

Date 25th of February/2024

DR. SAMAA TAHA ABDULLAH



PERSONAL INFORMATION

Title: Dr. Samaa Taha Abdullah

Academic Rank: Assistant Professor

Date & Place of Birth: 17/10/1991-Riyadh, Saudi Arabia

Nationality: Jordanian

Address: Amman/Jordan

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ACADEMIC QUALIFICATIONS

Degree	Major	Duration (From-To)	University	Country
Higher Diploma	Higher Education Teaching Certificate	2023-2024	Harvard University	USA
PhD	Biology-Genetics, Immunology and Pharmaceutical Innovation	2019-2022	King Abdulaziz University	Saudi Arabia

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MSc	Pharmaceutical Sciences (Pharmaceutics)	2014-2016	The University of Jordan	Jordan
BSc	Pharmacy	2009-2014	The University of Jordan	Jordan

TEACHING EXPERIENCE

Duration	Rank	Institution	Department/Faculty	Country
2024	Assistant professor	Amman Arab University	College of Pharmacy	Jordan
2023-2024	(Clinical Assistant Professor) Full-time Lecturer and Research Scientist	Princess Nourah bint Abdulrahman University	Health Sciences Research Center/ Faculty of Pharmacy	Saudi Arabia
2022-2023	Post-doctoral researcher	King Abdulaziz University	Center of Excellence in Drug Research and Pharmaceutical Industry, Faculty of Pharmacy	Saudi Arabia
2019-2022	Post-graduate researcher	King Abdulaziz University	Center of Excellence in Drug Research and Pharmaceutical Industry, Faculty of Pharmacy	Saudi Arabia
2014-2018	Lecturer and Research associate	The University of Jordan	School of Pharmacy	Jordan

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2013-2014	Volunteer Research Student	The University of Jordan	School of Pharmacy	Jordan
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OTHER EXPERIENCE

Duration	Rank	Institution	Department/Faculty	Country
2023-2024	(Clinical Assistant Professor) Research Scientist	Princess Nourah bint Abdulrahman University	Health Sciences Research Center/ Faculty of Pharmacy	Saudi Arabia
2022-2023	Post-doctoral researcher	King Abdulaziz University	Center of Excellence in Drug Research and Pharmaceutical Industry, Faculty of Pharmacy	Saudi Arabia
2019-2022	Post-graduate researcher	King Abdulaziz University	Center of Excellence in Drug Research and Pharmaceutical Industry, Faculty of Pharmacy	Saudi Arabia
2014-2018	Research Associate	The University of Jordan	School of Pharmacy	Jordan
2013-2014	Volunteer Research Student	The University of Jordan	School of Pharmacy	Jordan

PATENTS

1. “Antidepressant-protein complex encapsulated in bio-adhesive polymeric nano micelles for dissolution and penetration enhancement after oral administration” (07/2023)

Saudi Authority for Intellectual Property (SAIP)-Application Number 123450093

Assignee: Princess Nourah bint Abdulrahman University

Inventors: Samaa Abdullah, Shadab MD, Nabil Alhakamy, Hadil Alahdal, Abeer A. Altamimi

2. Process Claims of “In-situ gelling long-acting resveratrol nanocomposite film as pH-selective and mucoadhesive intestinal-colonic drug delivery system” (05/2022)

United States Patent and Trademark Office (USPTO)- US 11,318,090 B1

Assignee: King Abdulaziz University

Inventors: Shadab MD, Samaa Abdullah, Nabil Alhakamy

3. Product Claims of “Oral Administration of 5-FU in a gelling nanosuspension for targeted delivery to treat colon cancer” (04/2022)

United States Patent and Trademark Office (USPTO)-US 11,285,104 B1

Assignee: King Abdulaziz University

Inventors: Alia Aldahlawi, Sahar El-Hadad, Samaa Abdullah

4. Product Claims of “In situ gelling composition as a pH-selective and mucoadhesive sustained release drug delivery system” (03/2022)

United States Patent and Trademark Office (USPTO)-US 11,260,025 B1

Assignee: King Abdulaziz University

Inventors: Shadab MD, Samaa Abdullah, Nabil Alhakamy

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5. Process Claims of “Oral Administration of 5-FU in a gelling nanosuspension for targeted delivery to treat colon cancer” (07/2021)

