

# Lubna Yousef Ashri

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## Personal Information

- DOB: 16<sup>th</sup> of May
- Nationality: Saudi
- Social Status: Married

## Education

### **DOCTOR OF PHILOSOPHY IN CHEMICAL AND BIOLOGICAL ENGINEERING (PHD) (2016)**

- Physical Science and Engineering Division (PSE), Advanced Membranes and Porous Materials Center, King Abdullah University of Science and Technology (KAUST), Thuwal, Kingdom of Saudi Arabia (KSA).
- Dissertation: Toward Developing Made-to-Order Metal-Organic Frameworks: Design, Synthesis and Applications.

### **MASTER'S DEGREE IN PHARMACEUTICAL SCIENCE (PHARMACEUTICS) (2007)**

- College of Pharmacy, KSU, Riyadh, KSA.
- Dissertation: Metronidazole Buccoadhesive Film for the Treatment of Periodontal Diseases.

### **DIPLOMA IN NETWORK TECHNOLOGY (2000)**

- Summa Cum Laude
- Computer Learning Centers, Inc., Virginia, USA

### **BACHELOR OF SCIENCE DEGREE IN PHARMACY (1993)**

- Honor
- College of Pharmacy, KSU, Riyadh, KSA

## Work Experience

### **ASSISTANT PROFESSOR (2016-CURRENT)**

Pharmaceutics Department, College of Pharmacy, KSU, Riyadh, KSA.

### **LECTURER (2007-2016)**

Pharmaceutics Department, College of Pharmacy, KSU, Riyadh, KSA.

### **TEACHING ASSISTANT (1994-2007)**

Pharmaceutics Department, College of Pharmacy, KSU, Riyadh, KSA.

## Research Interests

- Pharmaceutical technology and drug delivery systems.
- Metal-organic frameworks (MOFs) in drug delivery and pharmaceutical applications.
- Polymers in drug delivery and pharmaceutical applications.
- MOFs design, synthesis, and application in chemical and biological engineering.

## Teaching

AS ASSISTANT PROFESSOR	
PHT 210	Pharmaceutical calculations (PHMD)
PHT 221	Pharmaceutics I (PHMD)
PHT 224	Pharmaceutics I (BPHS)
PHT 414	Pharmaceutics IV (BPHS)
PHT 417	Biopharmaceutics and pharmacokinetics (PHMD)
PHT 427	Sterile Dosage Forms (PHMD)
PHT 535	Drug targeting (postgraduate)
PHT 555	Quality control and quality assurance in pharmaceutical industry (postgraduate)
PHT 539	Advanced biopharmaceutics (postgraduate)
PHT 553	Advanced biopharmaceutics and pharmacokinetics (postgraduate)

AS LECTURER	
PHT 251	Calculations and pharmaceutical solutions
PHT 452	Dispersion systems and drug stability
PHT 261	Solid dosage forms
PHT 351	Sterile dosage forms
PHT 451	Dispensing of medications-1
PHT 452	Dispensing of medications-2
PHT 453	Hospital pharmacy
PHT 463	Quality control of pharmaceutical dosage forms
PHT 464	Cosmetics

## Graduate Students Supervision

Name of student	Degree	Status	Role
Aseel Alshraim	Master	In progress	Assistant supervisor
Modi Alagel	Master	Graduated (2023)	Assistant supervisor
Reem Alenazi	Master	Graduated (2021)	Assistant supervisor

## Undergraduate Students Supervision (Graduation Projects)

Name of student	Degree	Status (Year)	Role
Ranya Alenazi Arwa Alrakhees Salma Bin Jared	Bachelor	Graduated (2018)	Main supervisor
Asayel Bubsheet Rajaa Jamal Eddin	Bachelor	In progress	Main supervisor

