

## **Curriculum Vitae May 2022**

### **Iman Mohammed Rashed Alfagih**

**Assistant Professor  
Department of Pharmaceutics  
College of Pharmacy  
Female Campus  
King Saud University**

#### ***Contact***

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#### ***Academic Qualifications***

- 2015: Doctor of Philosophy (PhD) in Pharmaceutics, Liverpool John Moores University, School of Pharmacy & Biomolecular Sciences, Liverpool, UK.
- 2008: Master of Science degree in Pharmaceutics, King Saud University, College of Pharmacy, Riyadh, Saudi Arabia.
- 2000: Bachelor of Science degree in Pharmacy (with honours). King Saud University, College of Pharmacy, Riyadh, Saudi Arabia.

#### ***Academic appointments***

- 2015- Current: Assistant Professor, Pharmaceutics department, College of Pharmacy, King Saud University, Riyadh, Saudi Arabia.
- 2009- 2015: Lecturer, Pharmaceutics department, College of Pharmacy, King Saud University, Riyadh, Saudi Arabia.
- 2007-2009: Teaching assistant, Pharmaceutics department, College of Pharmacy, King Saud University, Riyadh, Saudi Arabia.

#### ***Work Experience***

- 2000-2001: Pharmacist at Elite medical and surgical centre, Riyadh, Saudi Arabia.

#### ***Teaching Experience***

##### **Undergraduate courses**

- PHARM 221: Solid and Semisolid Dosage Forms.
- PHT 221: Pharmaceutics I
- PHT 322: Pharmaceutics III
- PHT 311: Pharmaceutics-2
- PHT 312: Pharmaceutics II

- PHT 432: Industrial Pharmacy
- PHT 434: Sterile Dosage Forms
- PHT 436: GMP regulations and Quality Control
- PHT 224: Pharmaceutics I
- PHT 252: Dispersion Systems and Drug Stability
- PHT 415: Basic Pharmacokinetics
- PHT 451: Dispensing of Medication I
- PHT 452: Dispensing of Medication II

### **Postgraduate courses**

- PHT 527: Advanced Quality Assurance in Pharmaceutical Industry
- QCP 595: Research project.
- PHT 555: Quality control & quality assurance in pharmaceutical industry
- PHT 545: Advanced Pharmaceutical technologies
- QCP 513: Good Manufacturing Practice
- QCP 598: Research project (1).
- QCP 599: Research project (2).

### ***Workshops and Seminars Attended***

- 2022: Cloud Storage. 4 training hours. Deanship of Skills Development, King Saud University, Riyadh, Saudi Arabia.
- 2022: Google tools for education. 2 working day. Deanship of Skills Development, King Saud University, Riyadh, Saudi Arabia.
- 2022: Item author certification program. 2 working day. Exam Center, Saudi Commission for Health Specialist, King Saud University, Riyadh, Saudi Arabia.
- 2021: Basics for committees works. 3 training hours. Deanship of Skills Development, King Saud University, Riyadh, Saudi Arabia.
- 2021: Steps for publication in ISI journals. One training hours. Research center for the humanities, King Saud University, Riyadh, Saudi Arabia.
- 2021: Course Report. 3 training hours. Deanship of Skills Development, King Saud University, Riyadh, Saudi Arabia.
- 2020: Employing Learning Management System (LMS) in distance education, 4 training hours. Deanship of Skills Development, King Saud University, Riyadh, Saudi Arabia.
- 2020: Helping students to think critically, 4 training hours. Deanship of Skills Development, King Saud University, Riyadh, Saudi Arabia.
- 2019: Course design and construction, 9 training hours. Deanship of Skills Development, King Saud University, Riyadh, Saudi Arabia.
- 2018: Assessment of learning outcomes, 9 training hours. Deanship of Skills Development, King Saud University, Riyadh, Saudi Arabia.
- 2018: Statistical analysis using SPSS, 15 training hours. Deanship of Skills Development, King Saud University, Riyadh, Saudi Arabia.
- 2018: Courses design, 12 training hours. Deanship of Skills Development, King Saud University, Riyadh, Saudi Arabia.
- 2018: Multiple intelligences in college teaching, 6 training hours. Deanship of Skills Development, King Saud University, Riyadh, Saudi Arabia.

