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Ahmed Khamies Mohammed

Present job:

- Associate professor of pharmaceuticals and industrial pharmacy, Department of pharmaceuticals, Faculty of Pharmacy, Beni-Suef University, Beni-Suef, Egypt.
- It is worth to mention that my area of specialty is "*Formulation and pharmacokinetic evaluation of new dosage forms for improvement of their bioavailability*" and I am hoping to learn more advanced techniques in this field.

Qualifications and Education:

- 1- Academic Degree: Bachelor of pharmaceutical science, Faculty of pharmacy, Cairo University, Graduate grade:*Excellent*, Year of Graduation: May 1999.
- 2- Master Degree: Master of pharmaceuticals and industrial pharmacy, Faculty of pharmacy, Cairo University, Year of Graduation: 2004.
- 3- Doctor Degree: Doctor of Philosophy of pharmaceuticals and industrial pharmacy, Faculty of pharmacy, Cairo University, Year of Graduation: 2007.

Work Experience and Academic career history

Work as:

- Demonstrator of pharmaceuticals and industrial pharmacy, faculty of pharmacy, Beni-Suef University (December, 2000 – December, 2004).
- Demonstrator of pharmaceuticals and industrial pharmacy, faculty of pharmacy, October 6th University (December, 2000–May, 2001).
- Lecturer of pharmaceuticals and industrial pharmacy, faculty of pharmacy, Beni-Suef University (January, 2004 – December, 2007).
- Assistant professor of pharmaceuticals and industrial pharmacy, faculty of pharmacy Beni-suef University (January 2008 till now).
- Assistant professor of pharmaceuticals and industrial pharmacy, faculty of pharmacy, El Nahda University. (November, 2008 – August, 2009).
- Assistant professor of pharmaceuticals and industrial pharmacy, faculty of pharmacy, Future University. (October, 2009 – August, 2010).
- Assistant professor of pharmaceuticals and industrial pharmacy, faculty of pharmacy, Omar el Mukhtar University, Libya. (October 2010 – March, 2011).

- Assistant professor of pharmaceuticals and industrial pharmacy, faculty of pharmacy, Taif University, KSA. (September, 2011 till now).

Experience in:

- 1- Practical teaching of solid, semisolid and liquid dosage forms for students of different universities (Cairo, Beni-suef, Oct.6th, El Nahda, Omar el Mukhtar, and Taif)
- 2- Preparation of different educational pharmaceutical courses. (I shared preparation of the following theoretical and practical hand-outs and notes in my faculty titled as, Physical pharmacy, Dosage forms (I, II), Sterile products and Aerosols, Pharmacokinetics and Biopharmaceutics, Community pharmacy, Quality assurance and Quality control).
- 3- HPLC, DSC, IR, Zeta sizer, AFM analysis and other instruments
- 4- Laser pharmaceutical applications. (Sharing work with laser research institute staff.)
- 5- Formulation of different dosage forms
- 6- ISO programming and auditing (teach and participate)
- 7- Quality assurance and quality control program (teach and participate)

Course work:

- 1- Pharmacy orientation (Beni-Suef University), Academic Year 2008/2009 and 2009/2010.
- 2- Biopharmaceutics and Pharmacokinetics (Beni-Suef University), Academic Year 2008/2009 and 2009/2010.
- 3- Quality control and GMP (Beni-Suef University), Academic Year 2008/2009 and 2009/2010.
- 4- Physical pharmacy (Beni-Suef University), Academic Year 2008/2009 and 2009/2010. (Nahda University, Egypt), 2009/2010, and (Omar el Mukhtar University, Libya), 2011.
- 5- Industrial Pharmacy, (Beni-Suef University), Academic Year 2008/2009 and 2009/2010.
- 6- Preformulation of Solid dosage Forms and Advanced Drug Delivery (Beni-Suef University), Academic Year 2008/2009 and 2009/2010.
- 7- Dosage forms I, Liquid dosage forms, (Beni-Suef University), academic Year 2008/2009 and 2009/2010, and (Omar el Mukhtar University, Libya), 2011.
- 8- Dosage forms II, Solid and semisolid dosage forms, (Beni-Suef University,), Academic Year 2008/2009, (Omar el Mukhtar University, Libya), 2011
- 9- Sterile dosage forms, (Bani-Suief University, Bani-Suief, Egypt), Academic Year 2008/2009.
- 10- Sharing (preparation and education) in clinical pharmacy program in faculty of pharmacy, Bani-Suief University. (From 2006 till 2011).
- 11- OTC drugs and Community pharmacy, (Beni-Suef University), Academic Year 2008/2009, and (Future University, Egypt). 2008/2009.
- 12- Hospital pharmacy, (Beni-suef University), Academic Year 2008/2009.
- 13- Kinetics and stability studies, (Beni-Suef University), Academic Year 2008/2009.
- 14- Physical pharmacy and Dosage form I (Taif University, KSA), 2011 - 2013.
- 15- Pharmaceutical calculations, (Taif University, KSA), Academic Year 2013/2014

