

**General List of Publications
of Prof. Dr. Mohamed Abd El-Gawad Zayed
(M.A. Zayed, D.Sc. Anal. Chem.)**

Publications from M.Sc. and Ph.D.:

- 1- H. Khlifia, M.M. Khater and **M.A. Zayed**.
“Indirect Potentiometric Determination of Bismuth and Orthophosphates”
Z. Anal. Chem. 266, 366 (1973).
- 2- H. Khlifia, M.M. Khater and **M.A. Zayed**.
“Analysis of Aluminum and Titanium Ternary Mixtures”.
Z. Anal. Chem. 266, 363-366(1973).
- 3- H. Khlifia, M.M. Khater and **M.A. Zayed**.
“Applications Involving the Iodide Ion. Determination of Chlorates”.
Egypt. J. Chem. 17,2,pp.161-162 (1974).
- 4- H. Khlifia, M.M. Khater and **M.A. Zayed**.
“Absorption Spectra of Copper and Palladium Complexes of Arylazo-
acetylacetone”.
Egypt. J. chem.. 23, 5, pp.311-321 (1980).
- 5- M.M. Khater, B.G. Ateya and **M.A. Zayed**.
“Electrochemical Behavior of Copper in Alcoholic Media. Effect of γ -
Haloacetoacetanilide as Chelating Agent”.
Egypt. J. Chem. 26 (1) 1-11 (1983).

Publications in National and International Conferences and Symposia:

- 1- M.M. Khater, **M.A. Zayed** and F.A. Nour El-Dien.
“Tautomerism in γ -Haloacetoacetanilide and Determination of Their Dissociation Constants”.
Published in the 8th International Microchemical Symposium, 25-30th August, Gratz, Austria (1980).
- 2- **M.A. Zayed**, M. El-Moattassem, K.A.A. Rabie.
“Water Quality Parameters of the River Nile at Helwan Area”.
Published in 25th International symposium on Remote Sensing and Global Environmental Change, Gratz, Austria (1993).
- 3- **M.A. Zayed**, F.A. Nour El-Dien and K. A. Rabie.
“Inductively Coupled Plasma Atomic Emission Spectrometry for Analysis of Digested River Nile Sidements by Microwave System”.
Published in International 5th Beijing Conference and Exhibition on Instrumental Analysis, BECIA-5 (1993).
- 4- **M.A. Zayed**, F.A. Nour El-Dien and K.A. Essa.
“Inductively Coupled Plasma Atomic Emission Spectrometry for the Analysis of Some Important Egyptian Plants”.
Publishes in International 5th Beijing Conference and Exhibition on Instrumental Analysis, BECIA-5 (1993).
- 5- **M.A. Zayed**, A.E. Arfine and E.A. Abou El-Nasr.
“Preparation, Structure Investigation and thermal Analysis of Some Pyrocatechol Azocompounds”.
Published in the 1st International Conference in Chemistry and Its Applications, Doha-Qatar, December 7-9 (1993).
- 6- F.A. Nour El-Dien, **M.A. Zayed** and K.A. Essa.
“Microdetermination of Some Inorganic constituents Accumulated in Some Egyptian Plants Digested by Kjeldahl Flask and Analyzed by Direct Current Emission and Flame atomic Absorption Spectrometry”.
Published in the 1st International Conference in Chemistry and Its Applications, Doha-Qatar, December 7-9 (1993).
- 7- **M.A. Zayed**, A.E. Arfine and E.A. Abou El-Nasr.

“Spectral and Thermal Studies on Uranyl Pyrocatechol Complexes and Their Applications in Determination of Uranyl Ions”.

Published in the 1st International Conference in Chemistry and Its Applications, Doha-Qatar, December 7-9 (1993).

- 8- F.A. Nour El-Dien, **M.A. Zayed**, G.G. Mohamed.

“Improvement of Bromometric Titration. Determination of Paracetamol Bromometricall Using Silver Amalgam Electrode in Comparison with Bromide Ion-Selective Electrode”.

Published in 15th IUPAC International Conference, Ain Shams University 5-9 August (1998).

- 9- **M.A. Zayed**.

“New Methodology for Teaching Organometallics and Related Subjects”

Presented in 15th IUPAC International Conference, Ain Shams University 5-9 August (1998).

