

Curriculum Vitae
Prof. Dr. Hoda EI-Bahrawy



I. Personal Data

Full Name: Hoda Abd EI-Kader Basha EI-Bahrawy

Date of Birth: July 14, 1955 - Tanta, Egypt

Nationality: Egyptian

Marital Status: Married, 4 children

Current Position: Professor and head of Biochemistry Department,
Faculty of

Pharmacy, University of Tanta, Egypt Permanent Address: 6 Mostashfa
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II. Academic Qualifications

Ph.D. Tanta University, Egypt. July, 1996, Pharmaceutical Sciences (Biochemistry).

M.Sc. Tanta University, Egypt. June, 1985, Pharmaceutical Sciences (Biochemistry).

B.Sc. Faculty of Pharmacy, Tanta University, Egypt. June, 1978 † Pharmaceutical Sciences .

III. Professional Experience Academic Positions :

Head of Biochemistry Department, Faculty of Pharmacy, Tanta University † December, 2006 to date .

Professor of Biochemistry, Faculty of Pharmacy, Tanta University † November, 2006 to date .

Manger for the responsibilities of the Biochemistry Department, Faculty of Pharmacy, Tanta University, from December, 2001- December, 2006

Associate Professor of Biochemistry, Faculty of Pharmacy, Tanta University † October, 2001 - 2006 .

Lecturer of Biochemistry, Faculty of Pharmacy, Tanta University † September, 1996 - December, 2001 .

Assistant Lecturer of Biochemistry and Pharmaceutical Chemistry, Faculty of Pharmacy, Tanta University, June, 1985 - September, 1996 .

Instructor of Biochemistry and Pharmaceutical Chemistry, Faculty of Pharmacy, Tanta University .

Membership in Professional Associations:

Egyptian Syndicate of Pharmacist

Egyptian Pharmaceutical Society

Egyptian Society of Clinical Chemistry

Egyptian Society of Biochemistry & Molecular Biology

The Egyptian Society of Experimental Biology

Teaching Activities

Courses Taught for Undergraduate & Graduate Students :

Teaching Biochemistry for Undergraduate Students .

Teaching advanced course in Biochemistry for Graduate Students .

Teaching Clinical Pathology for undergraduate Students .

Supervision of graduate students activities & Tutorials .

Sharing in oral evaluation of undergraduate students in Biochemistry, Clinical Chemistry, Clinical Pathology, Terminology & Drug Information .

Preparation of Course specifications of Biochemistry and Clinical Pathology for undergraduate & graduate students .

Author of Biochemistry notes (theoretical & practical) and Clinical Pathology .

Annual Development and re-newel the course contents of Biochemistry .

Putting and evaluation of the written exams in Biochemistry for both Graduate & undergraduate students .

Management & organization of the Annual Scientific Conference of the Department of Biochemistry .

Research Experience

Supervision of graduate students for Master & Ph. Degrees .

Participation in designing many research protocols for both Master & Ph . Degrees .

Participation in one of the Research Projects which are managed by Tanta University, under the title of "Biochemical study of the prevalence of hyper-homocysteinemia as risk factor for cardiovascular disorders III Egyptians . "

Participation III Scientific and Professional Conferences III Clinical Chemistry, Biochemistry and Molecular Biology .

Participation in training courses & Molecular Biology .

Participation in training courses of the "Faculty & Leadership Development Project ."

Participation in supervision of (16) Master Theses and (7) Ph. D. Theses in Faculties of Pharmacy, Medicine and Science .

Author of (26) articles in Scientific Journals .

Theses Supervised

A) Theses for Ph. Degree (Discussed & Granted):

a- in Faculty of Pharmacy, Tanta University, Egypt :

Significance of the Circulating Levels of Brain Natriuretic Peptide in Diagnosis and Management of Congestive Heart Failure. Department of Biochemistry. Granted in May/2005 .

Monitoring of Some Biochemistry Changes during Hypoxia and Reoxygenation in Rat. Granted in August/2007 .

b- In Faculty of Medicine, Tanta University, Egypt :

Study of the Effect of Angiotensin Converting Enzyme Inhibitors (ACE-I) and Angiotensin Receptor Blockers (ARB) on Plasma Nitric Oxide (NO) and Lipid Peroxidation Status in Diabetic Rats. Granted in March/2007 .

Non Invasive Markers of Inflammation in Monitoring Bronchial Asthma in Pediatric Age. Granted in June/2004 .

Study of Serum Tumor Necrosis Factor-Alpha, Nitric Oxide and Free Radical Scavengers in Neonatal Sepsis before and after Therapy. Granted in December/2003 .

