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# NAZIK ABDEL-LATIF EL-GINDY

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## PRESENT POST:

- ☞ *Head of the Central Lab., Faculty of Pharmacy, Alexandria University, Egypt.*
- ☞ *Professor of Industrial Pharmacy (Emeritus), Faculty of Pharmacy, Alexandria University, Egypt.*
- ☞ *Member of Quality Assurance and Accreditation Committee (QAAP), and CIQAP Faculty of Pharmacy, Alexandria University, Egypt.*
- ☞ *PEER reviewer for QAAP, Ministry of Higher Education, Egypt.*
- ☞ *External Auditor for Faculty of Pharmacy & Drug Manufacturing, Pharos University, Egypt.*

## QUALIFICATIONS:

- ☞ *Ph.D. in Pharmaceutical Science "Industrial Pharmacy", Faculty of Pharmacy, Alexandria University, Egypt, 1973.*
- ☞ *Master Degree, Faculty of Pharmacy, Alexandria University, Egypt, 1970.*
- ☞ *Bachelor Degree of Pharmacy and Pharmaceutical Chemistry, Very Good, Honor Degree, Faculty of Pharmacy, Alexandria University, Egypt, 1967.*

## AWARDS:

- ☞ *Owner of the "University Incentive Award", Faculty of Pharmacy, Alexandria University, Egypt, 1982.*
- ☞ *Owner of the "State Incentive Award", For Science and Art, "First Degree", Egypt, 1984.*
- ☞ *Chosen as one of the distinguished Egyptian Personnel in the Egyptian National Encyclopedia, 1989.*
- ☞ *Owner of ACDIMA Pharmaceutical Company Award for the BEST*

*Scientific Research, Amman, Jordan, 2009.*

☞ *Owner of the "University Award for Scientific Excellency", Faculty of Pharmacy, Alexandria University, Egypt, 2010.*

☞ *Owner of the "Who's Who in the World" by Marquis Who's is Who, NJ, USA, 2012.*

☞ *Owner of the "African Union, Kwame Nkrumah, Regional Scientific Award for Women", Addis Ababa, 2012.*

☞ *Owner of the "2000 Outstanding Intellectuals of the 21st Century", International Biographical Centre, Great Britain.*

☞ *Owner of the "State Award for Advanced Technology", Egypt, 2013.*

☞ *Owner of the "University Honorable Award, Faculty of Pharmacy, Alexandria University, Egypt, 2015.*

## **POSITIONS:**

☞ *Head of the Department of Industrial Pharmacy, Faculty of Pharmacy, Alexandria University, Egypt, 2010 - 2012.*

☞ *Professor of Industrial Pharmacy (Emeritus), Faculty of Pharmacy, Alexandria University, Egypt, 2007 onwards.*

☞ *Head of the Central Lab., Faculty of Pharmacy, Alexandria University, Egypt, 2001 – 2011 and 2015 onwards.*

☞ *Head of the Department of Industrial Pharmacy, Faculty of Pharmacy, Alexandria University, Egypt, 1998 – 2004.*

☞ *Professor of Industrial Pharmacy, Faculty of Pharmacy and Drug Industries, Pharos University, Egypt, 2007 and 2010 -2012.*

☞ *Professor of Industrial Pharmacy, Faculty of Pharmacy, Beirut Arab University (BAU), Lebanon, 2005 and 2006.*

☞ *Head of the Department of Pharmaceutics and Microbiology, Faculty of Pharmacy, King Saud University, Riyadh, Saudi Arabia, 1989 – 1994.*

☞ *Professor of Industrial Pharmacy, Faculty of Pharmacy, Tanta University,*

Egypt, 1985 – 1990.

☞ *Consultant for the "Pharco Pharmaceutical Companies", Alexandria, Egypt, 1985 – 1990.*

☞ *Professor of Industrial Pharmacy, Faculty of Pharmacy, Alexandria University, Egypt, 1984 – 2007.*

☞ *Visiting Professor to the Pharmazeutische Institute, ETH, Zurich, Switzerland, 1983 – 1984.*

## **CAREER :**

☞ **2007 onwards.** Faculty of Pharmacy, Alexandria University, Egypt  
*Professor (Emeritus)*  
Department of Industrial Pharmacy.