United States Patent and Trademark Office (USPTO)-US 11,058,635 B1

Assignee: King Abdulaziz University

Inventors: Alia Aldahlawi, Sahar El-Hadad, Samaa Abdullah

PUBLICATIONS (GOOGLE SCHOLAR NAME “SAMAA ABDULLAH”)

JOURNALS

<https://scholar.google.com/citations?user=LjutnjKAAAAJ&hl=en>

<https://orcid.org/0000-0001-5245-6489>

CONFERENCES (GOOGLE SCHOLAR NAME “SAMAA ABDULLAH”)

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<https://orcid.org/0000-0001-5245-6489>

BOOKS (GOOGLE SCHOLAR NAME “SAMAA ABDULLAH”)

<https://scholar.google.com/citations?user=LjutnjKAAAAJ&hl=en>

<https://orcid.org/0000-0001-5245-6489>

MEMBERSHIPS OF SCIENTIFIC AND PROFESSIONAL SOCIETIES

- **Clinical Assistant Professor** at Health Sciences Research Center, Princess Nourah bint Abdulrahman University
- **Research Bioethics Certificate**, National Committee of Bioethics (NCBE), King Abdulaziz City for Science and Technology (KACST), Saudi Arabia (05/2023)
- Saudi Association of Pharmaceutical Industry
- Jordanian Pharmaceutical Association.

UNIVERSITY COMMITTEES

- Academic Technology Transfer to the Industry Committee vice head, Amman Arab University, Amman, Jordan (2024-now).
- Creativity, Innovation & Entrepreneurship Center Council member, Amman Arab University, Amman, Jordan (2024-now).
- College Council Chancellor, College of Pharmacy, Amman Arab University, Amman, Jordan (2024-now).
- Qualifications Design Committee head, College of Pharmacy, Amman Arab University, Amman, Jordan (2024-now).
- Graduate Studies Committee member, College of Pharmacy, Amman Arab University, Amman, Jordan (2024-now).
- Strategic Planning Committee member, College of Pharmacy, Amman Arab University, Amman, Jordan (2024-now).
- Scientific Research Committee member, College of Pharmacy, Amman Arab University, Amman, Jordan (2024-now).
- Accreditation Council for Pharmacy Education (ACPE), College of Pharmacy, Amman Arab University, Amman, Jordan (2024).

TAUGHT COURSES

- Good Pharmacovigilance Operations,
- Immunology and Tumor Immunology,
- Gene Therapy,
- Genetics and Genetic Engineering,
- Research and Innovation in Health,
- Pharmaceutical Industry,
- Physical Pharmacy,
- Drug Delivery Systems,

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- Pharmacokinetics and Biopharmaceutics,
- Pharmaceutical Biotechnology,
- Pharmaceutical Microbiology,
- Molecular Biology,
- Biochemistry

WORKSHOPS ATTENDED

- **Higher Education Innovation and Growth (HEIG)-Sustainable Agri-Food Security Cluster Launch**, iPark Academy, The University of Jordan, Amman, Jordan (06/2024).
- Amman Arab University Hakathon, **Creativity, Innovation & Entrepreneurship Center**, Amman Arab University (06/2024).
- **Higher Education Innovation and Growth (HEIG) Program workshop**, Ministry of Higher Education and Scientific Research, Amman, Jordan (03/2024).
- **Meta-Course and MS-teams**, Academic Development and Quality Assurance Center, Amman Arab University, Amman, Jordan (03/2024).
- **Approaches to use the pre-recorded E-learning lectures**, Academic Development and Quality Assurance Center, Amman Arab University, Amman, Jordan (03/2024).
- **Requirements of producing the synchronized courses**, Academic Development and Quality Assurance Center, Amman Arab University, Amman, Jordan (03/2024).
- **Taylor and Francis Publishing Services**, Academic Development and Quality Assurance Center, Amman Arab University, Amman, Jordan (03/2024).
- **Intellectual Property and Patent Registration**, Academic Development and Quality Assurance Center, Amman Arab University, Amman, Jordan (03/2024).
- **Higher Education Innovation and Growth (HEIG) Program**, Ministry of Higher Education and Scientific Research, Amman, Jordan (03/2024).
- Several workshops about **Cancer Chemotherapy and Personalized Medicine** at King Faisal Hospital and Research Center, Riyadh, Saudi Arabia (2022-2024).
- **Boot-Camp Data Analysis** Workshop, King Saud University, Riyadh, Saudi Arabia (2022).
- **Learning Methodology, Tools and Technology for Academic Practice**, The University of Jordan, Jordan (2022).
- **Molecular Biology and Epigenetics**, King Abdullah University for Science and Technology, Thuwal, Saudi Arabia (2020).
- **Certificate of PCR and Biotechnology Tools Practice**, King Fahad Medical Research Center, Jeddah, Saudi Arabia (03/2019)
- **Data-analysis**, Udacity, USA (2018).

