

## RESUMES : *CURRICULUM VITAE*

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**Name** : Adel abdel-Wadood Gomaa  
**Date of birth** : 5 / 9 / 1951 .  
**place of birth** : Elminia ,Egypt.  
**Nationality** : Egyptian.  
**Religion** : Muslim  
**Sex** : male  
**Marital status** : married and father of two daughters and son  
**Permanent address** :Fac. of Med. Assiut University , Assiut, Egypt  
**E mail** : [a.gomma@aun.edu.eg](mailto:a.gomma@aun.edu.eg)  
**Mobile Tel.** :00201009534841



### Qualifications :

- 1-B.Pharm. Sc. faculty of pharmacy , Assiut University. June 1974
- 2-M. Sc. faculty of Pharmacy (Pharmacology) Assiut University 1977.
- 3-Ph.D. (Pharmacology) faculty of Pharmacy, Assiut University 1981.
- 4-M.Sc. (Biochemistry) faculty of Medicine, Assiut University 1989.

**Title of Ph.D. thesis** : Studies on the effect of bromocriptine on the pituitary ovarian axis in women with amenorrhea.(Clinical Pharmacology)

- Title of Master:** 1) Study of the combination effect between cardiac glycosides and some ant diabetic agents( **Master of Pharmacology**)
- 2) Effect of aspirin on the urinary excretion and serum concentrations of calcium, magnesium and phosphate.( **Master of Medical biochemistry**)

### *Academic Rank:*

**Full professor since May 1990**

### *Current Position :*

- Emeritus Professor of Medical Pharmacology, Faculty of Medicine, Assiut University
- Director of Research Centre for Geriatric medications

### *Previous Positions :*

- 1--Professor of Pharmacology& Toxicology, Faculty of Pharmacy, Taibah University, Almadinah Almunawwarah ,KSA. Nov.-2007-Aug 2012
- 2-Member of Managing Board of center for Toxicological Research & Studies at Taibah University(Feb-2009- Feb.2012)
- 3-Head of Pharmacology Department, Faculty of Medicine, Assiut University, Egypt, 2007
- 4- Scientific consultant for ESPICO pharmaceutical company (1997-2005)
- 5-Director of Drug Monitoring Lab. of Assiut Hospital University, 1997 –2003
- 6-Supervisor , Pharmacology Dept. Fac. of Medicine, Al-Azhar University ,Assiut(1992-1994)
- 7-Professor of pharmacology, Arab medical university, Benghazi, Libya(1990-1992)
- 8-Professor of Pharmacology ,Faculty of Medicine, Assiut University(1990- )
- 9-Associate Professor in Pharmacology Dept. .Faculty of Medicine , Assiut University(1985-1990)
- 10-Assistant Professor in Faculty of Pharmacy, Connecticut. U.S.A.(1984 -1985)

**11-Lecturer in Dept. of Pharmacology, Faculty of Medicine, Assiut University. (1981-1983)**

**12-Assistant lecturer in Dept. of Pharmacology, Faculty of Medicine, Assiut University(1987- 1980)**

**13-Demonstrator in Dept. of Pharmacology, faculty of Medicine, Assiut University(1974-1977)**

## **Fellowship**

*Postdoctoral fellowship , Faculty of Pharmacy, Connecticut University, USA*

## **Membership**

-British Pharmacological Society( No 16470)

-Egyptian Pharmacology& Experimental therapeutics Society

## **Reviewer**

1-A reviewer for journal of International immunopharmacology (reference:100810-001461)

2- A reviewer for British Journal of Pharmacology

3-A reviewer for Egyptian Universities promotion Committees (since 1996)

4-Member of Egyptian Universities promotion committee (pharmacology) 2004-2007

5- A reviewer for China Medical journal

## **Teaching Experience**

-Teaching different courses of pharmacology and toxicology for undergraduate and graduate medical and pharmacy students in Assiut University (26 years), Al-Azhr University (3 years) , Sohage University( 6 years) , Benghazi, Libya( 2.5 years) and Tiabah university(5 years)

-Teaching clinical pharmacology and therapeutic for clinical pharmacy students( 3 years)

- Teaching 3 courses of clinical pharmacy diploma ( 6 years)