☞ **1984 -2007** Faculty of Pharmacy, Alexandria University, Egypt  
*Professor*  
Department of Industrial Pharmacy.

☞ **1978 – 1984.** Faculty of Pharmacy, Alexandria University, Egypt  
*Associate Professor*  
Department of Industrial Pharmacy.

☞ **1973 -1978.** Faculty of Pharmacy, Alexandria University, Egypt  
*Lecturer*  
Department of Industrial Pharmacy.

☞ **1970 – 1973.** Faculty of Pharmacy, Alexandria University, Egypt  
*Assistant Lecturer*  
Department of Industrial Pharmacy

☞ **1967 – 1970.** Faculty of Pharmacy, Alexandria University, Egypt.  
*Demonstrator*  
Department of Industrial Pharmacy

☞ **1962 – 1967.** Faculty of Pharmacy, Alexandria University, Egypt.  
*Bachelor Degree of Pharmacy and Pharmaceutical Chemistry*

## **TEACHING COURSES :**

### **Undergraduate Students:**

☞ Faculty of Pharmacy, Alexandria University, Egypt

*Industrial Pharmacy Course* **Fourth Year Students**

☰ Faculty of Pharmacy, Tanta University, Egypt  
*Industrial Pharmacy Course* **Fourth Year Students**

☰ Faculty of Pharmacy, Tanta University, Egypt  
*Pharmaceutical Technology Course* **Fifth Year Students**

☰ Faculty of Pharmacy, King Saud University, Riyadh, Saudi Arabia  
*Pharmaceutical Technology Course* **Third Year Students**

☰ Faculty of Pharmacy, King Saud University, Riyadh, Saudi Arabia  
*Industrial Pharmacy Course* **Fourth Year Students**

☰ Faculty of Pharmacy, King Saud University, Riyadh, Saudi Arabia  
*Biopharmaceutics Course* **Fourth Year Students**

☰ Faculty of Pharmacy, Beirut Arab University (BAU), Lebanon  
*Industrial Pharmacy Course* **Fourth Year Students**

☰ Faculty of Pharmacy, Beirut Arab University (BAU), Lebanon  
*Pharmaceutical Technology Course* **Fifth Year Students**

, ☰ Faculty of Pharmacy and Drug Industries, Pharos University, Egypt  
*Pharmaceutical Technology Course* **Fourth Year Students**

### **Postgraduate Students:**

☰ Faculty of Pharmacy, Alexandria University, Egypt  
*Industrial Pharmacy Course* **Diploma of Industrial Pharmacy**

☰ Faculty of Pharmacy, Alexandria University, Egypt  
*Quality Control Course* **Diploma of Drug Analysis**

☰ Faculty of Pharmacy, Alexandria University, Egypt  
*Pharmaceutical Technology Course* **Postgraduate Students**

☰ Faculty of Pharmacy, Alexandria University, Egypt  
*Unit Operations Course* **Postgraduate Students**

☰ Faculty of Pharmacy, Tanta University, Egypt  
*Pharmaceutical Technology Course* **Postgraduate Students**

☰ Faculty of Pharmacy, Tanta University, Egypt  
*Unit Operations Course* **Postgraduate Students**

☞ Faculty of Pharmacy, King Saud University, Riyadh, Saudi Arabia  
*Pharmaceutical Technology Course*     **Postgraduate Students**

☞ Faculty of Pharmacy, King Saud University, Riyadh, Saudi Arabia  
*Unit Operations Course*                     **Postgraduate Students**

