



# Dr. Abdullah Abdulrahman Aljasser

Assistant Professor

## Personal Data

Nationality | Saudi Arabia

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## Academic Qualifications (Beginning with the most recent)

Date	Academic Degree	Place of Issue	Address
On Going	MBA	Swiss Business School	Switzerland
2024	PhD in Pharmacy (Molecular Therapeutics & Pharmaceutics)	University of Nottingham	England
2019	MSc in Advanced Drug Delivery	University of Strathclyde	Scotland
2015	BSc in Pharmacy and Pharmaceutical Sciences	King Saud University	Saudi Arabia

## Professional Record: (Beginning with the most recent)

Job Rank	Institution	Date	
Assistant Professor	IAU	2025- present	Teach and coordinate undergraduate courses (Pharmaceutics 2, Drug Delivery Systems, Fundamentals of Pharmaceutics); Lead liposome & LNP research; Supervise projects; Internal Scholars' Advisor; Member of multiple committees (Strategic Planning, Expertise House, Research & Innovation, Alumni, ACPE).
Lecturer	IAU	2022-2025	Supported NCAAA accreditation; Assisted research on advanced drug delivery.
Demonstrator	IAU	2016-2022	Conducted pharmaceutics tutorials/labs; Prepared course materials; Assisted faculty.
Pharmacist	Kingdom hospital	2015-2016	Dispensed medications, counseled patients, supported physicians with drug information.



### PhD, Master or Fellowship Research Title: (Academic Honors or Distinctions)

PhD	Study on Liposomes Integrity and Delivery of siRNA to Lung Cancer
MSc	Assessing Drug Permeation Across a Differentiated Lung Epithelial Cell Monolayer of Macromolecules Formulated as Dry Powders for Inhalation.
BSc	Effect of Silymarin on Experimental Thermal Injury-Induced Changes in Blood Inflammatory Biomarkers of Rats

### Scientific Achievements

#### Published Refereed Scientific Articles Research

Number	Article
1	Development and evaluation of sulfadiazine-loaded gastric floating microspoon for repurposed cancer therapy
2	Fusion of liposomes incorporating $\alpha$ -linolenic acid with cell plasma membrane is site-restricted
3	Enhanced colon-targeted drug delivery through development of 5-fluorouracil-loaded cross-linked mastic gum nanoparticles
4	Preparation and Characterization of Anastrozole Nanocrystal Fast Dissolving Tablets Using Super Disintegrants and Co-Processed Excipients for Enhanced Drug Release
5	Influence of Magnetic Fields on the Thermal Conductivity, Electrical Conductivity, and Viscosity of Iron-Encapsulated Multi-Walled Carbon Nanotubes
6	DFT investigation of iron-doped boron nitride nanoparticles for anastrozole drug delivery and molecular interaction
7	Development of Mucoadhesive Hydrogels Based on Polyacrylic Acid Grafted Cellulose Nanocrystals for Local Cisplatin Delivery

#### Academic Reviewing & Evaluation Roles

- MSc Thesis External Reviewer
  - Preparation and Characterization of Cationic Liposomes for Efficient Topical Ophthalmic Delivery of Delafloxacin: In Vitro and Ex Vivo Studies
- Scientific Grant Proposal Evaluator
  - Next-Generation Phytotherapeutic Solutions: Developing and Testing Safe, Plant Based Antimicrobials for Saudi Livestock Health
  - Smart Diagnostics: Designing an Early Detection Kit for Human Breast Cancer
- Peer Reviewer for Scientific Journals



### Contribution to Scientific Conferences, Symposia, Exhibitions, and Summits

#	Title	Place and Date of the Conference	Extent of Contribution
1	SIPHA: Saudi International Pharmaceutical Science Meeting & Workshops	Riyadh, SA, Feb 2025	Poster presenter
	Graduate Programs Exhibition	Dammam, SA, Jan 2025	Presenter
2	Riyadh Global Medical Biotechnology Summit	Riyadh, SA, Nov 2024	Attend
3	Global Health Exhibition	Riyadh, SA, Oct 2024	Attend
4	Formative Formulation 3 Conference (Development of Advanced Fluorescence Methodology to Evaluate Liposomal Integrity)	Edinburgh, UK, Dec 2022	Poster presenter

### Lectures, Training Courses, and Workshops

#	Date	Title	Organized by
1	14-Dec-2025	تعزيز التعليم باستخدام التكنولوجيا	The deanship of academic development, IAU
2	30-Nov-2025	برنامج الارشاد والتوجيه السنة العاشرة	The deanship of academic development, IAU
3	09-Sep-2025	How Does Artificial Intelligence Use Prediction to Improve the Educational Process?	The deanship of E-learning and distance learning, IAU
4	03-Sep-2025	Using AI Tools in Assessment and Evaluation in E-Learning	The deanship of E-learning and distance learning, IAU
5	29-July-2025	Certificate in Fundamentals of Artificial Intelligence	Saudi Data and Artificial Intelligence Authority (SDAIA)
6	23-Apr-25	التوجهات الحديثة في تصميم التعليم	The deanship of academic development, IAU
7	22-Apr-25	Say it Like You Mean it: Communication Skills for Instructors	The deanship of academic development, IAU
8	20-Apr-25	High-Quality Assessment through the Use of Rubrics	The deanship of academic development, IAU
9	14-Mar-25	كفايات أعضاء هيئة التدريس لدعم الطلاب ذوي الإعاقة في التعليم الجمعي	The deanship of E-learning and distance learning, IAU
10	25-Feb-25	Site visit to Tabuk Pharmaceuticals Manufacturing Company	Dr. Abdullah Aljasser
11	19-Feb-25	برنامج Slido on chrome واستخدام الذكاء الاصطناعي	The deanship of E-learning and distance learning, IAU



