



## -Personal information

Full Name:

▪ **Nagia Nagib Afifi**

Nationality:

▪ **Egyptian**

Date of birth:

▪ **March 10,1956**

Place of birth:

▪ **Dokki, Giza**

Marital status:

▪ **Married**

Address:

▪ **1014 B Greens ,Sheikh Zayed**

E-Mail:

▪ **drnna103@gmail.com**

## -Education:

▪ **Ph.D.** in Pharmaceutical Sciences (Pharmaceutics, Cairo University, 1991)

**Ph.D.** Thesis: "Formulation and Biopharmaceutical Evaluation of Some Vasodilators"

▪ **Master Degree** in Pharmaceutical Sciences (pharmaceutics department, Cairo University , 1983)

**M.Sc.** Thesis: "Formulation of A Sustained Release Anti-inflammatory Drug"

▪ **B. Pharm. Sci.** (Faculty of Pharmacy, Cairo University, 1987)  
Very Good Degree with honor.

▪ **1978: Demonstrator, Pharmaceutics Department, Faculty of Pharmacy, Cairo University.**

▪ **1983: Assistant Lecturer, Pharmaceutics Department, Faculty of Pharmacy, Cairo University.**

▪ **1991: Lecturer, Pharmaceutics Department, Faculty of Pharmacy, Cairo University.**

▪ **1999: Associate Professor, Pharmaceutics Department, Faculty of Pharmacy, Cairo University.**

▪ **2005 : Professor, Pharmaceutics Department, Faculty of Pharmacy, Cairo University.**

## -Professional occupations:

## Teaching experience:

- Sept. 2015-2017:** Faculty of Pharmacy, Cairo University.  
Teaching Physical Pharmacy (Course Organizer) for first year Students.
- Sept. 2006- 2015:** Faculty of Pharmacy and Biotechnology, German University in Cairo (GUC). Head of Dept. during 2011-2015. Teaching for 9 years the following courses (course organizer):  
Biopharmaceutics and Pharmacokinetics for 5<sup>th</sup> Semester  
Pharmaceutical Technology I for 7<sup>th</sup> Semester  
Pharmaceutical Technology II for 8<sup>th</sup> Semester  
Legislation of Pharmacy Law for 10<sup>th</sup> Semester  
History of Pharmacy and Biotechnology for 2<sup>nd</sup> Semester
- Sept. 2005-2006:** Faculty of Pharmacy, 6<sup>th</sup> of October University.  
Teaching for one whole year. Courses given:  
Physical Pharmacy to first year students, Pharmaceutical Formulation to second year students, Industrial Pharmacy to fourth year students, History of Pharmacy to first year students, and Pharmaceutical Legislation to fifth year students.
- Feb-May 2005:** Faculty of Pharmacy, 6<sup>th</sup> of October University:  
Delivering a course on Clinical Pharmacokinetics to fifth year students.
- 2000** Misr University for Sciences and Technology (MUST):  
Teaching a course on Drug Design and Production.
- 1978-2005:** Faculty of Pharmacy, Cairo University;
- Delivering theoretical lectures and supervising practical courses in the subject of Pharmaceutics.
  - Participating in the writing and development of the theoretical notes that represent the material taught to the second year students, including "Transdermal Drug Delivery" and "Bioadhesive Drug Delivery"
  - Teaching both theoretical and practical courses for the hospital pharmacy diploma students. (Subject of Pharmaceutical Formulation).

## Research experience and list of publications:

### Research Supervision:

1. Theses supervised and awarded degrees: 21 M.Sc degrees and 10 Ph.D. degrees.
2. Theses currently under supervision : one M.Sc degree and three Ph.D. degrees.
3. Supervising the scientific researches and field studies submitted by the hospital pharmacy diploma students in Faculty of Pharmacy, Cairo Univ.

