

(3) Chemistry Department

- A Khalaf, I. M. Awad, T. I. El-Emary and H. A. K. Abd El-Aal., Friedel-Crafts Alkylation of Benzene with 1,2-Diphenyl-2-propanol, 1-Chloro-2,3-diphenylpropane and 2-Methyl-1-phenyl-2-butanol. J. Indian. Chem. Soc., (87), 595-600 (2010).
- A. A. Khalaf, A. M. El-Khawaga, I. M. Awad, and H. A. K. Abd El-Aal, Modern Friedel-Crafts Chemistry. Part 32. Facile Synthesis of Some New Fused Heteropolycycles via Direct Intramolecular Friedel-Crafts Cyclialkylations of Suitable Heteroarylalkanols Arkivoc (x). Vol. (10) PP. 338-349 (2010).
- A. A. Khalaf, H. A. Albar, and Kh. O. El-Fouty, Modern Friedel-Crafts Chemistry. Part 30. Facile Synthesis of Isomeric Tri- and Tetramethyl-1,2,3,4-tetrahydrophenanthrenes via Rearranged Cyclialkylation of Suitably Methylated 1-(1- and 2-Naphthyl)-3-pentanol. Indian J. Chem., Vol. 49B, No. 2, 203 (2010).
- A. A. Khalaf, I. M. Awad, T. I. El-Emary, and H. A. Abd El-Aal, Modern Friedel-Crafts Chemistry. Part 28. Friedel-Crafts Alkylation of Benzene with 1,2-Diphenyl-2-propanol, 1-Chloro-2,3-diphenylpropane and 2-Methyl-1-phenyl-2-butanol. J. Indian Chem. Soc., Vol. 87, 595-600 (2010).
- A. Abdel Rahman Dahy and Nobuaki Koga, Theoretical study on the formation of pyridines by interaction of a cobaltacyclopentadiene with model nitriles (hydrogen cyanide and trifluoroacetonitrile). Electronic effects of nitriles on the reaction mechanism. Journal of Organometallic Chemistry, (695), 2240-2250 (2010).
- A. Ashraf Aly, A. Alaa Hassan, M. Kamal El-Shaieb, and I. Talaat El-Emary., New Tandem Cyclo-and/or Addition Reactions between N-Arylisindolines with Benzyne and

- Dimethyl Acetylenedicarboxylate. J. Heterocyclic Chem., (49), 1079-1083 (2010).
- A. E. Abdel-Rahman, Mohamed S. Abbady, S. Ahmed Nada, Synthesis of Some New 1,3,4-Thiadiazolo [3,2-a] Pyrimidines the Fourth Saudi Science Conference. 3, 2010, Al-Madinah Al-Munawwarah, Kingdom of Saudi Arabia,(2010).
- A. EL-Fadl and A.M. Abdulwahab, The effect of cobalt-doping on some of the optical properties of glycine zinc sulfate (GZS) single crystal. B: Condensed Matter, Vol 405(16) 2010: PP. 3421-3426, (2010).
- A. Farghaly and Hussein El-Kashef, Pyrazoles and pyrazolo [4,3-e]pyrrolo[1,2-a] pyrazines II. Journal of Heterocyclic Chemistry, 48(3), 678-683 (2011).
- A. Farghaly, Norbert Haider and Duck-Hyung Lee, Synthesis and Antitumor Activity of Some Novel Indole Derivatives Containing 1,3,4-Oxadiazoles and 1,2,4-Triazoles Tetrahedron, (2010).
- A. H. Hassan El-Sherief, A. Zeniab Hozien, F. M. Ahmed El-Mahdy, A. O. Abdelwareth Sarhan, Novel Method for the Synthesis of s-Triazolo[3,4-b][1,3,4]thiadiazines ChemInform. Vol. 41, Issue 48, 11, (2010).
- A. Hassan, A. A. Mohamed Ghandour, M. M. Azza Ali, A. Hazim Mahran, Evaluation of Lead, Cadmium and Copper Concentrations in Bee Honey and Edible Molasses., American Journal of Applied Sciences. Vol. 7 (3):PP. 315-322 (2010).
- A. M. Saoud Metwally, I. Maisa Abdel Moneim, A. Yasser El-Ossaily, I. Radwa Awad and Khaled Abou-Hadeed, Synthesis and Crystal Structure of Some 3,5-Pyrazolidiones. Chemistry of Heterocyclic Compounds, Vol.46(4):PP. 426-437, (2010).
- D. Abd El-Hady, S. Kuhne, N. Abo El-Maali and H. Watzig, Precision in affinity capillary electrophoresis for drug-

- protein binding studies. *J. Pharm. Biomed. Anal.*, (52), 232-241 (2010).
- D. Mamdouh, Ahmed Bayoumi, M. A. EL-Gahami and Abbas Hammam., Synthesis and thermal studies of mixed ligand complexes of Cu(II), Co(II), Ni(II) and Cd(II) with mercaptotriazoles and dehydroacetic acid *Natural science*, 2(8), 817-827 (2010).
- H. El-Kashef, Abdel-rahman Farghaly, Ahmed Al-Hazmi, Thierry Terme and Patrice Vanelle, Pyridine-Based Heterocycles. Synthesis of New Pyrido[4',3':4,5]thieno[2,3-d]pyrimidines and Related Heterocycles *Molecules*.15:PP. 2651 -2666,(2010).
- H. El-Kashef, Abdel-Rahman Farghaly, Ahmed Al-Hazmi, Thierry Terme and Patrice Vanelle. Pyridine Based Heterocycles. Synthesis of New Pyrido [4',3':4,5]thieno[2,3-d] pyrimidines Related Heterocycles, *Molecules*. Vol. 15:PP. 2651-2666, (2010).
- I. A. Zaafarany, S. N. Abd Alla AlArifi, Ahmed Fawzy, A. W. Gamal. Ahmed, A. Said. Ibrahim, and M. Refat. Hassan. Further evidence for detection of short-lived transient hypomanganate(V) and manganate(VI) intermediates during oxidation of some sulfated polysaccharides by alkaline permanganate using conventional spectrophotometric techniques. *Carbohydrate. Res.*. 345 (11): 1588-1593 (2010).
- I. Kamal Aly and A. Mahmoud Hussein, New Polymer Syntheses Part. 45 Corrosion Inhibition Behavior of Novel Polyurea Derivatives Based on Diarylidencycloalkanone Moieties in the Polymers Backbone. *Journal of Polymer Research*. Vol.17(5):PP.607–620.(2010).
- I. Kamal Aly, Darin De Gruson and Zoran Petrovic, Comethathesis of Methyl Oleate and Ethylene by using Homogeneous Catalyst. ACS meeting, Midwest, Wichita USA ,19-22, October, (2010).

- K. I. Aly, A. A. Sarhan, T.I. El-Emary, Synthesis, characterization and thermal studies of new polyhydrazides and its poly-1,3,4-oxadiazoles based on dihydro-9,10-ethanoanthracene in the main chain. Arabian Journal of Chemistry, Vol. 3:PP. 61–68, (2010)
- K. I. Aly, M. A. Abdel-Rahman, and M. A. Hussein, New Polymer Syntheses Part 53. Synthesis, Characterization and Electrical Conductivity of New Polyamides of Diarylidenecycloalkanone Containing Azo groups in the Polymer Backbone. International Journal of Polymeric Materials, (59), 553–569 (2010).
- K. I. Aly, M. A. Abdel-Rahman, M. A. Hussein, New Polymer Syntheses Part 53. Novel Polyamides of Diarylidenecycloalkanone Containing Azo Groups in the Polymer Backbone: Synthesis and Characterization. International Journal of Polymeric Materials, Vol. 29:PP. 553-569, 4, (2010)
- Kh. M. Al-Khamis, Z. A. Al-othman and R. M. Mahfouz, Kinetic studies of non isothermal decomposition of un-irradiated and γ -irradiated gallium acetylacetonate. Progress in Reaction Kinetics and Mechanism, Vol.35(2):PP. 187-207, (2010)
- Kh. M. Al-Khamis, Z. A. Al-Othman, R. M. Mahfouz, Kinetic studies of the non-isothermal decomposition of un-irradiated and γ -irradiated gallium acetylacetonate Progress in Reaction Kinetics and Mechanism. vol 35(2), 187-207, (2010).
- M. A. Abbady, M. M. Kandeel, Sh. H. Abdel-Hafez, M. A. M. Abou-Omar, Organic Selenium Compounds, Part IV: Synthesis and Applications of Some New Diaryl Selenides Containing Azomethine and Oxazole Moieties, Phosphorus, Sulfur, and Silicon 185(8), 1708-1725 (2010).
- M. Abd El-Aal Gaber and A. A. Geies., Synthesis and Reactions of Some New thieno [2,3-b]quinolines and

- pyrrolylthienoquinolines Afinidad LXVI. (546), 154-159 (2010).
- M. Adel Kamal El-Dean, M. Shaban Radwan and M. Remon Zaki, Reactions of 1-amino-5-morpholino-6, 7, 8, 9-tetrahydrothieno[2,3-c] isoquinoline- 2-carbonitrile. Journal of Chemical Research, 34(10), 596-602 (2010).
- M. Ahmed Abdel-Rahman, Bernd W. Schweizer, Oleg Lukin, Afang Zhang, A. Dieter Schluter, Dendronized Polymers with Aromatic Sulfonimide Dendrons, Macromol. Chem. Phys., Vol. 211: PP. 1538–1549, (2010)
- M. Aly, A. A. Said, A. A. Abd El-Hafez, and M. N. Goda, Acid pretreated bagasse as a suitable biosorbent for direct red 81 removal, International Conference on Environmental Engineering and Applications (ICEEA 2010), 151-153, (10), (2010).
- M. M. Seleim, M. S. Abu-Bakr, E. Y. Hashem, A. M. El-Zohry, Facile Spectrophotometric Determination of Aluminum(III) and Copper(II) Simultaneously with Alizarin Yellow R in Aluminum-Copper Alloys, Analytical Letters. Vol. 43: PP. 85–96, 1, (2010) .
- M. R. Siddiqui, S. Al-Shehri, I. Kh. Warad, N. M. Abd El-Salam and R. M. Mahfouz, Model Free Approach For Non-isothermal Decomposition of Un-irradiated and g-irradiated Silver Acetate: New Route for Synthesis of Ag₂O Nanoparticles Int. J. Mol. Sci, Vol. 11: PP. 2600-3699, (2010)
- M. Refit Hassana, M. Saddek Ahmed, Ahmed Fawzy, A. Doaa Abdel-kader, Yasuh Ikeda, D. Hideo Takagici, Acid-catalyzed oxidation of carboxymethyl cellulose polysaccharide by chromic acid in aqueous perchlorate solutions. A kinetics study. Journal Catalysis Communications, Vol. 11(7): PP. 611-615. (2010)
- N. B. Barscm, I. Kamal Aly, A.B. Khalil and A.K. Bakry, Influence of some additives on the physical and mechanical properties of Urea-Formaldehyde Resin-

- Bagasse Composite. Egypt Journal of Applied Science. Vol.25 (2A) :PP. 104-119.(2010).
- N. Ismail, Y. M. Temerk, A. A. El-Meligi, M. A. Badr, M. Madian, Synthesis and characterization of MnPS₃ for hydrogen sorption, Solid State Chemistry. Vol. 183 (5):PP. 984–987, (2010).
- N. S. Al-Hokbany, R. M. Mahfouz, I. J. Al-Jammaz, New oxorhenium (V) complex with an amino thiazole ligand, and radiochemical behaviour of its oxotechnetium (V) complex analog. Jounal Chemistry and Chemical Engineering ,Vol.12:PP.13-22, (2010)
- N. S. Al-Hokbany, R. M. Mahfouz, Preparation and characterization of new Sm (III) complexes with some bidentate ligands contains (N,N), (S,N), (O,O) and (N,O) donor atoms. J. Saudi. Chem. Soc., 14(4):PP. 391–398,(2010).
- N. S. Al-Hokbany, R. M. Mahfouz, Spectroscopic and thermal-gravimetric investigation of two new rhenium (V) ionic liquid complexes. Journal of Chemical Research, 34(9):498-501, (2010).
- R. I. Kaiser, W. Carrier, Y. Osawura, R. M. Mahfouz, Infrared spectroscopic characterization of the methylgermyl (H₂GeCH₃) radicals and its predeutrated counterpart in low temperature materials. Chem.Phys. lett., 492(2010):PP. 226-234, (2010)
- R. M. Hassan, A. Alaraifi, A. Fawzy, I. A. Zaafarany, K. S. Khairou, Y. Ikeda, H. D. Takagi, Acid-catalyzed oxidation of some sulfated polysaccharides Kinetics and mechanism of oxidation of kappa-carrageenan by cerium (IV) in aqueous perchlorate solutions. Molecular Catalysis A: Chemical, Vol.332(1-2): PP. 138–144, (2010)
- R. M. Mahfouz, E. Al-Frag, M. R. Siddique, W. Z. Al-Kiali, O. Karama, New aqua rhenium oxo-complex; synthesis characterization, thermal studies, DFT calculations and