- 10- **M.A. Zayed** and F.A. Nour El-Dien.

“Application of X-ray and Electron Microscope in Comparison with Other Physicochemical Methods in Studying of Natural Zeolite”

Presented in 2nd International Conference on Electron Microscope Recent Applications, Egyptian Society of Electron Microscope (ESEM) in Collaboration with Misr University of Science and Technology (MUST) Faculty of Medicine 21-22 July (1999).

- 11- S.K. Hassan, M.A.M. Saleh, V. Beshara and **M.A. Zayed**.

“Some Fortification Model Impact on Selected Biological Parameters”.

Published in Rigional Workshop on Nutrition and Micro-nutrition Deficiencies in Near East and North Africa, ILSI North Africa and Gulf Region, International Life Science Institute, 8-9th Nov. (2000).

- 12- **M.A. Zayed**, N.A. Ibrahim and Hanan A.Fawzy,

“The Determination of nitrates and Nitrites in cured meat products by HPLC”.

The Third International Conference and Exhibition for Food Industries Quality Control, Food Quality Control,

17-19 June, , pp345-360.(2001).

12- Biannual Conference on Chemistry, Chemistry Department, Faculty of science Cairo University, Chem.2, 1-3 March (2004).

13- Biannual Conference on Chemistry, Chemistry Department, Faculty of science Cairo University, Chem.3, 1-3 March (2006).

14- Biannual Conference on Chemistry, Chemistry Department, Faculty of science Cairo University, Chem.4, 1-3 March (2008).

15- **M.A. Zayed,**

Invited Lecture entitled “New Trends in Lab Accreditation “
5th International conference

15- **M.A. Zayed,**

Plenary Lecture entitled “Contemporary Chemistry of Biodiesel in Egypt, Hope and Target “

Biannual Conference on Chemistry, Chemistry Department, Faculty of science Cairo University, Chem.6, 1-3 March (2010).

16- **M.A. Zayed,**

Invited Lecture entitled “Chemistry of Biodiesel as Biomass Energy Source in Egypt. It is A hope and Target”

7th International Conference, El-Azhar University (ISCAZ-7), Faculty of science of Students, Environmen, Development and Nanotechnology, 22-24 March (2010).

17- **M.A. Zayed,**

Plenary Lectrure “Pollutants Removal from Different Egyptian Resources Using Natural Zeolite Coming From Egyptian Kaolin”
International Forum for Scientific Research Cairo University, Dec (2010)

- 18- **M.A. Zayed**, Salah E.M.El-Begawy and Hossam E.S. Hassan,
 Mechanism Study of stabilization of double-base propellants by using
 Inorganic zeolite stabilizers (Nano- and Micro-clinoptilolite)
 8th international scientific conference (ISCAZ-8), environment, development
 and bioinformatics, Faculty of Science, El-Azhar University, 26-28 March
 (2012)
- 19- *Mohamed A. Zayed^a, Ali M.M. EL-Gizouli^b*
 Marrakesh, 2nd symposium on analytical chemistry (ACSD2013) and 4th
 Federation of African Chemical Societies (FACS) congress 7-9 May (2013)
 Presented a lecture entitled “Spectrophotometric study of Ibuprofen and
 Lornoxicam drug reactions products with Copper (II) reagents and their biological
 activities

Publications after Ph.D.:

- 1- H. Khalifa, M. Khater, N. Hassan, M.A. Zayed.
 “Spectrophotometric Studies on the Formation Composition of Copper (II)- α and γ -
 Halo-1-Oxobutanilides Complexes”.
 Bull. Fac. Sci. Cairo Univ. 51 (1), 159-174 (1978).
- 2- A.A. El-Kammar, **M.A. Zayed** and S.A. Amer.
 “Rare Earths of the Nile Valley Phosporite Upper Egypt”.
 J. Chem. Geology 24, 69-81 (1979).
- 3- H. Khalifa, M. M. Khater, **M.A. Zayed**.
 “Absorption Spectra of Copper and Palladium Complexes of Arylazo
 Acetylacetone”.
 Egypt. J. Chem. 23(5), 311-321 (1980).
- 4- **M.A. Zayed** and M.S. El- Morsy.
 “Spectrophotometric Study on Iron (III)-Acetone Dicarboxylic Acid Dianilides”.
 Egypt. J. Chem. 23 (1) 1-11 (1980).
- 5- M.M. Khater, **M.A. Zayed**, F.A. Nour El-Dien.
 “ γ -Chloroacetoacetanilide as Spectrophotometric Indicator for EDTA Titration of
 Iron (III)”.
 Z. Anal. Chemie. 301, 26 (1980).
- 6- **M.A. Zayed**, A.M. El-Kammar, S. A. Amer.

