants

1. Plant Polyphenols as Building Blocks for Novel Nano(bio)materials, 2020 – 2021, Arab-German Young Academy of Sciences and Humanities, Berlin, Germany, 18,979 €.
2. Toward Effective Solutions for Combatting COVID-19: An Interdisciplinary Approach, 2020 – 2021, Arab-German Young Academy of Sciences and Humanities, Berlin, Germany, 60,000 €.
3. 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, Full travel expenses covered.
4. Design and Development of an Enzyme-based Closed Loop System for Controlling Glycemia, 2019 – 2021, Deanship of Scientific Research and Graduate Studies, Al-Zaytoonah University of Jordan, Amman, Jordan, 28,382 JD.
5. Preparation and Evaluation of Melanin-Mimetic Polydopamine Nanoparticles for Transdermal Drug Delivery: Effect of Surface Chemistry, 2018 – 2020, Abdul Hameed Shoman Research Fund, Amman, Jordan, 19,500 JD.
6. Green Synthesis of Multifunctional Nanoparticles from Plant Polyphenols for Anti-cancer Drug Delivery, 2018 – 2019, UNESCO, Paris, France, 26,000 USD.
7. Synthesis and Biological Evaluation of Polyphenol Nanoparticles for Targeted Anti-cancer Drug Delivery, 2018 – 2019, Deanship of Scientific Research and Graduate Studies, Al-Zaytoonah University of Jordan, Amman, Jordan, 75,200 JD.



QF11/0110 - 3.0E

Curriculum Vitae Form - Procedures of Faculty Transfer and Promotion

8. 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.
9. 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 JD.
10. Design and Biological Evaluation of Flavonoid-encapsulated Polymeric Micelles as Potential Anti-cancer Nanomedicines, 2016 – 2018, Deanship of Academic Research, University of Jordan, Amman, Jordan, 13,300 JD.
11. 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 JD.

12. Patents

- None

13. Membership of Committees

- National and International

1. Judge, Regeneron International Science and Engineering Fair (ISEF), Ministry of Education, Amman, Jordan, 2020 – Present.
2. Member, Post-approval Changes (PAC) Committee, Jordan Food and Drug Administration, Amman, Jordan, 2014 – 2016.

- University

1. Member, Scientific Research Committee, Faculty of Pharmacy, 2019 – Present.
2. Member, University Council, Al-Zaytoonah University of Jordan, 2019 – 2020.
3. Chair, Seminars and Conferences Committee, Faculty of Pharmacy, 2019 – 2020.
4. Member, Curriculum and Learning Resources Committee, Faculty of Pharmacy, 2018 – Present.
5. Member, Steering Committee for Application for ACPE Certification, Faculty of Pharmacy, 2018 – Present.
6. Member, Instruments and Laboratory Affairs Committee, Faculty of Pharmacy, 2018 – Present.
7. Member, Quality Assurance Committee, Faculty of Pharmacy, 2017 – 2018.
8. Member, Scientific Research Committee, Faculty of Pharmacy, 2015 – 2016, 2017 – 2018.
9. Member, Seminars and Conferences Committee, Faculty of Pharmacy, 2015 – 2016.
10. Member, Competency Exam in Pharmacy Committee, Faculty of Pharmacy, 2015 – 2016.



QF11/0110 - 3.0E

Curriculum Vitae Form - Procedures of Faculty Transfer and Promotion

11. Member, Alumni Affairs Committee, Faculty of Pharmacy, 2014 – 2015.
12. Member, Computing and E-learning Committee, Faculty of Pharmacy, 2014 – 2015.

14. Professional and Scientific Meetings

- *Scientific meetings organized*

1. Bioinspired Nanomaterials Meeting, Glasgow, UK, 2019.
2. The 2nd Conference of the Faculty of Pharmacy, Al-Isra University, Amman, Jordan, 2017.
3. Al-Zaytoonah University of Jordan and The University of Toledo 5th International Pharmaceutical Conference (ZTIPC), Amman, Jordan, 2015.
4. The 1st International Conference of the Jordanian Faculties of Pharmacy, Al-Isra University, Amman, Jordan, 2015.
5. Controlled Release Society Student Chapter Annual Seminar Series, Chicago, IL, USA, 2009 – 2011.
6. Controlled Release Society Student Chapter Annual Symposium, Chicago, IL, USA, 2009 – 2011.

