



CRICLUM VITA
Of
Prof. Dr. M.A.ZAYED
Professor of Analytical and Inorganic Chemistry
Faculty of Science, Cairo University

1- Scientific Experience and Career Opportunity:

- A. B.Sc. 1969 (Honors), Demonstrator, Faculty of Science, Cairo University .**
- B. M.Sc. Analytical Chemistry 1972, Faculty of Science, Cairo University.**
- C. Ph.D. Analytical and Inorganic Chemistry 1975, Prof. of Analytical and Inorganic Chemistry, Faculty of Science, Cairo University.**
- D.Sc. (Analytical Chem.), 2010, Cairo University Via Royal Society of Chemistry UK.**
- D. Assistant Prof. of Analytical and Inorganic Chemistry 1981, Faculty of Science, Cairo University.**
- E. Professor of Analytical and Inorganic Chemistry 1987- till now, Faculty of Science, Cairo University.**
- F. Teaching in Faculty of Teachers Saudi Arabia Riyadh (1980-1985), also in Sudan (1979). And till now working in Saudi Arabia as Prof. of Anal. And Inorg.Chem. Faculty of Education of Girls (2001-2007).**
- G. Deputy Director of Microanalytical Center Cairo University (1992- 1995).**
- H. Security of Promotion Committee of nonorganic (Professors and Associate Professors Round 12th in the period 2016-2019.**

2- Scientific Activity:

- A. List of publications of more than 160 paper covering a wide scope of research in different directions (in air analysis and air quality, analysis of major and minor elements, rare earths in geological ores and minerals, toxicity of organic and inorganic**

- substances in its sources, water quality in resources, mathematical modeling of pollution problems, analysis of pharmaceutical materials and in preparations, soil analysis, analysis of natural and synthetic solid state materials (simple compounds and complexes) using different physicochemical methods [spectroscopic methods (UV, visible, IR, H NMR, ¹³C NMR, ICP-ES), XRF, mass spectra, electrometric (potentiometry and conductivity), elemental analyses, thermal analyses (TGA, DTG DSC), electron microscope (EMS)], theoretical calculation (Molecular orbital Calculations) ...etc.
- B. Citation No.:** Cited papers more than 100 cited papers of h-index =17 of papers 1996-2016.
- C. Supervision of 38 M.Sc. and 24 Ph.D. dissertations covering most of the above fields.**
- D. Scientific school involving demonstrators, assistant lectures, lectures and professors in Cairo University and in other research centers and universities (about 50 persons).**
- E. Membership and essential member of group of scientific national and international organizations (Egyptian society of analytical chemistry, Egyptian society of Chemistry, Scientific Egyptian syndicate, Egyptian society of corrosion protection of metals, Egyptian society of electron microscope, American Chemical Society (ACS), Intellectual one hundred group in Hummed research group USA via NASA , Indian chemical society...etc.**
- I. National and International Scientific Committees:** membership of environmental and society development committee of Cairo University, committee of assistant professors and professors promotion in universities and scientific research centers, membership of third world academy (TWA) award committee, ...etc.
- J. Referee of several national and international journals:** Journal of Thermal Analysis and Calorimetry (JTAC) of Budapest, Thermochemica Acta USA, Spectrochimca Acta, Journal of Hazardous Materials (JHAZM), J. Pharmaceutical and biomedical Analysis Bulletin Chemical Society Ethiop, European journal of Chemistry, Drug Testing and Analysis, Journal of Pharmaceutical and Biomedical Analysis, Letter in Organic Chemistry (LOC), Journal of Textile And appeal, African Journal of pharmaceutical Research, Combustion Science and technology, Synthesis and reactivity, Serbian

journal, Journal of the Association of Arab Universities for Basic and Applied Sciences (JAAUBAS), Molecular Structure, African Journal of Pure and Applied chemistry, Analytical Chemistry Insights, International Research Journal of Pure and Applied Chemistry, , Journal of Saudi Chemical Society, The Chemical Industry and Chemical Engineering Quarterly (Chem Ind. Chem. Eng. Q.), Physical Review & Research International, Pharmaceutica Analytica a Actaetc; Egyptian journal of chemistry, journal of Aswan south valley university, Journal of Assuit University, journal of El-Mansoura University,.

- K. Organizer and participant of national and international workshops and conferences: 15th IUPAC conference Egypt 1998, Unisco workshop 1993 Egypt , Workshop on thermal analysis in Prague 1989, Conference on environmental pollution in Europe 1993 Austria, Conference on electron microscope 1999 Egypt, Conference on Nuclear materials 1999 Egypt, Conference of Chemistry Department (Chem-1,Chem-2, Chem 5 and Chem 6), Abha Conf. 2013, Marrakesh conf. 2014, Tunisia Con. 2015, Morocco conf. 2015, Arab Union Meetings in El-Emarat 2013, in Saudi Arabia 14, in Marrakesh 2014, Tunizia 2015, in Eldar Elbida 2016...etc.**
- L. Organizer of several training courses in Microanalysis in Cairo University micro analytical center (1992-1995), Training course via monitoring of pollution of River Nile project (Canadian- Egyptian Project 1991-1993), NARP and Cemarp project training courses in Agriculture Center of Food technology, 1996-1997,...etc.**
- M. Cooperation with a lot of national and international Companies, research centers as coordinator and scientific advisor: ministry of health, ministry of agriculture, ministry of industry, military company 99 at Helwan, Institute of water research ministry of irrigation and water resources, El-Behera company of potable water and drainage system, Assuit company of cement, ...etc.**
- N. Supervisor of several of scientific dissertations in Egyptian universities and in Egyptian companies and research centers (over 50).**
- O. Referee of several scientific dissertation (M.Sc. and Ph.D.) in Egyptian and Arabic countries (more than two hundred).**
- P. Got some scientific Awards: Cairo University Award of Distinct research in Analytical and Environmental Chemistry and golden medal (1987, 2009), Award of Cairo University**

respective prize (2013), Award of Misr El-Kheer of distinct publications (2013).

Q. Social Activities: Main Organizer of several social and scientific activities at Cairo University and in El-Behera Governorate in my village via Shrook project and social societies.

Prof.Dr. M.A.Zayed