- 1- Dissolution Profile of Indomethacin from its Various Solid Dispersions.  
*M.M. Ghorab, F.F. Mansour and N.N. Afifi*  
*J. Egypt. Pharm. Sci.: 28(1-4), 339-344(1987).*
- 2- Release Characteristics of Indomethacin from its Pellets Coated with Various Release Retardants.  
*M.M. Ghorab, F.F. Mansour and N.N. Afifi*  
*J. Egypt. Pharm. Sci.: 28(1-4), 345-352(1987).*
- 3- Bioavailability of Indomethacin from Different Controlled Release Capsule Formulations.  
*M.M. Ghorab, F.F. Mansour and N.N. Afifi*  
*J. Egypt. Pharm. Sci.: 28(1-4), 353-360(1987).*
- 4- In Vitro and In Vivo Evaluation of Cinnarizine Solid Dispersion.  
*M.M. Ghorab, H.A. Mahmoud and N.N. Afifi*  
*Proceedings of XXII Conference of Pharmaceutical Sciences Of the Egyptian Pharmaceutical Society 17-19 Dec. (1991).*
- 5- Preparation and Biopharmaceutical Evaluation of Khellin Coprecipitates.  
*M.M. Ghorab, H.A. Mahmoud and N.N. Afifi*  
*Proceedings of XXII Conference of Pharmaceutical Sciences Of the Egyptian Pharmaceutical Society 17-19 Dec. (1991).*
- 6- The Application of Experimental Designs in Studying the Availability of Griseofulvin from Tablet Dosage Forms  
*A. Abd Elbary, M.A. Kassem, S.A. Elkheshen, L.E. Riad, N. N. Afifi*  
*Bull. Fac. Pharm. Cairo Univ.: Vol. 34 (2), 161-167 (1996)*
- 7- Application of Factorial Design in Terfenadine Formulation  
*N. N. AFIFI and A. FARGHALY*  
*Az. J. Pharm. Sci.: 20, 45-51 (1997).*
- 8- Effect Of Some Physiological Changes on the Binding of Tenoxicam to Human Serum Albumin  
*N. N. Afifi (Single Author)*  
*Bull. Fac. Pharm. Cairo Univ.: Vol. 36 (2), 19-26 (1998)*
- 9- Formulation and Pharmaceutical Evaluation of Sulindac Suspensions.  
*M.M. Ghorab, N.N. Afifi and A.M. Makky*  
*Bull. Fac. Pharm. Cairo Univ.: Vol. 36 (3), 107-124 (1998)*
- 10- Further Evaluation of Certain Sulindac Suspensions.  
*M.M. Ghorab, N.N. Afifi, A.M. Makky and H. Abdel-Latif*  
*Bull. Fac. Pharm. Cairo Univ.: Vol. 36 (3), 125-133 (1998)*
- 11- Using Difference Spectrophotometry to Study the Influence of Different Ions and Buffer Systems on Drug Protein Binding  
*N. N. Afifi (Single Author)*  
*Drug Development and Industrial Pharmacy , 25 (6), 735-743 (1999)*
- 12- Comparative Dissolution Study of Drugs Using Protein Hydrolysates  
*N. A. Abd El Gawad , N. N. Afifi and N. D. Mortada*  
*J. Drug Res. Egypt: 22, 1-7 (1998)*