### **GENERAL LECTURES:**

- ☞ *"Controlled Release Dosage Forms"*  
Lectures for the pharmacists from the Ministry of Health under the sponsorship of a WHO project. Egypt.
- ☞ *"Monitoring Homogeneity"*  
Lectures for the members of Research & Development and Production Departments, Pharco Pharmaceutical Companies, Alexandria. Egypt.
- ☞ *"Potential Application of Chitosan in Tissue Engineering"*  
A Lecture as a part of a project to the Academy of Scientific Research and Technology, Faculty of Dentistry, Alexandria University. Egypt.
- ☞ *"Educational program in Faculty of Pharmacy"*  
A lecture as a part of the QAAP project in Faculty of Pharmacy, Alexandria University. Egypt.
- ☞ "Flocculation and Solid dispersion Techniques for Controlled Release Medications"  
A Lecture as a part of The Egyptian Pharmaceutical Conference, Cairo, Egypt

### **MEMBERSHIPS:**

☞ ***Chosen as one of the distinguished Egyptian Personnel in the Egyptian National Encyclopedia.***

- ☞ Controlled Release Society, **CRS**.
- ☞ Tissue Engineering & Regeneration Medicine Society, **TERMIS** .
- ☞ Reviewer for the European Journal of Pharmaceutics and Biopharmaceutics
- ☞ Reviewer for the African Journal of Biotechnology
- ☞ The Scientific Committee for Professors Promotion (Pharmaceutics and

Industrial Pharmacy), NOTCAR, Egypt.

- ☞ The Scientific Committee for Professors Promotion (Pharmaceutics and Industrial Pharmacy), Egyptian Universities, Egypt.
- ☞ The Scientific Committee for Professors Promotion (Pharmaceutics and Pharmaceutical chemistry) Al Azhar University, Egypt.
- ☞ IBN-AL- Haitham Journal for Science and Technology.
- ☞ Alexandria Journal of Pharmaceutical Sciences.
- ☞ The New Egyptian Journal of Medicine
- ☞ The Egyptian Pharmaceutical Society.
- ☞ The Egyptian Pharmaceutical Syndicate.
- ☞ The Saudian Pharmaceutical Society.
- ☞ The Alexandria Sporting Club.
- ☞ Education and Students Affairs Committee, Faculty of Pharmacy, Alexandria University.
- ☞ Postgraduate Studies and Research Committee, Faculty of Pharmacy, Alexandria University.
- ☞ Laboratories and Scientific Equipment Committee, Faculty of Pharmacy, Alexandria University.
- ☞ Laboratories and Scientific Equipment Committee, Alexandria University.
- ☞ Consultant for the Special Pharmacy Unit, Faculty of Pharmacy, Alexandria University, Egypt.
- ☞ Quality Assurance and Accreditation Committee **QAAP**, and **CIQAP** for undergraduate and postgraduate students, Faculty of Pharmacy, Alexandria University.
- ☞ Head of the 1<sup>st</sup> year Control, Faculty of Pharmacy, Alexandria University.
- ☞ Faculty of Pharmacy Journal of Pharmaceutical Sciences, Faculty of Pharmacy, Assuit University, Egypt.
- ☞ Pioneer and Dreams Student Families, Faculty of Pharmacy, Alexandria University, Egypt.

## **BIDS:**

- ☞ Head of the Committee responsible for the Ministry of International Cooperation Bid to establish a central lab. with 2.5 million Egyptian pounds, Faculty of Pharmacy, Alexandria University, Egypt.
- ☞ Head of the Committee responsible for purchasing laboratory equipment with 200. 000 Egyptian pounds for the different departments of Faculty of Pharmacy, Alexandria University, Egypt.
- ☞ Head of the Committee responsible for purchasing microscopes with 100. 000 Egyptian pounds, Faculty of Pharmacy, Alexandria University.
- ☞ Head of the Committee responsible for purchasing DNA sequential apparatus with 350. 000 Egyptian pounds, Faculty of Pharmacy, Alexandria University, Egypt.
- ☞ Head of the Committee responsible for preparing a pilot manufacturing plant, Faculty of Pharmacy and Drug Industries, Pharos University, Alexandria, Egypt.
- ☞ Head of the Committee responsible for purchasing laboratory equipment with 3.300 million Egyptian pounds for the Faculty of Pharmacy, Alexandria University, Alexandria, Egypt.