- 2016: Fundamentals of student assessment system. College of pharmacy, King Saud University, Riyadh, Saudi Arabia.
- 2016: Microteaching, 4 training hours. Deanship of Skills Development, King Saud University, Riyadh, Saudi Arabia.
- 2016: Assessment of learning outcomes, 8 training hours. Deanship of Skills Development, King Saud University, Riyadh, Saudi Arabia.
- 2015: Course Design and construction, 4 training hours. Deanship of Skills Development, King Saud University, Riyadh, Saudi Arabia.
- 2015: Developing a Teaching portfolio, 4 training hours. Deanship of Skills Development, King Saud University, Riyadh, Saudi Arabia.
- 2015: Basic concepts of quality system, 4 training hours. Deanship of Skills Development, King Saud University, Riyadh, Saudi Arabia.
- 2015: Understanding and implementing the review of ISO 9001:2008, 12 training hours. Deanship of Skills Development, King Saud University, Riyadh, Saudi Arabia.
- 2015: Preparation of the internal auditor and correct method of auditing, 8 training hours. Deanship of Skills Development, King Saud University, Riyadh, Saudi Arabia.
- 2015: Safe and Comfortable Learning Context, 3 training hours. Deanship of Skills Development, King Saud University, Riyadh, Saudi Arabia.
- 2015: Learning Theories, 3 training hours. Deanship of Skills Development, King Saud University, Riyadh, Saudi Arabia.
- 2014: Scientific Research: concepts, Mechanisms and Integrity, 6 training hours. Deanship of Skills Development, King Saud University, Riyadh, Saudi Arabia.
- 2014: Experiential Classes Management, 5 training hours. Deanship of Skills Development, King Saud University, Riyadh, Saudi Arabia.
- 2104: HR Planning in Academic Departments, 6 training hours. Deanship of Skills Development, King Saud University, Riyadh, Saudi Arabia.
- 2012: Endnote - Managing your references, King Saud University, Riyadh, Saudi Arabia.
- 2012: *S. pneumonia* stock preparation and protein extraction, Liverpool school of tropical medicine, Liverpool, UK.
- 2009: Teaching Portfolio, Deanship of Skills Development, King Saud University, Riyadh, Saudi Arabia.
- 2009: Course Design, Deanship of Skills Development, King Saud University, Riyadh, Saudi Arabia.
- 2009: A Seminar to discuss the venues of cooperation, strategies of prospective academic and research cooperation with the scientists from University of Leeds, North of England.
- 2009: The First International Conference in Biotechnology, King Fahad Cultural Center, Riyadh, Saudi Arabia.
- 2009: The third workshop on pharmaceutical manufacturing science "Advances in Sterile Products", Pharmaceutical Technology Center, Dr. Walid Kayyali Chair for Pharmaceutical Industry, College of Pharmacy, King Saud University, Riyadh, Saudi Arabia.
- 2008: The second workshop on pharmaceutical manufacturing science "Immediate and Modified Release Technologies", Pharmaceutical Technology Center, Dr. Walid Kayyali Chair for Pharmaceutical Industry, College of Pharmacy, King Saud University, Riyadh, Saudi Arabia.
- Nanotechnology: a Dream or Reality in Drug Delivery and Cosmetics, Research Center, King Saud University, Riyadh, Saudi Arabia.