“Ionic Exchange Separation of Lanthanones from Egyptian Phosphate Ores and Their Analysis by Potentiometry”.

Egypt. J. Chem. 24 (1) 7-14 (1981).

- 7- M.M. Khater, **M.A. Zayed**, F.A. Nour El-Dien.
“ γ -Haloacetoacetanilide Complexes of Iron (III). Structure Stability-Relationships”.
Egypt. J. Chem. 24 (3) 187-194 (1981).
- 8- H. Khalifa, **M.A. Zayed**, Asaad Aboud Ali.
“The Kinetics of Oxidation of Hydroquinone by (Co (III)-Salen)₂O₂ Complex in Acetic Acid Media”.
Egypt. J. chem.. 25 (1) 63- 73 (1982).
9. M.M. Khater, **M.A. Zayed**, F.A. Nour El-Dien.
“Polarographic Reduction of γ -Haloacetoacetanilides. Mechanism and Structure-Reactivity Relationships”.
Egypt.J. Chem. 25 (4) 311-324 (1982).
- 10- **M.A. Zayed**, S.A. Abou-Taleb, M.M.S. El-Morsy.
“Studies on 3-Oxoglutaric Acid Dianilides. Part 1.The Acid-Base Properties of 3-Oxoglutaric Acid Dianilides”.
J. Indian Chem. Soc. LIX, 1013-1015 (1982).
- 11- S.A. Abou-Taleb, **M.A. Zayed**, A.M. El-Roudi.
“Microdetermination of Metals in Organometallic Compounds by the Oxine Method After Oxygen Flask Combustion. IV. Neodymium, Praseodymium, Samarium and Yttrium”.
Microchemical J. 27, 418-413 (1982).
- 12- H. Khalifa, **M.A. Zayed**, A. Aboud Ali.
“Redox Properties of Cobalt (III)-Hetrochelates. I. Behavior Towards Iodide”.
Egypt. J. Chem. 25 (1) 53-61 (1982).
- 13- **M.A. Zayed**, M.M.S. El-Morsy.
“Spectrophotometric Determination of Iron (III) with 3-Oxoglutaric Dianilides”.

- Egypt. J. Chem. 26 (1) 83-86 (1983).
- 14- **M.A. Zayed**, M.M. Khater, M.S. Rizk, H.M. Abd El-Fattah, A.M. Khalil.
“Related Thermogravimetric and Spectrophotometric Studies on Lanthanide (III) Complexes with 3-Acetylpyridine-N-Oxide ligand”.
Thermochim. Acta 67. 125-136 (1983).
- 15- **M.A. Zayed**, M.M. Khater, M.S. Rizk, H.M. Abd El-Fattah.
“Spectrophotometric and Thermogravimetric Studies on New Coordination Compounds of Lanthanide (III)-4- Acetylpyridine-N-Oxide”.
Thermochim. Acta 73, 217-227 (1984).
- 16- H. Khalifa, **M.A. Zayed**, A. Aboud Ali.
“Redox Properties of Co (III)-Mixed Ligand Complexes. II. Microdetermination of Some Organic and Inorganic Compounds”.
Microchem. J. 30 (3) 319-326 (1984).
- 17- H. Khalifa, M.S. Rizk, **M.A. Zayed**, W.F. Omer.
“Potentiometric Determination of Hydrazides by Oxidation with Iodine”.
Egypt. J. Chem. 27 (2) 271-273 (1984).
- 18- **M.A. Zayed**, S.A. Abou-Taleb, A.M. El-Reedy.
“Studies on N-Methyl Indol Carboxylic Acid Derivatives. I. The Acid-Base Properties”.
Egypt. J. Chem. 27 (4) 525-529 (1984).
- 19- H. Khalifa, **M.A. Zayed**, M.S. Rizk, F.A. Nour El-Dien.
“Redox Reactions of Iodine and Phenols. II. Microdetermination of Phenols by Potentiometry”.
Egypt. J. Chem. 27 (6) 723-735 (1984).
- 20- H. Khalifa, **M.A. Zayed**, F.A. Nour El-Dien.
“Kinetics and Thermochemistry of the Redox Reaction Between Iodine and Phenol Derivatives. I. With Orthobromophenol”.
Thermochim. Acta 101, 325-340 (1986).