## Examination Committee and Master Thesis Discussion

Name of student	Degree	Title
Khlolud Alrowaili	Master of Science in Pharmaceutics (2023)	Formulation and Characterization of Intranasal Pioglitazone-Loaded Chitosan Nanoparticles for Potential Treatment of Alzheimer's Disease: In vitro and Ex vivo Studies
Areej Almutairi	Master of Quality Control in Pharmacy (2023)	Impacts of Storage Conditions on the Dissolution Performance of Commercially Available Metronidazole Tablets
Mashael Alnuwaiser	Master of Quality Control in Pharmacy (2022)	Bioequivalence and Pharmacokinetic Parameters Evaluation of the Brand and Generic Cinacalcet Tablets in Saudi Markets using Wistar rats
Hind Alzuhair	Master of Quality Control in Pharmacy (2022)	In Vitro Assessment of Pharmaceutical Quality Control and Equivalence of Commercially Available Generics of Amlodipine Capsules in Saudi Arabia
Khawla Algarni and Hind Alzamil	Master of Quality Control in Pharmacy (2021)	Application of Quality Control Methodology in the Development of Once Daily Modified Release Gliclazide Tablets
Ahad Abushal	Master of Science in Pharmaceutics (2020)	Self-Nanoemulsifying Drug Delivery System (SNEDDS) of Apremilast: In Vitro Evaluation and Pharmacokinetic studies
Rawan Alswaylem	Master of Science in Pharmaceutics (2020)	MicroRNA-219 Loaded Chitosan Nanoparticles for Treatment of Glioblastoma
Lama S. Aljalil	Master of Quality Control of Pharmacy (2020)	Preparation and Evaluation of Extemporaneously Compounded Aspirin Capsules from Crushed Aspirin Tablets
Sara Algrenees and Maram Alenazi	Master of Quality Control in Pharmacy (2019)	Analysis of Presence of Antidepressants in the Treated Wastewater in Riyadh, Saudi Arabia.

## Publications and Scientific Writings

- Optimization and evaluation of Lisinopril mucoadhesive sustained release matrix pellets: In-vitro and ex-vivo studies. Modhi F Alagili, Bushra T AlQuadeib, **Lubna Y Ashri**, Mohamed Abbas Ibrahim. Saudi Pharmaceutical Journal, 31(8):101690, 2023.
- Design and dermatokinetic appraisal of lornoxicam-loaded ultrafine self-nanoemulsion hydrogel for the management of inflammation: In vitro and in vivo studies. Saleh A Al-Suwayeh, Mohamed M Badran, Ghada O Alhumoud, Ehab Taha, **Lubna Y Ashri**, Mohsin Kazi. Saudi Pharmaceutical Journal, 31(6):889-903, 2023.
- Dextromethorphan hydrobromide extended-release tablets prepared by high shear wet granulation. Gamal M. Mahrous, Sayed H. Auda, Ahmed S. Alenazi, **Lubna Y. Ashri** and Amal El Sayeh F. Abou El Ela. World Journal of Pharmaceutical Research, 10 (12), 2021.
- Co-stabilization of pioglitazone HCL nanoparticles prepared by planetary ball milling: in-vitro and in-vivo evaluation. Doaa H. Alshora, Shaikha Alsaif, Mohamed A. Ibrahim, Essam Ezzeldin, Osaid T. Almeanazel, Amal El Sayeh Abou El Ela & **Lubna Y. Ashri**. Pharmaceutical Development and Technology, 25 (7), 2020.
- Optimization and evaluation of chitosan buccal films containing tenoxicam for treating chronic periodontitis: In vitro and in vivo studies. **Lubna Y. Ashri**, Amal El Sayeh F. Abou El Ela, Mohamed Abbas Ibrahim, Doaa Hasan Alshora, Marianne j. Naguib. Journal of Drug Delivery Science and Technology, 57, 2020.
- Poster Presentation "Anti-microbial Evaluation of Different Topical Formulation Containing Mixture of Natural Components" in the college of Pharmacy research day 2018, KSU, Riyadh, KSA.
- Thesis dissertation "Toward Developing Made-to-Order Metal-Organic Frameworks: Design, Synthesis and Applications" as partial fulfillment of The Doctor of Philosophy Degree (2016), Physical Science and Engineering Department, KAUST, Thuwal, KSA.
- Micromatrical Metronidazole Benzoate Film as a Local Mucoadhesive Delivery System for Treatment of Periodontal Diseases. Amal H. El-Kamel, **Lubna Y. Ashri** and Ibrahim A. Alsarra. AAPS PharmSciTech, 8 (3), Article 75, 2007.
- Thesis dissertation "Metronidazole Buccoadhesive Film for the Treatment of Periodontal Disease" as partial fulfillment of the Master Degree (2007), Pharmaceutics Department, KSU, Riyadh, KSA.
- Poster Presentation "Metronidazole Buccoadhesive Film for the Treatment of Periodontal Diseases" in the 9<sup>th</sup> international Pharmaceutical Science Conference and Exposition 2005, KSU, Riyadh, KSA.

