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Curriculum Vitae

Personal information

Name: Ahmed Mohamed Atef Mohamed Donia
Birth date: May 1st 1972.
Address: Department of Pharmaceutical Technology, Faculty of Pharmacy,
Menoufia University, Egypt
e-mail: ah_donia2010@yahoo.com and ahmed.donia@pharm.tanta.edu.eg
Cell phone: 01001768707 (mobile)

Degrees Obtained

May 31th 2011: Doctor of Philosophy in Pharmaceutical Sciences (Pharmaceutical Technology), from the Faculty of Pharmacy, Tanta University, Egypt.
February 27th 2005: Master degree of Pharmaceutical Sciences (Pharmaceutical Technology), from the Faculty of Pharmacy, Tanta University, Egypt.
May 1995: Bachelor degree of Pharmaceutical Sciences (very good with honor degree and ranking the second) from the Faculty of Pharmacy, Tanta University, Egypt.

Employment Record

December 6th 1996- March 25th 2005: Instructor at the Department of Pharmaceutical Technology, Faculty of Pharmacy, Tanta University, Tanta, Egypt
March 26th 2005- June 28th 2011: Assistant Lecturer at the Department of Pharmaceutical Technology, Faculty of Pharmacy, Tanta University, Tanta, Egypt
June 29th 2011- September 24^h2018: Lecturer at the Department of Pharmaceutical Technology, Faculty of Pharmacy, Tanta University, Tanta, Egypt.
September 25th2018 – present: Associate Professor at the Department of Pharmaceutical Technology, Faculty of Pharmacy, Menoufia University, Egypt

Teaching Experience and Teaching-Related Activities

- Contribution to the preparation, teaching and assessment (both oral and written examinations) of several courses (e.g., Pharmaceutics, Physical Pharmacy, Pharmaceutical formulation, Biopharmaceutics, Industrial Pharmacy, Pharmacy Legislation and GMP) to undergraduate pharmacy students as well as clinical pharmacy students at the Faculty of Pharmacy, Tanta University, Egypt.
- Supervising laboratory sessions to undergraduate pharmacy students as well as clinical pharmacy students at the Faculty of Pharmacy, Tanta University, Egypt.
- Contribution to the preparation, teaching and assessment (both oral and written examinations) of several courses for postgraduate students e.g: Advanced Pharmaceutical Engineering, Advanced

Pharmacokinetics and Experimental Design) and supervising seminars to postgraduate pharmacy students affiliated to Pharmaceutical Technology Departments at the Faculty of Pharmacy, Tanta University.

- Contribution to the preparation, teaching and assessment (both oral and written examinations) of several courses (e.g., Pharmaceutics, Physical Pharmacy, Pharmaceutical formulation, Biopharmaceutics, Industrial Pharmacy, and GMP) to undergraduate pharmacy students at Faculty of Pharmacy, (Kafer El Shiekh, Damanhour and El Menoufia) Universities, Egypt.
- External examiner for the undergraduate courses of Pharmaceutical Technology at the Faculties of Pharmacy of several Egyptian government and private universities.

Administrative Positions

- Vice dean for community service and environmental development (October 2018- present)
- Secretary of the council of the Faculty of Pharmacy (September 2017- July 2018).
- Member of the undergraduate student affairs committee (September 2011-August 2015).
- Member of the library committee (September 2015-August 2017).
- Member of the council of the Department of Pharmaceutical Technology (from June 29th 2011).
- Member of postgraduate studies committee (2014-2017)

Research interests and experience

Pharmaceutical formulation including solid dispersion – microemulsion – microsphere gastroretentive tablets- vesicular system as neosomes. Drug targeting for colonic delivery and intestinal delivery (using enteric coated formulae) - drug stability – pharmacokinetics and biopharmaceutics including bioavailability studies, bioequivalence, absorption, distribution and drug elimination – in vitro and in vivo correlation, drug determination using HPLC methods and their validation in vivo studies using experimental animal, studying physicochemical properties of used drug including solubility, stability, release kinetics. My list of publications outlined hereafter provides a detailed description of the aforementioned research experience and interests.

Publications List

- 1) Ismail A. Attia, Sanaa A. El-Gizawy, Medhat A. Fouda and **Ahmed M. Donia** (2007): Influence of a niosomal formulation on the oral bioavailability of acyclovir in rabbits. AAPS PharmSciTech 8(4):206-212.
- 2) Sanaa A. El-Gizawy, Esmat E. Zein El Din, **Ahmed A. Donia** and H. A. Yassin (2014): Formulation, in-vitro and in vivo evaluation of ketorolac tromethamine controlled release drug delivery system. WJPS 2(8):793-806.