- 13- INTRODUCING A BIOADHESIVE VAGINAL TABLET FORMULATION AS A NEW DOSAGE FORM OF OFLOXACIN  
*AFIFI, N.N. AND EL-HOUDAIBY, K.M.*  
*Egypt. J. Biomed. Sci.: 16(Nov.), 413-435 (2004) (Single Author)*
- 14- A PHARMACOECONOMIC STUDY ON AZITHROMYCIN CAPSULES  
*AFIFI, N.N., MAHER M.M. AND SELEIGHT, A.M.*  
*Egypt. J. Biomed. Sci.: 16(Nov.), 381-398 (2004) (Single Author)*
- 15- FORMULATION AND EVALUATION OF SUSTAINED RELEASE FLOATING CAPSULES OF NICARDIPINE HYDROCHLORIDE  
*N.M. MOURSY, N.N. AFIFI, D.M. GHORAB AND Y. EL-SAHARTY*  
*Pharmazie: 58, 38-43 (2003)*
- 16- FORMULATION AND EVALUATION OF SULINDAC CAPSULES  
*M.M. GHORAB, N.N. AFIFI, A.M. MAKKY and H. ABDEL-LATIF*  
*J. Drug Res. Egypt: 23, 91-104 (2000)*
- 17- IN-VITRO AVAILABILITY AND ANALGESIC ACTIVITY OF MARKETED LOCAL AND IMPORTED PARACETAMOL TABLETS IN COMPARISON TO AN INTRODUCED FORMULA  
*AFIFI, N.N. AND MAHDY, A.*  
*Egypt. J. Biomed. Sci.: 16(Nov.), 451-464 (2004) (Single Author)*
- 18- IMPROVING BIOAVAILABILITY OF FUROSEMIDE BY CONTROLLED RELEASE FLOATING GRANULES IN CAPSULE FORMULATION  
*N.M. MOURSY, N.N. AFIFI, D.M. GHORAB AND Y. EL-SAHARTY*  
*Bull. Fac. Pharm. Cairo Univ.: 41 (3), 83-97 (2003)*
- 19- FORMULATION AND EVALUATION OF ECONAZOLE NITRATE EMULGELS  
 SAMIA A. NOUR, SAMIA SHALABY, NAGIA N. AFIFY, SAAID ABD EL-AAL AND MARY KAMAL  
*J. Drug Res. Egypt: 24 (1-2), 63-71 (2002)*
- 20- A STUDY ON THE ENHANCEMENT OF NICARDIPINE HYDROCHLORIDE DISSOLUTION AT INTESTINAL pH  
*N.M. MOURSY, N.N. AFIFI AND D.M. GHORAB*  
*J. Drug Res. Egypt: 24 (1-2), 21-28 (2002)*
- 21- INCREASING BIOAVAILABILITY OF SILYMARIN USING BUCCAL LIPOSOMAL DELIVERY SYSTEM: PREPARATION INVESTIGATION AND EXPERIMENTAL DESIGN  
*M.S EL SAMALIGI, N.N. AFFIFI AND E.A. MAHMOUD*  
*INTERNATIONAL JOURNAL OF PHARMACEUTICS: 308, 140-148 (2006)*
- 22- EVALUATION OF HYBRID LIPOSOMES- ENCAPSULATED SILYMARIN REGARDING PHYSICAL STABILITY AND IN-VIVO PERFORMANCE  
*M.S EL SAMALIGI, N.N. AFFIFI AND E.A. MAHMOUD*  
*INTERNATIONAL JOURNAL OF PHARMACEUTICS: 319, 121-129 (2006)*
- 23- *Cefepime Compatibility*  
 Christianne M. Zaki, Nagia N. Afifi, Manal M.M. Hussein and Hanaa Abdel Moneim  
 Canadian Journal of Hospital Pharmac (CJHP) : 60(5),338-339 (2007).
- 24- Study of the Effect of Intestinal First-Pass and P-Glycoprotein Efflux

Kassem, M.A.; Afifi, N.N. and El-Mashad, A.N.  
Az. J.Pharm.Sci.: 35, 66-79 (2007).

25- A Study of the Physical, Chemical and Therapeutic Incompatibilities of the  
Admixtures of Intravenous Cephadrine with Selected Drugs

Christianne M. Zaki, Nagia N. Afifi, Manal M.M. Hussein and Hanaa  
Abdel Moneim  
Hospital Pharmacist: 15,339-45 (2008)

26- Cefepime Stability in IV Solutions and Admixtures

Christianne M. Zaki, Nagia N. Afifi and Hanaa Abdel Moneim  
Canadian Journal of Hospital Pharmacy (CJHP) : 61(5),356 (2008).

