Ahmad Bani-Jaber, Ph.D.

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Personal Information

Name:	Ahmad Khaled Bani-Jaber
Date of Birth:	6, August, 1969
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Education

1992	**B.Sc. in Pharmacy** Faculty of Pharmacy, University of Jordan, Amman, 11942 Jordan
1999	**Ph.D. in Pharmaceutics,** *Thesis title:* " Development of compression-coated tablet formulations for amoxicillin and clavulanic acid and Efficacy of the antimicrobial peptide nisin in emulsifying oil-in-water " Oregon State University Corvallis, Oregon, 97331, USA Major: Pharmaceutics Advisors: James Ayres, Ph.D., and Joseph McGuire Ph.D.

Training and Working Experience

1992-1995	Teaching Assistant. Faculty of Pharmacy, University of Jordan, Amman, Jordan.
1995-1999	Ph.D. student. Department of Pharmaceutics, Oregon State University, USA.
Intern (1/98-7/98)	Sugen Inc., Southern San Francisco, California, USA. Formulator involved in the formulation of highly hydrophobic and unstable new class of anticancer drugs for IV administration. Exposed to all aspects of IV preformulation and formulation such as, solubility studies, pH solubility and stability studies, incompatibility among ingredients, stability studies for IV formulation and development of HPLC methods for stability analysis.
Intern (7-98-1/99)	OREAD, Palo-Alto, California, USA Formulator involved in formulation of oral immediate release tablet formulation for a new anticancer drug. Exposed to Roller-Compaction, wet granulation and direct compression methods, evaluation of granulation for compressibility, lubrication, and flow properties, ingredient incompatibilities and dissolution testing.

1999-2007	Assistant Professor. Department of Pharmaceutics and Pharmaceutical Technology, Faculty of Pharmacy, University of Jordan, Amman, Jordan.
2007-present	Associate Professor. Department of Pharmaceutics and Pharmaceutical Technology, Faculty of Pharmacy, University of Jordan, Amman, Jordan.

Publications

1. Multiple layer compression coated tablets: formulation and humidity studies of novel chewable amoxicillin/clavulanic acid tablet formulations. Jacqueline Wardrop, Ahmad Bani-Jaber, James Ayres. **Drug Development and Industrial Pharmacy**, 24(8), 729-739 (1998).

2. Efficacy of the antimicrobial peptide in emulsifying oil in water. Ahmad Bani-Jaber, J. McGuire, J. Ayres, and M, Daeschel. **Journal of Food Science**, 65 (3), 502-506 (2000).

3. Surface tension kinetics of β-casein and nisin at oil-water interface. Woo-Kul lee, Ahmad Bani-Jaber, J. McGuire, M, Daeschel, Hyun Jung. **K. J. Chem. Eng**., 17(2), 179-183 (2000).

4. Sustained release characteristics of tablets prepared with mixed matrix of sodium carrageenan and chitosan: Effect of polymer weight ratio, dissolution medium, and drug type. Ahmad Bani-Jaber, Mutasem Al-Ghazawi. **Drug Development and Industrial Pharmacy,** 31(3), 241-247 (2005).

05. Physicochemical studies on ciclopirox olamine complexes with divalent metal ions. Ruba T. Taeawnwh, Imad I. Hamdan, Ahmad Bani Jaber, Rula Darwish. **International Journal of Pharmaceutics**, 289, 179-187 (2004).

6. Improvement of the solubility and dissolution rate of the steroidal drug, mesterolone, using cyclodextrin complexation. Samer Odeh, Hassan Muti, Ahmad Bani-Jaber. **Jordan Medical Journal**, 39 (2), 117-129 (2005).

7. Sodium mefenamate as a solution for the formulation and dissolution problems of mefenamic acid. Ahmad Bani-Jaber, Imad Hamdan, Bashar Al-Khalidi. **Chemical and Pharmaceutical Bulletin,** 55(8), 1136-1140 (2007). .

8. The manufacture and characterization of casein films as novel tablet coatings. Abu Diak O, Bani-Jaber A, Amro B, Jones D, Andrews G.P. **Food and Bioproducts Processing**, 85(C3), 284-285 (2007).

9. Diclofenac-bismuth complex: synthesis, physicochemical, and biological evaluation. Abuznaid Mohammed, Sallam Al-Sayed, Hamdan Imad, Al-Hussaini Mayssa, Bani-Jaber Ahmad. **Drug development and industrial pharmacy**, 34(4), 434-444 (2008).