B) Theses for Master Degree (Discussed & Granted):

a- In Faculty of Pharmacy, Tanta University, Egypt :

A Biochemical Study on the Effect of Some Antioxidants on the Antiinflammatory Action of Some Currently Used Nonsteroidal Antiinflammatory Drugs. Granted in May/2001

The Role of Chromium in Treatment of Diabetes Mellitus. Granted in October/2003 .

A clinical Study on the Effect of Pentoxifylline on the Potential Role of Tumor Necrosis Factor-Alpha in the Pathogenesis of Diabetes Mellitus Metabolic- Disturbances. Granted in October/2004 .

A Biochemical Study on the Effect of L-Carnitine and Pyruvate on Body Weight, Fat and Carbohydrate Metabolism and Mitochondrial Activity of Obese Rats. Granted in January/2006 .

Antitumor Efficacy of a Novel Ruthenium Complex: Ruthenium-Bipyridyl-Benzaldehyde, in Mice Bearing Ehrlich Ascites Carcinoma. Master Degree, Department of Biochemistry, Faculty of Pharmacy, Tanta University, August/2008 .

b- In Faculty of Medicine, Tanta University, Egypt :

Comparison of Some Antioxidants in seminal Plasma III Fertile and Infertile Men. Granted in October/1999 .

Study of the Role of Some Excitatory Amino Acids and Free Radicals among Patients with Multiple Sclerosis. Granted in January/2005 .

Pyruvic acid versus Salicylic acid Peels in the Treatment of Acne Vulgaris .

Granted in December/2005 .

A Study of the Role of Homocysteine in Pathogenesis of Ischemic Stroke .

Granted in August/2006 .

Trace Elements and Antioxidants III Infants and Children with Down Syndrome. Granted in November/2006 .

c- In Faculty of Science, Tanta University, Egypt :

Effect of Refeeding with or without L-Carnitine on Mitochondrial Electron Transport Chain in Hypoenergetic Feeding Rats. Master Degree , Department of Biochemistry, Faculty of Science, Tanta University, March/2008 .

C) Theses for Ph. Degree (Still in Progress) :

a- in Faculty of Pharmacy, Tanta University, Egypt :

A Biochemical Study on the Effect of Some treatments on Bone Resorption and Formation in Osteoporotic Rats .

Role of Peroxisome-Proliferators Activated Receptors and Some Nonsteroidal Antiinflammatory Drugs III Treatment of Muscle Inflammation

D) Theses for Master Degree (Still in Progress):

a- In Faculty of Pharmacy, Tanta University, Egypt :

Biochemistry Effects of Peroxisome Proliferator Activated Receptor Gamma Ligands in Rats with Hyperhomocysteinemia .

Effects of Some Currently Used Antiinflammatory Drugs on Biochemical Parameters and on Hepatic Peroxisomal Enzymes of Rats .

Evaluation of the Effects of Inhaled Long Acting Beta, Agonists, Anticholinergics and Corticosteroids on Bronchial Responsiveness and Inflammatory Mediators in Patients with Asthma .

Effect of the Quantity and Source of Caloric Intake on Tumor Progression in Mice. Master Degree, Department of Biochemistry, Faculty of Pharmacy, Tanta University, 2008 .

Seminars

A. "Upgrading Higher & Pre-Higher Education". Academy of Scientific Research & Technology, Cairo, Egypt, March 2005 .

B. Sharing in the supervision and discussion of the seminars of Biochemistry Department, Faculty of Pharmacy, Tanta University as follows :

Coronary heart diseases; predisposing factors and role of lipoproteins and antioxidants (1998).

Renin-angiotensin system and enzyme inhibition (1999).

Hepatic microsomal enzyme induction, enhancement of oxidation and

peroxisomal proliferation (2000).

Lipoproteins, lipid profile and heart disease (2000).

Apoptosis (2001).

Tumor markers (2001) .

Cancer and immunity (2002).

Clinical significance of troponins (2003).

Homocysteine is a new risk factor for a variety of diseases (2003). 10.

Biochemical markers of bone turnover (2004) .

Electrophoresis (2004).

Genetically modified foods and biopharming (2004).

Heat shock proteins (2004) .

Brain Natriuretic Peptide in Diagnosis and Management of Congestive

Heart Failure (2005) .

Fat, Carbohydrate Metabolism & Mitochondrial Activity (2005) .

Peroxisome Proliferator Activated Receptors (2006).

Bone Resorption and Formation (2006) .