- Participated in designing the syllabus of many pharmacological courses

- Responsible for the designing of courses of Clinical Pharmacy Diploma,

- Advisor for the Clinical Pharmacy Diploma ( 3 years)

## **Detail of courses I have taught.**

1-Pharmacology (General, drugs act on ANS, CVS ,CNS , GIT, Resp., Hormones & chemotherapy)

2-Toxicology (General, Drug induce diseases, interaction, environmental toxicology)

3-Clinical Pharmacy ( Clinical pharmacology, Drug of choice , therapeutics & drug-drug interactions)

- 4-Management of drug side effects
- 5-Biological assays & screening

### **Clinical Experience:**

#### **clinical pharmacology**

- Clinical pharmacology of impotence.
- Medical biochemical laboratory investigations
- Therapeutic drug monitoring:
- Clinical pharmacology of treatment of female infertility

### **Attended courses:**

- Environmental Health Assessment Course organized by UniQuest and Entox , University of Queensland, Australia, May 2011
- Workshop on management of distance learning by Deanship of distance learning, Tiabah University,24/11/1431
- An update of swine influenza workshop, Tiabah University,7/10/2009
- Saudi Heart association in affiliation with the American Heart Association, Cardiopulmonary resuscitation course-awarded certificate of successfully completing the examination, July 2009
- Workshop on applied blended learning for academic staff by Deanship of University development,Tiabah University,29/2/1429
- Quality assurance and accreditation-(Assiut)2007
- Evaluation of teaching workshop(Assiut)-2006
- Management of time and working stresses work shop(Assiut)-2006
- Radioimmunoassay of reproductive hormones course-1990
- Improvement of medical teaching workshop-1982.
- Pharmacokinetics and biopharmaceutic workshop-1982

## **1. Research Activities:**

- My biography is enclosed in MARQOIS Who's Who in Medicine and Healthcare since 2002-
- My Score in Research Gate is 23.62

### **Prizes:**

- 🌟 **AWARDED THE STATE PRIZE of MEDICINAL SCIENCES, 1996**  
*From National Academy of Research & Technology*
- 🌟 **AWARDED THE SCIENTIFIC DISTINCTION PRIZE OF ASSIUT UNIVERSITY 1998**  
*from Assiut University*
- 🌟 **MEDAL OF EXCELLENCY OF FIRST DEGREE from the president of Egypt, 1996**

### **Patent :**

#### **ONE PATENT(No.21979) AND FOUR PATENT APPLICATIONS FOR THE FOLLOWING PHARMACEUTICAL PREPARATIONS:**

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|------------------|---|
| 1. Eroderm cream | For treatment of erectile dysfunction             |
| Patent           | Is registered in MOH Egypt under number 20391/99. |

- |    |                               |  |
|----|-------------------------------|--|
| 2. | <b>Eroderm Plus Cream</b>     | <b>For treatment of erectile dysfunction in aged men</b> |
|    | <b>Patent</b>                 |  |
| 3. | <b>Shifatone Effervescent</b> | <b>Liver Support and for treatment of indigestion</b>    |
|    | <b>Patent App</b>             | <b>Is registered in MOH Egypt under number 284/2001</b>  |
| 4. | <b>COP capsule</b>            | Extra herbal support to combat most withdrawal symptoms  |
|    | <b>Patent App</b>             | <b>Is registered in MOH Egypt under number 285 /2001</b> |
| 5. | <b>N.A.D. Capsule</b>         | <b>Natural anti diabetic preparation</b>                 |
|    | <b>Patent App</b>             | <b>Is registered in MOH Egypt under number 300/2001</b>  |
| 6. | <b>S.P.Man Capsule</b>        | <b>Natural energizer and for treatment of impotence</b>  |
|    | <b>Patent App.</b>            | <b>Is registered in MOH Egypt under number 299/2001</b>  |

### **Projects**

-Centre for Toxicological research & studies at Taibah University  
Approved by Tiabah University Committee in Jan.2009 and Higher scientific committee of KSA in June 2009

### **Current projects**

#### **1-Assessment of anti-obesity potential of some natural cytokines inhibitors”**

Project funded by: STDF( RSTDG).2014

Project number:6913

#### **2-Investigation of influence of natural cytokines inhibitors in Alzheimer’s disease and cognitive dysfunction associated with type II diabetes mellitus**