- catalytic oxidations. *Arabian J. of Chemistry* , Vol.4(1):PP. 119–124, (2010)
- S. A. M. Metwally, T. A. Mohamed, O. S. Moustafa, Yasser A. El-Ossaily, Novel Synthesis of highly functionalized pyrazolone systems via rearrangement of 5-Phenyl-1-Oxa-5, 6-diaza- spiro[2,4]heptane-4,7-diones. *Chemistry of heterocyclic compounds* ,Volume 11:PP. 1659-1669 (2010)
- S. N. Basahel, I. H. Abd El-Maksod, B. M. Abu-Zied , M. Mokhtar, Effect of Zr^{4+} Doping on the Stabilization of ZnCo-Mixed Oxide Spinel System and its Catalytic Activity Towards N_2O Decomposition. *Alloys and Compounds*, Vol. 493:PP. 630-635, (2010)
- S. Nayef Al-Muaikel, I. Kamal Aly, Friedel-Crafts Polyketones: Synthesis, Thermal and Antimicrobial Properties. *International Journal of Polymeric Materials*, Vol. 59:PP. 45-59, (2010)
- T. Lee, Waleed Ahmed El-Said, Junhong Min, Byung-Keun Oh, Jeong-Woo Choi, Verification of surfactant CHAPS effect using AFM for making biomemory device consisting of recombinant azurin monolayer. *Ultramicroscopy*, Vol. 110(6):PP. 712-717, (2010)
- W. Ahmed El-Said, Cheol-Heon Yea, Mi Jung, Hyuncheol Kim and Jeong-Woo Choi, Analysis of effect of nanoporous alumina substrate coated with polypyrrole nanowire on cell morphology based on AFM topography. *Ultramicroscopy* , Vol. 110(6):PP.676-681, (2010)
- W. Ahmed El-Said, Jin-Ho Lee, Byung-Keun Oh and Jeong-Woo Choi, 3D nanoporous gold thin film for the simultaneous electrochemical determination of dopamine and ascorbic acid *Electrochemistry Communications*. Vol. 12(12):PP.1756-1759 ,(2010).
- W. Ahmed El-Said, Tae-Hyung Kim, Hyuncheol Kim and Jeong-Woo Choi, Three-dimensional mesoporous gold film to enhance the sensitivity of electrochemical

- detection. Nanotechnology, Vol. 21(45),Pages. 455501, (2010)
- W. Ahmed El-Said, Tae-Hyung Kim, Hyuncheol Kim, b and Jeong-Woo Choia, Detection of effect of chemotherapeutic agents to cancer cells on gold nanoflower patterned substrate using surface-enhanced Raman scattering and cyclic voltammetry. Biosensors and Bioelectronics, Vol. 26(4):PP.1486-1492, (2010)
- E. Y. Hashem, M. Mohamed Seleim, and M. Ahmed EL-Zohry, Using a First-Derivative Spectrophotometric Method for Simultaneous Determination of Fe(II) and Ni(II) in Mineral Vitamins by Interaction with 2,4-Diamino-5-(2-hydroxy-5-nitrophenylazo) benzenesulfonic Acid Sodium Salt in the Presence of Tween 20. J.AOAC International, Vol. 93, No. 3:PP. 833-841, (2010)
- Y. H. Ebeada, M. A. Selim, S. A. Ibrahim, Solvatochromic, acid–base features and time effect of some azo dyes derived from 1,3-benzothiazol-2-ylacetonitrile: Experimental and semiempirical investigations. Can. J. Anal. Sci. Spectrosc, Vol. 75(2):760-768 (2010)
- A. A. Ganash, F. M. Al-Nowaiser, S. A. Al-Thabaiti, A. A. Hermas, Comparison study for passivation of stainless steel by coating with polyaniline from two different acids. Progress in Organic Coatings Vol.72 (2011): PP.480–485,(2011)
- A. Abd El-Aziz Said, A. M. Aref Aly, M. Mohamed Abd El-Wahab, A. Soliman Soliman, A. Aly Abd El-Hafez, V. Helmey and M. N. Goda, Application of Propionic Acid Grafted Sugar Cane Bagasse for Removal of Reactive Dyes from Industrial Wastewater. 25th National Chemistry Congress with international participation, from 27 June to 2 July 2011, Erzurum, Turkey (2011).
- A. Abd El-Aziz Said, A.M. Soud Metwally, M. Mohamed Abd El-Wahab and G.E. Yahya Faris, Development Kraft

- pulping of bagasse by using soda-quinones derivatives. 4-6 (2011)
- A. M. Gaber and Khalid S. Khairou, Thermolysis and Photolysis of N-Benzoylhydrazone Derivatives. *Monatsh. Chem.* Vol.142,1021- 1027 (2011).
 - A. M. Gaber, Hussni A. Muathen, Layla A. Taib, Thermal fragmentation and rearrangement of some N-phenylbenzamide oxime dervatives II. Synthesis of benzimidazoles. *Journal of Analytical and Applied Pyrolysis*, Vol.91:PP.119–124, (2011)
 - A. Saleh Ahmed, A. Zeinab Hozien, A. Aboel-Magd Abdel-Wahab, Y. Shaya Al-Raqa, A. Abdulrahman Al-Simaree, Ziad Moussa, N. Saleh Al-Amri, Mouslim Messali, S. Ahmed Soliman and Heinz Dürr, Photochromism of Dihydroindilazines Part XVI: Tuning of Photophysical Behaviour of PhotoChromic Dihydroindolizined in Solution and in Polymeric Thin Film. *Tetrahedron*, 67,7173-7184 (2011).
 - D. Mamdouh Fouad and Mona Bakr Mohamed, Studies on the photo-catalytic activity of semiconductor nanostructures and their gold core–shell on the photodegradation of malathion. *Nanotechnology*, Vol. 22(45):455705, (2011)
 - D. Mamdouh Fouad, Ahmed Bayoumi, Mohamed Abd El Hakim El Gahami, Said Ahmed Ibrahim, Abbas Mohamed Hammam., Synthesis and thermal studies on new Co(II), Ni(II), Cu(II), and Cd(II) mixed ligand complexes with 3-benzyl-4-amino-1,2,4- triazole-5 Sciff bases and α,α' -bipyridyl. *Analytical Chemistry: An Indian Journal*, 10, 1, (2011).
 - D. Mamdouh Fouad, Mona Bakr Mohamed, Photodegradation of chloridazon using coreshell magnetic nanocompsites. *Journal of nanotechnology*, Vol. 2011, Article ID 416060, 7 pages, (2011).
 - D. Mamdouh Fouad, Nader Kamel Abdel Moniem, Mona Bakr Mohamed, Photodegradation of pesticides using core-shell

- nanocomposites in waste water. *Materials Science : An Indian Journal* (2011).
- E. Y. Hashem Seleim, A. M. El-Zohry, M. Ahmed, Spectrophotometric Determination of Iron in Pharmaceutical and Water Samples by Interacting with 5-(4-Nitrophenylazo) Salicylic Acid and Eosin. *Journal of ASTM International (JAI)*, Vol. 8(2):PP.1-9, (2011)
 - E. Y. Hashem, M. M. Seleim & Ahmed M. El-Zohry, Environmental method for spectrophotometric determination of copper(II). *Green Chemistry Letters and Reviews*, Vol. 4(3):PP. 241-248, (2011)
 - E. Y. Hashem, M. M. Seleim, A. M. El-Zohry, Spectrophotometric Determination of Copper(ii) in Pharmaceutical, Biological and Water Samples by 4-(2'-Benzothiazolylazo)-Salicylic Acid. *Journal of Applied Spectroscopy* , Vol. 78(4):PP. 586-593, (2011)
 - I. Kamal Aly, S. Ahmed Hammam, M. Shaban Radwan, and A. Mona Abdel-Rahman, New Unsaturated Copolyesters based on Diarylidene cyclopentanone. Optimum conditions of Synthesis, Characterization and Morphology. *International Journal of Basic & Applied Sciences IJBAS-IJENS* , Vol. 11(04):PP.15-35, (2011)
 - J. Hee An, Waleed Ahmed El-Said and Jeong-Woo Choi, Surface Enhanced Raman Scattering of Neurotransmitter Release in Neuronal Cells Using Antibody Conjugated Gold Nanoparticles *Nanosci. Nanotechnol*, Vol. 11:PP. 1585-1588, (2011).
 - J. Hee An, Waleed Ahmed El-Said, Cheol-Heon Yea, Tae-Hyung Kim and Jeong-Woo Choi, Surface-Enhanced Raman Scattering of Dopamine on Self-assembled Gold Nanoparticles. *Nanosci. Nanotechnol*, Vol. 11:PP. 4424-4429, (2011)
 - M. A. Abbady, M. M. Kandeel, Sh. H Abdel-Hafez and M. A. Obou-Omer, Organic Selenium Compounds Part V : synthesis and Application of some New Symmetrical and

- Unsymmetrical Diarylselenides Containing Oxazole Moiety Using Acid Catalyst. 12th Ibn Sina International Conference on pure and Applied Heterocyclic chemistry, Luxor, Egypt Feb 13-17, (2011)
- M. A. Ghandour, A. A. M. Aly, M. S. Al-Fakeh, Synthesis and characterization of Cu(II), Cd(II) and Pb(II) coordination polymers derived from 1,4-benzene- and 1, 1'-ferrocenedicarboxylate and 2-aminobenzothiazole. J. Indian Chem. Soc, Vol. 88(11):PP.1633-1638 (2011).
- M. Abdel Salam, S. S. Al-Juaid, A. H. Qusti, A. A. Hermas, Electrochemical deposition of a carbon nanotube-poly(o-phenylenediamine). composite on a stainless steel surface Synthetic Metals Vol.161 (2011):PP. 153–157,(2011).
- M. Adel Kamal, M. Shaban Radwan, M. Remon Zaki, Synthesis and biological activity of pyrazolothienotetrahydroisoquinoline and [1,2,4] triazolo [3,4-a] thienotetrahydroisoquinoline derivatives. European Journal of Medicinal Chemistry, Vol. 46:PP. 567-578, (2011).
- M. Ahmed , K. A. S. Ghaleb and A. A. El-Zomrawy, Spectral Studies of a Polymeric Chelates Based on Poly (salicylidene-o-aminophenol-Zincate) Matrix. J. Designed Monomers and Polymers Vol.14 (2011):PP. 315–325 (2011).
- M. Ahmed El-Khawaga, F. Maher El-Zohry, A. Thanaa Mohamed, and M. Essam Hussein, Efficient Synthesis of Some New Spirochromens containing indoline moiety. Heterocyclic Communications, Vol. 16, No. 2-3, 157-164, (2011).
- M. Aly, A. H. Ibrahim, M. I. Makawy, S. A. Othman, Expert system assisting farmer choice of blockage overcome in stripping column by applying a new scale-inhibitor mixture in Hawamdia distillery-SIIC-Giza-Egypt. Egypt Sugar Journal, Vol. 4:PP.77-86 (2011).

- M. Aly, A. I. El-Said, M. A. Ibrahim, M. S. El-Meligy, Synthesis and characterization of Fe(III), Cu(II), Zn(II) and Cd(II) complexes of cefazoline antibiotic. Assiut Univ. J. Chem., 40, 1 (2011).
- M. Bahaa Abu-Zied, Cu²⁺-acetate exchanged X zeolites: Preparation, characterization and N₂O decomposition activity. Microporous and Mesoporous Materials, 139(1-3): PP.59–66, (2011)
- M. Bahaa Abu-Zied, Nitrous Oxide Decomposition over Alkali-Promoted Magnesium Cobaltite Catalysts. Chin. J. Catal., Vol. 32:PP. 264-272, (2011)
- M. Essam Hussein and I. Maisa Abdel-Monem, Regioselective Synthesis and Anti-inflammatory Activity of Novel Dispiro[pyrazolidine-4,3'-pyrrolidine-2',3,-indoline]- 2,3,5-triones. Arkivoc, 2011(x):PP. 85-98.
- M. Jung, Waleed Ahmed El-Said and Jeong-Woo Choi, Fabrication of gold nanodot arrays on a transparent substrate as a nanobioplatfrom for label-free visualization of living cells. Nanotechnology, Vol. 22:PP.1-8, (2011)
- M. Mahmoud Mohamed Abd El-Wahab, The V4+/V5+ Balance as a Main Role for Dehydration-Dehydrogenation of Isopropyl Alcohol in the ZnO-V₂O₅ Catalysts. Assiut Univ., j. of Chemistry , Vol. 40:PP. 15-27, (2011)
- M. Refat Hassan, A Mechanistic Approach to the Kinetics of Oxidation of Uranium(IV) by Hexachloroplatinate(IV) in Aqueous Perchlorate Solutions. Evidence of the Formation of a Binuclear Intermediate Complex. The Journal of Physical Chemistry A, Vol.115:PP. 133338-13345, (2011)
- M. Refat M. Hassan, Ahmed Fawzy, A. Gamal Ahmed, A. Ishaq Zaafarany, H. Basim Asghar, D. Hideo Takagi, Yasuhisa Ikeda, Kinetics and mechanism of permanganate oxidation of iota- and lambda-carrageenan polysaccharides as sulfated carbohydrates in acid perchlorate solutions Carbohydrate Research, Vol.346:PP.2260-2267, (2011)