- 21- **M.A. Zayed.**
“Microdetermination of Rare Earth Elements in Their Acetylpyridine N-Oxide Complexes by the Oxine Method after Oxygen Flask Combustion”.
Microchem. J. 34 (2) 200 (1986).
- 22- H. Khalifa, **M.A. Zayed**, F.A. Nour El-Dien.
“The Potentiometric Microdetermination of Aminophenols with Iodate and Periodate”.
Microchem. J. 34, 204 (1986).
- 23- **M.A. Zayed.**
“Related Thermal Analysis and spectrophotometric Studies on Iodine Redox Products of Aminophenols”.
Thermochim. Acta 111, 103-113 (1987).
- 24- **M.A. Zayed**, F.A. Nour El-Dien.
“Structure Identification of Substituted Phenols Redox Products by: Thermogravimetric and Differential Thermal Analysis”.
Thermochim. Acta 113, 117-123 (1987).
- 25- M.A. Zayed, F.A. Nour El-Dien.
“Structure stability relationship of copper (II) –Indol carboxylic acid derivative complexes from spectrophotometric, thermogravimetric and potentiometric studies”.
Thermochim. Acta 114, 359-371v(1987).
- 26- **M.A. Zayed**, H. Khalifa, F.A. Nour El-Dien.
“Potentiometric Microdetermination of Nitron and Bromophenols by Oxidation with Iodate and Periodate”.
Microchem. J. 35, 30-39 (1987).
- 27- H. Khalifa, M.S. Rizk, **M.A. Zayed**, W.F. Omer.
“The Use of EDTA for Potentiometric Back Titration of Rare Earths and Analysis of Their Mixtures”.
J. Indian Chemical Soc. LXIV, 49-51 (1987).

- 28- **M.A. Zayed**, F.A. Nour El-Dien.
“Comparative Study for the Redox Reactions between Iodine and Phenol Derivatives through Correlation between Thermal Analysis and Thermodynamic Calculations for Kinetic Data”.
Thermochim. Acta 128, 105-114 (1988).
- 29- F.A. Nour El-Dien, **M.A. Zayed**, M.M. Ali.
“Microdetermination of Some Xylenols Via Investigation of Their Catalyzed Reactions with Iodine”.
Microchem. J. 38, 350-354 (1988).
- 30- **M.A. Zayed**.
“Redox Reactions Between Iodine and Aminophenols Kinetics and Mechanism”.
Egypt. J. Chem. 31 (2) 187- 201 (1988).
- 31- **M.A. Zayed**, F.A. Nour El-Dien.
“Kinetics and Mechanism of the Redox Reaction Between Iodine and Nitrophenols”.
Egypt. J. Chem. 31 (2) 233-239 (1988).
- 32- **M.A. Zayed**, F.A. Nour El-Dien, H. Khalifa.
“Some Observations on the Microdetermination of Sulfate, Sulfide and Thiosulfate by Mercurimetric Titration”.
Microchem. J. 39, 126-132 (1989).
- 33- **M.A. Zayed**, F.A. Nour El-Dien, M.A.F. Sharaf.
“The Use of Thermal and Spectrophotometric Analyses for the Structure Investigation of Arylhydrazonacetactylaminopyridines and Their Copper Chelates”.
Thermochim. Acta 146, 11-113 (1989).
- 34- F.A. Nour El-Dien, H. Khalifa, **M.A. Zayed**, W.H. Hegazy.
“Mercurimetric Determination of Phosphates and Microanalysis of Some Egyptian Phosphate Ores”.
Microchem. J. 40 (3), 311-316 (1989).
- 35- **M.A. Zayed**, F.A. Nour El-Dien.

“Related Spectrophotometric and Potentiometric Studies on Aminophenols Redox Products. Acid-Base Properties”.
Egypt. J. Cchem. 32 (1) 7-20 (1989).