## Professional Committees

- Head of the "Master of Science in Pharmaceutics Program Accreditation" supporting committee, Department of Pharmaceutics, College of Pharmacy, KSU (2022-Current)
- Head of the committee responsible for transferring "Master of Science in Pharmaceutics" program from a two-semester program to a three-semester program. Department of Pharmaceutics, College of Pharmacy, KSU (2021-2022).
- Head of the "Master of Science in Pharmaceutics Program Development" committee, Department of Pharmaceutics, College of Pharmacy, KSU (2019-Current).
- Head of the "Master of Science in Pharmaceutics" program committee, Department of Pharmaceutics, College of Pharmacy, KSU (2019-Current).

- Member of the “Quality Control in Pharmacy” master program committee, College of Pharmacy, KSU (2018-current)
- Member of the Academic Affairs and Quality Committee, Department of Pharmaceutics, College of Pharmacy, KSU (2018-current)
- Member of the Pharmaceutics Department web site updating committee, Department of Pharmaceutics, College of Pharmacy, KSU (2018-2019)
- Head of the community services unit supporting committee, College of Pharmacy, KSU (2016-2020)
- Chairperson of the Community Service Unit, College of Pharmacy, KSU (2016-2020).
- Member of the Cultural Committee, College of Pharmacy, KSU (2016-2018)
- Member of the Non-Academic Skills Committee, College of Pharmacy, KSU (2016-2018)
- Quality Assurance Coordinator, Department of Pharmaceutics, female section, College of Pharmacy, KSU (2016-2019).
- Member of Breast Cancer Awareness Committee, College of Pharmacy, female section, KSU (2016-2017)
- Member of the Higher Committee of Quality Assurance, College of Pharmacy, KSU (2009)
- Member of the Development & Quality Assurance unit, College of Pharmacy, KSU (2008-2009).
- Chairperson of the Computer Center Supervising Committee, College of Pharmacy, KSU (2007-2009).
- Member of Laboratory Scientific Equipment Committee, Department of Pharmaceutics, College of Pharmacy, KSU (2007- 2009).
- Member of the Female Website Preparation Committee, College of Pharmacy, Center for Female Scientific and Medical Colleges, KSU (2007-2008).
- Member of the Computer Center Supervising Committee, College of Pharmacy, KSU (2002-2007).
- Member of the Environment Committee Center for Female Scientific and Medical Colleges, KSU (2003-2004).
- Member of the Annual Report Committee, College of Pharmacy, Center for Female Scientific and Medical Colleges, KSU (2002-2004).

## **Training Courses, Workshops and Seminars Attended**

- Seminar on Using ChatGPT in Medical Education. College of Pharmacy AI Committee Seminars, KSU (2023).
- Workshop on Learning Outcomes Assessment Mapping (Table of Specifications, TOS). Skills Development Unit, College of Pharmacy, KSU (2023).
- Workshop on Preparation of Self-Study Report (SSR). Skills Development Unit, College of Pharmacy, KSU (2023).
- Program Course (Basic Introduction to Biosafety- Biosafety/Biosecurity). Collaborative Institutional Training Initiative (CITI) (2023).
- Program Course (Working with Rats in Research Settings). Collaborative Institutional Training Initiative (CITI) (2023).
- Workshop on Performance Indicators in the university and Benchmarking. Deanship of Skills and Development, KSU (2022)
- Enrichment program on "Academic Leadership 2022". KSU (2022).
- An activity entitled “The Genetic Revolution: Medical Applications” by the Virtual Medical Academy (2021).
- Workshop on Course Reports, Deanship of Skills and Development, KSU (2021)