Project funded by: STDF (RSTDG), 2014

Project number:6897

### **-Articles**

50 articles, most of them published in international journals

Research Gate (RG) Score: 23.62

## ***List of publications***

### **INTERNATIONAL JOURNALS:**

**1-** Influence of dipyridamole and its combination with NO donor or NO synthase inhibitor on adjuvant arthritis.

***International Immunopharmacology* .10,1406-1414 2010**

First author

**2-**Enhancement of the anti-inflammatory and anti-arthritic effects of theophylline by a low dose of a nitric oxide donor or non-specific nitric oxide synthase inhibitor

***British Journal of Pharmacology*. 158, 1835-1847, 2009**

First author

**3-**Dual Effect of nitric oxide donor on adjuvant arthritis

***International Immunopharmacology*, 9, 439-447, 2009**

First author

**4-**The immunopotentiator effects of Nefopam

***International Immunopharmacology* 7,266-271, 2007**

First author

**5-**Improvement of sexual function in partial testosterone deficient aging men treated with cream containing testosterone and vasoactive agents.

***Journal of Men's Health and Gender* Vol.3 No.1, pp. 47-55, 2006**

First author

**6-**Molecular mechanisms in dizocilpine-induced attenuation of development of morphine dependence: an association with cortical Ca<sup>2+</sup>/calmodulin-dependent signal cascade.

***BEHAVIOURAL BRAIN RESEARCH* 152:263-270 , 2004**

**7-** Matricaria CHAMOMILLA extract inhibits both development of morphine dependence and expression of abstinence syndrome in rats

***JOURNAL OF PHARMACOLOGICAL SCIENCES* 92,50-55, 2003**

First author

**8-**The effect of topically applied vasoactive agents and testosterone versus testosterone in the treatment of erectile dysfunction in aged men with low sexual interest.

***INTERNATIONAL JOURNAL OF IMPOTENCE RESEARCH* 13,93-99,2001**

First author

**9-**A selective phosphodiesterase IV inhibitor, rolipram blocks both withdrawal behavioral manifestations, and c-Fos protein expression in morphine dependent mice.

***BEHAVIOURAL BRAIN RESEARCH* 118,85-93,2001**

**10-**Topical treatment of erectile dysfunction: randomised double blind placebo controlled trial of cream containing aminophylline, isosorbide dinitrate, and co-dergocrine.

**BRITISH MEDICAL JOURNAL** June 15,312:1512-1515, 1996

Published as abstract in large number of international medical journals as JAMA, Prescriber's LETTER, Medical Tribune and arznei-telegramm.

IT HAD BEEN BROADCASTED ON B.B.C. AT SUNDAY 10.40 AM ,JUNE 16,1996

And on B.B.C. Arabic section at Sunday 14,15 PM ,June 23,1996 and Monday 5.15 Am also, it has been published in most daily newspapers of Europe and around the world

First author

**11-** Treatment of impotence by Eroderm cream.

**EU.J. CLIN. PHARMACOL** Aug. 47,1 1994 (Abstract)

First author

**12-** Influence of acetaminophen-induced hepatic necrosis on the pharmacokinetics of levonorgestrel **CONTRACEPTION**, 28:149-157,1983.

First author

**13-** A study of interaction between levonorgestrel and ethanol.

**CONTRACEPTION**, 29:535-542,1984.

First author

**14-** The effect of thiobendazol on pain threshold.

**ACTA PHARMACOL.et Toxicol.**, 57: 18-22, 1985.

First author

**15-** Levonorgestrel concentrations in maternal and infant serum during use of implant, Norplant, by nursing mothers.

**CONTRACEPTION**, 33:357-363, 1986

**16-**Effects of commercial insecticide ( Kafrosol) on uterine activity & female sex hormone **AFRICAN J. PHARMACOL.** (Abstract) Vol. 1, Jan. 1986