Fields of Research and Routine Work

- Formulation and compatibility study of per-oral solid dosage forms.
- Bioavailability and Bioequivalence studies.
- Ocular drug delivery.
- Photostability studies of drug formulations.
- Sustained and modified release drug formulation.
- Pharmaceutical applications of new polymers.
- Modern applications of nanotechnology in drug delivery

Funded research projects:

- “A pharmaceutical study for the preparation, characterization and in vitro/vivo evaluation of nebulized sildenafil loaded solid lipid nanoparticles”. Grant of (110,000SR) from Deanship of Graduate Studies and Research, University of Taif, KSA. **2012-2013**.
- “A pharmaceutical study for the preparation and in-vitro/vivo evaluation of alkyl amide alginate based beads of calcium containing antidiabetic drug”. Submitted to Deanship of Graduate Studies and Research, University of Taif, KSA. **2013 - 2014**.
- “Nebulized sildenafil loaded nanoparticles: A novel dosage form to prevent hypoxic *high altitude* -induced pulmonary hypertension and edema.” Submitted to **High Altitude research center (HARC), Taif University, KSA, 2013**.

Scientific research Activities:

Supervisor on the following thesis

- Master thesis: “*Formulation and evaluation of ocular drug delivery systems of certain anti-inflammatory drugs*”.
- Master thesis: “*Role of statins in treatment of COPD (Chronic Obstructive Pulmonary Disease)*”.
- Master thesis: “*Formulation and evaluation of ocular drug delivery systems of certain antibiotic drugs*”.
- Master thesis: “*A Pharmaceutical study on Formulation and Evaluation of Amoxicillin Trihydrate Rapidly Disintegrating Tablets*”
- Master thesis: “*A clinical study comparing leflunomide therapy versus methotrexate plus leflunomide in patients with rheumatoid arthritis in Egypt*”
- Master thesis: “*Sildenafil citrate therapy for secondary pulmonary hypertension*”
- Master thesis: “*Role of Piracetam in treatment of sickle cell anemia*”
- Master thesis: “*The effect of different antipyretic drugs in breaking down fever in children*”
- Master thesis: “*Bioequivalent study of the efficacy of different regimens of triple therapy for treatment of gastric ulcer and duodenal ulcer due to helicobacter pylori*”

- Master thesis: "*Efficacy and toxicity of one versus twice daily regimens of amikacin in febrile neurogenic pediatric cancer patients*"
- Doctor of philosophy thesis: "*Formulation and evaluation of certain analgesic antipyretic chewable tablets suitable for administration of children*"

General activities:

- Honor to be elected as *Beni-suef Pharmacist of the year*; "The Pharmacist Day Conference", January 2010.
- Supervisor and formulator in R&D in sharing work with some pharmaceutical companies like (E.P.C.I, General technology Co.

Languages:

English: Very Good "reading, speaking, understanding"
Arabic: Mother tongue.
French: Fair.

Personal Qualities :

- Creative and able to accept risk.
- Enjoy working in a team, playing active role in it.
- Ambitious, with good communication skills.
- Sociable, faithful, responsible and hard worker.
- Able to learn new skills.

Personal information

- Nationality: Egyptian.
- Military State: Completed.
- Martial State: Married.
- Date of Birth: 17/1/1977

Memberships and activities:

- **1999**: Egyptian Syndicate of Pharmacists, Member
- **1999**: Beni-Suef Syndicate of Pharmacists, Member

Conference and Workshop Attendance

- 1- "*The 30th International Conference of Pharmaceutical Society of Egypt*", 19-21 December **2006**. Cairo, Egypt.
- 2- "*The 31th International Conference of Pharmaceutical Society of Egypt*", 23-25 December **2007**. Cairo, Egypt.

- 3- "*The 1st Workshop of Medicinal Plants*"; Omar el Mukhtar University, El Baida, **Libya**. 12-14 February, **2011**. **Oral presentation**.
- 4- "*Innovation in Teaching Health Sciences: From Words to Action*". College of pharmacy, Taif University in collaboration with College of Education, Purdue University, **USA**, March **2012**.
- 5- "*Quality Requirements in E-Learning and Learning Management Systems*". **British council**& Taif University, **KSA**, March **2012**.
- 6- "*Key Performance Indicators (KPIs) and Benchmarks*". National Commission for Academic Accreditation and Assessment (**NCAAA**), Taif University, **KSA**, May **2012**.
- 7- "*How to Write & Publish a Scientific Paper*". The Staff Development Committee, College of pharmacy, Taif University, **KSA**, December **2012**.
- 8- Up To Date Demonstration & Skills Training. Taif University, **KSA**, December **2012**.