- M. Remon Zaki, M. Shaban Radwan and M. Adel Kamal El-Dean, Synthesis and Reactions of 1-Amino-5-morpholin-4-yl-6,7,8,9-tetrahydrothieno[2,3-c]isoquinoline. *Journal of the Chinese Chemical Society*, Vol. 58:PP. 544-554, (2011)
- M. S. Al-Fakeh, A. A. M. Aly, M. A. Ghandour, New nanosized metal coordination polymers comprising 1, 2-Bis(2- pyridyl) ethane and imidazole: Syntheses , structures and properties. *Assiut Univ. J. Chem.*, Vol. 40(1):PP. 1-14, (2011).
- M. S. K. Youssef, M. S. Abbady, R. A. Ahmed, and A. A. Omar, Preparation and Reactions of 2-Methyl-7-(3-methyl-5-oxo-1-phenyl-2-pyrazolin-4-yl)-5-arylthiazolo [3,2-a] pyrimido [4,5-d] oxazin-4 (5H)-one. *Chinese Journal of Chemistry*, Vol. 29:PP. 1473-1482, (2011)
- M. Yassien Temerk, M. Moustafa Kama, S. Mohamed Ibrahim, S. M. Hossieny Ibrahim, Wolfgang Schuhmann, Electrochemical Behaviour of the Anticancer Dacarbazine- Cu^{2+} Complex and Its Analytical Applications. *Electroanalysis*, Vol. 23(7): PP. 1638 – 1644, (2011)
- N. S Al-Hokbany, R Mhafouz, I. J AlJammaz, New oxorhenium (V) complex with an imidazol [NN],hydantoin [SN] mixed ligand system, and radiochemical behavior of its oxotechnetium (V) complex analog. *Journal of Biophysical chem.* Vol.2 (2):PP. 92-101, (2011)
- R. Bhusal, Cheol-Heon Yea, Waleed Ahmed El-Said, Hyuncheol Kim and Jeong-Woo Choi, Detection of the Effect of Environmental Toxicants on the Synthetic Peptide Modified Neural Cell Chip. *Nanosci. Nanotechnol*, Vol .11:PP. 4605-4610, (2011)
- R. M. Hassan, A. Fawzy, A. Alarifi, G. A. Ahmed, I. A. Zaafarany, H. D. Takagi, Base-catalyzed oxidation of some sulfated macromolecules: Kinetics and mechanism of formation of intermediate complexes of short-lived manganate (VI) and/or hypomanganate (V) during

- oxidation of iota- and lambda-carrageenan polysaccharides by alkaline permanganate. *Molecular Catalysis A: Chemical*, Vol. 355(1-2): PP. 38–45, 2011
- R. M. Hassan, S. M. Ibrahim, I. A. Zaafarany, A. Fawzy, H. D. Takagi, Base-catalyzed oxidation: Kinetics and mechanism of hexacyanoferrate (III) oxidation of methyl cellulose polysaccharide in alkaline solutions. *Journal of Molecular Catalysis A: Chemical*, Vol. 344:PP.93-98, (2011)
- R. M. Mahfouz, M. R. Siddique, N. M. Abd El-Salam, Radiation Induced Synthesis of RuO₂ Nanoparticles by Thermal Decomposition of Ru-tris-acetylacetonate. *Radiation Effects and Defects in Solids: Incorporating Plasma Science and Plasma Technology*, Vol.166(12):PP. 1-8, (2011)
- R. M. Mahfouz, N. S. Al-Hokbany, M. R. H. Siddiqui, Synthesis and Reactivity in InorganicMetal-organic and nano-metal Chemistry, Vol. 41(7):PP. 858-863,(2011)
- R. M. Mahfouz, N. S. Al-Hokbany, M. R. Siddique, Corals of In₂O₃ nanoparticles, synthesis by the thermal decomposition of γ -irradiated indium acetate in presence of non aqueous medium,
- R. M. Mahfouz, Sharifa Al-Ahmari, Ammaal Al-Fawaz, Z. A. Al-Othman, Kinetic analysis for non-isothermal decomposition of un-irradiated and γ -irradiated Indium acetylacetonate. *Materials Research* , Vol. 4(1):PP. 7-10, (2011)
- S. Ahmed Hammam, A. Abdel-Rahman Hassan , A. Mona, Abdel-Rahman and M. Osama Younes, Synthesis Of New Indolizine Pyrido-Indole-dione by A One – pot Three Components Neaction Thrid Scientific Conference for Young Researchers on Basic Science and Technology , faculty of science , Assiut uni Egypt . April 19-20 (2011) P 89, (2011).
- S. Anwar El-Shahawy, Computational DFT/CI spectroscopic structural studies of some complexes of benzalbarbituric

- acid. Journal of Molecular Structure, Vol. 987(1):PP. 232-240, (2011)
- S. H. Abdel-Hafez, H. A. Saad, M. R. Aly, Synthesis of selenium-containing amino acid analogues and their biological study. Journal of Bioorganic Chemistry,, Vol. 37(3):PP.261–269, (2011).
- S. H. Abdel-Hafez, M. I. Abdel-Monem, M. G. Mohamed, F. M. Abdelrazek, S. A. M. Metwally, Synthesis and reactions of some new Selenolo [2,3-c] Pyridazines. Chemistry of Heteocyclic compounds, Vol.47(3): PP. 363-370, (2011)
- S. H. Abdel-Hafez, M. I. Abdel-Monem, M. G. Mohamed, S. A. M. Metwally, Selenium-containing heterocycles 3. synthesis and reactions of selenolo- [2,3-b]pyridine derivatives and related fused tricyclic systems. Chemistry of Heteocyclic compounds, Vol. 47(3) :PP. 371-376, (2011)
- W. Ahmed El-Said, Tae-Hyung Kim, Cheol-Heon Yea, Hyuncheol Kim and Jeong-Woo Choi, Fabrication of Gold Nanoparticle Modified ITO Substrate to Detect beta-Amyloid Using Surface-Enhanced Raman Scattering. Nanosci Nanotechnol, Vol. 11(1):PP.768-772,(2011)
- W. Ahmed El-Said, Tae-Hyung Kim, Hyuncheol Kim, Jeong-Woo Choi, Analysis of Intracellular State Based on Controlled 3D Nanostructures Mediated Surface Enhanced Raman Scattering. plosone Open, Vol. 6(2):e15836 (2011)
- Y. M. Temerk, M. S. Ibrahim and M. Kotb, Square-Wave Cathodic Adsorptive Stripping Voltammetric Determination of 3-Hydroxyflavone, Morin and Hesperidin in Bulk Form and Biological Fluids in Absence and Presence of Cu(II). J. Braz. Chem. Soc., Vol. 22(11):PP. 2056-2064, (2011).
- A. A. Dahy, Nobuaki Koga, and Hiroshi Nakazawa, Density Functional Theory Study of N-CN and O-CN Bond

- Cleavage by an Iron Silyl Complex. *Organometallics*, Vol. 31(10):pp 3995–4005, (2012).
- A. A. Hermas, S. S. Al-Juaid, S. A. Al-Thabaiti, A. H. Qusti, M. Abdel Salam, In situ electropolymerization of conducting polypyrrole/carbon nanotubes composites on stainless steel: Role of carbon nanotubes types. *Progress in Organic Coatings*, Vol. 75: PP.404– 410, (2012).
- A. A. M. Said Aly, M. M. M. Abd El-Wahab, S. A. Soliman, A. A. Abd El-Hafez, V. Helmey, M. N. Goda, Potential application of propionic acid modified sugarcane bagasse for removing of basic and acid dyes from industrial wastewater. *Resources and Environment*, Vol. 2(3):PP. 93-99. (2012)
- A. Ahmed Geies, A. Yasser Elossaily, Sh. Osama Moustafa, Synthesis And Reactions Of Some New Pyrrolylthieno [2,3-d] Quinoxaline and Pyrrolopyrazinothienoquinoxalines. *Russian Journal of Bioorganic Chemistry*, Vol. 38(5): PP. 597-603, (2012).
- A. Farghaly, Sabah Esmail, Ali Abdel-Hafez, Patrice Vanelle and Hussein El-Kashef, New pyrazole derivatives of potential biological activity. *Arkivoc*, Vol.2012(7):PP. 228-241, (2012).
- A. Hosam Saad, and H. Shams Abdel-Hafez, Synthesis and Biological Activity of some Nucleoside Analogs of 3-cyanopyridin-2- one. *current organic synthesis*, Vol. 9: PP. 413-426, (2012).
- A. K. Hassan Abd El-Aal, A. Ali Khalaf, and Talaat El-Emary, Modern Friedel-Crafts chemistry. Part 35. New synthetic approach to substituted indolo[2,1-a] [2] benzazepines and indolo[2,1-a]isoquinolines via Friedel-Crafts cyclialkylations. *ARKIVOC* (ix), Vol. (9): PP. 122 – 135, (2012).
- A. M. Aref Aly, A. Mahmoud Ghandour, M. Bahaa Abu-Zied and S. Maged Al-Fakeh, Synthesis, Properties and Environmentally Important Nanostructured and

- Antimicrobial Supramolecular Coordination Polymers Containing 5-(3-Pyridyl)-1,3,4-Oxadiazole-2-Thiol and Benzimidazole. *Journal of Environment Analytic Toxicology*, Vol. 2(2): PP.1-7, (2012).
- A. M. Aref Aly, A. Mahmoud Ghandour, S. Maged AL-Fakeh, Synthesis and characterization of transition metal coordination polymers derived from 1,4-benzenedicarboxylate and certain azoles *Turk J Chem*, Vol. 36:PP.69 – 79, (2012).
- A. M. Aref Aly, T. Rueffer, B. Braeuer, M. Korb, L. Sorace, H. Lang, A novel 1-dimensional coordination polymer bearing tetrakis-carboxylato Co(II)₂ units interacting via P-donors based on 1-carboxylic-1'-(diphenylphosphino)ferrocene. *Inorg. Chim. Acta*, Vol. 392: PP. 404-409 (2012).
- A. M. Manal Hassan and M. K. Ahmed Youssef, Effect of toasting and microwaving on gross chemical composition, total phenolics, Antioxidant activity and phenolic acids fractionation of white beans flour (*Phaseolus vulgaris* L.). *World Applied Sciences Journal*, Vol. 18(6): PP. 731-736, (2012).
- A. Mahmoud Ghandour, Ahmed Hassan and M. Hazim Ali, Simultaneous Determination of some Medicaments by Linear Sweep Cathodic Adsorptive Stripping Voltammetry. *International Journal of Pharmacy and Pharmaceutical Sciences*, Vol. 4(4):PP.557-562, (2012).
- A. Mona Abdel-Rahman and M. Ahmed Al-Abd, Design and synthesis of thermoresponsive anticancer dendrimers based on oligoethylene glycols. *Assiut Univ. 8th International Pharmaceutical Sciences Conference*; Assiut, March 14th&15th, (2012).
- A. O. S. Mohamed, S. A. Ahmed and F. Mostafa Mostafa, Ag-doped TiO₂ enhanced photocatalytic oxidation of 1,2-cyclohexanediol. *J. Phys. Org. Chem*, Vol. 25:PP. 1418–1421.(2012)

- A. Saleh Ahmed, S. Khalid Khairou, A. Aboel-Magd Abdel-Wahab, A. Zein Hozien and Heinz Dürr, Photochromism of Dihydroindolizines Part XVIII: Palladium – Catalyzed Negishi Coupling for the Synthesis of Photochromic Dihydro 5-azaindolizine- Linker-conjugates with Terminal Ethylene Anchoring Group. *Tetrahedron Letters*, Vol. 53: PP.4397-4401, (2012).
- A. Saleh Ahmed, S. Khalid Khairou, A. Aboel-Magd Abdel-Wahab, A. Zeinab Hozien, Heinz Dürr, Photochromism of dihydroindolizines. Part XVIII: palladium-catalyzed Negishi coupling for the synthesis of photochromic dihydro 5-azaindolizine-linker-conjugates with a terminal ethylene anchoring group. *Tetrahedron Letters*, Vol. 53: PP. 4397–4401, (2012).
- A. Thabet Mohamed, R. Ragb, A. K. Mohamed, and A. Mahmoud Ghandour, Distribution of Heavy Metals in an Agricultural area around a fertilizer plant near Assiut city. *Egyptian Sugar Journal*, Vol.5:PP.47-55 (2012).
- A. Thabet Mohamed, R. Ragb, A. K. Mohamed, and A. Mahmoud Ghandour, Environmental Impact Assessment of Heavy Metal Pollution in Soils from Assiut Fertilizer plant, Egypt. International Conference on: New Role of the World economy of Sugar in a changed political and economic environment 10-13 November (2012), TL3.6, Aswan, Egypt (2012).
- G. A. W. Ahmed and M. O. Ahmed, Kinetics and Mechanism of Formation and Decomposition of Intermediate Complex during the Oxidation of β - Cyclodextrin by Alkaline Permanganate. International Conference on New Role for the World Sugar Economy in Changed and Economic Environment, 10- 13 November 2012, Aswan, Egypt. & *Egyptian Sugar Journal* (2012).
- H. A. K. Abd El-Aal and A. A. Khalaf, Modern Friedel-Crafts Chemistry. Part 33. New synthetic approach to substituted Imipramine via Friedel-Crafts cyclialkylations. Assiut