- *Participation in scientific meetings*

1. Al-Zaytoonah University of Jordan and The University of Toledo 7th International Pharmaceutical Conference (ZTIPC), Amman, Jordan, 2019.
2. The 6th Nano Today Conference, Lisbon, Portugal, 2019.
3. Bioinspired Nanomaterials Meeting, Glasgow, UK, 2019.
4. The 8th IUPAC International Conference on Green Chemistry, Bangkok, Thailand, 2018.
5. Bioinspired Materials Gordon Research Conference, Les Diablerets, Switzerland, 2018.



QF11/0110 - 3.0E

Curriculum Vitae Form - Procedures of Faculty Transfer and Promotion

6. Al-Zaytoonah University of Jordan and The University of Toledo 6th International Pharmaceutical Conference (ZTIPC), Amman, Jordan, 2017.
7. The 1st Conference of the Faculty of Pharmacy at Yarmouk University, Irbid, Jordan, 2017.
8. The 5th Arab-American Frontiers of Science, Engineering, and Medicine Symposium, Rabat, Morocco, 2017.
9. The 15th Scientific Congress of the Jordanian Pharmacists Association, Amman, Jordan, 2014.
10. American Chemical Society Annual Meeting, Indianapolis, IN, USA, 2013.
11. University of Illinois College of Pharmacy Research Day, Chicago, IL, USA, 2013.
12. American Association of Pharmaceutical Scientists Annual Meeting, Chicago, IL, USA, 2012.
13. Midwest Pharmaceutical Graduate Student Research Meeting, Omaha, NE, USA, 2012.
14. University of Illinois Cancer Center Research Forum, Chicago, IL, USA, 2012.
15. University of Illinois College of Pharmacy Research Day, Chicago, IL, USA, 2012.
16. American Association of Pharmaceutical Scientists Annual Meeting, Washington, DC, USA, 2011.
17. Chicago Biomedical Consortium Annual Symposium, Chicago, IL, USA, 2011.
18. Midwest Pharmaceutical Graduate Student Research Meeting, Madison, WI, USA, 2011.
19. University of Illinois College of Pharmacy Research Day, Chicago, IL, USA, 2011.
20. Materials Research Society Annual Meeting, Boston, MA, USA, 2010.
21. Midwest Pharmaceutics Graduate Students Research Meeting, Columbus, OH, USA, 2010.
22. University of Illinois Graduate Student Research Forum, Chicago, IL, USA, 2010.
23. University of Illinois College of Pharmacy Research Day, Chicago, IL, USA, 2010.

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

- ***Participation in curricular/extracurricular activities***
 1. Participant in “The XV School on Synchrotron Radiation “Gilberto Vlaic”: Fundamentals, Methods and Applications”, Muggia, Italy, September 2019.
 2. Editorial Board member, Bezmialem Science Journal, Bezmialem Vakif University, Turkey.
 3. Thesis examination committee member for Haitham Omran, Master of Science Student, Faculty of Pharmacy, Al-Zaytoonah University of Jordan, May 2019.



QF11/0110 - 3.0E

Curriculum Vitae Form - Procedures of Faculty Transfer and Promotion

4. Participant in “Educational Videos: Designing, Montaging, and Uploading to E-Learning Sites” workshop, Al-Zaytoonah University of Jordan, October 2018.
5. 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.
6. Thesis examination committee member for Ahmad Farhan, Master of Science Student, Faculty of Pharmacy, Al-Zaytoonah University of Jordan, April 2018.
7. Participant in “E-Learning Training” workshop, Al-Zaytoonah University of Jordan, October 2017.
8. Technical Consultant, Post-approval Changes Committee, Jordan Food and Drug Administration, June 2014 – August 2016.
9. Thesis examination committee member for Ali Jasim, Master of Science Student, Faculty of Pharmacy, Al-Zaytoonah University of Jordan, April 2015.
10. Thesis examination committee member for Areej Awadallah, Master of Science Student, Faculty of Pharmacy, Al-Zaytoonah University of Jordan, December 2014.
11. Peer reviewer for several journals such as Nanomedicine (Elsevier), Current Nanoscience (Bentham Science), and Jordan Journal of Pharmaceutical Sciences (University of Jordan), October 2014 – present.

