

Arab Republic of Egypt
Ministry of Higher Education
Beni-Suef University -Faculty of
Pharmacy



جمهورية مصر العربية
وزارة التعليم العالي
جامعة بني سويف -كلية الصيدلة

**Curriculum Vitae for associate professor:
Ahmed Mahmoud Abdelhaleem Ali**



work:

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Beni-suef University webpage:

<http://www.bsu.edu.eg/prof.aspx?profid=281>

Taif University webpage:

<http://faculty.tu.edu.sa/phar/amali/Pages/default.aspx>

Qualification:

Ph.D. in Pharmaceutics (Computer-Aided Design and Processing of Encapsulated Pellets)	University of Bradford, UK	2009
MSc. in Pharmaceutical Sciences (formulation and availability of anti-inflammatory drug from thermo-reversible gels)	Cairo University, Egypt	2004
BSc. in Pharmaceutical sciences	Cairo University, Egypt	1999

Professional Experience:

<i>Role</i>	<i>Organization</i>	<i>Date</i>
Associate Professor of Pharmaceutics	Taif University, KSA	2014-Current
Assistant Professor of Pharmaceutics,	Beni-Suef University, Egypt	2009-2014
Demonstrator in the school of pharmacy	Bradford University, UK	2006 – 2009
Invigilator	Bradford University, UK	2006 – 2009
Assistant Lecturer	Beni-Suef University, Egypt	2004 – 2006
Demonstrator in dep. Of pharmaceutics	Beni-Suef University, Egypt	2000 – 2004
Pharmacist in Public pharmacies	Cairo, Egypt	2001 – 2004
Pharmacist in Military Hospitals	Cairo, Egypt	2000 – 2001

Teaching Experience:

<i>Course</i>	<i>Year</i>	<i>University</i>
1- <u>Quality control, Pharm. Calculation</u>	4 th year	Taif university, KSA
2- <u>Pharmaceutical dosage form-I</u>	1 st year clinical pharmacy	Beni suef University
3- <u>Physical pharmacy</u>	2 nd year clinical pharmacy	Taif university, KSA
4- <u>Radiopharmaceuticals</u>	3 rd year pharmacy	Beni suef University
5- <u>Pharmaceutical dosage form-III</u>	2 nd year pharmacy	Taif university, KSA
6- <u>Pharmaceutical dosage form-II</u>	4 th year clinical pharmacy	Beni suef university
7- <u>Biopharmaceutics and pharmacokinetics</u>	4 th year pharmacy	Taif university, KSA
8- <u>Advanced drug delivery</u>		
9- <u>Industrial Pharmacy</u>		

Training courses and workshops:

No.	Workshop/Course	Organization	Date
	The Academic Assessment Workshop	The college of medicine – Taif university in collaboration with the University of Illinois at Chicago, USA	28-29 Nov. 2017
1	Design and development of Academic programs	British Higher Education Academy & Taif University, KSA	April, 2017
2	Quality assurance and Accreditation of programs workshop	NCAAA, workshop at Taif University, KSA	March, 2016
3	NCAAA, Program LOs-workshop at Taif University, KSA	NCAAA, Visit at Taif University, KSA	May, 2014
4	Exam systems and student Evaluation	Faculty leadership development centre, BSU, EG	Sept. 2013
5	External Audit of Higher Education Institutions	National Agency for Quality Assurance and Accreditation of Education (NAQAAE, Eg)	Jan. 2013
6	Planning of curricula and Courses learning outcomes	National Agency for Quality Assurance and Accreditation of Education (NAQAAE, Eg)	Sept. 2012
7	Self-evaluation for higher education institutions	National Agency for Quality Assurance and Accreditation of Education (NAQAAE, Eg)	Feb. 2012
8	Administration of research team	Faculty leadership development centre, BSU, EG	May, 2009

Memberships, Projects and Awards:

- Director of the Development and Academic Accreditation Committee, College of Pharmacy, Taif University from 2017 until now.
- Taif University Research Deanship Funded Project No. 1-437-4998: Title: Long acting glucosamine-paracetamol spray-dried coamorphous dispersions with maximized dissolution rate and decreased biotransformation, September 2016
- Beni-suef University Award for encouraging young researchers, 2012
- Member of the American association of pharmaceutical scientists (AAPS), 06/2007-07/2008 and 03/2011-03/2012