- Univ. 8th International Pharmaceutical Sciences Conference; Assiut, March 14th&15th (2012).
- H. F. Wu, Judy Gopal, Hani Nasser Abdelhamid, Nazim Hasan, Quantum dot applications endowing novelty to analytical proteomics. *Proteomics*, Vol. 12(19-20): PP. 2949-61. (2012).
- H. Nasser Abdelhamid, Hui-Fen Wua, A method to detect metal–drug complexes and their interactions with pathogenic bacteria via graphene nanosheet assist laser desorption/ionization mass spectrometry and biosensors. *Analytica Chimica Acta*, Vol. 751: PP. 94–104, (2012).
- H. Warad Al-Hussain, R. Al-Far, R. Mahfouz, B. Hammouti, T. Ben Hadda, Synthesis, spectral, thermal, X-ray single crystal of new $\text{RuCl}_2(\text{dppb})$ diamine complexes and their application in hydrogenation of Cinnamic aldehyde. *Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy*, Vol. 95: PP. 374-381, (2012).
- I. A. Ahmed Soliman, H. E. Nabil Khamis and A. Aboel-Magd Abdel-Wahab, Fatty Acids in Dry and Semi Dry Phoenix *Dactylifera* Date Fruits. The 1st International Conference on Science Diplomacy and Developments in Chemistry, Alexandria, Egypt, Nov. 24-26, (2012).
- I. Kamal Aly, New Polymer Syntheses Part: 54. Novel Conducting Polymers and Copolymers based on 4-Tertiary butyl-Cyclohexanone Moiety in the Main Chain. *Journal of Applied Polymer Science*, Vol. 123: PP. 390–3401, (2012).
- K. Fukumoto, A. Abdel-Rahman Dahy, Tsukuru Oya, Kazumasa Hayasaka, Masumi Itazaki, Nobuaki Koga, and Hiroshi Nakazawa, O–CN Bond Cleavage of Cyanates by a Transition-Metal Complex. *Organometallics*, Vol. 31(3):PP:787-790, (2012).
- K. Shaaban Mohamed, M. Abdel-Aal Gaber, Sohail Saeed, Khuram Shahza, Ahmad and Wing-Tak Wong, 1(Adamantan-1-ylcarbonyl)-3-(2,6-difluoro-4-

- hydroxyphenyl) thiourea. *Acta Cryst.* Vol. 68. 1597 (2012).
- Kh. Bahgat, Talaat EL-Emary, Infrared, Raman and NMR spectra, conformational stability, normal coordinate analysis and b_{31}^{yp} calculations of 5-Amino-3-methyl-1-phenyl-1H-pyrazole-4-carbaldehyde. *Journal of Molecular Structure*, Vol. 1034: PP. 325–335, (2012).
- M. A. Hussein, A. M. Asiri and I. Kamal Aly, New Polyamides and Polyoxazoles Containing Diphenyl ether in the Polymers Backbone. *International Journal of Polymeric Materials*, Vol. 61:PP: 154 –175, (2012).
- M. A. Hussein, M. A. Abdel-Rahman, A. M. Asiri, K. A. Alamry and I. Kamal Aly, Review on: liquid crystalline polyazomethines polymers. Basics, syntheses and characterization. *Designed Monomers and Polymers*, Vol. 15:PP. 431-463.(2012)
- M. A. Hussein, Mona A. Abdel-Rahman, Ahmed A. Geies, New Heteroaromatic Polyazomethines Containing Naphthyridine Moieties: Synthesis, Characterization, and Biological Screening. *Journal of Applied Polymer Science*, Vol. 126:PP.2–12, (2012).
- M. Abd El-Aal Gaber, A. Hussni Muathen, A. Layla Taib, Thermolysis of N-arylnicotinamide oximes III. *Journal of Analytical and Applied Pyrolysis*, Vol. 93:PP.14–18, (2012).
- M. Ahmed Abdel-Rahman and Mahmoud Aly Hussein, Towards high Molecular Weight Polyarylidene Containing Saturated Silicon Spacers in the Polymers Main Chain. 2nd International Advances in Applied Physics and Materials Science Congress, Turkey, April 26- 29, (2012).
- M. Al-Otabi, A. A. Al-Wasel, M. R. Siddiqui, R. M. Mahfouz, Kinetic studies for the non-isothermal decomposition of un-irradiated and γ -irradiated zirconium acetyl-acetate. *Progress in Reaction Kinetics and Mechanism*, 167 (5): PP. 342-351, (2012).

- M. Aly, M. A. Ghandour, M. S. Al-Fakeh, Supramolecular Zn(II) and Cd(II) coordination polymers comprising 1, 4-benzenedicarboxylate and certain azole ligands. *International Journal of Pure & Applied Chemistry*, Vol. 7(1): PP. 85-90, (2012).
- M. Aly, S. Y. El-Sanat, M. M. El-Tabakh, I. Abdel-Ghany, Effect of nitrogen fertilizer on the sugar beet quality and sugar recovery. *Egyptian Sugar Journal*, 5, 1 (2012).
- M. Essam Hussein and I. Maisa Abdel-Monem, Regioselective synthesis of dispiro [indane-2,3'-pyrrolidine-2',3'-indoline]-1,2,,3-triones and evaluation of their anti-inflammatory activities. *International Research Journal of Pharmacy and Pharmacology*, Vol. 2(3):PP.045-051, (2012).
- M. Essam Hussein and M. Ahmed El-Khawaga, Simple and Clean Procedure for Three-component Syntheses of Spiro {pyrido[2,1-b]benzothiazole-3,3'-indolines} and Spiro {thiazolo [3,2-a]pyridine-7,3'-indolines} in Aqueous Medium. *J. Heterocyclic Chem*, Vol.49:PP.1296-1301, (2012)
- M. Essam Hussein, Enviro-economic, Ultrasound-assisted One-pot, Three-component Synthesis of Pyrido[2,3-d]pyrimidines in Aqueous Medium. *Zeitschrift fur Naturforschung*, Vol. 67b:PP. 231 – 237, (2012).
- M. Essam Hussein, One-pot, Three-component, Green synthesis of Some Indeno [2',3':5,6] pyrido[2,1-b] benzothiazoles and Indeno[2',3'-e] thiazolo [3,2-a] pyridines One-Pot, Drei-Komponenten, Green Synthese einiger Indeno [2', 3': 5,6] pyrido [2,1-b] Benzothiazole und Indeno [2', 3'-e] thiazolo [3,2 a] pyridine. *Heterocyclic Letters* 2 (1), 19-26. (2012).
- M. Essam Hussein, Ultrasound-promoted Efficient Domino Reaction for One-pot synthesis of Spiro-5-cyanopyrimidines: A Rapid Procedure. *Monatshefte für Chemie*, Vol.144, 1691–1697. (2012).

- M. Farrag, Martin Thämer, Martin Tschurl, Thomas Bürgi and Ulrich Heiz, Preparation and Spectroscopic Properties of Monolayer-Protected Silver Nanoclusters. *J. Phys. Chem. C*, Vol. 116: PP. 8034–8043, (2012).
- M. Khaled Elsabawy, H. Shams Abdel-Hafez, Molecular structural visualization and micro-structural features of 4,6-dimethyl-3-cyanopyridine-(2H)-selenone. *Materials Chemistry and Physics*, Vol.132: PP. 631– 636, (2012).
- M. R. H. Siddiqui, A. I. Al-Wassil, A. M. Alotaibi and R. M. Mahfouz, Effects of precursor on the morphology and size of ZrO₂ nanoparticles, synthesized by sol-gel method in non-aqueous medium *Res. ,* 15 (6), 986-989, (2012).
- M. R. H. Siddiqui, I. Warad, S. F. Adil, R. M. Mahfouz and A. Al-arifi, nano-gold supported nickel manganese oxide: Synthesis, characterization and evaluation as oxidation catalyst. *Oxidation communications*, Vol. 35(2): PP. 476-481, (2012).
- M. Remon Zaki, A. Yasser Elossaily, and M. Adel Kamal El Dean, Synthesis and Antimicrobial Activity of Novel Benzo[f] Coumarin Compounds. *Russian Journal of Bioorganic chemistry*, Vol. 38(6): PP. 721–728, (2012).
- M. Th. Makhlof, B. M. Abu-Zied, T. H. Mansoure, Direct Fabrication of Cobalt Oxide Nano-particles Employing Glycine as a Combustion Fuel. *Scientific & Academic Publishing, Physical Chemistry*, Vol. 2(6): PP. 86-93, (2012).
- N. S. Al-Hokbany, A. A. Dahy, I. Kh. Warad. N. M. Abd El-Salam, S. T. Akriche, M. Rzaigut, U. Karama, and R. M. Mahfouz, Structural and Theoretical Studies of 2-amino-3-nitropyridine. *E-Journal of Chemistry*, Vol. 9: PP. 2191 – 2204, (2012).
- R. Hassan, Abdel Rahman Dahy, Samia Ibrahim, Ishaq Zaafarany, and Ahmed Fawzy, Oxidation of Some Macromolecules. Kinetics and Mechanism of Oxidation of Methyl Cellulose Polysaccharide by Permanganate Ion in

- Acid Perchlorate Solutions. Industrial & Engineering Chemistry Research, Vol. 51: PP. 5424-5432, (2012).
- R. M. Mahfouz, Kh. M. Al-Khamis, M. R. H. Siddiqui, N. S. Alhokbany, I. Warad and N. M. Al-andis, Kinetic studies of isothermal decomposition of unirradiated and γ -irradiated gallium acetylacetonate: New route for the synthesis of gallium oxide nanoparticles. Progress in Reaction Kinetics and Mechanism, Vol. 37(3): PP. 249-262, (2012).
- S. I .El-Sayiad, M. A. H. El-Geddawy, A. A. Abdel-Wahab, I. Abo-Hatab and E. G. I. Mohamed, Effect of Dextran on Polarization of Raw Juice and Thin Juice During Beet Sugar Manufacture. The 6th International Conference on New Role For The World Sugar Economy In A Changed Political and Economic Environment, Pyramisa Isis Island Hotel , Aswan , Egypt, Nov., 10-13, (2012).
- T. I. El-Emary and Shawkat A. Abd El-Mohsen, Multi-Component One-Pot Synthesis and Antimicrobial Activities of 3-Methyl-1,4-diphenyl-7-thioxo-4,6,8,9-tetrahydropyrazolo [5,4-b] pyrimidino [5,4-e] pyridine-5-one and Related Derivatives. Molecules, Vol. 17:PP. 14464-14483, (2012).
- A. A. M. El-Said Aly, M. Abdel-Mageed, Ternary Fe(III), Co(II), Ni(II) and Cu(II) complexes of ceftriaxone antibiotic with α -amino acids, 2, 2'-bipyridine and o-phenanthroline. Assiut Univ. J. Chem., 42, 13, (2013).
- A. Abd El-Aziz Said, A. M. Aref Aly, Mohamed Abd El-Wahab, A. Soliman Soliman, A. Ali Abd-El-Hafez, V. Helmey, N. Mohamed Goda, Application of modified bagasse as a biosorbent for reactive dyes removal from industrial waste water. Journal of Water Resource and Protection, Vol. 5: PP. 10-17, (2013).
- A. Abd El-Aziz Said, Aref A. M. Aly, M. Mohamed Abd El-Wahab, A. Soliman Soliman, A. Aly. Abd El-Hafez, V. Helmey and M. N. Goda, An efficient biosorption of direct

- dyes from industrial wastewaters using pretreated sugarcane bagasse. *Energy and Environmental Engineering*, Vol. 1(1): PP. 10-16. (2013).
- A. Abdel-Rahman Dahy and Nobuaki Koga, F–CN Bond Cleavage by Iron Silyl Complex and Electronic Effect of the Group or Atom Attached to Cyano Group: A Theoretical DFT Study. *Bull. Chem. Soc. Jpn.*, Vol. 86 (2013):PP. 273-275.(2013)
 - A. Abdel-Rahman Dahy, Nobuaki Koga, and Hiroshi Nakazawa, Catalytic Cycle for NCN Bond Cleavage by Molybdenum Silyl Catalyst: ADFT Study. *Organometallics*, Vol. 32: PP. 2725-2735, (2013).
 - A. Aboel-Magd Abdel-Wahab, A. El-Sayed Al-Shirbini, S. Omima Mohamed and A. Osama Nasr, TiO₂ – based photocatalytic oxidation of Paracetamol. Photocatalytic and Superhydrophilic Surfaces Workshop PSS2013 Manchester Museum 12th/13th December (2013).
 - A. Abou-Elhagag Hermas, Mohamed Abdel Salam, S. Salih Al-Juaid, In situ electrochemical preparation of multi-walled carbon nanotubes/polyaniline composite on the stainless steel. *Progress in Organic Coatings* Vol.76:PP. 1810–1813, (2013).
 - A. Abu EL-Fadl and A. M. Abdulwahab, Thermal Analysis of Li[K_x(NH₄)_{1-x}]SO₄ Mixed Crystals *Chinese Journal of Physics*, Vol .51(1): PP. 151-165, (2013).
 - A. K. Hassan Abd El-Aal and A. Ali Khalaf, Friedel-Crafts chemistry. Part 40. An expedient novel synthesis of some dibenz-azepines, -azocines, 11H-benzo[f]pyrido[2,3-b]azepines and 6H- benzo[g]pyrido[2,3-c]azocines. *ARKIVOC*, Vol. (6): PP. 306-322, (2013).
 - A. K. Hassan Abd El-Aal and A. Ali Khalaf, Modern Friedel-Crafts Chemistry. Part 38. Facile Synthesis of Acenaphthenes via Direct and Rearranged Intramolecular Friedel-Crafts Cyclialkylations of Intermediate Carbinols.