- 2008: Use of information & communication technology in academic teaching, 20 training hours. Deanship of Skills Development, King Saud University, Riyadh, Saudi Arabia.
- 2008: Motivating Students to Learn, 7 training hours. Deanship of Skills Development, King Saud University, Riyadh, Saudi Arabia.
- 2008: Classroom Assessment Techniques, Deanship of Skills Development, King Saud University, Riyadh, Saudi Arabia.
- 2008: Planning For Effective Teaching, 24 training hours. Deanship of Skills Development, King Saud University, Riyadh, Saudi Arabia.
- 2008: Innovative Assessment: Writing High Quality MCQ Items, Master program of medical education, King Saud bin Abdulaziz University for Health Science, Riyadh, Saudi Arabia.

### ***University and Community Service***

- 2022-2024: member of Saudi Pharmacist Professional Practice Licensure Examination committee (Pharmaceutical Sciences), Saudi Commission for Health Specialties.
- 2021-2022: member of PHT 545 course update committee, Department of Pharmaceutics, College of Pharmacy, King Saud University.
- 2021-2022: member of PHT 585 course update committee, Department of Pharmaceutics, College of Pharmacy, King Saud University.
- 2018-Current: member of academic affair and quality committee, Department of Pharmaceutics, College of Pharmacy, King Saud University.
- 2015-2022: Quality representative of female pharmaceutics department, quality and accreditation committee, College of Pharmacy, King Saud University.
- 2018-2020: member of department's website updates committee, Department of Pharmaceutics, College of Pharmacy (female campus), King Saud University.
- 2018-2019: member of course report evaluation committee, Department of Pharmaceutics, College of Pharmacy (female campus), King Saud University.
- 2019-2020: member of annual report committee, College of Pharmacy, King Saud University.
- 2015-2016: Member of A Joint Program in "Quality Control of Pharmaceuticals" (Department of Pharmaceutics and Department of Pharmaceutical Chemistry) Committee, College of Pharmacy (female campus), King Saud University.
- 2015-2016: Member of Exams Centre Committee, College of Pharmacy (female campus), King Saud University.
- 2015- 2016: Coordinator of College of Pharmacy Seminars Committee, College of Pharmacy (female campus), King Saud University.
- 2008-2011: Member of College of Pharmacy Academic Student Affair Unit, College of Pharmacy (female campus), King Saud University.
- 2008-2011: Member of lab supervising committee, Pharmaceutics department, College of Pharmacy (female campus), King Saud University.
- 2007- 2011: Member of the computer centre supervising committee, College of Pharmacy (female campus), King Saud University.

### ***Professional Membership***

- Saudi Pharmaceutical Society.

## Research interests

- Drug delivery nanotechnologies.
- Non-invasive drug delivery systems.
- Biopharmaceutical nanotechnologies.