- ***Organization of curricular/extracurricular activities***

1. Workshop entitled “Preparation and Characterization of Polymeric Nanoparticles for Drug Delivery”, Al-Zaytoonah University of Jordan, Amman, Jordan, July 2019.
 - Organized and administered a 2-day workshop to introduce undergraduate Pharmacy students to the basic techniques of nanoparticles preparation and characterization as they apply to drug delivery.
2. Visit to Monojo Biotech Company, Amman, Jordan, March 2015.
 - Contacted the company and organized the visit 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.
3. Visit to Pharma International Company, Amman, Jordan, May 2014.
 - I contacted the company and organized the visit 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.

16. Publications

- **Papers in refereed journals** (*Corresponding author, †Co-first authors)
 1. **Sunoqrot, S.***, Alfaraj, M., Hammad, A.M., Kasabri, V., Shalabi, D., Deeb, A.A., Hasan Ibrahim, L., Shnewer, K., and Yousef, I. *Development of a Thymoquinone Polymeric Anticancer Nanomedicine through Optimization of Polymer Molecular Weight and Nanoparticle Architecture*. *Pharmaceutics* 2020, 12(9), 811.
 2. **Sunoqrot, S.***, Al-Shalabi, E., Sabbah, D, Al-Majawleh, M., and Abusara, O.H. *Remote Teaching and Learning in a Pandemic: Reflections from Chemistry Instructors at a Pharmacy School in Jordan*. *Journal of Chemical Education* 2020, 97(9), 3129-3134.
 3. **Sunoqrot, S.***, Mahmoud, N. N., Hasan Ibrahim, L., Al-Dabash, S., Raschke, H., and Hergenröder, R. *Tuning the Surface Chemistry of Melanin-Mimetic Polydopamine Nanoparticles Drastically Enhances their Accumulation into Excised Human Skin*. *ACS Biomaterials Science & Engineering* 2020, 6(8), 4424-4432.
 4. Al-Shalabi, E.* , Alkhaldi, M., and **Sunoqrot, S.*** *Development and Evaluation of Polymeric Nanocapsules for Cirsiliol Isolated from Jordanian Teucrium polium L. as a Potential Anticancer Nanomedicine*. *Journal of Drug Delivery Science and Technology*, 56A, 2020, 101544.
 5. **Sunoqrot, S.***, Al-Debsi, T., Al-Shalabi, E., Hasan Ibrahim, L., Faruqu, F.N., Walters, A., Palgrave, R., and Al-Jamal K.T. *Bioinspired Polymerization of Quercetin to Produce a Curcumin Nanomedicine with Potent Cytotoxicity and Cancer Targeting Potential In Vivo*. *ACS Biomaterials Science & Engineering*, 5(11), 2019, 6036-6045.
 6. **Sunoqrot, S.***, Al-Shalabi, E., Hasan Ibrahim, L., and Zalloum, H. *Nature-inspired Polymerization of Quercetin to Produce Anti-oxidant Nanoparticles with Controlled Size and Skin Tone Matching Colors*. *Molecules*, 24(21), 2019, 3815.
 7. Tarawneh, O., Al-Assi, A.R., Hamed, R., **Sunoqrot, S.**, Hasan, L., and Al-Sheikh, I. *Development and Characterization of k-Carrageenan Platforms as Periodontal Intra-pocket Films*. *Tropical Journal of Pharmaceutical Research*, 18(9), 2019, 1791-1798.
 8. **Sunoqrot, S.*** and Abujamous, L. *pH-sensitive Polymeric Nanoparticles of Quercetin as a Potential Colon Cancer-targeted Nanomedicine*. *Journal of Drug Delivery Science and Technology*, 52, 2019, 670-676.
 9. Tarawneh, O., Madi, A., Hamed, R., Qirem, R., Qerem, W., Alhusban, A.A., **Sunoqrot, S.**, Mahmoud, N.N., Ata, S., and Isheikh, I. *In vitro Characterization and Evaluation of Commercialized Paracetamol Products in Jordan*. *Dissolution Technologies*, 26(1), 2019, 36-44.