10. Investigation of Drug Polymer Interaction: Evaluation of Diclofenac-Chitosan Co-Precipitate. Ahmad Bani-Jaber, Deema Anani, Imad Hamdan, Bashar Al-Khalidi. **Jordan Journal of Pharmaceutical Sciences**, 2(2), 140-149 (2009).

11. Drug-Loaded Casein Beads: Influence of Different Metal-Types as Cross-Linkers and Oleic Acid as a Plasticizer on Some Properties of the Beads. Ahmad Bani-Jaber, Khaled Aideh, Imad Hamdan, Riyam Maraqa. **Journal of Drug Delivery Science and Technology**, 19(2), 125-131 (2009).

12. Development and Validation of a Stability Indicating Capillary Electrophoresis Method for the Determination of Metformin Hydrochloride in Tablets. Hamdan II, Bani Jaber AK, Abushoffa AM. **Journal of Pharmaceutical and Biomedical Analysis**, 53 (5), 1254-7 (2010).

13. Pharmaceutical Evaluation of some Metformin HCl products Available in the Jordanian Market. Imad Hamdan, Ahmed Bani-Jaber. **Jordan Journal of Pharmaceutical Sciences**, 3 (1), 1-7 (2010).

14. Prolonged Intragastric Drug Delivery Mediated by Eudragit E-Carrageenan Polyelectrolyte Matrix Tablets. Ahmad Bani-Jaber, Leena Al-Aani, Hatim AlKhatib and Bashar Al-Khalidi. **AAPS PharmSciTech**, 12(1), 354-61 (2011).

15. Floating and Sustained-Release Characteristics of Effervescent Tablets Prepared with a Mixed Matrix of Eudragit L-100-55 and Eudragit E PO. Ahmad Khaled Bani-Jaber, Mahmoud Yousef Alkawareek, Jozef Jawad Al-Gousous and Ahmad Yousef Abu Helwa. **Chemical & Pharmaceutical Bulletin**, 59 (2), 155-160 (2011).

16. The Synthesis and Characterization of Fatty Acid Salts of Chitosan as Novel Matrices for Prolonged Intragastric Drug-Delivery. Ahmad Bani-Jaber, Imad Hamdan, Mahmoud Alkawareek **Archives of Pharmacal Research**, 35 (7), 1159-68 (2012).

17. Effect of Licorice Extract on the Pharmacokinetics of Ciprofloxacin in Rabbits after Oral Administration Using an Improved High-performance Liquid Chromatography Assay. M. Al-Ghazawi, T. Aburjai, N. Shraim, A. Bani-Jaber, S. AbuRuz. **Jordan Journal of Pharmaceutical Sciences**, 5 (2), 120-130 (2012).

Supervision: M.Sc. Projects

1. Investigation of transdermal delivery of some diclofenac metal complexes.
Fawzi Al-Hindi, May, 2002.
2. Improvement of the solubility and dissolution rate of the steroidal drug, mesterolone, using cyclodextrin complexation.
Samer Odeh, May 2003.
3. Characterization of Diclofenac – Chitosan complex and its evaluation for sustained drug release.
Deema Al Anani, Dec. 2003.
4. Use of Casein as a Potential Film Former for Tablet Coating: Effect of Plasticizer Type and Concentration, and Coating Level
Osama Abu-Diak, may 2005
5. Investigation of diclofenac-bismuth complex as an oral suspension preparation.
Mohammed Hussein Abuznaid, August 2005.
6. Casein as a film former for drug microencapsulation: Effect of metal cross-linking and plasticization on casein-paracetamole bead properties.
Riyam Kefah Maraqa, Dec. 2006.
7. Characterization of Eudragit E: Carrageenan complex and its evaluation for sustained drug release.
Leena Al-aani, May, 2007.

Referee for manuscripts submitted to or published within

1. *Jordan Journal of Pharmaceutical Sciences*
2. Drug Development and Industrial Pharmacy
3. Journal of Drug Delivery Science and Technology
4. AAPS PharmSciTech

Teaching Experience

1. Industrial Pharmacy
2. Selected topics in Pharmaceutical Technology
3. Prescription Compounding
3. Physical Pharmacy
4. Drug delivery and Dosage Form Formulation
5. Seminar in Pharmaceutics and Pharmaceutical Technology

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