37- **M.A. Zayed.**

“Analysis of Thermogravimetric Traces as an Approach to Determine the Mechanism of Dissociation of Copper (II)- α - Arylazoacetoacetyl-aminopyridine Chelates”.

Thermochim. Acta 159, 43-54 (1990).

38- **M.A. Zayed**, F.A. Nour El-Dien, W.H. Hegazy.

“Application of the Silver Amalgam Electrode for the Microdetermination Phosphate, Arsenate and Sulfide”.

Microchem. J. 41, 356-361 (1990).

39- F.A. Nour El-Dien, M.A. Abdelaziz, **M.A. Zayed.**

“Structure Identification of 2-Thiohydantoin and Its Metal Chelates by Thermal and Spectral Analyses”.

Thermochim. Acta 162, 399-407 (1990).

40- **M.A. Zayed**, V. Balek.

“Structure Elucidation of Aminophenols-Iodine Redox Products by Emanation Thermal Analysis”.

Thermochim. Acta 179, 237-245 (1991).

41- **M.A. Zayed**, F.A. Nour El-Dien, M.M. Aly.

“Studies on Thermal Behavior of Iodine Xylenols and Cresols Redox Reactions”.

Egypt. J. Chem. 34(5), 371-388 (1991).

42- **M.A. Zayed.**

“Structure Investigation of Xylenols and Their Redox Products by Thermal and Spectral Methods of Analysis”.

J. Instrumental Analysis 11 (4) 18-28 (1992) (Chinese Language).

43- **M.A. Zayed**, F.A. Nour El-Dien, M.M. Aly.

“The Catalyzed Reactions Between Iodine and Cresols. Microdetermination of Cresols”.

Egypt. J. Chem. 35(1) 57-65 (1992).

44- **M.A. Zayed.**

“Structure Investigation of Xylenols and Their Redox Products by Thermal and Spectral Methods of Analysis”.

Egypt. J. Chem. 36 (1) 13-26 (1993).

45- **M.A. Zayed, F.A. Nour El-Dien, K.A. Rabie.**

“Comparative Study of Seasonal Variation of Metals Contents Determined in River Nile Sediments, Fish and Water by Atomic Absorption Spectrotometry”.

Microchem. J. 49, 27-35 (1994).

46- **M.A. Zayed, F.A. Nour El-Dien. k.A. Essa.**

“Atomic Absorption and Inductively Coupled Plasma Emission Spectrometry for the Analysis of Some Important Egyptian Plants”.

Chinese J. of Spectroscopy Lab. 11 (5) 56-59 (1994).

47- A.E. Arfien, **M.A. Zayed, F. Hussam El-Dien.**

“Studies on Spectral Characteristics of o-, p-and m-Aminophenols in Comparison with Catechol and Pyrogallol in Solutions of Sodium Hydroxide”.

Egypt. J. Chem. 37 (1) 46-56 (1994).

48- **M.A. Zayed, R.M.A. Awadalla, A.E. Arifien, F.Hussam El-Dien.**

“Studies of the Acidity Function H_o of Solution of KOH and NaOH in Ethanol-Water Mixtures Using Aminophenol Dimer and o-Aminophenol Polymer as Indicators”.

Egypt. J. Chem. 37 (1) 57-68 (1994).

49- **M.A. Zayed, A.E. Arifien, F.Hussam El-Dien.**

“Evaluation of o- and p- Aminophenol Polymers as Indicators for Acidity Function Spectrophotmetrically”.

Egypt. J. Chem. 39 (6) 547-558 (1994).