- Workshop on the Evaluation of Learning Outcomes, Deanship of Skills and Development, KSU (2019)
- Workshop on University Effective Teaching, Deanship of Skills and Development, KSU (2019)
- Workshop on Building and Strengthening the Community Ties Between the University and Society in Light of 2030 Vision, KSU (2019)
- Workshop on Fundamentals of Learning Management System, Deanship of Skills Development, KSU (2016).
- Emergency and Crisis Management Overview course, KAUST, (2014)
- Laboratory Safety Training, KAUST (2012)
- Hydrofluoric Acid Training, KAUST (2012)
- Workshop on Advances in Sterile Products, Pharmaceutical Technology Center, College of Pharmacy, KSU (2009).
- Workshop on Immediate and Modified Release Technologies, Pharmaceutical Technology Center, College of Pharmacy, KSU (2008).
- Training Course on “ISO 9001: 2000 Quality Internal Auditor Course”, Quality & Excellence Consultant, at KSU (2008).
- Workshop on Manufacturing and Properties of Nanoparticles, King Abdullah Institute for Nanotechnology, KSU (2008).
- Nanotechnology: A Dream or Reality in Drug Delivery and Cosmetics, Research Center, Center for Female Scientific and Medical Colleges, KSU (2008).
- Workshop on Using Communication and Information Technology in Effective Teaching, Deanship of Skills Development, KSU (2008).
- Workshop on Motivating Students to Learn, Deanship of Skills Development, KSU (2008).
- Workshop on Classroom Assessment Techniques, Deanship of Skills Development, KSU (2008).
- Workshop on Innovative Assessment: Writing High Quality MCQ Items, Master program of medical education, King Saud bin Abdulaziz University for Health Sciences (2008).
- Workshop on Self-Development, Deanship of Skills Development, KSU (2008).
- Workshop on Active Learning and Teaching Large Classes, Deanship of Skills Development, KSU (2008).
- Workshop on Planning For Effective Teaching, Deanship of Skills Development, KSU (2008).
- Workshop on Creating and Designing an Effective Scientific Poster Presentation, KSU (2003).

## Courses Attended

### **AT THE GEORGE WASHINGTON UNIVERSITY, WASHINGTON DC, USA:**

#### **1-IN COMPUTER SCIENCE:**

- Introduction to computing
- Introduction to information systems
- Application software
- Introduction to internet servicing
- Network servicing
- Design switching
- Assembly language programming (ADA)
- Data structure
- Information systems technology
- PC Hardware troubleshooting

## **2-IN HEALTH CARE ECONOMICS:**

- Introduction to health care
- Managerial economics
- Statistical analysis for managers
- Health economics

## **Community Service and Public Presentations:**

- Oral presentations judge in the 11<sup>th</sup> College of Pharmacy Research Day (2022)
- Posters Judge in the 10<sup>th</sup> College of Pharmacy Research Day (2021)
- Moderator in the 9<sup>th</sup> College of Pharmacy Research Day, KSU (2019)
- "Breast Cancer Awareness" annual activity, College of Pharmacy, KSU (2016-2019)
- "Alzheimer Awareness" annual activity, College of Pharmacy, KSU (2016-2019)
- "ADHD Awareness" annual activity, College of Pharmacy, KSU (2016-2019)
- "Natural Ways for Skin Care", College of Pharmacy, KSU (2008).
- "How to Create and Edit Your Web Site", College of Pharmacy, KSU (2007).
- "Desktop Memory Module Installation Guide", College of Pharmacy, KSU (2007).
- "Consumer's Guide to Laptops", College of Pharmacy, KSU (2005).

## **Membership in Professional Organizations**

- The Saudi Pharmaceutical Society (SPS)

## **Skills**

- Computer competent (hardware and software)
- Arabic and English languages, written and spoken.

## **Certificates**

### **A+ CERTIFICATION (2000)**

- IT technician
- CompTIA, Virginia, USA