27- Application of Biodegradable Nanoparticles in Liver Targeting of  
Tacrolimus

Nagia N. Afifi, Ola A. Heikal, Rasha S. Hanafi and Salma N. Tammam  
Biology, Nanotechnology, Toxicology, and Applications: AIP  
Conference Proc. 1326, 120-127(2011).

28- Preparation and Biopharmaceutical Evaluation of Tacrolimus Loaded  
Biodegradable Nanoparticles for Liver Targeting

s.N. Tammam, S. Mathur and N.N. Afifi  
Journal of Biomedical Nanotechnology 8(3),439-449(June,2012).

29- Liposomal delivery of ferrous chlorophyllin: A novel third  
generation photosensitizer for in vitro PDT of melanoma

Iman Gomaaa, Aya Sebakb, Nagia Afifi and Mahmoud Abdel-Kader  
Photodiagnosis and Photodynamic Therapy 18 (2017) 162–170.

patent researches

- Acceptance of request for patent right No. 2000010007 in reference to the subject of “Formulation and Evaluation of Sustained Release Floating Capsules of Nicardipine Hydrochloride” registered at the Bureau of Patent Rights, Technological Development and Scientific Services Sector, at the Academy of Scientific Research and Technology.
- Acceptance of request for patent right No. 2002111259 in reference to the subject of “Formulation and Evaluation of Floating Capsules of Furosemide” registered at the Bureau of Patent Rights, Technological Development and Scientific Services Sector, at the Academy of Scientific Research and Technology.

## Training and Attendance of conferences :

- **1994:** Attended and completed the intensive training course on X-Ray Diffraction, Faculty of Sciences, Cairo University.
- **15th July-23rd Aug 2000:** Attended and completed the computer course organized by “The Unit for Preparing the University Teacher”, Cairo University.
- **20-22nd Nov 2004:** Attended and completed the Effective Communication Skills Program organized by the “Skills Development Center for the Tutorial and Leadership Authority”, Cairo University.
- **27-29th Nov 2004:** Attended and completed a program for Time Management and Responding to Work Pressures organized by the administration of the “Skills Development Center for the Tutorial and Leadership Authority”, Cairo University.
- **12-15 February, 2013:** Attending a 3-day work shop on “The use of Nanotechnology and Biomaterials in Tissue Engineering and Drug Delivery” in the Biotechnology Lab of the Faculty of Agriculture and in Cairo University Research Park (CURP)
- **20-21 February, 2013:** Attending Future University International Workshop on Tablet Manufacturing, QC/QA, Bio-availability/Bio-equivalence in Intercontinental City Stars.
- **Oct. 2, 2017:** Attending Helwan Univ. First International Conference as Poster evaluator and oral session presenter. An appreciation certificate was received.
- **Nov. 26, 2017:** Attending a workshop in Faculty of Pharmacy, Cairo Univ. on “Protection of Intellectual Property Rights (IPR) in the Domain of Medicine Manufacturing” Given by Prof. Yasser Gadallah, Prof. of Economics and Intellectual Property and Dean of National Institute of Intellectual Property, Helwan Univ.
- **March 14, 2018:** Attending the International Nanotechnology Workshop organized by the Nanotechnology center in the BUE.

### Conferences:

- 1- The Twenty Fourth Pharmaceutical Conference held in December 1994, where the presented research was:  
Evaluation of Certain Indomethacin Products.
- 2- The Fourth Scientific Conference for the National Organization of Drug Control and Research (NODCAR) held in March 1998, where a poster had been presented for a research by the name:  
Comparative Dissolution Study of Drugs Using Protein Hydrolysates.
- 3- The Fifth Scientific Conference for the (NODCAR) held in April 2000, where a poster had been presented for a research by the name:

- 4-** The Second Alexandria Scientific Conference for Pharmaceutical and Technological Sciences held in October 2000 where a poster had been presented for a research by the name:  
Enhancement of In-Vitro Availability of Nicardipine Hydrochloride.
- 5-** The Second Azhar International Conference for Pharmaceutical and Biological Sciences held in December 2001 where a poster had been presented for a research by the name:  
Formulation and Biopharmaceutical Evaluation of Sustained Release Floating Capsules of Nicardipine Hydrochloride.
- 6-** The Sixth Scientific Conference for (NODCAR) held in March 2002 where a poster had been presented for a research by the name:  
Formulation and Evaluation of Econazole Nitrate Emulgels.
- 7-** The Twenty Ninth International Conference of Pharmaceutical Sciences held in December 2002 where a poster had been presented for a research by the name:  
A Pharmaceutical Study on Introduced Topical Preparations of Gentamycin Sulfate.
- 8-** The Third Azhar International Conference for Pharmaceutical and Biological Sciences held in December 2003 where a poster had been presented for a research by the name:  
Floating Microballoons as Controlled Release Delivery Systems for Verapamil Hydrochloride.
- 9-** The Seventh Scientific Conference for (NODCAR) held in March 2004 where a poster had been presented for a research by the name:  
Formulation and Evaluation of Miconazole Nitrate Nail Lacquer Formulae
- 10-**The Twenty Ninth International Conference of Pharmaceutical Sciences held in December 2004 where a poster had been presented for a research by the name:  
Application of Factorial Design to Select Bioadhesive Vaginal Matrix Tablets as Platform for Drug Incorporation.
- 11-**FIP 2005 Conference held in September 2005 where a poster was presented for a research titled Buccal Silymarin Liposomal Delivery System: Preparation and Investigation Applying Factorial Design.
- 12-** First Scientific Conference of Faculty of Pharmacy, Cairo University (March, 2008) at the conference center of Cairo University  
A poster was presented, titled:  
“Honey, A Natural Product, Formulated as Bioadhesive Gel for Treatment of Wounds and Burns” (elected best poster).

**13-** Poster presentation in the 5<sup>th</sup> BioNanoTox Conference in Arkansas, USA on the 4<sup>th</sup> and 5<sup>th</sup> of November, 2010 of a manuscript titled "APPLICATION OF BIODEGRADABLE NANOPARTICLES IN LIVER TARGETING OF TACROLIMUS" by Nagia.N.Afifi, Ola.A.Heikal, Rasha.S.Hanafi, S.N.Tammam

**14-** Attending the 3<sup>rd</sup> PharmSciFair Conference on June 13-17, 2011 in Prague, Czech Republic where presented a poster is titled "Preparation and Biopharmaceutical Evaluation of Tacrolimus Loaded Biodegradable Nanoparticles for Liver Targeting." S.N.Tammam, S. Mathur and N.N. Afifi

**15-** Attending the 36<sup>th</sup> International Conference in Pharmaceutical Sciences held in the conference hall of Cairo University on 21-23 December, 2011 and presenting a poster titled "Formulation and Evaluation of Anti-inflammatory Drugs in Topical Dosage Forms" by Saadia M. Tayel, Samia H. Shalby, Nagia N. Afifi and Hala M. El Sadawy.

**16-** Attending the 8<sup>th</sup> World Meeting on Pharmaceutics, Biopharmaceutics and Pharmaceutical Sciences (PBP) on 19-22 March, 2012 in Istanbul organized by the International Association for Pharmaceutical Technology (APV). A poster was presented by titled "In-vivo evaluation of a formulated bioadhesive fluconazole vaginal tablet" by Nagia N. Afifi, Amna M. Makky, Amira M. Hashad, Rasha S. Hanafi and Khaled M. El Hodeiby

**17-** 3RD CONFERENCE ON INNOVATION IN DRUG DELIVERY: Advances in local drug delivery" Pisa, Italy on 22-25 September, 2013. Presented poster titled: "Formulation of Bioadhesive Vaginal Tablets for Sustained Localized Delivery of Ciprofloxacin Hydrochloride" by Nagia Nagib Afifi and Hadeel Ahmed Anwar.