## Publications

1. **Iman M. Alfagih**, Alanood Almurshedi, Basmah Aldosari, Bushra Al Quadeib, Enas Zakaria, Eram Eltahir and Khadij Alnakhli. 2022. Quality Assessment of Extemporaneously Compounded Carvedilol Oral Suspension for Pediatric Patients at the Hospital Pharmacy. *Journal of Pharmaceutical Research International*. 34(32A): 22-31.
2. Khaled Almansour, **Iman M. Alfagih**, Alhassan H. Aodah, Fawaz Alheibshy, Raisuddin Ali, Turki Al Hagbani and Mustafa M.A. Elsayed. 2022. Inhalable, Spray-dried Terbinafine Microparticles for Management of Pulmonary Fungal Infections: Optimization of the Excipient Composition and Selection of an Inhalation Device. *Pharmaceutics*. 14, 87.
3. Khaled Almansour, **Iman M. Alfagih**, Ahmed O. Shalash, Katrina Brockbank, Raisuddin Ali, Tim Freeman, Mustafa M.A. Elsayed. 2022. Insights into the potential of rheological measurements in development of dry powder inhalation formulations. *International Journal of Pharmaceutics*. 614, 121407.
4. **Iman M. Alfagih**, Lama S. Aljaliel . Preparation and Evaluation of Extemporaneously Compounded Aspirin Capsules from Crushed Aspirin Tablets. 2021. *Journal of Pharmaceutical Research International*. 33(32A): 221-228.
5. Bushra T. AlQuadeib, Nouf M Aloudah, Alanood S Almurshedi , **Iman M Alfagih**, Basmah N ALdosari , Adim S Almeleky, Nour M Almubyedh. Development and Validation of a Simple and Sensitive LC-MS/MS Method for Quantification of Metformin in Dried Blood Spot Its Application as an Indicator for Medication Adherence. 2021. *International Journal of General Medicine*. 14:3225-3233.
6. **Iman M. Alfagih**, Basmah Aldosari, Bushra AlQuadeib, Alanood Almurshedi and Murtaza Tambuwala. 2021. An Overview of nano delivery systems for targeting RNA interference-based therapy in ulcerative colitis. Review. *Current pharmaceutical design*. 27:2904-2914.
7. Basmah N. Aldosari, Alanood S. Almurshedi, **Iman M Alfagih**, Bushra AlQuadeib, Mohammad A Altamimi, Syed Sarim Imam, Afzal Hussain, Faleh Alqahtani, Ehab Alzait , Sultan Alshehri. Formulation of Gelucire®-Based Solid Dispersions of Atorvastatin Calcium: In Vitro Dissolution and In Vivo Bioavailability Study. *AAPS PharmSciTech*. 202; 22(5):161.
8. **Iman M. Alfagih**, Bushra AlQuadeib, Basmah Aldosari, Alanood Almurshedi, Mohamed M. Badran, Eram Eltahir and Khadij A. Alnakhli. 2021. Cubosomes Dispersions as Enhanced Indomethacin Oral Delivery Systems: In vitro and Stability Evaluation. *Journal of Pharmaceutical Research International*. 33(25A): 24-35.
9. Almurshedi AS, Aljunaidel HA, Alquadeib B, Aldosari BN, **Alfagih IM**, Almarshidy SS, Eltahir EKD, Mohamoud AZ. 2021. Development of Inhalable Nanostructured Lipid Carriers for Ciprofloxacin for Noncystic Fibrosis Bronchiectasis Treatment. *International Journal of Nanomedicine*. 16, 2405—2417.
10. **Iman M. Alfagih**, Kan Kaneko, Nitesh K. Kunda, Fars Alanazi, Sarah R. Dennison, Hesham M. Tawfeek and Imran Y. Saleem. 2021. In Vitro Characterization of Inhalable Cationic Hybrid Nanoparticles as Potential Vaccine Carriers. *Pharmaceutics*. 14, 164.
11. Basmah Aldosari, **Iman M. Alfagih** and Alanood Almurshedi. 2021. Lipid Nanoparticles as Delivery Systems for RNA-Based Vaccines. *Pharmaceutics*. 13, 45.
12. **Iman M. Alfagih**, Basmah Aldosari, Bushra AlQuadeib, Alanood Almurshedi and Mariyam M. Alfagih. 2020. Nanoparticles as Adjuvants and Nanodelivery Systems for mRNA-Based Vaccines. *Pharmaceutics*. 13, 45.
13. Khaled Almansoura, **Iman M. Alfagih**, Raisuddin Ali, Mustafa M.A. Elsayed. 2020. Inhalable microparticles containing terbinafine for management of pulmonary fungal infections:

Spray drying process engineering using lactose vs. mannitol as excipients. *Journal of Drug Delivery Science and Technology*. 60: 101991.

14. Bushra T. AlQuadeib, **Iman M. Alfagih**, Ameera H. Alnahdi, Shadia M. Alharbi and Rawan A. Al-ahmari. 2020. Medicine recalls in Saudi Arabia: a retrospective review of drug alerts (January 2010–January 2019). *Future Journal of Pharmaceutical Sciences*. 6: 91.