## **ACTIVITIES:**

- ☞ Head of the university parties of Pioneer and Dreams student families in Faculty of Pharmacy, Alexandria University, Egypt.
- ☞ Field Trips:
  - ☞ Fourth year students' scientific trips for pharmaceutical and chemical firms in Alexandria, Cairo, and Aswan, Egypt.
  - ☞ Third year supervision of student training in pharmacies, hospitals, or factories.

## **PROJECTS:**

- ☞ '*Controlled Release Dosage forms*', submitted to the " Academy of Scientific Research and Technology ", Egypt. 1989.
- ☞ *Quality Assurance and Accreditation project, QAAP*, Faculty of Pharmacy, Alexandria University, 2006.
- ☞ *Continuous improvement and Quality Assurance Project (CIQAP)*.
- ☞ " *Preparation and Evaluation of Controlled Release Products for the treatment of Chronic Gingivities* ", submitted to ACDIMA Pharmaceutical

Company, Amman, Jordon, 2008.

- ☞ “Fabrication and characterization of nanostructured systems for the biomedical application in anticancer therapy”, submitted to ALEX REP, 2013.
- ☞ “Optimization of respiratory delivery of some drugs via nanocarriers Technology”, submitted to ALEX REP, 2013.
- ☞ “Inhalable spray –dried anti-cancer drug-loaded nanocomposites for enhanced drug”, submitted to STDF, 2013.
- ☞ “Natural polymer-based amphiphilic nanocarriers for targeted prostate cancer drug delivery”, submitted to STDF, 2015.

#### **MAIN RESEARCH & TECHNOLOGY TOPICS:**

- ☞ Prolonged Release Dosage Forms.
- ☞ Transdermal Drug Delivery Systems
- ☞ Nanotechnology and Protein-based nanocarriers

#### **SCIENTIFIC AND TECHNICAL CONSULTATION:**

- ☞ Consultant for Technopharma Egypt Pharmaceutical Firm.
- ☞ Consultant for Pharco Pharmaceutical Companies and has **14** products in the Egyptian market.
- ☞ Consultant for the Herbal Pharmaceutical Company.
- ☞ Consultant for the Special Pharmacy Unit, Faculty of Pharmacy, Alexandria University, Egypt.
- ☞ Consultant for the Projects Management Unit (MPU) of Ministry of Higher Education (MOHE) Cairo, Egypt.

#### **PUBLICATIONS:**

**75 publications, the most relevant are:**

- ☞ Hypogonadism Solution through Transdermal Androgen Replacement: Monolithic Drug-in Polymer Transdermal Devices, **Drug Delivery Technology**, 7, 55(2007).
- ☞ Sonophoretically Enhanced Transdermal Delivery of Testosterone: an Ex-vivo study, **F I P, 68<sup>rd</sup> International Congress of Pharmaceutical Sciences**, Sep.2008, Basel, Switzerland.



- ☞ Evaluation of the mechanical properties and drug release of cross-linked Eudragit films containing metronidazole, **Int J Pharm**, 376,1 (2009)
- ☞ Lyophilization monophasic solution technique for improvement of the physicochemical properties of an anticancer drug flutamide, **Eur. J. Pharm. Biopharm.** 74,397 (2010).
- ☞ Biopolymeric microparticles combined with lyophilized monophasic dispersions for controlled flutamide release, **Int. J. Pharm.**,411,113 (2011) .
- ☞ Lyophilization monophasic solution technique for preparation of amorphous flutamide dispersions, **Drug Develop & Ind. Pharm.**, 37, 397 (2011).
- ☞ Casein-based formulations as promising controlled release drug delivery systems, **J. Controlled Release**, 153,206 (2011).
- ☞ Lyophilized flutamide dispersions with polyols and amino acids: preparation and in vitro evaluation, **Drug Develop & Ind. Pharm**, 37, 446 (2011).
- ☞ Biopolymeric Nanoparticles for oral protein delivery: Design and in vitro evaluation, **J Nanomedic Nanotechnol**, 2:110 (2011).
- ☞ Biopolymeric nifedipine powder for acceleration of wound healing, **Int. J. Pharm.**, 422, 323 (2012).
- ☞ Albumin-based nanoparticles as potential controlled release drug delivery systems, **J. Controlled Release**, 157,168-182 (2012).
- ☞ Protein-based nano- carriers as promising drug and gene delivery systems, **J. Controlled Release**, 161, 38-49 ( 2012).
- ☞ Novel Spray-Dried Genipin-Crosslinked Casein Nanoparticles for Prolonged Release of Alfuzosin Hydrochloride, **Pharm.Research**, 30, 512 , 2013.
- ☞ Preparation of systems for the Transdermal delivery of Testosterone, Patent no. 26246, Academic Scientific Research and Technology, 2013.