12	18-Feb-25	Developing Exam Questions and Guidelines for Exam Papers	The Center for Quality of Assessment And Examination Vice Presidency Of Academic Affairs, IAU
13	13-Feb-25	Mastering the Art of Systematic Literature Reviews: From Planning to Publishing	Information Learning and Research Commons, Directorate of Library Affairs, IAU
14	12-Feb-25	Introducing and Exploring the Photochemical [2+2] Cycloaddition of Monothiomaleimides into Polymer Science	College of Science, IAU
15	11-Feb-25	Introduction to Scoring Rubrics and Their Applications	The Center for Quality of Assessment And Examination Vice Presidency Of Academic Affairs, IAU
16	21-Jan-25	Portfolios in Blackboard	The deanship of E-learning and distance learning, IAU
17	10-Dec-24	مراحل عملية ابتكار المنتج	College of Science, IAU
18	11.12.13-Nov-24	الكفايات الأساسية في التعليم والتعلم للأستاذ الجامعي 60	The deanship of academic development, IAU
19	6-Nov-24	للتواصل الفعال مع طلبة MyU استخدام تطبيق التعليم العالي	The deanship of E-learning and distance learning, IAU
20	5-Nov-24	Site visit to Dammam Pharma, a subsidiary of SPIMACO	Dr. Abdullah Aljasser
21	15-Oct-24	AI Applications in Higher Education Student Assessment Practices	The center for quality of assessment and examinations IAU/ University of Turku
22	9-Oct-24	ACPE Self-Study Report Workshop	Accreditation unit, College of Pharmacy IAU.
23	8-Oct-24	Invention thinking and innovation tools in clinical pharmacy	Research and Innovation, College of Pharmacy, IAU
24	17-Sep-24	Promoting Deep Learning in your Classroom (SOLO) Taxonomy	The deanship of academic development, IAU
25	11-Sep-24	Use AI in Scientific Research	The deanship of E-learning and distance learning, IAU
26	10-Sep-24	Educational activities in e-courses	The deanship of E-learning and distance learning, IAU
27	3-Sep-24	ACPE orientation workshop	Accreditation unit, College of Pharmacy, IAU.
28	2018	Employ Practices to Maintain Immune-Deficient Animal Models,	University of Alberta, Canada
29	2017	Regulatory Training in Animal Welfare and Ethics	University of Alberta, Canada



### Membership of Scientific and Professional Societies and Organizations

- Member, Saudi Pharmaceutical Society (SPS, 2025)
- Member of the Royal Society of Chemistry (MRSC, 2025)
- Associate Member of the Royal Society of Chemistry (AMRSC, 2024)

### Teaching Activities

#### Undergraduate

#	Course/Rotation Title	No./Code	Extent of Contribution (no. of lectures/ Tutorials. Or labs, Clinics)
1	Fundamental of Pharmaceutics	PHCT 202	3 Cr. Hrs /week
2	Physical Pharmacy	PHCT 207	2 Cr. Hrs /week
3	Pharmaceutics I	PHCT 212	3 Cr. Hrs /week
4	Pharmaceutics II	PHCT 301	3 Cr. Hrs /week
5	Drug Delivery Systems	PHCT 314	2 Cr. Hrs /week
6	Advanced Drug Delivery Systems (MSc)	PHCT 620	3 Cr. Hrs /week
7	Advanced Pharmaceutics and Quality Control (MSc)	PHCT 624	3 Cr. Hrs /week

#### Committee Membership

#	From	To	Position	Organization
1	2025	Current	Head, Student Activities Unit	College of Pharmacy, IAU
2	2025	Current	Vice Deputy, Expertise House Unit	College of Pharmacy, IAU
3	2024	Current	Member, Alumni Unit	College of Pharmacy, IAU
4	2024	Current	Member, Faculty Resource Report Team – ACPE accreditation	College of Pharmacy, IAU
5	2024	Current	Member, Curriculum Committee	College of Pharmacy, IAU
6	2024	Current	Member, Pharmaceutics Department	College of Pharmacy, IAU
	2024	Current	Member, Expertise House Unit	College of Pharmacy, IAU



### Recent grants and awards

1	<b>1st Place</b> winner in the Pharmaceutical Sciences Poster Presentation (Professional Category) at SIPHA for your work on “Liposomes Incorporating Unsaturated $\alpha$ -Linolenic Acid Show Preferential Association with Cellular Membrane.” (2025)
2	Full <b>scholarship</b> , covering living expenses, registration, tuition, and health insurance for my family, Imam Abdulrahman Bin Faisal University (2016 - 2024)
3	Finalist, <b>Ideal</b> Student Award, College of Pharmacy, King Saud University (2013 - 2014)

### Personal Key Competencies and Skills: (Computer, Information technology, technical, etc.)

1	GraphPad Prism (Research & Data Analysis)
2	Mendeley (managing references and citations in research papers)
3	ChemDraw (creating chemical structures and visualizing molecular interactions)
4	ImageJ (Image Processing & Analysis)
5	Kaluza (flow cytometry data analysis)
6	Microsoft office (e.g., Word, Excel, PowerPoint)
7	Blackboard
8	Zoom and Microsoft Team

### Last Update

30/12/2025