15. **Iman Alfagih**, Nitesh Kunda, Fares Alanazi, Sarah R. Dennison, Satyanarayana Somavarapu, Gillian A. Hutcheon, Imran Y. Saleem. 2015. Pulmonary Delivery of Proteins Using Nanocomposite Microcarriers. *Pharmaceutical Nanotechnol.* 104:4386–439.

16. Nitesh K Kunda, **Iman M Alfagih**, Eliane N Miyaji, Douglas B Figueiredo, Viviane M Gonçalves, Daniela M Ferreira, Sarah R Dennison, Satyanarayana Somavarapu, Gillian A Hutcheon, Imran Y Saleem. 2015. Pulmonary dry powder vaccine of pneumococcal antigen loaded nanoparticles. *International Journal of Pharmaceutics*. 495, 903-912.

16. Nitesh K Kunda, **Iman M Alfagih**, Sarah R Dennison, Satyanarayana Somavarapu, Zahra Merchant, Gillian A Hutcheon, Imran Y Saleem. 2015. Dry powder pulmonary delivery of cationic PGA-co-PDL nanoparticles with surface adsorbed model protein. *International Journal of Pharmaceutics*. 492, 213-222.

17. Nitesh K Kunda, **Iman M Alfagih**, Imran Y Saleem, Gillian A Hutcheon. Polymer-based Delivery Systems for the Pulmonary Delivery of Biopharmaceuticals. 2015. *Advances and Challenges in Pulmonary Drug Delivery*. 301.

18. N. Kunda, **I. Al-fagih**, F.K. Alanazi, G. Hutcheon and I. Saleem. Comparison of Encapsulated and Surface Adsorbed Protein onto Polymer-Based Nanoparticles for Pulmonary Vaccine Delivery. 42<sup>nd</sup> Controlled release society annual meeting and exposition. July 26 – 29, 2015. Edinburgh, Scotland, UK.

19. Nitesh Kunda, **Iman Alfagih**, Fars Alanazi, Gillian Hutcheon, Imran Saleem. Comparison of Protein Delivery via Nanocomposite Microcarriers for Pulmonary Vaccine Delivery. 2015 AAPS National Biotechnology Conference. June 8 – 10, 2015. San Francisco, USA.

20. **Alfagih IM**, Kunda NK, Alanzi FK, Hutcheon GA, Saleem IY. Cationic PGA-co-PDL nanocomposite microparticles for antigen delivery via inhalation. Drug Delivery to the Lungs - DDL25 : 10<sup>th</sup>–12<sup>th</sup> December 2014, Edinburgh, Scotland, UK.

21. **Alfagih IM**, Kunda NK, Alanzi FK, Hutcheon GA, Saleem IY. Pulmonary antigen delivery using surface modified PGA-co-PDL nanocomposite microparticles. 8th Vaccine & ISV Congress, 26-28 Oct 2014, Philadelphia, PA, USA.

22. Kunda NK, **Alfagih IM**, Dennison SR, Tawfeek HM, Somavarapu S, Hutcheon GA, Saleem IY. 2014. Bovine Serum Albumin Adsorbed PGA-co-PDL Nanocarriers for Vaccine Delivery via Dry Powder Inhalation. *Pharmaceutical Research*. 32, 1341-1353.

23. Merchant Z, Taylor K, Stapleton P, Razak S, Kunda N, **Alfagih I**, Sheikh K, Saleem I, Somavarapu S. 2014. Engineering hydrophobically modified chitosan for enhancing the dispersion of respirable microparticles of levofloxacin. *European Journal of Pharmaceutics and Biopharmaceutics*. 88, 816-829.

24. **Alfagih IM**, Kunda NK, Alanazi FK, Hutcheon G, Saleem I. Pulmonary Delivery of Model Antigen Using Chitosan Hydrochloride coated Nanoparticles-Microparticles via Dry Powder Inhaler. Formulation and Drug Delivery Group Meeting. Jun 5, 2014, Faculty of Science, Liverpool, UK.