WORKSHOPS OFFERED

- **Patents and Intellectual Property for academic members**, Creativity, Innovation & Entrepreneurship Center, Amman Arab University, 28/4/2024
- **Innovative Ideas and Intellectual Property for students**, Creativity, Innovation & Entrepreneurship Center, Amman Arab University, 17/4/2024

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- **The Path for Getting the Saudi Association For Health Specialists-Pharmacy**, Amman Arab University, 30/4/2024
- **Genetic Engineering workshop**, Amman Arab University, 15/4/2024
- Speaker at the 4th Nursing Research Day on 31/May/2023 under the title of “**The Path of Innovation in the Health System and Its Conversion to an Application**” at the **Health Sciences Research Center, Princess Nourah bint Abdulrahman University, Riyadh, Saudi Arabia.**
- Lecturer of the pharmaceutical industry, microbiology, and biochemistry courses.
- Speaker of different lectures and workshops about **Genetic engineering, Molecular biology, Immunology, Cancer Immunology, Biochemistry, and Pharmaceutical Technology** since 21/March/2023 at **Health Sciences Research Center, Princess Nourah bint Abdulrahman University, Riyadh, Saudi Arabia.**
- Speaker of “**Novel sustained-release oral nanosuspensions for colon cancer treatment**” lecture on October/2021 at **King Fahad Medical Research Centre (KFMRC), King Abdulaziz University, Jeddah, Saudi Arabia.**
- Speaker of “**Novel sustained-release oral targeted formulation for colon cancer treatment**” lecture on October/2021 at **9th CANCER RESEARCH AND THERAPY, Innovinc International, Osaka, Japan.**
- Speaker of “**Novel ambroxol sustained-release oral suspensions based on drug-polymeric complexation and polymeric raft formation as a potential COVID-19 treatment alternative**” lecture in October/2020, Secured the **FIRST POSITION** in the oral presentation at the international webinar of “**Recent Advancement in Miniaturized Drug Delivery System**” at **International Medical University, Kuala Lumpur, Malaysia.**

RESEARCH INTERESTS

- Pharmaceutical Innovation
- Novel Drug Delivery
- Pharmaceutical Industry Solutions
- Targeted Therapy
- Nanomedicine
- Oral drug delivery systems
- Inhalable drug delivery systems
- Topical drug delivery systems

LANGUAGES

- English – Certified 2nd language (IELTS and TOEFL).
- Arabic.

AWARDS RECEIVED

- **Young Researcher in Pharmaceutics**, Award Winner in Pharmacy Discipline, **the 7th Venus International Healthcare Awards (VIHA 2024)**.
- **Reviewer at (for further details check <https://orcid.org/0000-0001-5245-6489>)**
 - Journal of Biological Macromolecules, Elsevier (Q1),
 - International Journal of Nanomedicine, Dovepress (Q1),
 - Journal of Drug Delivery Science and Technology, Elsevier (Q1),
 - Asian Journal of Pharmaceutical Sciences, Elsevier (Q1),
 - European Journal of Pharmaceutics and Biopharmaceutics, Elsevier (Q1),
 - International Journal of Pharmaceutics, Elsevier (Q1),
 - Food Hydrocolloids, Elsevier (Q1),
 - The ACS Nanocomposites Journal (Q1),
 - Gels, MDPI (Q1)
 - Heliyon, Cell Press (Q1),
 - Open Chemistry (Q2),
 - Cellulose, Springer (Q2),
 - Journal of King Saud University, Elsevier (Q2),
 - Journal of Polymers, Wiley (Q2).
 - Spandidos publications (Q2),
 - Journal of Surgical Oncology (Q2),
 - Polymers and polymer composites, Sage publications (Q3),
 - Jordan Journal of Pharmaceutical Sciences (Q3).
- Top of honor student, PhD (2022).
- King Abdulaziz Knowledge and Economy Transfer Center award for PhD. research and patent registration (2021).
- First place presentation in “Recent Advancement in Miniaturized Drug Delivery System” at International Medical University, Kuala Lumpur, Malaysia (2020).
- 2nd place winner in the "Falling Walls", Jeddah (2017).

