

Date: 14.04.2025

CURRICULUM VITAE



PERSONAL INFORMATION

Faculty Member Name: **Dr. Samaa Taha Abdullah**

Academic Rank: Assistant Professor

College: Pharmacy

Department: Pharmacy

Nationality: Jordanian

Address: Amman, Jordan

Phone No: **00962785708352**

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ACADEMIC QUALIFICATIONS

*Higher Education Teaching Certificate, Harvard University, Cambridge, Massachusetts, USA
(Received on 11/2023).

*Certificate of Academic Practice, Ministry of Higher Education and Scientific Research, Amman,
Jordan (Received on 10/2022).

*PhD in Pharmaceutical Biotechnology (01/2019-03/2022), King Abdulaziz University, Jeddah,
Saudi Arabia (5 out of 5 points "Excellent/ Top of Honor Student"), ECA report was generated.

*M.Sc. in Pharmaceutics and Drug Delivery, (09/2014-06/2016), The University of Jordan,
Amman, Jordan (3.72 out of 4 points "Excellent/ Top 5%").

*B.Sc. in Pharmacy, (09/2009-06/2014), The University of Jordan, Amman, Jordan (3.82 out of
4 points "Excellent/ Top 2%").

Dissertation title: "Molecular Impacts of Innovative Oral Targeted 5-Fluorouracil Nano Formulas
Against Colon Cancer".

ACADEMIC EXPERIENCE

*College of Pharmacy, Amman Arab University, Amman, Jordan

Designations:

Assistant Professor Since 25/February/2024 (Full-time, Salaried employed)

Acting Department Head (07/2024-10/2024)

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).

دائرة الموارد البشرية
Human Resources Department

University Council Member (10/2024-now).
Scientific Research Committee Head (10/2024-now).
Higher Council for Sustainable Development Council Member (01/2025-now).

***Health Sciences Research Center, Princess Nourah bint Abdulrahman University, Riyadh, Saudi Arabia**

Designations:

Clinical Assistant Professor, Full-time Lecturer and Research Scientist (03/2023– 02/2024, Full-time, Salaried employed); Reference: Dr. Abeer AlTamimi (aaaltamimi@pnu.edu.sa).

***Faculty of Pharmacy, King Abdulaziz University, Jeddah, Saudi Arabia**

Designation: Post-doctoral Researcher in Pharmaceutical Biotechnology and Medical Genetics (02/2022–03/2023)
Reference: Dr. Shadab MD; Dr. Nabil Alhakamy

***Faculty of Pharmacy, King Abdulaziz University, Jeddah, Saudi Arabia**

Designation: Post-graduate Researcher in Pharmaceutical Biotechnology and Medical Genetics (01/2019–02/2022)
Reference: Dr. Shadab MD; Dr. Nabil Alhakamy

***The School of Pharmacy, the University of Jordan, Amman, Jordan**

Designation: Lecturer and Research Associate in Pharmaceutics and Biopharmaceutics
(06/2014–05/2017)
Reference: Prof. Ahmad Bani-Jaber (Abjaber@ju.edu.jo)

CERTIFICATIONS OR PROFESSIONAL REGISTRATIONS

CURRENT MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS

- Global Sustainable Solutions Challenge Facilitator, US department of states, USA (12/2024)
- Global Sustainable Solutions Conversations Facilitator, US department of states, USA (11/2024)
- Research Bioethics Certificate, National Committee of Bioethics (NCBE), King Abdulaziz City for Science and Technology (KACST), Saudi Arabia (05/2023)
- Certificate of PCR and Biotechnology Tools Practice, King Fahad Medical Research Center, Jeddah, Saudi Arabia (03/2019)
- Pharmacist's Practice Certificate, Ministry of Health, Amman Jordan (06/2014)

HONORS AND AWARDS

- Ambassador of the Women Future Cities, Jordan.
- One of the top 10 projects and fellowship earner at the Future Climate Leaders Program, Oman.
- Mentor at the Saudi International Pharmaceutical Sciences (SIPHA) conference and competition, 2025, Saudi Arabia.

دائرة الموارد البشرية
Human Resources Department

- 1st Place in the Global Greenchem Innovation and Network Program and Competition, under the sponsorship of the Royal Scientific Society (Jordan), iPark (Jordan) and Yale Center for Green Chemistry and Green Engineering (USA), 16/11/2024.
- Emerging Talent Award, Falling Wall, Berlin, Germany, 07/11/2024.
- Falling Wall, Middle East, Finalist to Berlin Falling Wall, 26/09/2024.
- USA Global Challenges/IREX Facilitator, USAID, 08/2024-Now.
- USA Global Solutions/IREX Facilitator, USAID, 08/2024-12/2024.
- Young Researcher in Pharmaceuticals, 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),
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),
Colloids and Surfaces B: Biointerfaces (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)
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).

SERVICE ACTIVITIES

- (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.

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- (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 King Abdulaziz University, Saudi Arabia.

THE MOST IMPORTANT PUBLICATIONS IN LAST FIVE YEARS

Patents (full publication list is available on <https://orcid.org/0000-0001-5245-6489>)

1. **“Novel Gastro-retentive Nanogel” (09/2024)**

PCT filling; USPTO/PCT/JO2025/050002

Assignee: Amman Arab University; Inventors: Samaa Abdullah

2. **“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

3. **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

4. **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

5. **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

6. **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

INSTITUTIONAL PROFESSIONAL DEVELOPMENT ACTIVITIES IN THE LAST FIVE YEARS

RESEARCH LINK (Scopus and Google Scholar)

- https://scholar.google.com/citations?hl=en&view_op=list_works&gmla=AILGF5UZDe-JiC4noDXk5PT7ho9QM7aCeznGjCFaEhREQyyXlxtLAYGG6lvsGPNacblp9F6LrLGh8JrmbH4GoRsga mw&user=LjutnjAAAAJ
- <https://www.scopus.com/authid/detail.uri?authorId=57218140681>

LANGUAGES

- English
- Arabic