- Polycyclic Aromatic Compounds, Vol. 33(6): PP. 331-346, (2013).
- A. K. Hassan Abd El-Aal, A. Ali Khalaf, Friedel-Crafts Chemistry. Part 39. Unprecedented facile route to the synthesis of benzo [b][1] benzazepines via intramolecular Friedel-Crafts cyclialkylations. Aust. J. Chem., Vol. 66: PP. 635–645, (2013).
 - A. M. Aref Aly, S. Maged Al-Fakeh and A. Mahmoud Ghandour and M. Bahaa Abu-Zied, Environmentally Relevant Supramolecular Metal Coordination Polymers Derived from 5-(3-Pyridyl)- 1,3,4-Oxadiazole-2- Thiole and Imidazole. Oriental Journal of chemistry, Vol. 29(1): PP. 149-159, (2013).
 - A. M. Gaber and Layla A. Taib, Photochemical reactions of Polygermanes by Steady-state and Matrix Isolation. Journal of Chemical and Pharmaceutical Research, Vol. 5(11): 311, (2013).
 - A. Mahmoud Ghandour, F. Ahmad Thabet and M. A. Rafsllsh Mohamed, Determination of Zinc, Copper, Cadmium and Lead In Serum Of Patients With Acute Leukemia. IOSR, J.Environ. Sci. Toxicol. And Food Tech, (IOSR-JESTFT) Vol .4 (5): PP. 66-76, (2013).
 - A. Mahmoud Ghandour, Hassan Sedaira, M. M. Azza Ali, M. A. Mohamed Mansour, Determination of Uranium (VI) in Underground Water and Rock Samples by Adsorptive Cathodic Stripping Voltammetry. El-Minia Science Bulletin, Vol. 24(1): PP. 1-23, (2013).
 - A. Mahmoud Hussein, A. Mona Abdel Rahman & I. Kamal Aly, New Polymer Syntheses Part 56: Novel Friedel-Crafts Polyketones Containing Naphthalene Moiety: Synthesis, Characterization and Antimicrobial Activity. Journal of Macromolecular Science, Part A: Pure and Applied Chemistry, Vol.50:PP.99-109, (2013).
 - A. Mahmoud Hussein, A. Mona Abdel-Rahman, and I. Kamal Aly, New Polymer Syntheses Part: 56. Synthesis and

- Characterization of New Friedel Crafts Polyketones containing Naphthalene Moiety. Journal of Macromolecular Science, Part A: Pure and Applied Chemistry, Vol. 50:PP. 99–109 (2013).
- A. Mona Abdel-Rahman, M. Ahmed Al-Abd, Thermoresponsive dendrimers based on oligoethylene glycols: Design, synthesis and cytotoxic activity against MCF-7 breast cancer cells European Journal of Medicinal Chemistry, Vol. 69:PP. 848-854, (2013).
- A. Salah Makhoulf, H. Zinab Bakr, I. Kamal Aly, M. S. Moustafa, Structural, Electrical and Optical Properties of Co₃O₄ Nanoparticles. Superlattices and Microstructures. Vol. 64:PP. 107–117 (2013).
- A. Sayed Mustafa, Mohamed Saber and A. Mahmoud Ghandour, Evaluation of Wastewater and Groundwater Quality AT Arab El-Madabegh Area, Assiut Governorate, Egypt. The Seventh International Conference on the geology of Africa I, 49- I, 63, (Nov. 2013) Assiut-Egypt (2013).
- A. Shawkat Abdelmohsen, Y. A. El-Ossaily, M. Remon Zaki and A. Saoud Metwally, Novel synthesis of highly functionalized indoline derivatives via nucleophilic ring transformation reactions of 2,2-dicyano-2-oxo-1,2-dihydrospiroindole-3,3-oxirane. Trends in Heterocyclic Chemistry, Vol. 16:PP. 77-83, (2013).
- A. Thabet Mohamed, Ragab, R., Mohamed, A.k. and Mahmoud A., Ghandour, A Study of Heavy Metals in the dust Fall around Assiut Fertilizer Plant. Int. Journal of Environmental Protection, Vol. 4(12): PP. 1488-1494, (2013).
- A. Y. Obaid, S. A. Al- Thabaiti, A. H. Qusti, A. A. Hermas, Inhibition of Pitting Corrosion for Type 430 Stainless Steel by Dipyrindinium Salts. Asian Journal of Chemistry; Vol. 25(7): PP. 3781-3788, (2013).

- A. Y. Obaid, S. A. AL-Thabaiti, A. H. Qusti and A. A. Hermas, Inhibition of Pitting Corrosion of the Stainless Steel by Dipyrindinium Salts. Asian Journal of Chemistry; Vol. 25(7): PP. 3781-3788, (2013).
- A. Yasser El-Ossaily, O. S. Moustafa, S. A. Ibrahim, G. M. El-Nagar, A. M. Saoud Metwally, Synthesis reactivity and effect of molecular Structure and Solvent on the electronic Spectra of 3,5 Pyrazoline dione derivatives. Trends in Heterocyclic Chemistry, Vol. 16: PP. 23-32, (2013).
- D. Abd el-Hady, Ahmed K. Youssef, Hyphenation of ionic liquid albumin glassy carbon biosensor or protein label-free sensor with differential pulse stripping voltammetry for interaction studies of human serum albumin with fenopufen enantiomers. Analytica Chimica Acta , Vol. 772: PP. 68-74, (2013).
- D. M. Fouad & M. B. Mohamed, Malathion-Induced Surface Coupling with Gold Nanoparticles. Plasmonics, Vol. 8(2): PP. 937–941, (2013).
- E. Y. Hashem and A. K. Youssef, Spectrophotometric determination of norepinephrine with sodium iodate and determination of its acidity constants. Journal of Applied Spectroscopy, Vol. 80(2): PP. 266-272, (2013).
- A. A. Ganash, F. M. Al-Nowaiser, S. A. Al-Thabaiti, A. A. Hermas, Protection of stainless steel by the electrodeposition of polyaniline/poly(o-phenylenediamine) composite layers. J Solid State Electrochem, Vol. 17: PP. 849-860, (2013).
- H. Abdou Kotb Abd El-Aal and A. Ali Khalaf, Modern Friedel–Crafts chemistry. Part 36. Facile synthesis of some new pyrido[3,2,1-jk]carbazoles via Friedel–Crafts cyclialkylations. Journal of the Serbian Chemical Society, Vol.78(5): PP.611–619, (2013).
- H. Nasser Abdelhamid and Hui-Fen Wu, Multifunctional graphene magnetic nanosheet decorated with chitosan for

- highly sensitive detection of pathogenic bacteria. *J. Mater. Chem. B*, Vol. 1: PP. 3950-3961, (2013).
- H. Nasser Abdelhamid Hui-Fen Wu, Probing the interactions of chitosan capped CdS quantum dots with pathogenic bacteria and their biosensing application. *Journal of Materials Chemistry B*, Vol. 1: PP. 6094-6106, (2013).
- H. Nasser Abdelhamid, Applications of nanomaterials and organic semiconductors for bacteria & biomolecules analysis/biosensing using laser analytical spectroscopy. Master's thesis, National Sun-Yat Sen university, (2013).
- H. Nasser Abdelhamid, Judy Gopal, Hui-Fen Wu, Synthesis and application of ionic liquid matrices (ILMs) for effective pathogenic bacteria analysis in matrix assisted laser desorption/ionization (MALDI-MS). *Analytica Chimica Acta*, Vol. 767: PP. 104–111, (2013).
- I. Kamal Aly, A. Mahmoud Hussein & M. Marwa Sayed, Liquid crystalline polymers XII. Main chain thermotropic poly(arylidene-ether)s containing 4- tertiary-butyl-cyclohexanone moiety linked with polymethylene spacers. *Liquid Crystals*, Vol. 40(11): pp. 1570 - 1580, (2013).
- I. Kamal Aly, Studies on synthesis and thermal characterization of thermotropic liquid-crystalline poly(benzylidene-ether)s containing alkanones and methylene spacers in the main chain. *Liquid Crystals*, 2013, 39: pp. 683-693, (2013).
- I. Kamal Aly, Liquid Crystalline Polymers XIV. Main Chain Thermotropic Copoly (arylidene – ether)s containing 4-tertiary butyl-cyclohexanone and Cyclohexanone moieties linked with polymethylene spacers. 12Ibn Sina International conference in Heterocyclic chemistry, Luxor Febrauray, 16-19, (2013).
- I. Kamal Aly, M. Ahmed Elkhawaga, A. Mahmoud Hussein and M. Marwa Sayed, Liquid Crystalline Polymers XI. Main Chain thermotropic poly (arylidene – ether)s containing Methyl-Cyclohexanone moiety linked with polymethylene spacers. *Liquid Crystals*, Vol. 40 (6): PP. 711-725 (2013).

- J. Gopal, Hani Nasser Abdelhamid, Pei-Yang Hua, Hui-Fen Wu, Chitosan nanomagnets for effective extraction and sensitive mass spectrometric detection of pathogenic bacterial endotoxin from human urine. *Journal of Materials Chemistry*, Vol. 1: PP. 2463-2475, (2013).
- J. Lu, Yu Lei, Kah Chun Lau, Xiangyi Luo, Peng Du, Jianguo Wen, S. Rajeev Assary, Ujjal Das, J. Dean Miller, W. Jeffrey Elam, M. Hassan Albishri, D. Abd El-Hady, Yang-Kook Sun, Larry A Curtiss, Khalil Amine,) A nanostructured cathode architecture for low charge overpotential in lithium-oxygen batteries. *Nature communications*, 4:2383 (2013).
- K. Ahmed Youssef, Deia Abd el-Hady, Using of In-situ mercury film sensor hyphenated with affinity voltammetry for high throuput drug- protein binding studies. *American journal of Analytical Chemistry*, Vol. 4: PP. 159-165, (2013).
- K. Fatma Abdel-Wadood, I. Maisa Abdel-Monem, M. Atiat Fahmy, and A. Ahmed Geies, Synthesis, Reactions, and Biological Activities of Some New Thieno[3,2-c]quinoline and Pyrrolo[3,2-c]quinoline Derivatives. *Arch. Pharm. Chem. Life Sci*, Vol. 346: PP. 1–11, (2013).
- K. Mohamed Salah Youssef, S. Mohamed Abbady, A. Ragaa Ahmed, A. Ahmed Omar, Synthesis of Some New Heterocycles Derived from Ethyl 7-Amino-3-(3-methyl-5-oxo-1-phenyl-2-pyrazolin-4-yl)-5-aryl-5H-thiazolo[3,2-a]pyrimidine-6-carboxylate of Biological Importance. *J. Heterocyclic. Chem*, Vol. 50(2): PP. 179–187, (2013).
- K. Shaaban Mohamed, A. A. Abdelhamid, Walid Omara, M. Abdel-Aal Gaber and Mustafa Albayati, An efficient one-pot synthesis and in-vitro anti-microbial study of new thiazolidinones, imidazolidinones and thiazinanones based amino alcohols. *Journal of Chemical and Pharmaceutical Research*, Vol. 5 (1): PP. 19-31, (2013).

- M. A. Abdel Rahman, M. A. Hussein, Polyarylidene Containing Saturated Silicon Spacers in the Polymers Main Chain. Designed Monomers and Polymers, Vol. 16: PP. 377 – 388, (2013).
- M. Abd El-Aal Gaber, A. Hussni Muathen, A. Layla Taib, Thermal Fragmentation and Rearrangement of N-Aryl-2-Furamide Oximes I. Journal of Chemical and Pharmaceutical Research, Vol. 5(11), 303-310, (2013).
- M. Abdullah Asiri, A. Mahmoud Hussein, M. Bahaa Abu-Zied, A. Abou-Elhagag Hermas, Effect of NiLax Fe₂-xO₄ nanoparticles on the thermal and coating properties of epoxy resin composites. Composites: Part B, Composites Part B, Vol. 51: PP. 11–18, (2013).
- M. Abdullah Asiri, A. Mahmoud Hussein, M. Bahaa Abu-Zied, A. Abou-Elhagag Hermas, Effect of NiLaFe₂O₄ nanoparticles on the thermal and coating properties of epoxy resin composites. Composites: Part B Vol. 51 (2013): PP. 11–18, (2013).
- M. Adel Kamal El Dean, M. Remon Zaki, A. Ahmed Geies, M. Shaban Radwan, S. Mahmoud Tolba, Synthesis and Antimicrobial Activity of New Heterocyclic Compounds Containing Thieno[3,2c]Coumarin and Pyrazolo[4,3- c]Coumarin Frameworks. Russian Journal of Bioorganic Chemistry, Vol. 39 (5): PP.619–630, (2013).
- M. Ahmed Abdel-Rahman, Mahmoud Ali Hussein, Kamal I. Aly, and Abdelwareth Abdel-Haleam Sarhan, New Polymer Syntheses Part 57: Thermally Stable New Ferrocene-Polyazomethines, Synthetic Methodology, and Characterization. Journal of Chemistry, Vol. 2013:PP.1-9, (2013).
- M. Aly, A. A. Haroun, M. M. El-Tabakh, Beet juice purification using a recycled amount of the first carbonated MUD. Egyptian Sugar Journal, Vol. 6: PP. 1-16. (2013).
- M. Aly, M. S. Al-Fakeh, M. A. Ghandour, B. M. Abu-Zied, New nanosizedsupramolecular metal coordination

- polymers derived from 1, 2-bis(2-pyridyl)-ethene and benzimidazole. *Nano Science & Nano Technology: An Indian Journal*, Vol. 7: PP. 197-203, (2013).
- M. Aly, M. S. Al-Fakeh, M. A. Ghandour, B. M. Abu-Zied, Synthesis and biological studies of nanostructured metal coordination polymers derived from 1, 3-di(4-pyridyl) propane and 1-methylimidazole. *Inorganic Chemistry: An Indian Journal*, Vol. 8: PP. 74-81, (2013).
- M. F. Sanaa Gad El-Rab, N. N. Romany Abskharon, H. A. Sedky Hassan and A. M. Ahmed Shoreit, The influence of heavy metals toxicity on the antioxidant enzyme activities of resistant *E. coli* strains isolated from waste water sites. *Int. J. Curr. Microbiol. App. Sci*, Vol. 2(12): PP. 162-175, (2013).
- M. Farrag, Martin Tschurl, Amala Dass, and Ulrich Heiz, Infra-red Spectroscopy of Size Selected Au₂₅, Au₃₈ and Au₁₄₄ Ligand Protected Gold Clusters. *Phys. Chem. Chem. Phys.* Vol.15: PP. 12539-12542, (2013).
- M. Farrag, Martin Tschurl, and Ulrich Heiz, Chiral Gold and Silver Nanoclusters: Preparation, Size-Selection and Chiroptical Properties. *Chem. Mater.* Vol. 25:PP. 862–870, (2013).
- M. M. Shata, S. M. Ahmed, M. M. Kamal, Cathodic Stripping Defferential pulse Voltammetric Determination of Poly(8-Hydroxyquinoline) Matrix. *International Journal of Pure & Applied Chemistry*, Vol. 8: PP. 218-224, (2013).
- M. Mohamed Shahata, M. Seddique Ahmed and, M. Mostafa Kamal, Cathodic Stripping Voltammetric Determination of Poly(8-Hydroxyquinoline) Matrix. *International Journal of Pure & Applied Chemistry*, Global Publishing, Vol. 8: PP.218-224, (2013).
- M. Th. Makhoulouf, B. M. Abu-Zied, and T. H. Mansoure, Direct Fabrication of Cobalt Oxide Nanoparticles Employing Sucrose as a Combustion Fuel. *Journal of Nanoparticles*, Vol. 2013: PP. 1-7, 2, (2013).