QF11/0110 - 3.0E

Curriculum Vitae Form - Procedures of Faculty Transfer and Promotion

10. **Sunoqrot, S.***, Al-Shalabi, E., and Messersmith, P.B. *Facile Synthesis and Surface Modification of Bioinspired Nanoparticles from Quercetin for Drug Delivery*. Biomaterials Science, 6, 2018, 2656-2666.
11. **Sunoqrot, S.***, Alsadi, A., Tarawneh, O., and Hamed, R. *Polymer Type and Molecular Weight Dictate the Encapsulation Efficiency and Release of Quercetin from Polymeric Micelles*. Colloid and Polymer Science, 295(10), 2017, 2051-2059.
12. **Sunoqrot, S.***, Hassan, L., Alsadi, A., Hamed, R., and Tarawneh, O. *Interactions of Mussel-Inspired Polymeric Nanoparticles with Gastric Mucin: Implications for Gastro-retentive Drug Delivery*. Colloids and Surfaces B: Biointerfaces, 156, 2017, 1-8.
13. Hamed, R., Al-Janabi, R., **Sunoqrot, S.**, and Abbas, A. *The Effect of pH, Buffer Capacity, and Ionic Strength on Quetiapine Fumarate Release from Matrix Tablets Prepared Using Two Different Polymeric Blends*. Drug Development and Industrial Pharmacy, 43(8), 2017, 1330-1342.
14. **Sunoqrot, S.***, Hamed, R., Abdel-Halim, H., and Tarawneh, O. *Synergistic Interplay of Medicinal Chemistry and Formulation Strategies in Nanotechnology – From Drug Discovery to Nanocarrier Design and Development*. Current Topics in Medicinal Chemistry, 17(13), 2017, 1451-1468.
15. Hamed, R., Al-Samydai, A., Al Baraghthi, T., Tarawneh, O., and **Sunoqrot, S.** *Influence of HPMC K100LV and Compritol® HD5 ATO on Drug Release and Rheological Behavior of HPMC K4M Matrix Tablets*. Journal of Pharmaceutical Innovation, 12(1), 2017, 62-75.
16. Hamed, R., Al Baraghthi, T., and **Sunoqrot, S.** *Correlation between the Viscoelastic Properties of the Gel Layer of Swollen HPMC Matrix Tablets and their In Vitro Drug Release*. Pharmaceutical Development and Technology, 23(9), 2016, 838-848.
17. Hamed, R., Basil, M., Al Baraghthi, T., **Sunoqrot, S.**, and Tarawneh, O. *Nanoemulsion-Based Gel Formulation of Diclofenac Diethylamine: Design, Optimization, Rheological Behavior and In Vitro Diffusion Studies*. Pharmaceutical Development and Technology, 21(8), 2016, 980-989.
18. Hamed, R., Awadallah, A., **Sunoqrot, S.**, Tarawneh, O., Nazzal, S., Al Baraghthi, T., Al Sayyad, J., and Abbas, A. *pH-Dependent Solubility and Dissolution Behavior of Carvedilol – Case Example of A Weakly Basic BCS Class II Drug*. AAPS PharmSciTech, 17(2), 2016, 418-426.
19. Gao, W., Kim, J.Y., Anderson, J.R., Akopian, T., Hong, S., Jin, Y.-Y., Kandror, O., Kim, J.-W., Lee, I.-A., Lee, S.-Y., McAlpine, J.B., Mulugeta, S., **Sunoqrot, S.**, Wang, Y., Yang, S.-H., Yoon, T.-M., Goldberg, A.L., Pauli, G.F., Suh, J.W., Franzblau, S.G., and Cho, S. *The Cyclic Peptide Ecumicin Targeting ClpC1 is Active against Mycobacterium Tuberculosis In Vivo*. Antimicrobial Agents and Chemotherapy, 59(2), 2015, 880-889.
20. **Sunoqrot, S.**, Bugno, J., Lantvit, D.D., Burdette, J.E., and Hong, S. *Prolonged Blood Circulation and Enhanced Tumor Accumulation of Folate-Targeted Dendrimer-Polymer Hybrid Nanoparticles*. Journal of Controlled Release, 191, 2014, 115-122.

