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**Moamar**

[Moamar.303566@2freemail.com](mailto:Moamar.303566@2freemail.com)

**Profile**

Biochemistry Lecturer at Dongola University-Sudan, PhD in Applied Medical Chemistry at MRI (Medical research Institute) of Alexandria University- I have broad experience in, biomedical research ,biochemistry, Fish Boilogy and animal physiology, with reasonable experience in teaching in English

**Areas of Expertise**

Teaching Chemistry Biomedical research Biology   
Biochemistry Pharmaceutical industry Quality Control GMP and GLP procedure

**Professional Experience**

**15 years age: 40**

**Lecturer of Biochemistry**

Oct 2008 to Current **Dongola University**

Dongola, Northern State

- Give lectures Prepare and demonstrate lab sessions on Biochemistry and general Chemistry for medical students

- Lead tutorial groups

- Prepare theoretical and practical examinations

- Perform research work Technical management of the biomedical research center of the University of Dongola.

- Participate in the department meetings on examination results recording and announcing

- Participate in developing curricula of Biochemistry, Biology and general Chemistry

from Jan 2009 to August 2011

* **Scientific Consultant and Trainer**:

For the Sudanese Standards and Metrology Organisation. as consultant training expert for the food and water analysis labs Dongola branch.. took part in the establishment and setting up of all instrumentation in the branch with emphasis on HPLC and TLC analysis of food contaminants. in the same period I trained the staff on the calibration and maintenance process of all laboratory facilities including incubators, balances and centrifuges besides pHmeters , HPLC , Thermal Balances and other analytical systems.

* **Chief Research Chemist**

February 2003 to January 2009

**Assiut UNiversity**

Egypt - Assiut fine analysis laboratory, Department of Biochemistry, Faculty of Medicine.  
Assiut University.

Performed: Opreation of all research lab facilities and equipment including: pH meters, Spectrophotometers, ELISA readers, Densitometers, HPLC, atomic absorption spectrophotometer besides protein analysis units.

Contacting suppliers and inspecting newly purchased equipment and do installation and regular maintenance work of instruments.

Giving practical training sessions on instrumental analysis and physiochemical methods for postgraduatestudents of the department and for students of related institutions from Egypt and Arab countries.

**Achievements**:

Modernization and updating the fine analysis laboratory equipments and the establishment of QC procedurals for GLP in the research labs of the Biochemistry department and the introduction off the first molecular biology units in the laboratory and giving training for staff members on using the molecular techniques .

* **Quality control analyst**

September 2003 toNovember 2004

**T3A Pharmaceuticals T3A Pharmaceutical Co**

* Perfprming quality control testing and analytical method validation processes for both analytical and industrial processes.
* Observing for conformation and reporting to the quality assurance authority in cases of deviation.
* Performing stability studies on the finished products for assuring the validity of the product.
* Performing the “In Process Control” works including inspection for physical conditions in the production area.
* Inspection of warehouse for raw material conformity.

The following techniques were routine work:

- Material finger print by IR spectrometer.

-Analyzing raw material and finished products for water content by Karl Fischer technique.  
-Analyzing retained samples for stability by UV/Vis spectrophotometry.

-Analyzing RO water for TDS, conductivity and pH.

-Validating clean steam for dissolved and non-dissolved substances.

-Analyzing raw material and finished product for endotoxin (LAL test).

**Achievments**:

Participation in all audits and passing the European Union audit in 2004

* **Chemistry and Biology Teacher**

March 2001 to Feb 2003

- British Scool in Al Agamy- Alexandria Egypt IGSCE for chemistry and Biology classes 10-12

Evaluating students

Determining the suitable teaching method

Explaining the curriculum

Preparing students for the exams

**Education**

**Bachelor of Science**: **Chemistry and Zoology**,1999

**Faculty of Science**-Assiut,Egypt

Chemistry: Inorganic Chemistry, Organic chemistry, Physical chemistry, nuclear chemistry, biochemistry  
Biology: cell biology, anatomy, histology, physiology, comparative anatomy, systematics, Ecology- graduation training: 6 weeks on scanning electron microscope at the Em unit of Assiut University