- Member of the Institute of pharmaceutical Innovation, at Bradford University in UK, 2006-2009
- Member of the Egyptian Universities association since 2009
- Member of the Egyptian syndicate of pharmacists since 1999

Pharmaceutical research experience and interests:

1. Research Interest:

- Modelling and optimization of solid and liquid Dosage forms using recent modelling and optimization software programs
- modelling and optimization of critical formulations such as nano-suspensions, niosomes, liposomes as well as nanoparticles for oral, pulmonary and parenteral delivery
- Design, characterization and evaluation of coamorphous dispersions using freeze and spray drying

2. **Having experience on many pharmaceutical formulation and characterization equipment:** such as: Mixer Torque Rheometer, Alexanderwerk and Caleva Extruders, Caleva Spheronizer, Helium Pycnometer, InCap benchtop capsule filling machine, Scanning Electron Microscopy (SEM), Differential Scanning Calorimetry (DSC), High Performance Liquid Chromatography (HPLC) and Malvern® Zeta Sizer

3. **Experience in modelling and particle characterization Software programs:**

- Scion Image analysis (Scion Corp. Ltd. US) for measuring the dimensions of pharmaceutical pellets.
- MacroPac (particle packing simulation software) (Intelligensys Ltd. UK).
- ShapeBuilder (particle design software) (Intelligensys Ltd. UK).
- FormRules (Data mining software program used for generating rules controlling experimental formulation).
- INForm (Data mining software program used for predicting and optimising intelligent pharmaceutical formulations). A single user license is available.
- Statistical package, SPSS.

Reviewer at the following Journals

- Pharmaceutical Development and Technology, Taylor and Francis
- Journal of Pharmaceutical Innovation, Springer
- Journal of Drug delivery science and technology, Science Direct
- International Journal of Biological Macromolecules, Elsevier
- Beni-Suef University Journal of basic and Applied Sciences, Elsevier

Publications:

1. Ali, Ahmed Mahmoud Abdelhaleem, Ahmed Khames, Majed Mansour Alrobaian, Mohammad Hamaidi, and Mohammed AS Abourehab. "Glucosamine-paracetamol spray-dried solid dispersions with maximized intrinsic dissolution rate, bioavailability and decreased levels of in vivo toxic metabolites." **Drug design, development and therapy 12 (2018): 3071.**
2. Ahmed Ibrahim El-Batal, Shahira F Elmenshawi, Ahmed M Abdelhaleem Ali, Enas Goodha Eldbaiky. Preparation and Characterization of Silymarin Nanocrystals and Phytosomes with Investigation of their Stability using Gamma Irradiation. **Indian Journal of Pharmaceutical Education and Research. (2018) Vol. 52(4) suppl.2. S174-S183.**
3. Haitham Saeed, Ahmed M.A. Ali, Ahmed A. Elberrye, Abeer Salah Eldin, Hoda Rabeaa and Mohamed E.A. Abdelrahim. Modeling and optimization of nebulizers' performance in non-invasive ventilation using different fill volumes: Comparative study between vibrating mesh and jet nebulizers. **Pulmonary Pharmacology & Therapeutics: 50 (2018) 62-71.**
4. Al-Remawi, Mayyas, Ahmed Mahmoud Abdelhaleem Ali, Ahmed Khames, and Mohammad Hamaidi. "*Meloxicam-Paracetamol Binary Solid Dispersion Systems with Enhanced Solubility and Dissolution Rate: Preparation, Characterization, and In Vivo Evaluation.*" **Journal of Pharmaceutical Innovation 12, no. 3 (2017): 206-215.**
5. Hoda Rabea, Ahmed M.A. Ali, Randa Salah Eldin, Maha M Abdelrahman, Amira S.A. Said, Mohamed E. Abdelrahim. Modelling of in-vitro and in-vivo performance of aerosol emitted from different vibrating mesh nebulisers in non-invasive ventilation circuit. **Eur. J. Pharmaceutical Sciences (2017) vol. 97, p. 182–191.**
6. Mohammed H. Elkomy, Shahira F. El Menshawe, Hussein M. Eid, Ahmed M.A. Ali. Development of a Nanogel Formulation for Transdermal Delivery of Tenoxicam: A Pharmacokinetic-Pharmacodynamic Modeling Approach for Quantitative Prediction of Skin Absorption. **Drug Development and Industrial Pharmacy. (2017) 43(4), pp. 531-544.**