GRADUATE STUDENTS' SUPERVISION

- (2014 to 2016): Supervising two trainees, at the University of Jordan.
- (2021 to 2023): Supervised two master students, at the Faculty of Pharmacy, King Abdulaziz University.
- (2023 to 2024): Supervising two students, at the Faculty of Pharmacy, Princess Nourah bint Abdulrahman University.
- (3/2023 to 9/2023): Supervising one trainee, King Abdulaziz City for Science and Technology (KACST).
- (10/2023 to 6/2024): Supervising nine students, College of Pharmacy, Amman Arab University.
- (2/2024 to 6/2024): Supervising three students, Creativity, Innovation & Entrepreneurship Center, Amman Arab University.
- (6/2024 to now): Supervising four master students, College of Pharmacy, Amman Arab University.
- (6/2024 to now): Supervised two master students, at the department of chemistry, Faculty of Sciences, King Abdulaziz University.
- (07/2024 to now): Supervising three students, College of Pharmacy, Amman Arab University.
- (07/2024 to now): Supervising eight students for Global Solutions Sustainability Challenge-IREX, College of Pharmacy, Amman Arab University.
- (10/2024 to now): Supervising two students, at the Faculty of Pharmacy, Princess Nourah bint Abdulrahman University.

FELLOWSHIPS AND SCHOLARSHIPS

- Ministry of Higher Education postgraduate grant for the master's degree research funding, Amman, Jordan.
- Ministry of Higher Education PhD excellence scholarship, Jeddah, Saudi Arabia.
- The Deanship of Scientific Research (DSR) at King Abdulaziz University, Jeddah, under grant no. (RG-12-166-42).
- The Deanship of Scientific Research (DSR) at King Abdulaziz University, Jeddah, Saudi Arabia, under grant No. (RG-6-166-42).
- The Deanship of Scientific Research (DSR) at King Abdulaziz University, Jeddah, Saudi Arabia, under grant no. (KEP-24-166-42).
- The Deanship of Scientific Research (DSR) at King Abdulaziz University, Jeddah, Saudi Arabia, under grant no. (RG-21-166-43).

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- The Deanship of Scientific Research (DSR) at King Abdulaziz University, Jeddah, under grant No. (RG-12-166-38).
- The Deputyship for Research & Innovation, Ministry of Education in Saudi Arabia for funding this research work through the project number IFPRC-151-166-2020 and King Abdulaziz University, DSR, Jeddah, Saudi Arabia.
- Postdoctoral fellowship in the Faculty of Pharmacy, King Abdulaziz University, Saudi Arabia.
- A research work was funded by Institutional Fund Projects under grant no. (IFPIP-804-140-1443).

REFERENCES

- Professor Enam Khalil (ekayoub@ju.edu.jo), Department of Pharmaceutics, School of Pharmacy, The University of Jordan, Amman, Jordan.
- Professor Dina Alsabawi (d.sabawi@ju.edu.jo), Department of Pharmaceutics, School of Pharmacy, The University of Jordan, Amman, Jordan.
- Professor Alia Aldahlawi (aaldahlawi@kau.edu.sa), Biological Sciences Department, Faculty of Sciences, King Abdulaziz University, Jeddah, Saudi Arabia.
- Dr. Nabil Alhakamy (nalhakamy@kau.edu.sa), Department of Pharmaceutics, Faculty of Pharmacy, King Abdulaziz University, Jeddah, Saudi Arabia.
- Dr. Shadab MD (shaque@kau.edu.sa), Department of Pharmaceutics, Faculty of Pharmacy, King Abdulaziz University, Jeddah, Saudi Arabia.
- Dr. Najla Al-Twajjry (naaltwajjry@pnu.edu.sa), Faculty of Pharmacy, Princess Nourah bint Abdulrahman University, Riyadh, Saudi Arabia.
- Dr. Alaa AL-Masud (aaalmasud@pnu.edu.sa), Natural and Health Sciences Research Center, Princess Nourah bint Abdulrahman University, Riyadh, Saudi Arabia.