**Master of Science**: **Biochemistry and Physiology**,2009**Faculty of Science**-Assiut,EgyptZoology, Animal physiology, research titled: "**Physiological and Biochemical effects of Copper (I) nicotinate complex on skin burns in an experimental model**" . During the study I prepared many kits for the work, such as Greiss reagent for nitric oxide determination and bromocresol green for albumin determination. the main focus of tha…etc. the main focus of that research was to explore systemic as well as histologic changes accompanying the healing process in two preparations , the first is the MEBO ointment produced by GUlPHAR company in UAE, and the second is a well-established antioxidant prepared in the laboratory according to the method defined by its inventors Gohar and Dratovisky to point out the difference in the healing up stages and the biochemical and molecular mode of action of both. The new data revealed that kidney functions were irrelevant to the healing process and no linearity was observed while liver functions tests showed that liver remains far from normal for longer than the healing time course. My results showed difference between the two compounds at the local tissue where initiation of angiogenic factors was discovered the point that could for the first time explain the very high potency of MEBO as healing factor in treatment of skin burns. While on the other side antioxidants action was found to be mediated by their action on limiting the extent of tissue damage from the infancy via capturing the peroxide radical mediator which was ascertained in this study on positive control group to be the moving force for the spread of tissue damage made by the heat.

**PhD of Applied Medical chemistry**:

Passed all preparatory and credit hour courses for the PhD program in the Medical Research Insitute MRI-Alexandria –Egypt. Total credit points 240 point

The courses passed were as follows:

**Training and workshops**

* **6 weeks training on Electron microscopy techniques at the EM unit of Assiut university 1997 included preparation of tissue samples from scratch till the magnification stage and through the fixation process for both scanning and transmission microscopes**
* **6 months training at Dr Khidr Clinical labs in Agamy –Alexandia from July 1999 to Jan 2000**
* **6 months research project in Physical Chemistry 1999 “Thermal decomposition of ammonium metavanadate” Aaiut University**
* **4 days workshop on molecular biology at the Molecular biology unit at Assiut University 2003**
* **3 days workshop on dark room imaging systems for molecular biology analysis at DELTA Group Alexandria 2005**
* **Workshop on Protein Analysis At Medical Technology Centre Alexandria University 2007**
* **Workshop on Medical nanotechnology Medical Technology Centre Alexandria University 2012**

**Languages**

English: Fluent. IELTS 7

German: Basic

Spanish: Basic

**Affiliations**

Dongola University- Faculty of Medicine- Department of Bochemistry- Dongola- Sudan  
Medical Research Institute-Alexandria University-Alexandria-Egypt

**Publications**

1-Oral presentation:**Physiological and Biochemical Changes in Thermal Skin Burn Rats**. Assiut

University.October 2008.Second Annual Conference for Young Scientists, "Basic Sciences and Technology".  
2-**Time-dependent morphological and biochemical changes following cutaneous thermal burn injury andtheir modulation by copper nicotinate Complex: An Animal Model**. 2012. Muammar

A. Y. Nassar, Heba M. SaadEldien, Hanem S. Abdel Tawab, Tahia H. Saleem, Hossam M. Omar, Ahmed Y. Nassar, Mahmoud Rezk Abdelwahed Hussein. Ultra structural Pathology.Vol. 36, No. 5, Pages 343-355.

3-**Protective effects of copper (I)- nicotinate complex against- aflatoxicosis**. Ahmed R Shatat, Ahmed Y Nassar,Heba M Saad El-Din, Muammar Y Nassar, Amany O Mohamed. The Open Toxicology Journal, 2013, 6.

4- **Copper(I)-Nicotinate Complex Exhibits MoreProphylactic Effect than Butylated hydroxytoluene Against Nephrotoxicity in Chronically AflatoxicosedRats**. Ahmed Y. Nassar , Ahmed M. Ali, Allam A. Nafady , Mona A. El-Baz , Yousif S. Mohamed , Fathy F. Abdel Latif ,Abdel Haleem M. Hussein and Muammar Y. Nassar. Global Advanced Research Journal of Medicine and MedicalScience. 2014; 3(9) pp. 251-261.

5- **Copper (I)-Nicotinate Complex Promoted the Synthesis of Aflatoxin M1 and Q1 More Efficiently thanButylated hydroxytoluene in Afaltoxicosed Rats**. Ahmed Y. Nassar , Ahmed M. Ali, Allam A. Nafady , Mona A.El-Baz , Yousif S. Mohamed , Fathy F. Abdel Latif , Abdel Haleem M. Hussein and Muammar Y. Nassar. GlobalAdvanced Research Journal of Medicine and Medical Science. 2014; 3(10) pp. 298-307.

6-**Serum amino acid profile in rats with skin scald burn treated by MEBO topical ointment**.

Muammar A YNassar, Hosam El Din M Omar, Heba M Saad El Din, Hanem Mohamed, Tahia Hashem Sleem. Under press

**Personal Information**

Hobbies: Reading- sports: Jogging, Boxing

Dongola University- Faculty of Medicine Date and place of birth: 25-11-1975- Assiut. Egypt- Nationality: Egypt-Marital Status: Married

**Skills**

MS Office – SPSS- Origin