

RAK Medical & Health Sciences University, Curriculum Vitae

1. PERSONAL DETAILS

Name: Aftab Alam

2. EDUCATIONAL QUALIFICATIONS

Degree	College & University	Year	Major subject with Specialization	Dissertation/ Thesis Title (if applicable)
PhD in Clinical Pharmacy (UAE Equivalency Recognized)	Department of Pharmacy, Banasthali Vidyapith, Rajasthan, India	2025	Clinical Pharmacy	Drug–Drug Interactions: Evaluating Gaps Across Various Electronic Drug Information Resources
MS in Clinical Pharmacy	RAK College of Pharmaceutical Sciences, RAK Medical & Health Sciences University, Ras Al Khaimah, United Arab Emirates	2020	Clinical Pharmacy	Prospective observational Study on Safety Monitoring of Therapeutic Interventions in Hospitalized Patients with Acute Coronary Syndrome
MBA in Pharmaceutical Management	JRN Rajasthan Vidyapeeth University, Udaipur, Rajasthan, India	2011	Pharmaceutical Management	Not Applicable
PG Diploma in Pharmaceutical Regulatory Affairs	Faculty of Pharmacy, Jamia Hamdard, New Delhi, India	2009	Pharmaceutical Regulatory Affairs	Not Applicable
B. Pharm	Faculty of Pharmacy, Jamia Hamdard, New Delhi, India	2008	Pharmaceutical Sciences	Not Applicable

3. CONTINUING EDUCATION: COURSES, WORKSHOPS, SEMINARS, CONFERENCES- PARTICIPATED/PRESENTED PAPERS/CONDUCTED

Oral Presentations

S. No.	Name	Year
1	Cardio-diabetic Drug Interactions: A Head-to-Head Comparison of Artificial Intelligence Tools and Standard Electronic Drug Information Resources. International Conference AMUCMCON 2025, Artificial Intelligence (AI) in Education and Healthcare – A New Era in Public Health Solutions, Department of Community Medicine, Jawaharlal Nehru Medical College (JNMC), Aligarh Muslim University (AMU), Aligarh, India.	2025
2	Mapping the Risk: Comparative Evaluation of Digital Drug Interaction Tools. International Conference on Innovative Advancement in Drug Discovery, Design and Development Process), Om Bio Sciences and Pharma College, Roorkee, Uttarakhand, India.	2024
3	Unveiling Disparity: A Review of Drug Interaction Detection Tools, Indo-Gulf International Conference on “Global Aspects of Artificial Intelligence and Pharmaceutical Sciences”, SNS College of Pharmacy, Motihari, East Champaran, Bihar, India.	2024
4	Medication Safety Assessment in Patients with Acute Coronary Syndrome-Vigilant monitoring of adverse outcomes, DUPHAT 2020, Dubai.	2020

Poster Presentations

S. No.	Name	Year
1	Artificial Intelligence and Databases in Drug Safety: A Pilot Study of Antidiabetic Drug Interactions, Lloyd's International Conference on “Transformative Journeys: Harnessing AI and Innovation for Sustainable Development of Pharmaceutical and Healthcare Sector” Organized by Lloyd Institute of Management & Technology (Pharm.), Greater Noida, India.	2024
2	Medication Safety Assessment in Patients with Acute Coronary Syndrome. The Indian Pharmaceutical Association (IPA virtual convention 2021), Anantapur branch, India.	2021
3	Medication Safety Assessment in Patients with Acute Coronary Syndrome-Vigilant monitoring of adverse outcomes, DUPHAT 2020, Dubai International Pharmaceuticals & Technologies Conference and Exhibition at Dubai International Convention & Exhibition Centre, Dubai, UAE.	2020
4	Drugs and Breast Cancer Risk, RAK Medical & Health Sciences University, Ras Al Khaimah, UAE.	2019
5	Pharmacists are your medicines expert, RAK College of Pharmaceutical Sciences, RAK Medical & Health Sciences University, Ras Al Khaimah, UAE.	2018
6	The effects of different extraction methods on antioxidant capacity and phytochemical screening of <i>Syzygium cumini</i> seeds, DUPHAT 2018,	2018

	Dubai International Pharmaceuticals & Technologies Conference and Exhibition at Dubai International Convention & Exhibition Centre, Dubai, UAE.	
7	Simultaneous Estimation of Paracetamol and Caffeine using FTIR Spectroscopy, DUPHAT 2014, Dubai International Pharmaceuticals & Technologies Conference and Exhibition at Dubai International Convention & Exhibition Centre, Dubai, UAE.	2014

Conference/Seminar/Symposium/Workshops/CME/CPD attended

Participated in 200+ national and international CME/CPD programs and webinars in clinical pharmacy, pharmacovigilance, digital health, and interprofessional education.