21. Modi, D.A.[†], **Sunoqrot, S.[†]**, Bugno, J., Lantvit, D.D., Hong, S., and Burdette, J.E. *Targeting of Follicle Stimulating Hormone Peptide-Conjugated Dendrimers to Ovarian Cancer Cells*. *Nanoscale*, 6, 2014, 2812-2820.
22. Turturro, S.[†], **Sunoqrot, S.[†]**, Ying, H.[†], Hong, S., and Yue, B. *Sustained Release of Matrix Metalloproteinase-3 to Trabecular Meshwork Cells using Biodegradable PLGA Microparticles*. *Molecular Pharmaceutics*, 10(8), 2013, 3023-3032.
23. **Sunoqrot, S.**, Liu, Y., Kim, D.H., and Hong, S. *In Vitro Evaluation of Dendrimer-Polymer Hybrid Nanoparticles on their Controlled Cellular Targeting Kinetics*. *Molecular Pharmaceutics*, 10(6), 2013, 2157-2166.
24. Gonzalez, L.[†], Loza, R.J.[†], Han, K.-Y., **Sunoqrot, S.**, Cunningham, C., Purta, P., Drake, J., Jain, S., Hong, S., and Chang, J.-H. *Nanotechnology in Corneal Neovascularization Therapy – A Review*. *Journal of Ocular Pharmacology and Therapeutics*, 29(2), 2013, 124-134.
25. Pearson, R.M., **Sunoqrot, S.**, Hsu, H.-J., Bae, J.W., and Hong, S. *Dendritic Nanoparticles: The Next Generation of Nanocarriers?* *Therapeutic Delivery*, 3(8), 2012, 941-959.
26. Yang, Y., **Sunoqrot, S.**, Stowell, C., Ji, J., Lee, C.-W., Kim, J.W., Khan, S.A., and Hong, S. *The Effect of Size, Surface Charge and Hydrophobicity of Poly(amidoamine) Dendrimers on their Skin Penetration*. *Biomacromolecules*, 13(7), 2012, 2154-2162.
27. **Sunoqrot, S.**, Bae, J.W., Pearson, R.M., Shyu, K., Liu, Y., Kim, D.H., and Hong, S. *Temporal Control over Cellular Targeting through Hybridization of Folate-targeted Dendrimers and PEG-PLA Nanoparticles*. *Biomacromolecules*, 13(4), 2012, 1223-1230.
28. Bae, J.W.[†], Pearson, R.M.[†], Patra, N., **Sunoqrot, S.**, Vukovic, L., Král, P. and Hong, S. *Dendron-mediated Self-assembly of Highly PEGylated Block Copolymers: A Modular Nanocarrier Platform*. *Chemical Communications*, 47(37), 2011, 10302-10304.
29. **Sunoqrot, S.**, Bae, J.W., Jin, S.-E., Pearson, R.M., Liu, Y. and Hong, S. *Kinetically Controlled Cellular Interactions of Novel Polymer-Polymer and Polymer-Liposome Nanohybrid Systems*. *Bioconjugate Chemistry*, 22(3), 2011, 466-474.

- **Conference presentations**

- **Invited talks**

1. "Plant Polyphenols as a Source of Nanomaterials for Biomedical Applications". **Royal Scientific Society R&D Meeting 2020**, Amman, Jordan.
2. "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) 2019**, Amman, Jordan.



QF11/0110 - 3.0E

Curriculum Vitae Form - Procedures of Faculty Transfer and Promotion

3. "Plant Polyphenols as a Renewable Source of Drug Delivery Nanocarriers: The Story of Quercetin". **Bioinspired Nanomaterials Meeting 2019**, Glasgow, UK.
4. "Green Synthesis of Multifunctional Nanoparticles from the Plant Polyphenol Quercetin for Drug Delivery". The 8th IUPAC International Conference on Green Chemistry 2018, Bangkok, Thailand.
5. "Bioinspired Nanoparticles from Quercetin as Prospective Drug Delivery Nanocarriers". Al-Zaytoonah University of Jordan and the University of Toledo 6th International Pharmaceutical Conference (ZTIPC) 2017, Amman, Jordan.
6. "Mussel-inspired Polymeric Nanoparticles as Prospective Platforms for Gastro-retentive Drug Delivery". The 1st Conference of the Faculty of Pharmacy at Yarmouk University 2017, Irbid, Jordan.
7. "Novel Polyphenol Nanoparticles for Targeted Anti-cancer Drug Delivery". The 5th Arab-American Frontiers of Science, Engineering, and Medicine Symposium 2017, Rabat, Morocco.