- M. Th. Makhlouf, B. M. Abu-Zied, T. H. Mansoure, Effect of calcination temperature on the H₂O₂ decomposition activity of nano-crystalline Co₃O₄ prepared by combustion method. *Applied Surface Science*, Vol. 274:PP.45– 52, (2013).
- M. Yassien Temerk and S. M. Hossieny Ibrahim, Individual and Simultaneous Square Wave Voltammetric Determination of the Anticancer Drugs Emodin and Irinotecan at Renewable Pencil Graphite Electrodes. *J. Braz. Chem. Soc*, Vol. 24(10): PP.1669-1678, (2013).
- N. Al-Muaikel, A. Aly, E. Ishak, M. Ramadan, M. Germoush, T. El-Emary, Recent Report on Thieno[2,3-d]pyrimidines. Their Preparation Including Microwave and Their Utilities in Fused Heterocycles Synthesis. *J. Heterocyclic Chem.*, Vol. 50: PP. 451-472, (2013).
- O. Ahmed Abdou Abeed and A. Shawkat Abdel-Mohsen, Synthesis, Characterization and Antimicrobial activity of new Thiadiazoles, Thiazolidines and Spiro (Indole-Azoles) Linked to 2-Pyrazolin-5-one. *European Journal of Scientific Research*, Vol. 108(2): PP. 279-294, (2013).
- R. Hassan, Ishaq Zaaferany, and Hideo Takagi, Oxidation of Some Water-Soluble Anionic Polyelectrolytes. Oxidation of Carboxymethyl Cellulose Polysaccharide by Hexachloroiridate(IV) in Aqueous Perchlorate Solutions. A Kinetic and Mechanistic Approach to Electron-Transfer Process. *Ind. Eng. Chem. Res.*, Vol. 52(4): PP. 1531–1537, (2013).
- R. Hassan, Samia Ibrahim, Abdel Rahman Dahy, Ishaq Zaaferany, Fahd Tirkistani, Hideo Takagi, Kinetics and mechanism of oxidation of chondroitin-4-sulfate polysaccharide by chromic acid in aqueous perchlorate solutions. *Carbohydrate Polymers*, Vol. 92: PP. 2321–2326, (2013).
- R. M. Hassan and Ishaq A. Zaaferany, Kinetics of Corrosion Inhibition of Aluminum in Acidic Media by Water-Soluble

- Natural Polymeric Pectates as Anionic Polyelectrolyte Inhibitors, *Materials*, Vol. 6:PP. 2436-2451, (2013).
- R. M. Hassan, A mechanistic Approach to the Kinetics of Electron-Transfer Reactions in Oxidation of Water-Soluble Macromolecules in Particularly Carbohydrates by Alkaline Permanganate with Spectrophotometric Detection of Blue Hypomanganate (V) and Green Manganate (VI), 7). *Recent Development in Carbohydrate Research*, by S.G. Pandalai, Vol. 3, Transworld Research Network, 3, 27, 2013, NULL (2013).
- R. M. Hassan, I. A. Zaafarany, H. I. Takagi and Y. Ikeda, Kinetics and Mechanism of Hexachloroiridate(IV) Oxidation of Tellurium(IV) in Aqueous Solutions. *New J. Chem*, Vol. 37: PP. 2700-2707, (2013).
- R. M. Mahfouz, G. A. W. Ahmed, A. I. Al-Wassilb, M. R. H. Siddiquib and A. M. Al-Otaibi, Radiation-induced synthesis of ZrO_2 nanoparticles by thermaldecomposition of zirconium acetylacetonate. *Radiation Effects & Defects in Solids*, Vol. 168: PP. 11-12, (2013).
- R. Sekar, Suresh Kumar Kailasa, Hani Nasser Abdelhamid, Yuan-Chin Chen, Hui-Fen Wua, Electrospray ionization tandem mass spectrometric studies of copper and iron complexes with tobramycin. *International Journal of Mass Spectrometry*, Vol. 338: PP. 23–29, 10, (2013).
- S. Ahmed Hammam, A. Mona Abdel-Rahman, A. Abdel-Rahman Hassan and M. Osamaa Younis, Synthesis and Characterization of Pyrrolo[2,3-f] Indole-3,7-Dicarbonitriles. *International Journal of Advance in Medical Science*, Vol. 1(1): PP.11-17, (2013).
- S. Maged Al- Fakeh, A. M. Aref Aly, A. Mahmoud Ghandour, Facile direct formation of ZnO nanoparticles from a Zn(II) coordination polymer derived from 5-(3-pyridyl)-1,3,4-oxadiazole-2-thiol and benzimidazole. 3rd International conference of Nanotec & Expo, Decemper 2-4, 2013 Las Vegas USA (2013).

- S. Nayef Al-Muaikel and I. Kamal Aly, Liquid Crystalline Polymers XIII. Main Chain Thermotropic Copoly (arylidene – ether)s containing 4-tertiary butyl-cyclohexanone moiety linked with polymethylene spacers. Open Journal of Organic Polymer Materials. Vol.3: PP. 19-26, (2013).
- S. Y. El-Sanat, A. A. M. Aly, M. M. El-Tabkh, I. Abdel-Ghaney, Optimal Egyption factors affecting nonsugar elimination in beet juice purification and economic return on sugar recovery. Egyptian Sugar Journal, Vol. 6: PP. 139-169, (2013).
- T. El-Emary and Hussein El-Kashef, First synthesis and biological evaluation of indeno[2,1-e]pyrazolo[3,4-b]pyrazin-5-one and related derivatives. European Journal of Medicinal Chemistry, Vol. 62: PP. 478-485, (2013).
- U. K. Karama, R. M. Mahfouz, Z. A. Al-Othman, I. Kh. Warad, A. Almansour, One-pot combination of the Wittig olefination with bromination, oxidation reaction. Synthetic Communications, Vol. 43: PP. 893–898, (2013).
- Y. M. Temerk, M. S. Ibrahim, M. Kotb and W. Schuhmann, Interaction of antitumor flavonoids with dsDNA in the absence and presence of Cu(II). Anal Bioanal Chem, Vol. 405: PP. 3839–3846, (2013).
- Y. M. Temerk, M. S. Ibrahim, M. Kotb, W. Schuhmann, Renewable Pencil Electrodes for Highly Sensitive Anodic Stripping Voltammetric Determination of 3-Hydroxyflavone and Morin in Bulk Form and in Biological Fluids. Electroanalysis, Vol. 25(6): PP. 1381–1387, (2013).
- A. A. M. Said A. A. M. Aly, M. M. Abd El-wahab, A. A. Abd El-Hafez, V. H. Morcos. Facile modification of sugarcane bagasse by applying different additives to be used as an efficient sorbent for oil removal from polluted water. Assiut Uni. J. Chem., 43, 33 (2014).
- A. A. M. Said Aly, M. M. Abd El-Wahab, S. A. Soliman, M. N. Goda, Synthesis and structural characterization of nano

- CuO-NiO mixed oxides. Nanoscience and Nanoengineering, Vol. 2(1): PP. 17-28, (2014).
- A. A. Said, A. A. M. Aly, M. M. Abd El-Wahab, A. A. Abd El-Hafez and M. N. Goda, A new approach on the catalytic performance of the Egyptian natural clay catalysts for synthesis of n-butyl acetate. The Seventh Tokyo Conference on Advanced Catalytic Science and Technology (TOCAT7), 1-6, June 2014, short communication, (2014).
- A. A. Said, M. M. Abd El-Wahab, A. M. Alian, New approach on the catalytic oxidation of methanol to formaldehyde over MoO₃ supported on nanohydroxyapatite catalysts. Materials Science and Engineering, Vol. 64: PP. 1-6, (2014).
- A. Abd EL-Aziz Said, A. M. Aref Aly, Adel Abd EL-Hameed Ahmed, and S. Hazem Ahmed, Utilization of lime-mud as a filler in paper making. Assiut University Journal of Chemistry Vol. 43:PP. 41-46, (2014).
- A. Abd El-Aziz Said, M. Mohamed Abd El-Wahab, Mohamed Abd El-Aal, The catalytic performance of sulfated zirconia in the dehydration of methanol to dimethyl ether. Journal of Molecular Catalysis A: Chemical, Vol. 394: PP. 40–47, (2014).
- A. Abdel Rahman, A. B. Dahy, Nobuaki Koga, A computational study on the formation of pyridin-2(1H)-one and pyridine-2(1H)-thione from the reaction of cobaltacyclopentadiene with isocyanate and isothiocyanate. Journal of Organometallic Chemistry, Vol. 770: PP. 101-115, (2014).
- A. Abo Markeb, Nagwa Abo El-Maali, Simultaneous quantitation of 5-and 7-hydroxyflavone antioxidants and their binding constants with BSA using dual chiral capillary electrophoresis Hyperlink and HPLC with fluorescent detection. Talanta, Vol. 119: PP. 417-424, (2014).

- A. Abo Markeb, Nagwa Abo El-Maali, Simultaneous quantitation of 5- and 7-hydroxyflavone antioxidants and their binding constants with BSA using dual chiral capillary electrophoresis (dCCE) and HPLC with fluorescent detection. *Talanta*, Vol.119: PP.417–424, (2014).
- A. Abu El-Fadl and A. M. Nashaat, Crystal Growth and Physical Properties of KDP Admixture TGS Single Crystals. *Archives of Physics Research*, 2014, Vol. 5 (6):PP. 19-28, (2014).
- A. Alaa Hassan, A. Ashraf Aly, I. M. Tarek Bedair, B. Alan Brown and I. Talaat El-Emary, A Facile Method for the Synthesis of (Substituted) hydrazine-4-oxothiazolidines and Substituted imino-5-oxothiadiazines from 1,4-Disubstituted thiosemicarbazides. *J. Heterocyclic Chem.*, Vol. 51: PP. 44-49, (2014).
- A. Al-resheedi, N. S. Alhokbany and R. M. Mahfouz, radiation induced synthesis of in nanoparticles- part 1; synthesis of In₂O₃ nanoparticles by sol-gel method using un-irradiated and irradiated indium acetylacetonate. *Materials Research*, Vol. 17 (2): PP. 346-351, (2014).
- A. Amany Osman, M. Salley Bakkar, A. Safaa Mahgoub and Y. Ahmed Nassar, The Role of Body Detoxifying Factors Against Aflatoxicosis. *Young Researcher Conference*, (2014).
- A. Caruso, Jean-Charles Lancelot, Hussein El-Kashef, Antonella Panno, Maria Stefania Sinicropi, Rémi Legay, Aurélien Lesnard, and Sylvain Rault, Four Partners, Three-step, One-pot Reaction for a Library of New 2-Alkyl (dialkyl) aminoquinazolin-4(3H)-ones. *J. Heterocycl. Chem.*, 51(S1): PP. 282 -293, (2014).
- A. Caruso, Maria Stefania Sinicropi, Jean-Charles Lancelot, Hussein El-Kashef, Carmela Saturnino, Geneviève Aubert, Céline Ballandonne, Aurélien Lesnard, Thierry Cresteil, Patrick Dallemagne and Sylvain Rault, Synthesis and