First author

**17-** Characteristics of analgesia induced by adenosine triphosphate.

**PHARMACOLOGY & TOXICOLOGY**, 61:199-202, 1987.

First author

**18-** Influence of aspirin on the pharmacokinetics of norethindrone.

**CONTRACEPTION**, 35: 611-618, 1987.

First author

**19-**Hormonal changes during the first year of use of subdermal levonoregestrel

**CONTRACEPTION** ,30:391-404,1984

**20-**Adenosine triphosphate blocks opiate withdrawal symptoms in rats and mice.

**PHARMACOLOGY& TOXICOLOGY**, 64:111-115, 1989.

First author

**21-** Effect of aspirin and indomethacin on the serum and urinary calcium, magnesium phosphate. **PHARMACOLOGICAL RESEARCH** 22,1, JAN., 1990

First author

**22-** Modification of morphine-induced analgesia, tolerance and dependence by bromocriptine.

**EUR. J. PHARMACOL.**, Vol. 170,No 3, Nov. 1989

First author

23- Interaction of butorphanol with monoamine oxidase inhibitor, tranylcypromine.  
**FORENSIC SCIENCE INTERNATIONAL**, 49,185- 129, 1991  
First author

### **EGYPTIAN JOURNALS:**

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24-Fluvoxamine, a Selective Serotonin Reuptake Inhibitor Versus Other Antidepressants in the Treatment of Depressed Patients: A Meta-Analysis of Efficacy, Acceptability and Safety

**Assiut University 8<sup>th</sup> International Pharmaceutical Sciences Conference Faculty of Pharmacy, Assiut, March, 14<sup>th</sup>&15<sup>th</sup>, 2012**

25-Characteristics of anti-inflammatory and anti-rheumatic effects of rolapram.  
**7<sup>th</sup> international pharmaceutical science conference of faculty of pharmacy, Assiut university, 2010**

26-Evaluation of therapeutic drug monitoring of Valproic acid : a 6-years experience in upper Egypt **J Egypt Soc. Pharmacol. Exp. Ther.** vol.25, No.2,431-452 ,2004

27-Monitoring antiepileptic drug therapy in upper Egypt : A retrospective 6- years experience with carbamazepine **J Egypt Soc. Pharmacol. Exp. Ther.** vol.25, No.2,319-336 ,2004

28- A study of the combination effects of some anti diabetic agents and digoxin  
Abstract, Annual Meeting of Egypt. Soc. Pharmacy. Exp. There. 1977.

29- Intermittent versus continuous bromocriptine treatment of hyperprolactinemic amenorrhea- A comparative study. **The Egypt. Society of Obstetrics & Gynaecology**, Vol. VI, No.3, 1980

30- Serum prolactin concentration during ovulatory menstrual cycle. **The Egypt. Society of Obstetrics & Gynecology**, Vol. VI, No. 3,1980

31- Clinical and hormonal response to bromocriptine normoprolactinemic amenorrhea  
**The Egypt. Society of Obstetrics & Gynaecology**, Vol. VI, No. 3, 1980.

32- Hyperprolactinemia in secondary amenorrhea and oligomenorrhea. **The Egypt. Society of Obstetrics & Gynecology**, Vol. VI, No. 3, 1980.

33- Antidysrhythmic properties of adenosine, diazepam and their combination in acute animal models. **Assiut Medical Journal**, 7; 55- 65, 1984.

34- Altered adrenergic neuron function by prostaglandin F<sub>1&2</sub>  
**Assiut Medical Journal**, 7:80-86, 1984.

35- The development of tolerance to the anticonvulsant effect of antiepileptic combination. **Assiut Medical Journal**, 8, 111-119, 1985.

36-- Transdermal absorption of levenorgestrel and norethindrone. **Assiut Medical Journal**, 8: 120-125, 1985

37- Hormonal changes during the first year of subdermal norgestrel implant Norplant. **Proceedings of the Symposium on long-term Subdermal contraceptive Implant, Assiut, Egypt, 23-24 February 1984.**

38- Pharmacokinetic interaction of acetylsalicylic acid and levonorgestrel. **Assiut Medical Journal**, 12:97-103,1988.

39- An investigation for the possible action of calcium entry blockers on presynaptic alpha2 adrenoceptors. **Assiut Medical Journal**, 12:37-49, 1988.

40- Bioavailability of chlordiazepoxide hydrochloride suppositories in rabbits. **Bulletin of Faculty of Pharmacy, Cairo University**.32,11-16,1987.

