

**CURRICULUM VITAE**

* ***Name****:*  **Ahmed Mohamed Rashad Ali**
* ***Name of scientific publishing:* Ahmed M. Ali**
* ***Birth Day***: 24 / 07 / 1982
* ***Passport No.:*** 4176963
* ***Marital state:*** Married, One child
* ***Military state:*** Exempt
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***Current Appointment***

* Lecturer of Biochemistry, Chemistry Dep., Faculty of Science, Al-Azhar University, Assiut, Egypt.

***Former Appointments***

* October 2015 till now Lecturer of Biochemistry in the Chemistry Department, Faculty of Science, Al-Azhar University, 71524 Assiut, Egypt.
* 2010 - 2015 Assistant Lecturer of Biochemistry in the Department of Chemistry, Faculty of Science, Al-Azhar University, 71524 Assiut, Egypt.
* 2006 - 2010 Demonstrator in the Department of Chemistry, Faculty of Science, Al-Azhar University, 71524 Assiut, Egypt.

***Education***

* **PhD (2015)** in Biochemistry, Faculty of Science, Minia University, Egypt Research thesis entitled "The role of copper (I) -nicotinate complex on metabolism of Aflatoxin B1 in the living body".
* **Preliminary Ph.D of Biochemistry (2012)** in Biochemistry department, Faculty of Science, Minia University.
* **M.Sc. (2010)** in Biochemistry, Faculty of Science, Al-Azhar University, Assiut, Egypt. Research thesis entitled "Experimental detoxification trials from aflatoxicosis".
* **B.Sc. (2005)** Special Chemistry, Faculty of Science, Al Azhar University, Assiut branch, Excellent with honors degree.

***Laboratory techniques and skills***

* ELIZA readers and immunoassays
* UV Densitometers for documentation and analysis of protein and DNA gel, paper or TLC
* Chromatography techniques: paper, thin layer and HPLC plus Gas chromatography
* Atomic absorption for trace element analysis
* Potentiometry: pH meters and Conductometers
* Microscopy and Histology
* Electrophoresis

***Experience in the field of medical analysis:***

***Training in clinical pathology laboratories, Assiut University Hospital (1-30 May 2010):-***

* Chemistry laboratory.
* Hematology laboratory.
* Microbiology laboratory.
* The withdrawal of blood samples, unit.

***Teaching Practical***  ***Courses***

I am teaching the following practical courses for the undergraduate students:

* Identification of simple solid organic compounds
* Identification of simple liquid organic compounds
* Synthesis of hetero compounds
* Separation of mixtures of organic compounds
* Identification of simple inorganic compounds
* Separation of mixtures of inorganic compounds
* Estimation of organic and biochemical compounds
* Practical Biochemistry course

***Teaching Theoretical*** Courses

I am teaching the following theoretical courses for the undergraduate students:

* **Biochemistry course**
* Organization of life. Importance of water. Cell structure and organelles. Structure and function of biomolecules: Amino acids, Carbohydrates, Lipids, Proteins and Nucleic acids.
* Biochemical separation techniques and characterization: ion exchange, size exclusion and affinity chromatography, electrophoresis, UV-visible, fluorescence and Mass spectrometry.
* Protein structure, folding and function: Myoglobin, Hemoglobin, Lysozyme, Ribonuclease A, Carboxypeptidase and Chymotrypsin.
* Enzyme kinetics including its regulation and inhibition, Vitamins and Coenzymes.
* Metabolism and bioenergetics. Generation and utilization of ATP. Metabolic pathways and their regulation: glycolysis, TCA cycle, pentose phosphate pathway, oxidative phosphorylation, gluconeogenesis, glycogen and fatty acid metabolism.
* Metabolism of Nitrogen containing compounds: nitrogen fixation, amino acids and nucleotides. Photosynthesis: the Calvin cycle.
* Biological membranes. Transport across membranes. Signal transduction; hormones and neurotransmitters.
* DNA replication, transcription and translation. Biochemical regulation of gene expression. Recombinant DNA technology and applications: PCR, site directed mutagenesis and DNAmicroarray.
* Immune system. Active and passive immunity. Complement system. Antibody structure, function and diversity. Cells of the immune system: T, B and macrophages. T and B cell activation. Major histocompatibilty complex. T cell receptor.
* Immunological techniques: Immunodiffusion, immunoelectrophoresis, RIA and ELISA.