25. **Alfagih IM**, Kunda NK, Alanazi FK, Hutcheon G, Saleem I. Effect of coating PGA-co-PDL Nanoparticles with Chitosan Hydrochloride on Particle Size and Zeta Potential. Faculty of Science postgraduate research seminar and poster day. Jun 12, 2014, Faculty of Science, Peter Jost Enterprise Centre, Liverpool, United Kingdom.

26. Kunda, N. K., **Alfagih, I. M.**, Somavarapu, S., Hutcheon, G. A., & Saleem, I. Y. (2013). Pulmonary Vaccine Delivery of Protein Adsorbed PGA-co-PDL Nanocomposite Microparticles. *Journal of aerosol medicine and pulmonary drug delivery*, 26 (5), A9.

27. **Alfagih IM**, Alanzi FK, Kunda NK, Hutcheon GA, Saleem IY. Optimization of PGA-co-PDL Nanocomposite Microparticles for Pulmonary Delivery. Formulation and Drug Delivery Group Meeting. July 2, 2013, Faculty of Science, Liverpool, United Kingdom.

28. **Alfagih IM**, Alanzi FK, Kunda NK, Hutcheon GA, Saleem IY. Protein loaded PGA-co-PDL Nanocomposite Microparticles via Dry Powder Inhaler. Faculty of Science postgraduate research seminar and poster day. Jun 12, 2013, Faculty of Science, Peter Jost Enterprise Centre, Liverpool, UK.
29. N K Kunda, **I M Alfagih**, S Somavarapu, G A Hutcheon, I Y Saleem. Pulmonary Vaccine Delivery of Protein Adsorbed PGA-co-PDL Nanocomposite Microparticles. Drug Delivery to the Lungs - DDL23 : 5<sup>th</sup> –7<sup>th</sup> December 2012, Edinburgh, Scotland, UK.
30. **Alfagih IM**, Alanzi FK, Kunda NK, Hutcheon GA, Saleem IY. Protein loaded PGA-co-PDL Nanocomposite Microparticles for Inhalation. Drug Delivery to the Lungs - DDL23 : 5<sup>th</sup> –7<sup>th</sup> December 2012, Edinburgh, Scotland, UK.
31. **Alfagih IM**, Alanzi FK, Satyanarayana S, Chavan T, Hutcheon GA, Saleem IY. PGA-co-PDL Nanocomposite Microparticles as Carriers of Protein for Pulmonary Delivery. 8th World Meeting on Pharmaceutics, Biopharmaceutics and Pharmaceutical Technology, 19<sup>th</sup>-21<sup>st</sup> March 2012, Istanbul, Turkey.
32. **Alfagih IM**, Alanzi FK, Hutcheon GA, Saleem IY. 2011. Recent Advances Using Supercritical Fluid Techniques for Pulmonary Administration of Macromolecules via Dry Powder Formulations. *Drug Delivery Letters*, vol. 1(2), 128-134.
33. Amal H. El-Kamel, **Iman M. AL-Fgih**, and Ibrahim A. Alsarra. 2008. Effect of sonophoresis and chemical enhancers on testosterone transdermal delivery from solid lipid microparticles. An *ex vivo* study. *Current drug delivery*, vol. 5, 20-26.
34. Amal H. El-Kamel, **Iman M. AL-Fgih**, and Ibrahim A. Alsarra. 2007. Testosterone solid lipid microparticles for transdermal drug delivery. Formulation and physicochemical characterization. *Journal of microencapsulation*, vol. 24 (5): 457-475.
35. Amal H. El-Kamel, **Iman M. AL-Fgih**, and Ibrahim A. Alsarra. Transdermal Delivery System of Testosterone Using Solid Lipid Particles. The 9th international Pharmaceutical Sciences Conference and Exhibition, 17-21 December 2005, Riyadh - College of Pharmacy, King Saud University, KSA.