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### **Academic Qualification:**

- Doctor of Philosophy in Pharmaceutical Sciences " Industrial Pharmacy" (1995). The title of the thesis " Preparation and Evaluation of Some Digestive –Aid Formulations ", Faculty of Pharmacy, Alexandria University.
- Master Degree in Pharmaceutical Sciences " Industrial Pharmacy" (1981).The title of the thesis "A Study of the Effect of Some Techniques on the Characteristics of Certain Drugs and their Formulations " ,Faculty of Pharmacy ,Alexandria University
- Diploma of Industrial Pharmacy (1978) " As special courses ; in partial fulfillment for the master degree" ,Faculty of Pharmacy ,Alexandria University
- Diploma of Drug Analysis and Biological Assays (1976), Faculty of Pharmacy, Alexandria University.
- Bachelor of Pharmaceutical Sciences (1973), Faculty of Pharmacy, Alexandria University.

### **Biography**

### **Professional Experiences and Positions held:**

- Full-time Faculty Staff Member, Dept. of Pharmaceutics and Industrial Pharmacy. Faculty of Pharmacy and Drug Manufacturing, Pharos University in Alexandria, since beginning of February 2011 and up till now.
- Full-time Faculty Staff Member, Dept. of Pharmaceutical Technology .Faculty of Pharmaceutical Sciences and Pharmaceutical Industries, Future University, New Cairo City, since February 2007 and up to the end of January 2011.
- Full–time Faculty Staff Member ,Dept. of Pharmaceutical Technology ,(Pharmaceutics and Industrial Pharmacy).Faculty of Pharmacy , Misr International University ,Cairo ,since September 2004 and up to February2007 (all teaching responsibilities and duties ,credit- hour system).

- Research Director in the Research, Development and Quality Control Division – Pharco Pharmaceuticals, Alexandria, since Nov.1998 and up to September 2004. (See accompanied Job Description).
- Senior Researcher in the Dept. of Research and Development –Pharco Pharmaceuticals, Alexandria, since October 1991 and up to November 1998.
- Pharmacist in the National Guard Medical Services, Saudi Arabia, since 1985 and up to 1991.
- Part-time demonstrator in the Dept. of Industrial Pharmacy for one year (1980/1981).
- Also, as a part –time demonstrator in the Dept. Of Pharmaceutics, Faculty of Pharmacy, Alex. University for one year (1979/1980).
- Pharmacist, in the Ministry of Health, since October 1973 and up to July 1984.

**Job Description (Industrial Expertise):**

Name : Aly Abd El-Hafeez Shalaby

Job Title: Research Director

**Qualifications:**

1. Bachelor of Pharmaceutical Sciences, 1973.
2. Diploma of Drug Analysis and Biological Assays, 1976.
3. Diploma of Industrial Pharmacy, 1978.
4. Master of Pharmaceutical Sciences, (Industrial Pharmacy), 1981.
5. Doctor of Philosophy of Pharmaceutical Sciences, (Industrial Pharmacy) ,1995.

Reports to : Chairman /Managing Director.

Subordinates: Pharmacists and Chemists of Research and Development team.

**Responsibilities :**

1. Sharing of proposal and execution of company's products development plan.
2. Organization and supervision of R&D filing and documentation team.
3. Looking after a strong pharmaceutical research program with potential for new findings (new technology).
4. Cooperation with management in whatever relevant activities called upon to carry out in updating and upgrading of Quality System.

**Duties:** :

1. Collaboration with involved divisions and interfacing depts in setting the grounds for producing company products according to company's plan (member of new products and upgrading committee).
2. Feasibility studies (Pharmacoeconomics and cost-benefit analysis and management of available resources) for marketing of new products in collaboration with promotion and marketing division.

3. *Sharing of research and development projects to develop new products or new dosage forms for company market products (expand lines).*
  4. *Implementation of approved action plans and activities complying with Company's Quality System and required Q.A. functions.*
  5. *Promotes the company scientific reputation through involvement in research and development publications and participation in National /International Meetings. (attending of several seminars, workshops, conferences, training courses, plenary lectures, etc.).*
  6. *Surveying the scientific professional literature and bringing important findings to the attention of Quality Management.*
  7. *Designing, Performance and Interpretation of stability studies according to international requirements (long-term and stress testing).*
  8. *Performing of training and continuing education programs to subordinates in charge in the fields of :*
    - A) *Drug formulation and optimization of the efficiency of various dosage forms (quality assurance, economics, compliance and management of available resources).*
    - B) *Drug stability and expiry dating (via kinetic studies and modern statistical techniques).*
    - C) *Recent trends in Q.A., cG.M.P., ISO,Q.C.(manufacturing and company –wide),I.C.H. guidelines and milestones in pharmaceutical process validation (prospective ,retrospective and concurrent validation ).*
    - D) *Pharmaceutical Manufacturing Processes including troubleshooting and remedies of different dosage forms.*
  9. *Organization and performance activities related to filing for registration by the MOH and EXPORT, and revising of all raw data sent to the Documentation Section for filing.*
  10. *Assuring duties of Chairman / Managing Director as needed and performing other duties as assigned.*
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**Research interest**