41- The role of corticosteroids in the treatment of burn shock. **Annual Meeting of the Egypt. Soc. Pharmacol. Expt. Soc. Pharmacol. Expt. Ther., 1989**

42- Effect of estrogen and progesterone on sensitivity of alpha adrenergic preceptors in ovariectomized rabbits. *Egypt. J. anesthesia*, 12,3,1989.

43- Pharmacological properties of the newly synthesized ketoxime analogues of beta adrenergic blocker. **Bulletin of Faculty of Pharmacy, Cairo Univ**,3 65-70 1989.

44- Cardiovascular pharmacology of two new soft beta adrenergic blocking agents. **Bulletin of Faculty of Pharmacy, Cairo Univ**,3 59-64 1989.

45- Effects of cyproheptadine on morphine-withdrawal signs. **Assiut Medical Journal**, 14:1, 1990

46- Effect of 5HT antagonist on morphine analgesia, tolerance and dependence. **Egyptian Journal of Anaesthesia, Jan , 102-110, 1995**

47-New approach for management of impotence. **Assiut Medical Journal** (ISSN 1110-0494) vol.19-No.2, 1995

#### **Articles published in Arabic**

48-A prescription contains herbs for smoking cessation (published in Arabic in Assiut journal of environmental studies, Jan.1996, p.113-120)

منشور باللغة العربية

" تذكرة من النباتات الطبية لمن يريد الإقلاع عن التدخين "

مجلة أسبوط للدراسات البيئية - يناير 1996 صفحة 113-120



### **List of Thesis's Supervision**

1-*Research project* :Immunohistochemical analysis of the mechanism of morphine abuse and antimorphine drugs

*Candidate* :Mustafa M. Hamdy

*Degree Awarded & date* : Ph.D., 2001

*School* :Fac. of Medicine

2-*Research project* : Effect of Matricaria Chamomilla extract on opiate dependence

*Candidate* :Esraa El-Ashery

*Degree Awarded &Date* :M.Sc. 2001

*School* : Fac. of Medicine

3-*Research project* :Plasma monitoring of sustained release form of carbamazepine: Influence of phenytoin co-medication.

*Candidate* : Moustafa Abd Ellah

*Degree Awarded & Date* : M.Sc., 1996

*School* : Faculty of Medicine, Assiut Univ.

4- *Research Project* : Effect of some antihistaminics on the cardiac arrhythmia

*Candidate* : Safaa Ahmed

*Degree Awarded & Date* : M.Sc., 1990

*School* : Faculty of Pharmacy, Assiut Univ.

5- *Research project* :Bioavailability of some benodiazepines suppositories.

*Candidate* :Ahamed Shaker

*Degree Awarded & Date* : M.sc., 1988

*School* : Faculty of pharmacy, Assiut Univ.

6- *Research project* : Role of corticosteroids in the treatment of burn shock

*Candidate* :Abdel Baset Ahmed

*Degree Awarded & Date* : M.sc., 1989.

*School* : Faculty of Medicine, Elminia University

7- *Research project* : Pharmacology properties of newly synthesized beta adrenergic blockers.

*Candidate* : Mohamed Khalifa

*Degree Awarded & Date* : Ph.D., 1989.

*School* : Faculty of pharmacy, Assiut Univ.

8-*Research project* :effect of non opioid analgesic, nefopam on immunofunction

*Candidate* : Asra Ahamed

*Degree Awarded & Date* : M.Sc., 2006

*School* : Faculty of Medicine, Assiut Univ.

9-*Research project* :Pharmacovigilance of 5HT inhibitors

*Candidate* : Rania Abdel Menam

*Degree Awarded & Date* : M.Sc., june,2007

*School* : Faculty of Medicine, Assiut Univ.

10-*Research project* :Investigation of potential therapy of phosphodiesterase Inhibitors , nitric oxide and their combination in auto Immune diseases

*Candidate* : Romany Halmy

*Degree Awarded & Date* : Ph.D., November,2009

*School* : Faculty of Medicine, Assiut Univ.

## **Books**

Editor and contributor in the following books:

1. *Spotlight on Pharmacology.*
- 2-*Experimental Pharmacology.*
- 3.Principles of Toxicology