7. Ahmed M. Abdelhaleem Ali and Mayyas Mohamed Ahmed Al-Remawi. Freeze Dried Quetiapine-Nicotinamide Binary Solid Dispersions: *A New Strategy for Improving Physicochemical Properties and Ex Vivo Diffusion*," **Journal of Pharmaceutics**, vol. **2016**, Article ID **2126056**, 11 pages, 2016. doi:10.1155/2016/2126056.
8. Mohammed H. Elkomy, Shahira F. El Menshawe, Hussein M. Eid, Ahmed M.A. Al. Topical Ketoprofen Nanogel: *Artificial Neural Network Optimization, Clustered Bootstrap Validation, and In-vivo Activity Evaluation Based on Longitudinal Dose Response Modeling*. **Drug Delivery**. **03 May 2016**. Doi: **10.1080/10717544.2016.1176086**
9. Ahmed Abdelbary , Heba F Salem, Rasha A. Khallaf & Ahmed M. A. Ali. *Mucoadhesive niosomal in-situ gel for ocular tissue targeting: In-vitro and in-vivo evaluation of lomefloxacin hydrochloride*. **Pharm. Develop. Technol.** **Aug. 2016**: <http://dx.doi.org/10.1080/10837450.2016.1219916>
10. Eman M Maher, Ahmed M Abdelhaleem, Heba F Salem, Ahmed A Abdelrahman . *In vitro/in vivo evaluation of an optimized fast dissolving oral film containing olanzapine co-amorphous dispersion with selected carboxylic acids*. **Drug delivery**. **2016**
11. Ahmed M. Abdelhaleem Ali, Adel A. Ali, Ibrahim Abdullah Maghrabi. *Clozapine-carboxylic acid plasticized co-amorphous dispersions: Preparation, characterization and solution stability evaluation*. **Acta Pharmaceutica**. **65 (2015): 133–146**.
12. Raghda R. S. Hussein, Ahmed M. A. Ali -Heba F. Salem, Maha M. Abdelrahman, Amira S. A. Said, Mohamed E. A. Abdelrahim. *In vitro/in vivo correlation and modeling of emitted dose and lung deposition of inhaled salbutamol from metered dose inhalers with different types of spacers in noninvasively ventilated patients*. **Pharmaceutical Development and Technology**, **2015**
13. Ahmed Abdelbary, Heba F. Salem, Rasha A. Khallaf, Ahmed M. Abdelhaleem Ali. *Modeling, Optimization, and In-vitro Corneal Permeation Of Chitosan-Lomefloxacin HCl Nanosuspension Intended For Ophthalmic Delivery*. **J. Pharm. Innov.** **10(2): 2015**.
14. Aly A. Abdelbary Abdulaziz M Al-mahallawi, Mohamed E Abdelrahim, Ahmed MA Ali. *Preparation, optimization, and in vitro simulated inhalation delivery of carvedilol nanoparticles loaded on a coarse carrier intended for pulmonary administration*. **Int. J. Nanomed.** **2015:10 6339–6353**.
15. ALI, Ahmed Mahmoud Abdelhaleem; Abdelrahim, Mohamed Emam A. *Modeling and Optimization of Terbutaline Emitted from a Dry Powder Inhaler and Influence on Systemic Bioavailability Using Data Mining Technology*. **Journal of Pharmaceutical Innovation**, **2014, 9.1: 38-47**.

