

Muhammad Ijaz

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Executive Summary

Multidimensional experience and knowledge in pharmacy, pharmaceutical technology, polymers, thiomers, proteins and peptides delivery systems, self-nanoemulsifying drug delivery system and local mucosal drug delivery.

Self-motivated, willing to take challenging tasks, have strong communication skills; verbal and written. I am looking forward to start my career in academics and research.

Education

Ph.D. (2017)

(Pharmaceutical Technology)
Institute of Pharmacy, University of Innsbruck, Austria

M.Phil. (2010)

(Pharmaceutics)
The Islamia University of Bahawalpur, Punjab, Pakistan

B.Pharmacy (2006)

The Islamia University of Bahawalpur, Punjab, Pakistan

Experience

03-2013 – 01-2017	Research associate at the Institute of Pharmaceutical Technology, University of Innsbruck, Austria
06-2009 – 02-2013	School Health and Nutrition supervisor (BPS-17) at Punjab Health department, Punjab, Pakistan
06-2006 – 03-2008	Worked as Diabetes Educator and Pharma-Associate at Sanofi-Aventis Limited, Pakistan

Skills

Research

Co-Supervision
Project Writing
Experiment Designing
Lab. Animal Handling

Professional

Identifying key issues
Leadership skills
Team player
Information gathering

Personal

Listening skills
Conflict resolution
Communicating
Negotiating skill

Publications

(Current published impact factor **37.87**, in pipeline \approx 25)

2015

1. Synthesis and characterization of thiolated β -cyclodextrin as a novel mucoadhesive excipient for intra-oral drug delivery
Muhammad Ijaz, Barbara Matuszczak, Deni Rahmat, Arshad Mahmood, Sonja Bonengel, Shah Hussain, Christian W. Huck, Andreas Bernkop-Schnürch.
Carbohydrate Polymers (I.F: 4.07)
2. Pre-activated thiomers: their role in drug delivery
Muhammad Ijaz & Andreas Bernkop-Schnürch
Expert opinion on drug delivery (I.F: 5.43)
3. Can thiolation render a low molecular weight polymer of just 20-kDa mucoadhesive?
Arshad Mahmood, Sonja Bonengel, Flavia Laffleur, **Muhammad Ijaz**, Muneeb Ahmad Idrees, Shah Hussain, Christian W. Huck, Barbara Matuszczak, Andreas Bernkop-Schnürch
Drug Development and Industrial Pharmacy (I.F: 2.10)
4. An in-vitro exploration of permeation enhancement by novel polysulfonate thiomers
Arshad Mahmood, Sonja Bonengel, Flavia Laffleur, **Muhammad Ijaz**, Gintare Leonaviciute, Andreas Bernkop-Schnürch
International Journal of Pharmaceutics (I.F:3.99)

2016

5. Development of oral self nano-emulsifying delivery system(s) of lanreotide with improved stability against presystemic thiol-disulfide exchange reactions
Muhammad Ijaz, Sonja Bonengel, Ožbej Zupančič, Muhammad Yaqoob, Markus Hartl, Shah Hussain, Christian W. Huck and Andreas Bernkop-Schnürch.
Expert opinion on drug delivery (I.F: 5.43)
6. Thiolated cyclodextrin: Development of a mucoadhesive vaginal delivery system for acyclovir
Muhammad Ijaz, Julia Anita Griessinger, Arshad Mahmood, Flavia Laffleur, Andreas Bernkop-Schnürch.
Journal of Pharmaceutical Sciences (I.F:2.65)
7. Next generation of buccadhesive excipient: Pre-activated carboxymethyl cellulose
Flavia Laffleur, Lukas Bacher, Stefan Vanicek, Claudia Menzel, **Ijaz Muhammad**
International Journal of Pharmaceutics (I.F:3.99)
8. Thiolated α -cyclodextrin: The invisible choice to prolong ocular drug residence time
Muhammad Ijaz, Mahmood Ahmad, Naveed Akhtar, Flavia Laffleur, Andreas Bernkop-Schnürch.
Journal of Pharmaceutical Sciences (I.F:2.65)
9. Charge changing phosphorylated polymers: Proof of in situ mucoadhesive properties
Sonja Bonengel, Max Jelkmann, Oh Sejin, Arshad Mahmood, **Muhammad Ijaz**, Andreas Bernkop-Schnürch
European Journal of Pharmaceutics and Biopharmaceutics (I.F:3.98)
10. Thiolated polymers: Evaluation of their potential as dermo-adhesive excipients
Julia Anita Griebinger, Sonja Bonengel, Alexandra Partenhauser, **Muhammad Ijaz**, Andreas Bernkop-Schnürch
Drug Development and Industrial Pharmacy (I.F: 2.10)

11. Design and evaluation of buccal-adhesive system made of modified xanthan

Flavia Laffleur, M Michalek, Wong Suchaoain, **Muhammad. Ijaz**

Therapeutic Delivery (I.F: 1.38)

Oral Presentation

1. Synthesis and characterization of inclusion complex of Acyclovir with thiolated β -Cyclodextrin as mucoadhesive vaginal drug delivery system

Pharma Middle East November 02-04, 2015 Dubai, UAE

Poster Presentation

1. In vitro characterization of inclusion complex of acyclovir with thiolated β -cyclodextrin as mucoadhesive vaginal drug delivery system

7th Life Science Meeting 27 Feb, 2015 at CCB University of Innsbruck, Austria

2. Development and characterization of thiolated α -cyclodextrin as an ocular drug delivery system

6th Life Science Meeting March 3-4, 2016 held at Alpenhotel Speckbacher Hof Gnadewald, 6069 Austria

References

Univ.-Prof. Mag. Dr. Andreas.Bernkop-Schnürch

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