## CONFERENCES:

- ☞ 5th Int. Conf. on Nanotechnology: Fundamentals and Applications, (ICNFA), August, 2014, Prague, Czech Republic.

- ☞ First Arab Conference, 'Regulatory Control on Food, Drug & Medical Devices, April 2013, Sharm El Sheik, Egypt
- ☞ 3<sup>rd</sup> TERMIS World Congress, "Tissue Engineering and Regenerative Medicine", Sept. 2012, Vienna, Austria.
- ☞ F I P, 71<sup>th</sup> International Congress of Pharmaceutical Sciences, Sept. 2011, Hyderabad, India.
- ☞ F I P, 68<sup>th</sup> International Congress of Pharmaceutical Sciences, Sept. 2008, Basel, Switzerland.
- ☞ F I P, 66<sup>th</sup> International Congress of Pharmaceutical Sciences, Sept. 2006, Cairo, Egypt.
- ☞ US-Egypt Workshop on Tissue Engineering NRC Cairo, January, 2006, Egypt.
- ☞ Assiut University 4th Pharmaceutical Science Conference, Assiut, March 2004, Egypt.
- ☞ Fifth Scientific Conference for Quality Control of Drugs, Vaccines and Natural Products, Cairo, April 2000, Egypt.
- ☞ WORLDPHARM 98, Philadelphia, Pennsylvania, USA, Sept., 1998.
- ☞ Int. Conference of Pharm.Sci. & Tech., Alex, March 1995, Egypt.
- ☞ Eighteen Egyptian Conference of Pharmaceutical Sciences, February 1984, Cairo, Egypt.
- ☞ F I P, 43<sup>rd</sup> International Congress of Pharmaceutical Sciences, Sep. 1983, Montreux, Switzerland.
- ☞ Eighteenth Egyptian Conference of Pharmaceutical Sciences, February 1984, Cairo, Egypt.
- ☞ Seventeenth Egyptian Conference of Pharmaceutical Sciences, February 1982, Cairo, Egypt.

#### **INVITATION:**

- ☞ Invited to work in 1983 and 1984 with Prof. P. Speiser in ETH (Eidgenossische Technische Hochschule) CH-Zurich, Switzerland.

#### **DEGREES AWARDED UNDER MY SUPERVISION:**

- ☞ **Master Degree of Dr. Adel Karara, " Drug – carrier system as a potential pharmaceutical dosage form", Faculty of Pharmacy, Department of Industrial Pharmacy, Alexandria University, Egypt, 1977.**