16. Ali, Ahmed M. Abdelhalem; Sarhan, Hatem A. And Magdy, Tarek. *Preparation and characterization of phenytoin sodium niosomes for enhanced closure of skin injuries.* **International Journal of Pharmacy & Pharmaceutical Sciences**, 2014: **6(2) 542-546.**
17. Hassan, Amira Hosny, Ahmed Mahmoud Abdel Haleem Ali, Mohamed Ahmed El-Nabarawy, and Ahmed Abd-Elbary. "Formulation and evaluation of taste-masked orally disintegrating tablets of nicergoline based on β -cyclodextrin inclusion complexation." **International Journal of Drug Delivery** 5, no. 1 (2013): 110-120.
18. Kharshoum, Rasha Mohamed, Rania Ahmed Sanad, and Ahmed M. Abdelhaleem Ali. "Comparative pharmacokinetic study of two lyophilized orally disintegrating tablets formulations of vinpocetine in human volunteers." **International Journal of Drug Delivery** 5.2 (2013).
19. Sayed, Raghdha. R., R. H. Soliman, A. M. Abdelhaliem, M. H. Tawfik, and M. E. Abdelmobeide. "Effect of Antiepileptic Drugs on Liver Enzymes." **Beni-Suef University Journal of Applied Sciences** 2, no. 1 (2013): 18-28.
20. Ali, Adel Ahmed. Ali, Ahmed Mahmoud A. (2013). *Optimization of Propranolol HCl Release Kinetics from Press Coated Sustained Release Tablets.* **Pharmaceutical Development and Technology**; 18 (5) 1238-1246.
21. Marwa O. Elgendy, Sadya A. Tayel, Mohamed Emam Abdelrehim, Ahmed M. A. Ali, Mohamed Adel El Maraghy and Mohamed H. Meabed. (2012). *Role of Piracetam in treatment of cerebral palsy disease.* **Journal of Behavioural Health**.1(1): 53-58
22. Ali, Hany S. M., York Peter, Ali Ahmed M. A. and Blagden Nicholas (2011). *Hydrocortisone nanosuspensions for ophthalmic delivery: A comparative study between microfluidic nanoprecipitation and wet milling.* **J. Cont. Rel.** 149(2): p.175-181.
23. H.F. Salem, Aly Fahmy and Ahmed M. A. Ali. (2011). *Extended Immunization of Rats using Microencapsulated Cobra Venom.* **British Journal of Pharmacology and Toxicology**, 2(1): 43-50.
24. Ahmed M. A. Ali, Marcel de Matas, Peter York, Ray C. Rowe. (2010). *Role of pellet size, shape and filling method in achieving fill weight uniformity for encapsulated pelletised systems: a comparison of experiment and computer simulation.* **J. Pharm. Sci.**, vol. 99 No. 3, P. 1299-1308.
25. Ahmed M. A. Ali, Marcel de Matas, Peter York, Ray C. Rowe. (2009) "Influence of pellet aggregate populations on the variability of pellet filling into hard shell capsules: A comparison of experiment and computer simulation" **Eur. J. Pharm. Sci.**, Vol. 38, Issue 3, Pages 197-205.

26. Ahmed M. A. Ali, Marcel de Matas, Peter York and Raymond C. Rowe (2007). *Simulation and experimental studies of packing characteristics of pellets and effects on the consistency of capsule filling*. Presented as a poster in the BPC 2007 Manchester, UK and published as an abstract in the science proceedings 2007, Supplement 1, **J. Pharm. Pharmacol.**
27. Ahmed M. A. Ali, Marcel de Matas, Peter York and Raymond C. Rowe (2007). *Comparing computer simulation with experimental packing of pharmaceutical pellets into hard gelatin capsules*. Presented as a poster at the AAPS 2007 annual meeting and exposition in San Diego and published as an abstract in the **supplement of AAPS Journal, Volume 9, Issue 52.**

Attended Conferences

1. AAPS 2011 (Washington DC.), poster presentation: Prediction of pellets characteristics and capsule filling performance using artificial intelligence technology.
2. Process Analytical Technology (PAT) meeting (Belgium, 2008), Oral presentation: Predicting variability of drug content from weight variation experiments carried on a pelletized capsulated product.
3. BPC 2007 (Manchester, UK), poster presentation: Simulation and experimental studies of packing characteristics of pellets and effects on the consistency of capsule filling.
4. AAPS 2007 (San diego, USA), poster presentation: Comparing computer simulation with experimental packing of pharmaceutical pellets into hard gelatin capsules.

Referees

- 1) Professor **Peter York**, Professor of Physical Pharmaceutics, Institute of Pharmaceutical Innovation, University of Bradford, UK.
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- 4) Professor Ahmed Abd El Bary, Professor of Pharmaceutics and Industrial Pharmacy and Ex-Dean of Faculty of Pharmacy Beni Sueif University, Egypt. Cell : 0123165489.
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