- **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.
4. **Sunoqrot, S.**, Bae, J.W., Liu, Y., Kim, D.-H., and Hong, S. *In Vitro Evaluation of Dendrimer-Polymer Hybrid Nanoparticles on their Controlled Cellular Targeting Kinetics*. American Chemical Society Annual Meeting 2013, Indianapolis, IN, USA.
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.
7. **Sunoqrot, S.**, Bae, J.W., Pearson, R.M., Shyu, K., and Hong, S. *Hybrid Nanoparticles of Folate-targeted Dendrimers and PEG-PLA for Controlled Cellular Targeting*. Midwest Pharmaceutical Graduate Student Research Meeting 2012, Omaha, NE, USA.



QF11/0110 - 3.0E

Curriculum Vitae Form - Procedures of Faculty Transfer and Promotion

8. **Sunoqrot, S.**, Bae, J.W., Pearson, R.M., Shyu, K., Liu, Y., and Hong, S. *Novel Hybrid Nanoparticles Folate-targeted Dendrimers and PEG-PLA Nanoparticles for Temporal Control over Targeting*. University of Illinois Cancer Center Research Forum 2012, Chicago, IL, USA.
9. **Sunoqrot, S.**, Bae, J.W., Pearson, R.M., Shyu, K., Liu, Y., and Hong, S. *Novel Hybrid Nanoparticles Folate-targeted Dendrimers and PEG-PLA Nanoparticles for Temporal Control over Targeting*. University of Illinois College of Pharmacy Research Day 2012, Chicago, IL, USA.
10. **Sunoqrot, S.**, Bae, J.W., Pearson, R.M., Shyu, K., Liu, Y., and Hong, S. *Novel Hybrid Nanoparticles Folate-targeted Dendrimers and PEG-PLA Nanoparticles for Temporal Control over Targeting*. American Association of Pharmaceutical Scientists Annual Meeting 2011, Washington, DC, USA.
11. **Sunoqrot, S.**, Bae, J.W., Jin, S.-E., Pearson, R.M., Liu, Y., and Hong, S. *Kinetically Controlled Cellular Interactions of Novel Polymer-Polymer and Polymer-Liposome Nanohybrid Systems*. Chicago Biomedical Consortium Annual Symposium 2011, Chicago, IL, USA.
12. **Sunoqrot, S.**, Bae, J.W., Jin, S.-E., Pearson, R.M., Liu, Y. and Hong, S. *Kinetically Controlled Cellular Interactions of Novel Polymer-Polymer and Polymer-Liposome Nanohybrid Systems*. Midwest Pharmaceutical Graduate Student Research Meeting 2011, Madison, WI, USA.
13. **Sunoqrot, S.**, Bae, J.W., Jin, S.-E., Pearson, R.M., Liu, Y. and Hong, S. *Kinetically Controlled Cellular Interactions of Novel Polymer-Polymer and Polymer-Liposome Nanohybrid Systems*. University of Illinois College of Pharmacy Research Day 2011, Chicago, IL, USA.
14. **Sunoqrot, S.**, Bae, J.W., Jin, S.-E., Pearson, R.M., Liu, Y. and Hong, S. *Polymer-Polymer and Polymer-Liposome Nanohybrid Systems with Kinetically Controlled Cellular Interactions*. Materials Research Society Annual Meeting 2010, Boston, MA, USA.
15. **Sunoqrot, S.**, Jin, S.-E., Bae, J.W., Liu, Y. and Hong, S. *Novel Polymer-Polymer and Polymer-Liposome Nanohybrid Systems as Potential Targeted Delivery Vehicles*. Midwest Pharmaceutics Graduate Students Research Meeting 2010, Columbus, OH, USA.
16. **Sunoqrot, S.**, Jin, S.-E., Bae, J.W., Liu, Y. and Hong, S. *Novel Polymer-Polymer and Polymer-Liposome Nanohybrid Systems as Potential Targeted Delivery Vehicles*. University of Illinois Graduate Student Research Forum 2010, Chicago, IL, USA.
17. **Sunoqrot, S.**, Jin, S.-E., Bae, J.W., Liu, Y. and Hong, S. *Novel Polymer-Polymer and Polymer-Liposome Nanohybrid Systems as Potential Targeted Delivery Vehicles*. University of Illinois College of Pharmacy Research Day 2010, Chicago, IL, USA.