- ☞ **Master Degree of Dr. Ali Bekhit, " A study of the effect of some techniques on the characteristics of certain drugs and their formulations"**, Faculty of Pharmacy, Department of Industrial Pharmacy, Alexandria University, Egypt,1981.
- ☞ **Master Degree of Dr. Hoda Maradney, " A study of some technological aspects in the processing of solid dosage forms"**, Faculty of Pharmacy, Department of Industrial Pharmacy, Alexandria University, Egypt,1986.
- ☞ **Master Degree of Dr. Omer Yassen, " Control of drug release from solid dosage forms"**, Faculty of Pharmacy, Department of Pharmaceutical Technology, Tanta University, Egypt,1987.
- ☞ **Doctor Degree of Dr. Hoda Maradney, " Evaluation of fluidization technique in the processing of pharmaceutical solid dosage forms"**, Faculty of Pharmacy, Department of Industrial Pharmacy, Alexandria University, Egypt, 1992.
- ☞ **Master Degree of Dr. Wael Samy, " A study on some transdermal drug delivery systems"**, Faculty of Pharmacy, Department of Industrial Pharmacy, Alexandria University, Egypt, 2001.
- ☞ **Doctor Degree of Dr. Wael Samy, " Some recent approaches to transdermal drug delivery systems (TDDS) and their evaluation"**, Faculty of Pharmacy, Department of Industrial Pharmacy, Alexandria University, 2006.
- ☞ **Master Degree of Dr. Ahmed Zoghby, " Preparation and evaluation of some controlled release dosage forms"**, Faculty of Pharmacy, Department of Industrial Pharmacy, Alexandria University ,Egypt, 2009 .
- ☞ **Master Degree of Dr. Saleh Daw, " Drug-carrier system as a potential pharmaceutical dosage forms"**, Faculty of Pharmacy, Department of Industrial Pharmacy, Alexandria University.
- ☞ **Master Degree of Dr. Mohamed Abdelaziz, " Study of certain rheological parameters in diabetic ketoacidosis patients"**, Faculty of Medicine, Department of Internal Medicine, Alexandria University, Egypt, 2012.
- ☞ **Master Degree of Dr. Mohamed Gado, "Modulation of drug release from some delivery systems using different carriers"**, Faculty of Pharmacy, Department of Industrial Pharmacy, Alexandria University, Egypt.
- ☞ **Master Degree of Dr. Mohamed Noby, "Optimization of drug release from some controlled delivery systems"**, Faculty of Pharmacy, Department of Industrial Pharmacy, Alexandria University, Egypt, 2014.
- ☞ **Doctor Degree of Dr. Ahmed Zoghby, "Development and evaluation of**

*protein nanocarriers as promising drug delivery systems"*, Faculty of Pharmacy, Department of Industrial Pharmacy, Alexandria University, Egypt, 2012.

- ☞ **Master Degree of Dr. Esraa Mohamed Abd Elmonem, "Colorimetric comparative analysis of masticatory efficiency in complete denture wearers with two different occlusal concepts"**, Faculty of Dentistry, Alexandria University, Egypt, 2014.
- ☞ **Master Degree of Dr. Salma Mohy Eldeen , "Potential applications of nano-technology in non-invasive drug delivery"**, Faculty of Pharmacy, Department of Industrial Pharmacy, Alexandria University, Egypt, 2016.
- ☞ **Master Degree of Dr. Sara Elakany, "Fabrication and Characterization of nanostructured systems for biomedical applications"**, Faculty of Pharmacy, Department of Industrial Pharmacy, Alexandria University, Egypt, 2016.

#### **CREATION OF A NEW LABORATORY:**

- ☞ The construction, all bid procedures, arrangement, dismantling, and maintenance of the apparatus, and training of the lab operators for the establishment of the **Central Lab**, Faculty of Pharmacy, Alexandria University, Egypt.
- ☞ The lab is a fund from the Ministry of International Cooperation with 2.5 million Egyptian pounds. It serves staff and researchers in the faculty, university, pharmaceutical and petrochemical companies.
- ☞ The construction, all bid procedures, arrangement, dismantling, and maintenance of the apparatus, and training of the lab operators for the establishment of the **Biotechnology Lab**, Faculty of Pharmacy, Alexandria University, Egypt.
- ☞ The construction, all bid procedures, arrangement, dismantling, and maintenance of the apparatus, and training of the lab operators for the establishment of the **Tissue Engineering Lab**, Faculty of Pharmacy, Alexandria University, Egypt.
- ☞ The construction, all bid procedures, arrangement, dismantling, and maintenance of the apparatus, and training of the lab operators for the establishment of a **Pilot Manufacturing Plant**, Faculty of Pharmacy and Drug Industries, Pharos University, Alexandria, Egypt.