Published Papers

- 1- A.A., Abd-El Barry, A.M.A. Makky, Ahmed Khames. Preformulation and Compatibility Study of Amlodipine Besylate with commonly used Tablet and Capsules Excipients. *Egypt. J. Biomed. Sci.* 2004; (7) 15:120 - 132.
- 2- Ahmed A. El Barry, Iman I. Soliman, Ahmed Khames. Improvement of Water Miscibility of Phytomenadione. The 30th International Conference of Pharmaceutical Society of Egypt, 19-21 December 2006.
- 3- Abd El Barry A, Ahmed Khames, El Kady Sh., Helmy A. Preparation and In-Vitro Evaluation of Ibuprofen Palatable Chewable Tablets. The 5th International Conference of Pharmaceutical Industries Research Division, National Research Centre. Cairo, 8-10 March 2011.
- 4- Randa Zaki¹, Khaled M. Hosny¹, Ahmed Khames^{1, 2*}, Ahmed Abd-elbary³. Ketorolac Tromethamine *In-situ* Ocular Hydro Gel; Preparation, Characterization, and *In-vivo* Evaluation. *International Journal of Drug Delivery*. 2011; 3: 535-545.
- 5- Amr Helmy¹, Sherien El Kady², Ahmed Khames^{1, 3*}, Ahmed Abd-elbary⁴. Preparation, Characterization, and *In-vitro/vivo* Evaluation of Indion-based Chewable Tablets of Paracetamol and Ibuprofen for Pediatric Use. *Journal of American Science* 2011; 7(12):831-844.
- 6- Hayam M. A. Mostafa, Saadia A. Tayel, Mohamed E. Abdelrahim, Ahmed Khamees, Mohamed A. El Maraghy, Mohamed H. Meabed. The Role of Piracetam in Treatment of Sick Cell Anemia. *National Journal of Physiology, Pharmacy & Pharmacology*. 2012; 2 (1):58 – 65.
- 7- Hanan Taha, Ahmed Mohsen, Mohamed Abdelrahim, Ahmed Khamis. Comparative Study of Combination of Leflunomide and Methotrexate vs. Monotherapy of either Leflunomide, or

Methotrexate in Rheumatoid Arthritis. Beni-Suef University Journal of Applied Sciences, 2012; 1(2): 58-68

8- Mahmoud S. Moetemed, Mohamed E. Abdelrahim, Ahmed Khames, Khalid A. El-Khashab. Safety of High dose of Sildenafil citrate therapy for secondary pulmonary hypertension. National Journal of Physiology, Pharmacy & Pharmacology. Accepted and under publication.

9- Amr Helmy¹, Ahmed Khames^{2,3*}, Ahmed Abd-elbary⁴. Effect of Indion Complexation on the Stability and Bioavailability of Some Non-steroidal Anti-inflammatory Drugs. International Journal of Drug Delivery. 2012; 4: 198-208.

10- Ahmed khames. Liquisolid technique: a promising alternative to conventional coating for improvement of Photostability in solid dosage forms. Expert Opin Drug Deliv. 2013; 10(10):1335-43.

11- Khaled M Hosny, Ahmed Khames, Seham S Abd Elhady. Preparation and Evaluation of Orodispersible Tablets Containing Hydroxylbutyl- β -Cyclodextrin-Simvastatin Solid Dispersion. Trop J Pharm Res., 2013;12 (4): 469-476

12- Ahmed Khames, Ahmed H. Abdelazeem, Maha Habash, Mutasem O. Taha. Preparation and in vitro characterization of glibenclamide-loaded alginate hexyl-amide beads: a novel drug delivery system to improve the dissolution rate. Pharm Dev. Technol., Early Online: 1–10.

13- Amr Helmy, Ahmed Khames, Ahmed Abd-elbary. Development and validation of stability indicating HPLC methods for estimation of paracetamol and ibuprofen in solid dosage forms. International Journal of Drug Delivery. Under publication.

14- Ahmed Khames. Modification of the Release Properties of Lornoxicam Gastroretentive Floating Tablets with the Naturally Occurring Okra Mucilage, Life sci. j.2013; 10(3):2510-2519.

15- Naglaa A. Elmaghraby, Ahmed Khames, Mohamed H. Meabed, Mohamed A. Elmaraghy. Comparison the Antipyretic Effect of Paracetamol, Metamizole Sodium and Diclofenac Potassium in Breaking down Fever in Children. Journal of American Science. 2014;10(09):253-257.

16- Nahla Sameh, Ahmed Khames, Sadia A. Tayel. Formulation and Evaluation of Palatable Orodispersible Tablets of Amoxicillin Trihydrate Suitable for Pediatric Use. Journal of American Science. 2014;10(10):222-229.

17- Abdelwahab H, Ahmed Khames, Salah R and Aboseif M. Role of Statin Therapy as Anti-inflammatory in Chronic Obstructive Pulmonary Disease (COPD) Patients. Journal of American Science. 2015;11(1):130-135.