- 1. Drug design and formulations. (Research and Development).**
- 2. Scaling up challenges, pharmaceutical troubleshooting and problem solving.**
- 3. Quality control and Good Manufacturing Practices.**

**Publications**

1. *Influence of dispersion technique on the dissolution rate of nalidixic acid powder*  
*El –Gindy-NA; Shalaby –AA; El-Khalek –MMA.*  
*Dept. of Indust. Pharm., Faculty of Pharmacy,Alexandria Univ. , Alexandria ,Egypt.*  
*Acta –Pharm –Jugosl;1981; 31 (3) 165-170.*
2. *Crystallization of nalidixic acid in presence of different carriers*  
*El-Gindy –NA; Shalaby –AA; El-Khalek –MMA.*  
*Dept.of Indust. Pharm.,Faculty of Pharm., Alexandria Univ., Alexandria, Egypt.*  
*Drug-Dev-Ind-Pharm;1982;8(5);683-689.*

3. *Bioavailability of nalidixic acid from formulated tablets.*  
*El-Gindy-NA; Shalaby-AA; Khalek-MA.*  
*Dept. of Industrial Pharm., Faculty of Pharm., Alexandria Univ., Alexandria, Egypt.*  
*Acta –Pharm-Technol;1982;28(4);291-296.*
4. *Dissolution of nalidixic acid solid dispersion. Part 1. NAL-hydrotropic salts and NAL – Myrj systems.*  
*El-Gindy-NA; Shalaby-AA; Khalek-MM.*  
*Dept of Industrial Pharm., Faculty of Pharm., Alexandria Univ., Alexandria, Egypt.*  
*Drug-Dev-Ind-Pharm;1983;9(3);363-367.*
5. *Dissolution of nalidixic acid solid dispersion. Part 2. Systems of NAL-inclusion and linear polymeric compounds.*  
*El-Gindy-NA; Shalaby-AA; El-Khalek-MMA.*  
*Dept. of Industrial Pharm., Faculty of Pharm., Alexandria Univ., Alexandria, Egypt.*  
*Drug-Dev-Ind-Pharm;1983;9(6);1031-1035.*
6. *Development and availability of nalidixic acid suppositories.*  
*El-Gindy-NA; Shalaby-AA; El-Khalek-MMA.*  
*Dept. of Industrial Pharm., Faculty of Pharm., Alexandria Univ., Alexandria, Egypt.*  
*Acta-Pharm-Technol;1983;29(1);19-24.*
7. *Preparation and evaluation of some digestive-aid tablet formulations :(effect of diluent).*  
*Aly A. Shalaby, Abdulla M. Molokhia, Ferial M. El-Khawas, Sana M. Mortada.*  
*International Conference of Pharmaceutical Sciences and Technology – Palestine hotel, Montazah, Alex. , Egypt; March 1995.*
8. *Preparation and Evaluation of some digestive-aid tablet formulations :(Evaluation of talc, magnesium stearate and Aerosil 200 as lubricants).*  
*Aly A. Shalaby, Abdulla M. Molokhia, Ferial M. El-Khawas, Sana M. Mortada.*  
*International Conference of Pharmaceutical Sciences and Technology-Palestine hotel, Montazah, Alex., Egypt; March 1995.*
9. *Preparation and Evaluation of some digestive-aid tablet formulations: (Validation of enzymic analytical methods).*  
*Aly A. Shalaby, Abdulla M. Molokhia, Ferial M. El-Khawas, Sana M. Mortada.*  
*International Conference of Pharmaceutical Sciences and Technology-Palestine hotel, Montazah, Alex., Egypt; March 1995.*
10. *Preparation and Evaluation of some digestive-aid tablet formulations :(Kinetic treatment of enzymic release from complex digestive-aid tablet formulations).*  
*Aly A. Shalaby, Abdulla M. Molokhia, Ferial M. El-Khawas, Sana M. Mrtada.*  
*International Conference of Pharmaceutical Sciences and Technology-Palestine hotel, Montazah, Alex.,Egypt; March 1995.*