- evaluation of cytotoxic activities of new guanidines derived from carbazoles. *Bioorganic & Medicinal Chemistry Letters*, Vol. 24:PP. 467 – 472, (2014).
- A. El-Shahawy, DFT Cancer Energy Barrier and Spectral Studies of Aspirin, Paracetamol and Some Analogues. *Computational Chemistry*, Vol. 2: PP. 6-17, (2014).
- A. EL-Shahawy, Nagwa Abo El-Maali and Hassan H. EL-Hawary, Averting Cancer Effect of Paracetamol and Phenacetin by N-Acetylcystine. *International Journal of Pharmacy and Pharmaceutical Sciences* Vol. 6, Issue 5, (383-390), (2014).
- A. El-Shahawy. Nagwa Abo El-Maali and Hassan H. El-Hawary, Averting Cancer Effect of Paracetamol and Phenacetin by Nacetylcysteine and its Analogues. *IJPSR*, Vol. 5(10): 4159-4169 (2014).
- A. Etify Bakhite, A. A. Abd-Ella, M. E. A. El-Sayed, Sh. A. A. Abdel-Raheem, Pyridine derivatives as insecticides. Part 1: Synthesis and toxicity of some pyridine derivatives against Cowpea Aphid, *Aphis craccivora* Koch (Homoptera: Aphididae). *J. Agric. Food Chem.* Vol. 62:PP. 9982-9986, (2014).
- A. Etify Bakhite, E. Abdu Abdel-Rahman, A. Elham Al-Taifi, Fluorine-containing heterocycles: Part III. Synthesis of some new furo[2,3-b]-, pyrazolo[3,4-b]- and thieno[2,3-b]pyridines with anticipated biological activities. *Arabian J Chem.* Vol. 7: PP. 936-946, (2014).
- A. Etify Bakhite, E. Abdu Abdel-Rahman, A. Elham Al-Taifi, Fluorine – containing heterocycles: PartIII. Synthesis of some new furo [2, 3 - b]-, pyrazolo [3, 4-b]- and thieno[2,3-b] pyridines with anticipated biological activities. *Arabian journal of chemistry*, Vol. 7: PP. 936-946, (2014).
- A. Etify Bakhite, E. Abdu Abdel-Rahman, A. Elham Al-Taifi, Fluorine-containing heterocycles: Part III. Synthesis of some new furo[2,3-b]-, pyrazolo [3,4-b]- and thieno[2,3-

- b]pyridines with anticipated biological activities. *Arabian Journal of Chemistry* Vol. 7: PP. 936–946, (2014).
- A. F. EL-Mahdy, M. Kia, T. Shibata and T. Kabashima, Dendrimer-like polymeric DNAs as chemiluminescence probes for amplified detection of telomere DNA on a solid-phase membrane. *Chemical Communications*, Vol. 50(7): PP. 859-861, (2014).
- A. Farghaly, Sabah Esmail, Ahmed Abdel-Zaher, Ali Abdel-Hafez, Hussein El-Kashef, Synthesis and Anticonvulsant Activity of Some New Pyrazolo[3,4-b] pyrazines and related heterocycles. *Biorganic & Medicinal Chemistry*, Vol. 22: PP. 2166-2175, (2014).
- A. Hassan, A. Aly, T. Bedair, A. Brown and I. Talaat El-Emary, A Facile Method for the Synthesis of Hydrazine-4-oxothiazolidine and Imino-5-oxothiadiazine Derivatives from 1,4-Disubstituted thiosemicarbazides. *J. Heterocyclic Chem.* Vol. 51: PP. 44-49, (2014).
- A. K. Hassan Abd El-Aal and I. Talaat El-Emary, Efficient synthesis, characterization and biological evaluation of some new atophan carbohydrazide derivatives. *J. Chem. Pharm. Res.*, Vol. 6(12): PP. 90-99, (2014).
- A. K. Hassan Abd El-Aal, A. Ali Khalaf and M. A. Ahmed El-Khawaga, Friedel-Crafts Chemistry. Part 42. Unprecedented three synthetic protocols for dihydro-10-oxo-5H-dibenz [b, f] azepine precursor of antiepileptic drug oxcarbazepine (OXC). *Assiut Univ. 9th International Pharmaceutical Sciences Conference*; Assiut, March 12th & 13th, (2014).
- A. K. Hassan Abd El-Aal, A. Ali Khalaf and M. A. Ahmed El-Khawaga, Modern Friedel-Crafts Chemistry. Part 37. Efficient syntheses of some new Julolidines via cyclialkylations of heteroaryl carbinols. *J. Heterocyclic Chem.*, Vol. 51:PP. 262-268, (2014).
- A. K. Hassan Abd El-Aal, M. A. Ahmed El-Khawaga and A. Ali Khalaf, Friedel-Crafts Chemistry. Part 42. An

- alternative novel four synthetic approaches of dihydro-10-oxo-5h-dibenz[b,f]azepine precursor of the antiepileptic drug oxcarbazepine (oxc). Assiut University 9th International Pharmaceutical Sciences Conference; Assiut, March 12th and 13th (2014).
- A. K. Hassan, Abd El-Aal, A. M. A. El-Khawaga, and A. Ali Khalaf, Friedel-Crafts Chemistry: Part 41. A new facile synthesis of indeno[1,2-c]pyrazoles, 2H-benzo[g]indazoles and benzo[6,7]cyclohepta[1,2-c]pyrazoles via Friedel-Crafts ring closures. European Journal of Chemistry, Vol. 5(2): PP. 277-286, (2014).
 - A. M. Aref Aly, S. Maged Al-Fakeh, A. Mahmoud Ghandour, M. Bahaa Abu-Zied, Mixed ligand coordination polymers of manganese (II), cobalt (II), copper (II), cadmium (II) and mercury (II) containing 1, 3-di (4-pyridyl) propane and imidazole. Assiut University Journal of Chemistry (AUJC), Vol. 43: PP. 13-23, (2014).
 - A. M. Moharram, M. A. Ismail, A. M. Shoreit and M. H. A. Abdelhafez, Biodiversity of microbiotain cephalosporin-manufacturing environments, at T3A, Assiut, Egypt. Journal of Basic & Applied Mycology (biodiversity of microorganisms) Vol. 5 p1-13, (2014).
 - A. Mahmoud Ghandour, Ahmed Hassan, M. Hazim Ali, Electrochemical Behaviour Of Omeprazole Interacting With Mycin Derivatives And Doxycycline. International Journal of Pharmaceutical Sciences and Research, Vol. 5 (12): PP. 5183-5190, (2014).
 - A. Mohamed Thabet, R. Ragab, A.K. Mohamed, and Mahmoud A. Ghandour, Application of Pollution Indices for Evaluation of Heavy metals in Soil close to the phosphate fertilizer plant, Assiut, Egypt. Ass. Uni. Bull. Environ. Res., Vol. 17(1): PP. 43-53, (2014).
 - A. Panno, Maria Stefania Sinicropi, Anna Caruso, Hussein El-Kashef, Jean-Charles Lancelot, Geneviève Aubert, Aurélien Lesnard, Thierry Cresteil, and Sylvain Rault, New

- Trimethoxybenzamides and Trimethoxyphenylureas Derived from Dimethylcarbazole as Cytotoxic Agents. Part I. J. Heterocycl. Chem. Vol. 51(51): PP. 294 -302, (2014).
- A. Shawkat Abdel-Mohsen and M. Essam Hussein, A Green Synthetic Approach to the Synthesis of Schiff Bases from 4-Amino-2-thioxo-1,3-diazaspiro[5.5]undec-4-ene-5-carbonitrile as Potential Anti-inflammatory Agents. Russian J. Bioorg. Chem., Vol. 40(3): PP. 370–376, (2014).
- A. Shawkat Abdelmohsen and S. Mohamed Abbady, An efficient synthesis and reactions of 3-(8-hydroxyquinolin-5-yl)-7-methylthio-5-oxo-5H-[1,3] thiazolo [3,2-a] pyrimidine-6-carbonitrile as antimicrobial agents. Int J Pharm Pharm Sci., Vol. 6(5): PP. 696 -703, (2014).
- A. Shawkat Abdelmohsen, A convenient Synthesis and preparation of the derivatives of ethyl -6-(8-hydroxyquinolin-5-yl) -3-methylpyridazine-4-carboxylate as antimicrobial agents. European Journal of Chemistry, Vol. 5(3): PP. 517-525, (2014).
- A. Shawkat Abdelmohsen, I. Talaat El-Emary, Synthesis Characterization and Antimicrobial Activity of Novel Pyrazolo[3,4-b]Pyridines and their Spiroheterocyclic Derivatives. Journal of Advances in Chemistry, Vol. 10(7): PP. 2901-2915, (2014).
- A. Thabet Mohamed, Mohamed Abuel kasseem Mohamed, A. Mahmoud Ghandour and S. Kato, A Study on The air Quality from Sugar Industry in Upper-Egypt. Egyptian sugar Journal, Vol. 7: PP. 79-98, (2014).
- A. Waleed El-Said and Jeong-Woo Choi, In situ Detection of Neurotransmitter Release from PC12 cells using Surface Enhanced Raman Spectroscopy. Biotechnol Bioprocess Eng. Vol. 19: PP. 1069-1076, (2014).
- A. Waleed El-Said, Hyeon-Yeol Cho, Cheol-Heon Yea, Jeong-Woo Choi, Synthesis of metal nanoparticles inside living human cells

- based on the intracellular formation process. *Advanced Materials*, Vol. 26: PP. 910–918, (2014).
- A. Waleed El-Said, Jeong-Woo Choi, Electrochemical Biosensor consisted of conducting polymer layer on gold nanodots patterned Indium Tin Oxide electrode for rapid and simultaneous determination of purine bases. *Electrochimica Acta*, Vol. 123:PP. 51–57, (2014).
 - A. Y. Obaid, E. H. El-Mossalamy, S. A. Al-Thabaiti, I. S. El-Hallag, A.A. Hermas and A. M. Asiri, Electrodeposition and Characterization of Polyaniline on Stainless Steel Surface via Cyclic, Convulsive Voltammetry and SEM in Aqueous Acidic Solutions. *Int. J. Electrochem. Sci.*, Vol. 9: PP. 1003 – 1015, (2014).
 - A-N. Kawde, Yassein Temerk and Nasser Farhan, Adsorptive Stripping Voltammetry of Antibiotics Rifamycin SV and Rifampicin at Renewable Pencil Electrodes. *Acta Chim. Slov*, Vol.61:PP: 398–405, (2014).
 - B. M. Abu-Zied, S. A. Soliman, S. E. Abdella, Pure and Ni-substituted Co_3O_4 Spinel Catalysts for direct N_2O Decomposition. *Chinese J. Catalysis*, Vol. 35(7): PP. 1105-1112, (2014)
 - B. Wu, Hani Nasser Abdelhamid, Hui-Fen Wu, Synthesis and antibacterial activities of graphene decorated with stannous dioxide. *RSC Adv*, Vol. 4: PP. 3722-3731, (2014).
 - D. Abd El-Hady, K. Ahmed Youssef, Adsorptive and affinity linear sweep voltammetry for the determination of singulair in tablet and its interaction with human serum albumin. *Journal of Analytical Chemistry*, Vol.69 (7): PP. 666-673, (2014).
 - F. M. Ahmed El-Mahdy, Qinchang Zhu, Zhiqiang Yu, Tsutoma Kabashima, Sheng Yin, Shpend Dragusha, Valon Ejupi, Takayuki shibata, Musaaki Kia, Fluorometric assay for phenotypic differentiation of drug-resistant HIV mutants. *Scientific Reports*, Vol. 5: PP.1-9, (2014).

- G. A-W. Ahmed and R. Z. Melad, Kinetics and Mechanism of Oxidation of 4-hydroxycoumarin by Alkaline Potassium ferricyanide. (Accepted for publication (13 th Ibn Sina Conference, Hurghada, Egypt, Feb 2014), (2014).
- H. Nasser Abdelhamid, Hui-Fen Wu, Furoic and mefenamic acids as new matrices for matrix assisted laser desorption/ionization-(MALDI)-mass spectrometry. *Talanta*, Vol. 115: PP. 442–450, (2014).
- H. Nasser Abdelhamid, Hui-Fen Wu, Polymer dots for quantifying the total hydrophobic pathogenic lysates in a single drop. *Colloids and Surfaces B: Biointerfaces*, Vol. 115:PP. 51–60, (2014).
- H. Nasser Abdelhamid, Hui-Fen Wu, Ultrasensitive, Rapid, and Selective Detection of Mercury Using Graphene Assisted Laser Desorption/Ionization Mass Spectrometry. *Journal of The American Society for Mass Spectrometry*, Vol. 25:PP. 861-868, (2014) .
- H. Nasser Abdelhamid, L. Mukesh Bhaisare, Hui-Fen Wu, Ceria nanocubic-ultrasonication assisted dispersive liquid–liquid microextraction coupled with matrix assisted laser desorption/ionization mass spectrometry for pathogenic bacteria analysis. *Talanta*, Vol. 120: PP. 208–217, (2014).
- H. Nasser Abdelhamid, M Shahnawaz Khan, Hui-Fen Wu, Design, characterization and applications of new ionic liquid matrices for multifunctional analysis of biomolecules: A novel strategy for pathogenic bacteria biosensing. *Analytica Chimica Acta*, Vol. 823: PP. 51–60, (2014).
- H. Nasser Abdelhamid, M. Shahnawaz Khan, Hui-Fen Wu, Graphene oxide as a nanocarrier for gramicidin (GOGD) for high antibacterial performance. *RSC advances*, Vol. 4(91): PP. 50035-50046, (2014).
- I. Kamal Aly & M. Marwa Sayed, Liquid crystalline polymers XIV. Main chain thermotropic copoly (arylidene-ether)s based on 4-methyl-cyclohexanone and 4-tertiary-butyl-

- cyclohexanone moieties linked with polymethylene spacers. *Liquid Crystals*, Vol. 41(1): PP.67-81, (2014).
- J. Ho Lee, A. Waleed El-Said, Byung-Keun Oh and Jeong-Woo Choi, Enzyme-free glucose sensor based on Au nanobouquet fabricated indium tin oxide electrode. *J. Nanosci. Nanotechnol.* Vol. 14: PP. 8432-8438, (2014).
- J. T. Mague, S. K. Mohamed, M. Akkurt, I. Talaat El-Emary, Crystal structure of ethyl (2Z)-2-cyano-3-[(3-methyl-1-phenyl-1H-pyrazol-5-yl) amino] prop-2-enoate. *Acta Crystallographica Section E: Structure Reports*, Vol. 70: PP. 1214–1215, (2014).
- J. T. Mague, S. K. Mohamed, M. Akkurt, I. Talaat El-Emary, Crystal structure of (E)-N-{[3-methyl-1-phenyl-5-(1H-pyrrol-1-yl)-1H-pyrazol-4-yl] methylidene} hydroxylamine. *Acta Crystallographica Section E: Structure Reports*, Vol. 71: PP. 75-76, (2014).
- J. T. Mague, S. K. Mohamed, M. Akkurt, I. Talaat El-Emary, Crystal structure of 5-(4, 5-dihydro-1H-imidazol-2-yl)-3-methyl-1-phenyl-1H-pyrazolo [3,4-b] pyrazin-6-amine. *Structure Reports*, Vol.70: PP. 1212–1213, (2014).
- J. T. Mague, S. K. Mohamed, M. Akkurt, I. Talaat El-Emary, M. R. Albayati, Crystal structure of 3-methyl-1-phenyl-5-(1H-pyrrol-1-yl)-1H-pyrazole-4-carbaldehyde. *Acta Crystallographica Section E: Structure Reports Online*, Vol. 70(10): PP. 1131-1132, (2014).
- K. I. Aly, and M. A. Hussein, New Polymer Syntheses Part: 55. Novel Conducting Polymers and Copolymers based on Methyl Cyclohexanone Moiety. *J. of Research update in Polymer Science*, (Submitted). Vol.3: PP. 97-107, (2014).
- K. Mohamed Salah Yossef, and O. Ahmed Abdo Abeed, Synthesis chracterization and pharmacological activities of pyrimidine derivatives containing 2-pyrazoline-5-one. *International journal of pharmaceutical sciences and research*, Vol. 5 (5): PP.1-17, (2014).