- 50- **M.A. Zayed**, F.A. Nour El-Dien, K.A. Rabie, M. El-Moattassem.
“Seasonal Variation of Water Quality of Nile River at Helwan Area”.
J. Environ. Science and Health 30 (9) 1957-1972 (1995).
- 51- F.A. Nour El-Dien, **M.A. Zayed**, A. M. Abd El-Karim.
“Studies on Reaction Products of Iron with Catecholamines and Noncatecholamines”.
Egypt. J. Chem. 39 (4) 401-409 (1996).
- 52- **M.A. Zayed**, F.A. Nour El-Dien, G.G. Mohamed.
“Microdetermination of Aminophenols and Cresols Via their Reaction With Bromine”.
Egypt. J. Chem. 39 (2) 115-128 (1996).
- 53- **M.A. Zayed**, B.N. Bersoum, Amel Hassan.
“Spectrophotometric Determination of Iron and Chromium in Cr-Electroplating Baths in Helwan Engineering Company Using Pyrocatechol as Indicator”.
Microchem. J. 54, 72-80 (1996).
- 54- **M.A. Zayed**, A.E. Arifien, E. A. Abou El-Nasr.
“Spectral Studies on Uranium –Pyrocatechol Complexes and Their Applications for Determination of Uranium”.
Egypt. J. Chem. 39 (2) 157-169 (1996).
- 55- Adly A. W. Soliman, **M.A. Zayed**, M.A.M. Hassan.
“Malonanilides as Stabilizers for Double Base Propellants”.
Bull. Faculty of Science Zagazig University 18 (1), Physics 40-47 (1996).
- 56- **M.A. Zayed**, F.A. Nour El-Dine, A. Rageb Abd El-Gany, K. Gyoryova.
“Comparison Between Thermal and Mass Spectroscopic Studies of Uranyl Oxinates”
J. Thermal Analysis 50, 487-498 (1997).

- 57- F.A. Nour El-Dien, M.M. Ali, **M.A. Zayed**.
“Thermodynamic Study of the (NH₄⁺ - K⁺) Exchange on K- Saturated Clinoptilolite”.
Thermochim. Acta 307, 65- 75 (1997).
- 58- K.A. Rabie, M.M. Ali, **M.A. Zayed**, N.T. El-Hazek, H.F. Ali.
“Separation of Praseodymium From Egyptian Monazite by Solvent Extraction Method Using D2EHPA/K Extractant”
Bull. Faculty of Science Al-Azhar Univ. 17, 77-88(1997).
- 59- K.A. Rabie, M.M. Ali, **M.A. Zayed**, N.T. El-Hazek, H.F. Ali,
“Separation of Lanthanum From Egyptian Monazite by Solvent Extraction Method Using D2EHPA/K Extractant”.
Egypt. J. Anal. Chem. Vol.7, 89- 101 (1998).
- 60- **M.A. Zayed**, B.N. Barsoum, Amel E. Hassan.
“spectrophotometric Microdetermination of Aluminum in Al- Anodizing and Al- Hard Anodizing Baths Using Aluminon Indicator at Helwan Engineering Industrial Company (HEIC)”.
Egypt. J. Chem.41(1-6) 187- 198 (1998).
- 61- F.A. Nour El- Dien, **M.A. Zayed**, G.G. Mohammed,
“Structural Study on Bromine - Cetamol Redox Products Through Correlation Between Thermal and Mass Spectral Analyses”.
Egypt. J. Chem., 42(3),221-236.(1999).
62. **M.A. Zayed**, Abd El-Salam A. Arifien, F.S.M. Hassan,
“Investigation of Complexes of Diphenylphosphine Derivatives by Thermal and Other Physicochemical Methods of Analysis”.
Journal of Thermal Analysis and Calorimetry, vol.55 ,205- 212 (1999).
63. F.A. Nour El- Dien, M. M. Ali, **M. A. Zayed**,
“Ammonium Adsorption Properties on Clinoptilolite as Soil Amendment”.
Egypt. J. Chem. , 43(2),107-124 (2000).

- 64- **M.A. Zayed**, H. Fisher,
“Investigation of Novel Organometallics by Thermal-Spectroscopic Methods”.
Journal of Thermal Analysis and Calorimetry (JTAC) 61, 897-908 (2000)
- 65- **M.A. Zayed**, A.A.W. Soliman, M.A. Hassan,
“Evaluation of malonanilides as New Stabilizers for double –Base Propellants”.
Journal of Hazardous Materials B 73,237-244 (2000).
- 66- Shaban M.Khalil, G.G. Mohammed, **M.A. Zayed**, H.M. Elqudaby,
“Spectrophotometric Determination of Chloroquine and pyrimthamine through ion-pair formation with molybdenum and thiocyanate”.
Microchemical Journal, 64, 181-186 (2000).
- 67- F.A. Nour El-Dien, M.M. Ali, **M.A. Zayed**.
“Thermodynamic Study on $(\text{NH}_4^+ - \text{K}^+)$ Exchange on K- Saturated Clinoptololite Clay”.
Egypt. J. Chem. 43 (1), 31-51 (2000).
- 68- Samia El-Kabbany, M.A. Rashed, **M.A. Zayed**.
“Monitoring of pesticide levels in some water supplies and agricultural Land in El-Haram ,Giza A.R. Egypt”.
Journal of Hazardous Materials A 72,11- 21 (2000).
- 69- G.G.Mohamed, **M.A.Zayed**, Nadia E.A.El-Gamel.
“Preparation, Chemical Characterization and Electronic Spectra of 6-(2-pyridylazo)-3-acetamidophenol and Its Metal Complexes”.
Spectroscopy Letters,33(6),821-832 (2000).
- 70- F.A.Nour El-Dien, **M.A.Zayed**, G.G.Mohamed.
“Determination of paracetamol bromopotentiometrically using silver amalgam and bromide ion- selection electrode”.
Egypt. J. Chem. 44 (1-3), 51-61 (2001).