4. EMPLOYMENT EXPERIENCE

A. Total Experience: 15 years

B. Teaching Experience: 6 years

College & University	Year		Designation	Subjects/Courses Taught (UG/Grad./PG)
	From	To		
RAKCOP, RAKMHSU	January 2026	Present	Instructor	Undergraduate Program: B. Pharm <i>Theory:</i> Pharmacy Practice III <i>Practical and Case-Based Learning (CBL) Sessions</i> ➤ Pharmacy Practice I, II, III ➤ Pharmacology & Therapeutics I, II, III, IV, V ➤ Pharmacotherapeutics I ➤ Community Pharmacy <i>Experiential Learning / Practice School</i> ➤ Practice School – Hospital ➤ Practice School – Community

RAKCOP, RAKMHSU	September 2020	December 2025	Senior Lab Instructor	Undergraduate Program: B. Pharm <i>Practical and Case-Based Learning (CBL) Sessions</i> ➤ Pharmacy Practice I, II, III ➤ Pharmacology & Therapeutics I, II, III, IV, V ➤ Pharmacotherapeutics I ➤ Community Pharmacy <i>Experiential Learning / Practice School</i> ➤ Practice School – Hospital ➤ Practice School – Community
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C. Academic & Instructional Support Experience:

Junior Lab Instructor → Lab Instructor → Senior Lab Instructor (Sep 2011 - August 2020)

Academic support, instructional involvement, student supervision, learning facilitation, experiential education support.

D. Clinical / Hospital / Industrial Experience:

College & University	Year		Designation	Job description	Subjects/Courses Taught(UG/Grad./PG)
	From	To			
RAKCOP, RAKMHSU	January 2026	Present	Instructor	Supervision and mentoring of students during hospital and community pharmacy practice school rotations	➤ Practice School – Hospital ➤ Practice School – Community
RAKCOP, RAKMHSU	October 2018	December 2025	Senior Lab Instructor	Supervision and mentoring of students during hospital and community pharmacy practice school rotations	➤ Practice School – Hospital ➤ Practice School – Community
RAKCOPS, RAKMHSU	October 2014	September 2018	Lab Instructor	Supervision of students during hospital practice school rotations	
RAKCOPS, RAKMHSU	September 2011	September 2014	Junior Lab Instructor	Supervision of students during hospital practice school rotations	

5. A. RESEARCH INTERESTS, SKILLS AND EXPERIENCE

Research Interests

- Artificial Intelligence and Digital Health in Pharmacy Practice
- Clinical Pharmacy Practice and Patient-Centered Care
- Drug–Drug Interactions and Medication Safety
- Clinical Decision Support Systems
- Pharmacotherapy in Cardio-Diabetic and Chronic Diseases
- Pharmacoepidemiology and Evidence-Based Medicine
- Drug Information Services and Resources

Research Skills and Experience

- Research methodology, comparative evaluation studies, and observational research design
- Drug–drug interaction evaluation using electronic drug information databases and AI tools
- Scientific writing for peer-reviewed journals (Scopus-indexed publications)
- Systematic literature searching and reference management (Zotero, EndNote)
- Academic integrity tools (Turnitin, iThenticate)
- Proficient in clinical and drug information databases: Lexicomp, Micromedex, UpToDate, Medscape, DrugBank, Drugs.com, RxList, Epocrates
- Applied use of AI-enabled platforms (ChatGPT, Copilot, Gemini) for literature synthesis; academic drafting, and supplementary clinical decision support
- Digital academic platforms including University Management Systems (UMS) and e-learning environments
- Microsoft Office Suite (Word, Excel, PowerPoint) for academic documentation, analysis, and presentations.