- 3) Manal A. Gaheen, Ahmed M. Donia, Sayed Rakha (2014): Effect of vaginal suppositories composed of peppermint oil and sugar on candidiasis among pregnant women. *Inter. J. Cur. Res.* 6(10):9287-9297.
- 4) Asaad F. Hassan, Sally A. Helmy and Ahmed M. Donia (2015): MCM-41 for meloxicam dissolution improvement: in vitro release and in vivo bioavailability studies. *J. Braz. Chem. Soc.* 26(7):1367-1378.
- 5) Omar Y. Mady and Ahmed A. Donia (2015): new mathematic method for calculation of peppas-sahlin model constants and interpret the results in relation to zero order, Higuchi, Korsmeyer-peppas models and microcapsule structure image. *WJPR.* 4(8): 2199-2246
- 6) Khaled S. Abdelkawy, Ahmed M. Donia, Mahmoud S. Abdallah (2015): Pharmacokinetics interaction of dapoxetine with different doses of green tea extract in male healthy volunteers using midazolam as CYP3A4 enzyme probe. *J. Applied Pharma. Sci.* 5(12): 001-007.
- 7) Khaled S. Abdlekawy, Ahmed M. Donia, Fawzy Elbarbry (2016): Effects of grapefruit and pomegranate juices on the pharmacokinetic properties of dapoxetine and midazolam in healthy subjects. *Eur J Drug Metab Pharmacokinet.* 42(3): 397-405
- 8) Khaled S. Abdlekawy, Ahmed M. Donia, Turner R. Brigg, Fawzy Elbarbry (2016): Effects of lemon and seville orange juices on the pharmacokinetic properties of sildenafil in healthy subjects. *Drugs R D.* 16(3): 271-278.
- 9) Ebtessam A Essa, Amira Elmarakby, Ahmed M. Donia, Gamal M. El Maghraby (2017): Controlled precipitation for enhanced dissolution rate of flurbiprofen: development of rapidly disintegrating tablets. *Drug Dev Ind Pharm.* 43(9):1430-1439.
- 10) Nourhan F. El Nashar, Ahmed M. Donia, Omar Y. Mady, Gamal M. El Maghraby (2018) Formulation of clarithromycin floating microspheres for eradication of *Helicobacter pylori*. *J. Drug Delv. Sci.Tech*,41:213-221.
- 11) Omar Y.Mady, Ahmed A.Donia, Lamiaa A. Al madboly (2018): Miconazole-Urea in a Buccal Film as a New Trend for Treatment of Resistant Mouth Fungal White Patches. *Front Microbiol.* 9:837.

Supervision of Thesis

1- Supervisor of five master students at Faculty of Pharmacy, Tanta University, Tanta, Egypt.

(Had Master Degree)

2- Supervisor of twelve master students at Faculty of Pharmacy, Tanta University, Tanta, Egypt.

(For Master Degree)

Conferences and Scientific Meetings Attended

1- The 8th International Pharmaceutical Sciences Conference, Faculty of Pharmacy, Assiut University (14-15 March 2012), sharing by two posters.

2- The 3rd Annual International Conferences on Pharmaceutical Sciences Athens, Greece (2-5 May 2016) by oral presentations: Lipid based matrices as colonic drug delivery system for diflunisal (in-vitro, in-vivo study).

3- The 31st annual congress of the Faculty of Medicine, Tanta University, Egypt. (1-4 March, 2016).

Training Courses Attended

1- **Student Assessment and Evaluation** (October 27th-29th, 2015), held at the International Center for Faculty and Leadership Development, Tanta University.

2- **Effective Presentation** (November 3th-5th, 2015), held at the International Center for Faculty and Leadership Development, Tanta University.

3- **Credit Hour System** (November 7th-9th, 2015), held at the International Center for Faculty and Leadership Development, Tanta University.

4- **Strategic Planning** (November 14th-16th, 2015), held at the International Center for Faculty and Leadership Development, Tanta University.

5- **How to Compete for a Research Fund** (November 21th-23th, 2015), held at the International Center for Faculty and Leadership Development, Tanta University.

6- **Legal and Financial Aspects in University Environment** (December 5th-7th, 2015), held at the International Center for Faculty and Leadership Development, Tanta University.

Membership of Academic Societies

- Member of the Egyptian Pharmaceutical Society (1997-Present).

- Member of Institute for Education and Research (ANITER).