Some Biochemistry Changes during Hypoxia & Reoxygenation in Rat

Collagen and collagen-related diseases (2007) .

Bird Flu (2007).

Biosignaling (2007).

Adipocytokines & Diabetes Mellitus (2008).

Tumor development and caloric intake (2008).

Proxisome proliferators activated receptors & inflammation (2008).

Breast Cancer (2009).

Liver Fibrosis (2009).

Workshops & Training Courses

Workshop of "Molecular Biology". Institute of Graduate Studies & Research, University of Alexandria, Egypt, March 23-27, 1997 .

Workshop of "Principles of Biotechnology Techniques & Applications ."

Academy of Scientific Research & Technology, Cairo, Egypt, March 5-7 , 2006.

Workshop of "Clinical Audit". Medical Technology Center, Medical Research Institute, University of Alexandria, Egypt, April 10-11, 2007 .

Workshop of MS-Expression Program for e-content. Development Center ,Tanta University, August 18-29,2008 .

Training Courses of the "Faculty and Leadership Development Project " (FLDP), Tanta University :

Effective Presentation Skills (3-6/4/2005).

Recent Trends in Teaching (16-19/4/2005) .

Use of Information Technology in Teaching (3-6/9/ 2005). 4- Legal Aspects in the Universities (12-14/9/ 2005) .

Development of Intellectual Skills (20-22/12/2005) .

Professional Ethics in University (18-20/3/2006) .

Scientific Research Management (15-17/4/2006) .

Quality Assurance and Accreditation (17 -19/5/ 2006).

Course and Curriculum Design (27-29/6/ 2006) .

Decision Making and Problem Solving (11-13/6/ 2007).

Time and conference Management, October 21-23, 2007 .

Strategic Planning, March 23-29, 2008 .

Conference Organization, May 7-11, 2008 .

Credit Hour System, June 23-25, 2008 .

Attendance or Participation in Conferences

" Conference of Pharmaceutical Sciences, December 8-10, 1998, Cairo, Egypt ."

"The Third Annual Meeting of the Association of Colleges of Pharmacy in the Arab World, October 14- 16, 1999, Tanta, Egypt "

" Scientific Congress International Meeting of the Egyptian Society, February 12- 14,2000, Cairo, Egypt .

" IV International Conference, the Mediterranean Society of Tumor Markers. Oncology, Royal Society of Medicine, July 22- 24, 2000, London, UK .

"FIP's so" International Congress, August 26-31, 2000, Vienna, Austria ."

"Alexandria Second International Conference of Pharmaceutical Sciences and Technology, October 25- 27, 2000, Alexandria, Egypt ."

"International Congress of Federation of African Societies of Biochemistry and Molecular Biology, November 14- 16, 2000, Cairo, Egypt ."

" Scientific Congress 'International Meeting' of ESCC Laboratory Medicine in the Third Millennium, February 10- 12,2001, Cairo, Egypt".

"First International Clinical Conference, May 4- 5, 2001, Beirut , Lebanon "

"The s" National Conference of Biochemistry and Molecular Biology" May, 4-6, 2002, Cairo, Egypt .

" International Pharmaceutical Sciences" December, 17 - 2002 ,Cairo, Egypt" .

" The Annual National Conference of the Egyptian Society of Biochemistry & Molecular Biology (ESBM)". December, 26/2002, Cairo, Egypt .

"The First International Congress on Medical Diagnostic Equipment, Laboratory, Radiology & Ultrasonography". December, 13-15, 2003, Cairo, Egypt .

"Al-Azhar 3rd International Conference for Pharmaceutical and Biological Sciences. December, 16-18, 2003, Cairo, Egypt " .

"Annual Scientific Congress of the Egyptian Society of Biochemistry Molecular Biology (ESBMB)." April, 24-25,2004, Cairo, Egypt .

" National Conference of Biochemistry and Molecular Biology & their Role in Development and Environment." October, 3-5,2004. Cairo, Egypt.

"Annual Scientific Conference". April 1-2,2004, Tanta, Egypt " .

"The Scientific Congress of ESCC (International Meeting) December, 11-13, 2004, Cairo, Egypt " .

"The 29th Conference of Pharmaceutical Sciences". December, 21-23/2004, Cairo, Egypt" .

"The 8th Conference of Colleges of Pharmacy In the Arab W orld " . December, 21-23/2004, Cairo, Egypt .

"Annual International Conference of the Egyptian Society of Biochemistry & Molecular Biology". April 28-29/2005, Cairo, Egypt .