**Pending Publications:**

11. Shalaby, AA, El-Khawas, FM, Molokhia, AM and Mortada, SM.  
*Preparation and Evaluation of Some Oral Solid Digestive-Aid Formulations.5- Stability Testing of Some Digestive-Aid Tablet Formulations. Pharm. Ind., Germany, Under Press.*
12. Shalaby, AA, El-Khawas, FM, Molokhia, AM and Mortada, SM.  
*Preparation and Evaluation of Some Oral Solid Digestive-Aid Formulations 1- Effect of Different Diluents on Papain-Sanzyme Tablets, Pharm. Ind., Germany, Under Press.*
13. Shalaby, AA, El-Khawas, FM, Molokhia, AM and Mortada, SM.  
*Preparation and Evaluation of Some Oral Solid Digestive-Aid Formulations 2-Effect of Lubricants and Disintegrants on Papain- Sanzyme Tablets, Pharm. Ind., Germany, Under Press.*
14. Shalaby, AA, El-Khawas, FM, Molokhia, AM and Mortada SM.  
*Preparation and Evaluation of Some Oral Solid Digestive-Aid Formulations.3- Preparation, Evaluation and Assessment of Control Mechanism in Enzymic Action of Some Digestive –Aid Tablet Formulations. Pharm. Ind., Germany, Under Press.*
15. Shalaby, AA, El-Khawas, FM, Molokhia, AM and Mortada, SM.  
*Preparation and Evaluation of Some Oral Solid Digestive-Aid Formulations.4- Kinetic Treatment of Enzyme Release and Post-release from Uncoated and Coated Tablet Formulations, Under press.*

**Conferences  
and  
workshops**

- 1.The Art and Science of Tablet Technology Workshop, Dec. 18 &19, 1991-College of Pharmacy, University of Cincinnati, U.S.A.**
- 2.Pharmex Consulting Group - Pharmaceutical Powder Technology, Dec. 1991.**
- 3.Problem Solving and Decision Making Administration Workshop, March 1993**
- 4.Alexandria Second International Conference of Pharmaceutical Sciences and Technology, March, 1995.**
- 5.Pharmex Consulting Group- Percutaneous Drug Absorption Mechanisms, Methodology, Formulations, Delivery and Toxicity, March, 10-11, 1999.**
- 6.Alexandria Third International Conference of Pharmaceutical Sciences and Technology, March 2000.**
- 7. 27<sup>th</sup> Conference of Pharmaceutical Sciences, Egyptian Pharmaceutical Society, Cairo, Jan.,2-4, 2001**

**8. NODCAR, 5<sup>th</sup> Scientific Conference, Cairo, March 2001.**

**9. Continuous Professional Development (C.P.D.) workshops including:**

- a) Learning styles, 9/10/2012.
- b) Interactive modalities, 23/10/2012.
- c) Motivation strategies and feedback, 6/11/2012.
- d) Academic integrity, 18/12/2012.
- e) Syllabus design and construction, 12/3/2013.
- f) Managing lectures, 12/3/2013.
- g) Student assessment 1, 9/4/2013.
- h) Student assessment 2, 30/4/2013.
- i) Exam design and evaluation, 6/5/2013 and 12/11/2013.

**10. First PUA International Conference on Advances in Pharmaceutical Sciences.  
27 – 29/10/2015.**

***N.B. Several unnamed advanced scientific training courses, scientific conferences, scientific workshops and advanced problem solving and decision making administration workshops (1,2,3.... etc.) have attended since 1991 and up to February 2011.***

**Professional  
and  
scientific  
Activities**  
(optional)

***The academic activities cover the following topics:***

- 1. Pharmaceutical and Medical Terminology and Pharmacy Legislations.***
- 2. Physical Pharmacy.***
- 3. Drug design and formulation (Pharmaceutics I, II, III).***
- 4. Pharmaceutical Technology.***
- 5. Reaction Kinetics and Drug Stability.***
- 6. Dermatologicals and Cosmetics.***
- 7. Industrial Quality Control.***
- 8. Unit Operations (Chemical Engineering).***
- 9. Pharmaceutical Manufacturing Troubleshooting and Problem Solving.***
- 10. Pharmaceutical Process Validation.***
- 11. Statistical Quality Control.***
- 12. Total Quality Management (TQM) comprising cGMP, R&D, Q.C. and Q.A.***