B. PUBLICATIONS/BOOKS/BOOK CHAPTERS/PEER-REVIEWED JOURNAL ARTICLES/CONTRIBUTION TO EDITED VOLS. EQUIV. TO PEER-REVIEWED JOURNALS ETC.

S. No	Title of the publication	Journal	Indexed? (Yes/No)	PubMed/Scopus/ Web of Science/Other
1	Real-World Osteoporosis Pharmacotherapy in the UAE: Prescribing Trends, Adherence, and Patient.	Healthcare	Yes	Scopus, Web of Science
2	Drug interaction dilemmas: A database-based comparative evaluation of dual antihypertensive therapy.	In Silico Research in Biomedicine	Yes	Other
3	Beyond the bookshelf: Transforming drug information resources through digital innovation.	In Silico Research in Biomedicine	Yes	Other

4	Assessing COVID-19 vaccine side effects among the general population in Jordan: A nationwide perspective.	Tropical Journal of Pharmaceutical Research	Yes	Scopus
5	Formulation and evaluation of alginate-based hydrogel membranes loaded with colistin for effective management of multidrug-resistant wound infections.	Pharmaceutics	Yes	Scopus, Web of Science
6	The Role of Artificial Intelligence in Pharmacy Practice and Patient Care: Innovations and Implications.	BioMedInformatics	Yes	Scopus, Web of Science
7	Decoding prescriptions: A closer look at common errors in clinical practice across community pharmacies of Northern Cyprus.	Pakistan Journal of Pharmaceutical Sciences	Yes	Scopus
8	From prescription to plate: Evaluating drug-drug and drug-food interactions in the prescriptions dispensed in community pharmacies of Northern Cyprus.	Indian Journal of Pharmaceutical Education and Research	Yes	Scopus
9	From algorithms to evidence: Assessing artificial intelligence chatbots and drug databases for detecting cardio-diabetic drug interactions.	International Journal of Applied Pharmaceutics	Yes	Scopus
10	Artificial intelligence in drug interaction management: a transformative approach in clinical decision support systems.	International Journal of Innovative Research in Multidisciplinary Field	Yes	Other
11	Acute Coronary Syndrome - Exploring the Evidences Clinical Pharmacist Driven Cardiac Review.	Indian Journal of Pharmacy Practice	Yes	Other

12	Antimicrobial and in vitro antioxidant activity of <i>Salvia officinalis</i> L. against various re-emergent multidrug resistance microbial pathogens.	Annals of Phytomedicine	Yes	Other
13	The Effect of Different Extraction Methods on Antioxidant Capacity and Phytochemical Screening of <i>Syzygium cumini</i> Seeds.	Free Radicals and Antioxidants	Yes	Other
14	Biowaiver Studies of Atenolol Tablets (100mg) - An Alternative to In Vivo Bioequivalence Studies.	Natural Products Chemistry & Research	Yes	Other
15	Evaluation of dissolution testing for ciprofloxacin (500 mg) tablets: post market surveillance of different brands available in Ras Al Khaimah (UAE).	International Journal of Biopharmaceutics	Yes	Other

6. AWARDS

S. No	Category	Granting Organization	Year in which Received
1	Awards	Graduated with Distinction in MS Clinical Pharmacy	2020
		Second Place - Poster Competition (World Pharmacist Day)	2018

7. SERVICE TO PROFESSION/PROFESSIONAL CONTRIBUTIONS, ACTIVITIES AND SKILLS (e.g. Affiliations/Memberships/Committees/Licenses/Certifications etc.)

S. No	Category	Organization	Year in which Received /Joined
1	Academic Peer Review and Scholarly Service - Invited Reviewer	Frontiers in Immunology (Frontiers)	2026
		International Journal of Clinical Practice (Wiley)	2026
		Health Informatics Journal (SAGE Publications)	2026
		Digital Health (SAGE Publications)	2026

	Invited Book Proposal Reviewer	CRC Press (Taylor & Francis Group)	2026
2	Certifications	Good Clinical Practice (GCP) Certification, NIDA Clinical Trials Network (NIH-funded)	2024
		IELTS	2018
3	Professional Registration / Licensure	Registered Pharmacist, Delhi Pharmacy Council, New Delhi, India	2008