"World Congress of Pharmacy and Pharmaceutical Sciences 2005 ." September, 8,2005. Cairo, Egypt .

"The National Conference of Biochemistry and Molecular Biology " . March, 5-7, 2006. Cairo, Egypt .

"The Annual Conference of the Egyptian Society of Biochemistry and Molecular Biology (ESBMB)." April 19-21, 2006, Cairo, Egypt .

The 8th International Conference of Biochemistry and Molecular Biology and their Role in Development and Environment. Cairo, Egypt ‘ March 4-6, 2008 .

The second International Environment forum: New Environmental Horizons of Sustainable Development. University of Tanta, Egypt, November 27-29,2008 .

International Conference for Enhancing Scientific Research : Innovation & Development. University of Tanta, Egypt , March 4-5,2009 .

Annual Scientific Conference on Recent Advances in Biochemistry & Molecular Biology". Egyptian Society of Biochemistry & Molecular Biology'. April 28-29/2009, Cairo, Egypt .

List of Publications

Haggag AA, Mohamed HF, EI-Dawy MA and EI-Bahrawy HA . Biochemical Studies on the Antiinflammatory Activity of Salicylates as Superoxide radical Scavengers. IRCS Med Sci 14: 1104-1105,1986 .

Gamei MM, EI-Bahrawy HA, Ameen TA and Abd Rabboh FA . Evaluation of Some Antioxidants in Seminal Plasma of Fertile and Infertile Oligoasthenozoospermic Men. J Pan-Arab Dermatologists 10(1): 29-37, 1999 .

EI-Bahrawy HA and EIKholy R. Effects of Atenolol and Chlorthalidone as Mono and Combined Therapy on Some Microsomal Metabolizing Enzymes and Some Biochemical Parameters in Rats. Egypt J Biomed Sci 4: 168-182, 1999 .

Haggag AA, Mohamed HF, EI-Dawy MA and EI-Bahrawy HA. Binding Characteristics of Some Nonsteroidal Antiinflammatory Drugs to Human Serum Albumin. Mansoura Pharm Sci, 16(1): 23-36, 2000 .

Taha MM, EI-Gendy HM, EI-Nomany SM and EI-Bahrawy HA. Effect of Inhalation Anesthesia and Plasma Fluoride Concentration on the Renal Function in Patients with Impaired Renal Function. Arab J Lab Med 26(3): 287-295,2000 .

Haggag AA, EI-Bahrawy HA, EI-Ashmawy NE and Khedr EG . Modulation of Oxidant Status by Diclofenac and Tolmetin Sodium as Mono or Combined Therapy with Either Vitamin C or E in Experimentally Induced Inflammation Alex J Pharm Sci 14(2):141-145,2000 .

Mabrouk MM, EI-Bahrawy HA. High Performance Chromatographic Determination of Mitomycin-C. FIP's so" International Congress, August 26- 31, 2000, Vienna, Austria .

Haggag AA, EI-Bahrawy HA, EI-Ashmawy NE and Khedr EG. A Biochemical Study on The Antiinflammatory and Antioxidant Activities of Some Currently Used Nonsteroidal Antiinflammatory Drugs and Vitamin (C&E). Egypt J Biochem 18(2): 229-244, 2000 .

EI-Bahrawy HA and Emara AM. Oxidative Damage in Brain and Liver of Developing Young and Adult Rats Exposed to Pyrethroids Aerosol. Egypt J Biochem 18(2): 245-260, 2000 .

EI-Bahrawy HA, El-Sawy Sand El-Shafay A. Effect of Dimethyl Diphenyl Bicarboxylate (DDB) on Hepatic Antioxidant Status and on Carbon Tetrachloride Induced Hepatotoxicity in Rats. Egypt J Biotechnol 9(January): 172-185,2001 .

Hoda A. EI-Bahrawy. Effects of Various Physiological Sulfur-Containing Compounds on the Metal-Mediated Oxidative Modification of Low Density Lipoprotein. Alex J Pharm Sci 15(1): 81-88, 2001 .

EI-Bahrawy HA and Mabrouk MM. Spectrophotometric Determination of Diazepam, Dextromethorphan and Trihexphenidyl in Spiked Human Plasma. First International Clinical Conference, May 4- 5,2001, Beirut, Lebanon .

Radwan NM, EI-Agamy OA, EI-Gohary TM and EI-Bahrawy HA. Lead Exposure and Neurobehavioral development in School Children. J Ped Club 2(2): 85-93,2002 .