- 71- M.A. Fahmy , **M.A. Zayed**, Y.H. Keshk,
 “Comparative study on the fragmentation of some simple phenolic compounds using mass spectrometry and thermal analyses”.
 Thermochemica Acta 366, 183-188 (2001).
- 72- S.Y.Awadallah, **M.A.Zayed**, G.G.Mohamed, A.A.Ahmed
 “Some Factors Affecting the Heat Capacity of Sandy and Calcareous soils”.
 Desert Institute Bulletin Egypt Vol. 51 (1) ,pp 97-109.(2001)
- 73- S.Y.Awadalla, **M.A.Zayed**, A.A.Ahmed,
 “Nutrient availability as related to heat capacity and other desert soil conditions”.
 Egypt. J. Soil Sci. 42 (4) 659-672 (2002).
- 74- M.A. Fahmey, **M.A.Zayed**
 “Phenolic-iodine redox products. Mass spectrometry, thermal analysis and other Physicochemical Methods of Analyses”.
 J.Thermal Analysis and Calorimetry, 67, 163-175 (2002)
- 75- G.G.Mohamed, Shaban M.Kahlil, **M.A.Zayed**, M.Abd El-hamid El Shall,
 “2,6-Dichloroquinone Chlorimide and 7,7,8,8-Tetracyanoquinodi methane Reagents for the spectrophotometric Determination of Salbutamol in pure and Dosage Forms”.
 J. Pharmecutical and Biomedical Analysis 28, 1127-1133 (2002).
- 76- G.G. Mohamed, **M.A. Zayed**, Nadia E.A. El-Gamel,
 “Thermal and Kinetic Studies on Solid Complexes of 2-(2-benzimidazolylazo)-4-acetamidophenol with Some Transition Metals”.
 Spectrochimica Acta Part A 58,3167-3178 (2002).
- 77- M.M. Masoud, **M.A. Zayed**, A. M. Abdou,
 “Study of Ground Water Quality in Kom Hamada Area, Behera Governorate, Egypt”,
 Bulletin of Chemists and Technologists of Macedonia 22(2) 143-54 (2003).
- 78- S.M. Khalil, **M.A. Zayed**, S.M.Abd Allah,

- “Spectrophotometric Determination of Diazepam in Pure Form and in Pharmaceutical Preparations,
Egypt. J. Chem.47 (1) 1-16 (2004).
- 79- **M.A. Zayed**, S. M. Abdallah,
"Synthesis, characterization and electronic spectra of cefadroxil complexes of d-block elements".
Spectrochimica Acta Part A 60, 2215-2224 (2004).
- 80- **M.A. Zayed**, F.A. Nour El-Dien, G.G. Mohamed, Nadia E.A. El-Gamel,
"Structure investigation of, spectral, thermal, X-ray and mass characterization of piroxicam and its metal complexes",
Spectrochimica Acta Part A 60 (12) 2843-2852 (2004).
- 81- G.G. Mohamed, **M.A. Zayed**, F.A. Nour El-Dien, Reham G. El-Nahas,
“IR, UV-Vis, magnetic and thermal characterization of chelates of some catecholamines and 4-aminoantipyrine with Fe(II) and Cu(II)”.
Spectrochimica Acta Part A 60 (8-9) 1775- 1781.(2004).
- 82- M.A. Fahmey, **M.A. Zayed**, H.G. El-shobaky,
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