***Language*** ***Skills***

* Arabic: (Mother Language).
* English: (Very good Oral, Written, and Spoken).
* TOFEL Emidest, Score 463

***Conferences & Workshops:***

* The second international conference on basic and applied mycology. Mycotoxins Center, Assiut University, Assiut, Egypt (22-24 March 2015).
* The second conference of Biochemistry, Faculty of Medicine, Assiut University, Assiut, Egypt )28- 30 Jan 2009).
* Workshop on Mycotoxins: Problems, detection and control as a trainer. Faculty of Science, Al-Azhar University, Assiut branch, Assiut , Egypt, (9-11 June 2014).
* Workshop on basic and principle of HPLC (high performance liquid chromatography) in biochemical analysis. The medical technology center for research institute, Alexandria University, Alexandria, Egypt (18-20 November 2008).

***Fellowships and research Grants received:***

* Member of the research grant under the South Africa/Egypt – research partnership program bilateral agreement (2012). Under title:

Development of analytical assays for detection aflatoxin M1 in Egypt and South African milk.

***Journal Reviewer and Editorial Board Membership***

* Agricultural and Biological Sciences Journal (ABSJ).[**http://www.publicscienceframework.org/journal/absj**](http://www.publicscienceframework.org/journal/absj)
* Chemistry Journal (CJ). [**http://www.publicscienceframework.org/journal/cj**](http://www.publicscienceframework.org/journal/cj)
* Merit Research Journal of Medicine and Medical Sciences

**http://www.meritresearchjournals.org/mms/index.htm**

***Memberships:***

* Member of the Egyptian Society of Biochemistry & Molecular Biology
* Member of the Egyptian Society of Clinical Chemistry
* Member of the [Egyptian Society of Natural Toxins](http://www.google.com.eg/url?sa=t&rct=j&q=&esrc=s&source=web&cd=1&cad=rja&uact=8&ved=0CBwQFjAA&url=http%3A%2F%2Fwww.egynattox.com%2F&ei=a98mVau-IYLYau_OgeAE&usg=AFQjCNE9P7tNP4qIwF8-sF5JR2aa2Hq23w&sig2=EeAejeZKQYibW2_W09ydTQ&bvm=bv.90491159,d.d2s)
* Member of the [Egyptian Society of Environmental Toxicology](http://www.eset2005.com/)

***List of publications:***

1. Mulunda Mwanza, Ahmed Abdel-Hadi, **Ahmed M. Ali** and Mary Egbuta. **Evaluation of analytical assays efficiency to detect aflatoxin  
   M1 in milk from selected areas in Egypt and South Africa.** J. Dairy Sci. 98:6660–6667. **2015**.
2. Aml Mokhtar and **Ahmed M. Ali**. **Threating Mycotoxins in the Urine of Ewes in the Upper Egypt**. The second international conference on basic and applied mycology. **2015**.
3. Ahmed Y. Nassar, **Ahmed M. Ali**, Alaam A. Nafady, Mona A. El-Baz, Yousif S. Mohamed, Fathy F. Abdel Latif, Abdel Haleem M. Hussein and Muammar Y. Nassar. [**Copper (I)-Nicotinate Complex Exhibits More Prophylactic Effect than Butylated hydroxytoluene Against Nephrotoxicity in Chronically Aflatoxicosed Rats.**](https://www.researchgate.net/publication/266140342_Copper_%28I%29-Nicotinate_Complex_Exhibits_More_Prophylactic_Effect_than_Butylated_hydroxytoluene_Against_Nephrotoxicity_in_Chronically_Aflatoxicosed_Rats) Global Advanced Research Journal of Medicine and Medical Science. Vol. 3(9) pp. 251-261, **2014**.
4. Ahmed Y. Nassar **Ahmed M. Ali**, Heba M. Saad Eldien, Mona A. El-Baz, Yousif S. Mohamed, Fathy F. Abdel Latif, Abdel Haleem M. Hussein and Muammar Y. Nassar.. **Copper (I)-Nicotinate Complex Promoted the Synthesis of Aflatoxin M1 and Q1 More Efficiently than Butylated hydroxytoluene in Afaltoxicosed Rats.** Global Advanced Research Journal of Medicine and Medical Science. Vol. 3(10) pp. 298-307, **2014**.
5. **Ahmed M. Ali**, Heba M. Saad Eldien, Muammar Y. Nassar Amany O. Mohamed, Abdel Haleem M. Hussein, Abu-Bakr A. El-Adasy, Ahmed A. Khames and Ahmed Y. Nassar. **Protective Effects of Copper (I)- Nicotinate Complex Against Aflatoxicosis**. The Open Toxicology Journal 7, 1- 10. **2013**.