Shebl SS, Rowisha M, EI-Bahrawy HA and EI-Mahdy H. Study of Some Early Diagnostic Predictors and Role of Antioxidant Therapy in Neonatal Sepsis. Alex J Ped 18(1): 243-251, 2004 .

EI-Bahrawy HA, Ibrahim OM, Fadel Wand Rahal S. Pentoxifylline, A Phosphodiesterase Inhibitor, Improves Glucose Homeostasis and Dyslipidemia by Suppressing Tumor Necrosis Factor-Alpha in Type-2 Diabetes. EJBMB, Proceeding of the 6th National Conference of Biochemistry and Molecular Biology: 109-124,2004 .

Awara WM, Ibrahim OM , EI-Bahrawy HA, EI-Sheikh E and Abou Raya DM. Effects of Chromium and Lipoic acid Supplementation on

Hyperglycemia, Dyslipidemia, Fibrinolysis and Oxidative Stress in Type 2 Diabetes Mellitus. *EJBMB* 22: 378-402,2004 .

EI-Ashmawy NE, EI-Bahrawy HA, Haggag AA and Abd EI-Moneim FF . Comparative Study of the Hepatoprotective Effect of Propolis Versus Cholchicin in Chemically-Induced Liver Cirrhosis. *EJBMB*, Proceeding of the 6th National Conference of Biochemistry and Molecular Biology: 125-142 , 2004.

EI-Batch M, Abd-Alla M, Hassen A, EI-Bahrawy HA and Kotb N . Homocysteine, Cystatin C and PVU II, Lipoprotein Lipase (LPL) gene Polymorphism as Predictors of Microalbuminuria in patients with NonInsulin Dependent Diabetes Mellitus. *EJBMB* 2: 519-541, 2005 .

EI-Bahrawy HA, EI-Ashmawy NE, Abu-Matti T, EI-Matwally A and Khalil RM. Antitumor Efficacy of a Novel Ruthenium Complex, Ruthenium Complex, Ruthenium Bipyridyl-Benzaldehyde, in Mice Bearing Ehrlich Ascites Carcinoma. *EJBMB* 23: 542-559,2005 .

EI-Ashmawy NE, EI-Bahrawy HA, Haggag AA and Fathy N. Effect of Diet Regimen and Some Dietary Supplements on Body Weight and Some Energy Linked Metabolic Processes in Obese Rats. *EJBMB* 23(Special Issue :(560-583), 2005.

EI-Bahrawy HA, Abou Sikeena M, Farag Sand EI-Assy H. A . Comparative Study of the Anti-inflammatory Effect of Beclomethasone, Salmeterol and Theophylline in Asthmatic Children. *EJBMB* 23(2): 123-140 , 2005.

Hawas S, Abd Allah M, Ghoname NF, EI-Bahrawy HA and EI-Beshlawy WF. The Critical Role of Pro- and Anti-Apoptotic Mediators in PBMCs in Patients with Multiple Sclerosis. *EJMM* 14(1): 262-271, 2005 .

EI-Bahrawy HA, EI-Ashmawy NE, Abo-Hashem EM, EI-Kannishy GM, Houssen ME. Significance of Circulating Levels of N-Terminal Pro-Brain Natriuretic Peptide and Cyclic Guanosine Monophosphate as Prognostic Markers of Congestive Heart Failure. *Arab J Lab Med* 31(2): 211-225,2005 .

EI-Bahrawy HA and Farhat AA. Evaluation of Airway Inflammation and Chronic Hypoxemia in Smokers and Nonsmokers with Chronic Obstructive Pulmonary Disease. *Arab J Lab Med* 32(1): 59-73,2006 .

El-Bahrawy HA, El-Sisi AE, El-Dosuki K and Abou El-Seaud KA .
Antitumor Activity of Dietary Grapes Against Ehrlich Ascites Carcinoma
in Female Swiss Albino Mice. EJBMB 24: 83-106,2006 .

Haggag AA, El-Bahrawy HA. El-Ashrrawy NE and Khedr EG. A
Biochemical Study on Cardiac Adaptation to Acute Hypoxia in Rats.
EJBMB 24: 603-622, 2006 .

Ashraf Emara and Hoda El Bahrawy. Green tea attenuates
benzeneinduced oxidative stress in pump worker. Journal of
Immunotoxicology , 5: 69-80. 2008.

EL-Batch M, Mohamed MT, EL-Bahrawy Hand EL-Sayed W. Effect of
protein re- feeding with or without L-carnitine on mitochondrial electron
transport chain in hypoenergetic and hypoprotein feeding rats . EJBMB
26 (SUPPL): 486-503, 2008.