- K. Shaaban Mohamed, T. Joel Mague, Mehmet Akkurt, M. Abdel-Aal Gaber and R. Mustafa Albayati, 4-Chloro- N'-[(3Z)-2-oxo-2,3-dihydro-1H-indol-3-ylidene] benzohydrazide. *Acta Cryst. E*70, 47: PP. 1-6, (2014).
- M. Abd El-Aal Gaber, A. Saleh Ahmed, S. Khalid Khairou, A. Layla Taib, Photolysis of Some N-Arylbenzamidoximes in Acetonitrile. *J. Chin.Chem. Soc.* Vol. 61(10): PP. 1147-1153, (2014).
- M. Alaa Abd-Elnaiem, A. M. Mebed, A. Waleed El-Said, M. A. Abdel-Rahim, Porous and mesh alumina formed by anodization of high purity aluminum films at low anodizing voltage. *Thin Solid Films*, Vol. 570:PP. 49-56, (2014).
- M. Ali Hussein Abdo, Hussein El-Kashef, and Elisabet Duñach, Bastien Cacciuttolo, Sophie Poulain-Martini, Fabien Fontaine-Vive Eur, Access to Polycyclic Derivatives by Triflate-Catalyzed Intramolecular Hydroarylation. *European Journal of Organic Chemistry*, Vol. 2014 (33), 7458–7468, (2014).
- M. Aly, M. S. Al-Faheh, M. A. Ghandour, Nanosized metal 1,3-di(pyridyl) propene coordination polymers prepared via the surface layer-by-layer chemical decomposition method. *Nano Science and Nano Technology: An Indian Journal*, Vol. 8: PP. 265-273, (2014).
- M. Aly, M. S. Al-Fakeh, M. A. Ghandour, B. A. Abu-Zied, Possible sonochemical synthesis of nanosized particles mixed ligand metal coordination polymers derived from 1,3-di(4-pyridyl)propane and benzimidazole. *Advances in Research*, Vol. 2:PP. 807-816, (2014).
- M. Aly, M. S. Al-Fakeh, M. A. Ghandour, B. M. Abu-Zied, Mixed ligand coordination polymers of manganese(II), cobalt(II), copper(II), cadmium(II) and mercury(II) containing 1,3-di(4-pyridyl)propane and imidazole. *Assiut Uni. J. Chem.*, Vol. 43:PP. 13-23 (2014).

- M. Eman Mostafa and M. Saad Abbady, Secondary Metabolites and Bioactivity of the *Monascus* Pigments. Review Article. Global Journal of Biotechnology & Biochemistry, Vol. 9(1): PP. 01-13, (2014).
- M. Essam Hussein and S. Khalid Khairou, Sonochemistry: Synthesis of bioactive heterocycles. Synthetic Communications, Vol. 44:PP. 2155–2191. (2014).
- M. Fiorillo, Anna Caruso, Anna Rita Cappello, Carmela Saturnino, Francesco Puoci, Antonella Panno, Vincenza Dolce, Hussein El-Kashef, Maria Stefania Sinicropi, Enhanced cellular uptake by ,pharmaceutically oriented devices, of new simplified analogs of Linezolid with antimicrobial activity OrtensiallariaParisi, International Journal of Pharmaceutics, Vol. 461: PP. 163– 170, (2014).
- M. Kamal Mohamed, E. Abdalla Mahmoud, M. Ibrahim Sayed, Y. Temerk Mohamed, Electrochemical studies of ascorbic, dopamine and uric acid at DL-norvaline deposited glassy carbon electrode. Can. J. Chem. Vol. 92:PP. 329-336, (2014).
- M. M. Asmaa Mawad, M. H. Naeima Yousef, A. M. Ahmed Shoreit, Bioremediation of Acid blue 25 dye by anthracene degrading *Pseudomonas pseudoalcaligenes* ASU-016. CATRINA, Vol. 10(1): PP. 53 -60, (2014).
- M. Refat Hassan, A. Fahd Tirkistani, A. Ishaq Zaafarany, H. Basim Asghar, D. Hideo Takagi, Oxidation of Some Anionic Polyelectrolytes. Kinetics and Mechanisms of Oxidation of Carboxymethyl Cellulose Polysaccharide by Cerium (IV) in Aqueous Perchlorate Solutions. Current Advan. Chem. Res, Vol. 1: PP. 15-24, (2014).
- M. Refat Hassan, A. Ishaq Zaafarany, A. Fahd Tirkistani, Ahmed Fawzy, D. Hideo Takagi, Kinetics and Mechanistic Approach into Electron-Transfer of Permanganate Oxidation of Silver (I) in Aqueous Perchlorate Solutions. Res. Appli. Inorg. Chem., Vol. 1: PP. 1-10, (2014).

- M. Refat Hassan, A. Ishaq Zaaferany, A. Fahd Tirkistani, H. Basim Ashgar, D. Hideo Takagi, Physicochemical Studies on Some Coordination Biopolymeric Thorium (IV)-Complexes: Kinetics and Mechanism of Non-Isothermal Decomposition of Cross-Linked Thorium (IV)-Alginate Complex with Correlation between Coordination Geometry and Thermal Stability. *Current Advan. Chem. Res.*, Vol.1: PP. 7-14, (2014).
- M. Remon Zaki, El-Ossaily, and A. Saoud Metwally, Investigation and Synthesis of Some Novel spiro heterocycles related to indoline moiety. *Lasser A. Journal of Scientific Research*. Vol. 6(2): PP. 293-307, (2014).
- M. Remon Zaki, M. Adel Kamal El-Dean, M. Shaban Radwan, Synthesis And Reactions Of Some New Morpholinylpyrrolyl Tetrahydrothieno [2,3-C] Isoquinoline. *Journal of Advances in Chemistry*, Vol. 10(3): PP. 2512-2523, (2014)
- M. S. Abbady and M. S. K. Youssef, Synthesis and Biological Activity of Some New Pyridines, Pyrans and Indazoles containing Pyrazolone Moiety. *Med. Chem. Res.*, Vol. 23(7): PP. 3558-3568, (2014).
- M. S. Al-Fakeh, A. M. Aref Aly and A. Mahmoud Ghandour, Synthesis and characterization of Zn(II) and the environmentally important Cd(II) and Pb(II) coordination polymers derived from Terephthalic Acid and bipyridyl ligands. *Inorganic chemistry (Indian Journal)*, Vol. 9(1): PP. 30-36 (2014).
- M. S. Ibrahim, H. S. M. Ibrahim, M. M. Kamal and Y. M. Temerk, Electrochemical Comparison of the Interaction of 5-Nitrouracil with Single- or Double-Stranded DNA at mercury and glassy carbon electrodes. *APJES II-I*: 1-8 (2014).
- M. S. K. Youssef and A. A. O. Abeed, Synthesis, Anti-inflammatory, Analgesic and Antimicrobial Activities of Some New Thiazolotriazolo- and

- Thiazolotetrazolopyrimidopyrimidines. *Int. J. Pharm. Sci. Res.*, Vol. 5(5): PP. 1-17, (2014).
- M. S. K. Youssef, A. A. O. Abeed, Synthesis and antimicrobial activity of some novel 2-thienyl substituted heterocycles. *Heterocyclic Communications*, Vol. 20(1): PP. 25-31, (2014)
- M. S. Magda Saleh, K. Ahmed Youssef, A. Doaa Abdel-Kader and E. Y. Hashem, A novel spectrophotometric method for determination of gabapentin in pharmaceutical formulations using 2, 5- dihydroxybenzaldehyde. *Computational Chemistry*, Vol. 2(2): PP. 22-30, (2014).
- M. Th. Makhlouf, B. M. Abu-Zied, T. H. Mansoure, Effect of fueloxidizer ratio and the calcination temperature on the preparation of microporous-nanostructured tricobalt tetraoxide. *Advanced Powder Technology*, Vol. 25: PP. 560–566, (2014).
- N. Abo El-Maali, Alaa Nemr, Mohamed Abd El-Wahab, Ahmed Moharam, Preparation and characterization of thermally reduced graphene nanosheetssilver nanoparticles composite: Part I biomedical applications. *Assiut University Journal of Chemistry)AUJC)* Vol. 43: PP. 1-12, (2014).
- N. Abo El-Maali, A. N. mr, M. A. El-Wahab, A. Moharam, Preparation and characterization of thermally reduced graphene nanosheets-silver nanoparticles composite: Part I biomedical applications. *Assiut university journal of Chemistry*, Vol. 43: PP. 1-12, (2014).
- O. Abeed and M. S. K. Youssef, Synthesis characterization and pharmacological activities of pyrimidine derivatives containing 2- pyrazoline-5-one. *International Journal of Pharmaceutical Sciences and Research*, Vol. 5: PP. 1705-1720, (2014).
- R. M. Hassan, Base-Catalyzed Oxidation of Some Anionic Polyelectrolytes: Kinetics and Mechanistic Aspects to Electron-Transfer Process into Hexacyanoferrate(III)

- Oxidation of Alginate Polysaccharide in Alkaline Media. *Journal of Molecular Catalysis A: Chemical*, Vol. 386: PP. 28-34, (2014).
- R. M. Mahfouz, G. A.W. Ahmed and M. R. Alshammari, Application of the model-free approach to the study of non-isothermal decomposition of un-irradiated and γ -irradiated hydrated gadolinium acetylacetonate. *Radiation Effects & Defects in Solids*, Vol. 169(6):PP. 490-498, (2014).
- R. M. Media Hassana, I. A. Zaaferanyb, A. A. Gobouric, Base-catalyzed oxidation of some anionic polyelectrolytes: Kinetic and mechanistic aspects to electron-transfer process into hexacyanoferrate(III) oxidation of alginate polysaccharide in alkaline. *Journal of Molecular Catalysis A: Chemical*, Vol. 386: PP. 28–34. (2014).
- S. Amal Yanni, Synthesis of some new bistriazolidine derivatives and their biological activity. *Russian Journal of Bioorganic Chemistry*, Vol.40 (3): PP. 350-351, (2014).
- S. Elham Aazam, A. Waleed El-Said, Synthesis of New Schiff-base Metals Complexes, Copper/Nickel Nanoparticles and their Cytotoxicity/Catalytic Activities. *Bioorganic Chemistry Journal*, Vol. 57: PP. 5–12, (2014).
- S. Mohamed Abbady, Synthesis and antimicrobial activity of novel 1,2,4-triazoles, [1,2,4] triazolo [3,4- b][1,3,4] thiadiazoles and [1,2,4]triazolo[3,4- b] [1,3,4] thiadiazines. *Journal of Advances in Chemistry*, Vol. 10(9): PP. 3176-3185, (2014).
- S. Y. El-Sanat, A. Abo-Elwafa, A. A. M. Aly, M. M. El-Tabakh, I. Abdel-Ghany, Assessment of the developed formula for determining true sucrose in sugar beet under Egyptian conditions. *Egyptian Sugar J.*, 7,1, (2014).
- T. Al- Rashidi, G. A-W. Ahmed, N. Abo El-Maali, M. R. Siddiqui and R. M. Mahfouz, Effect of surfactant and γ -irradiation on the preparation of ZnO nanoparticles by

- thermal decomposition of anhydrous zinc acetate. *AUJC*, Vol. 43(2): PP. 24-32, (2014).
- T. Joel Mague, K. Shaaban Mohamed, Mehmet Akkurt, I. Talaat El-Emary and R. Mustafa Albayati, Crystal structure of ethyl (2Z)-2-cyano-3- [(3-methyl-1-phenyl-1H-pyrazol-5-yl)amino]prop-2-enoate. *Acta Cryst*, Vol. 70:PP. 1214–1225, (2014).
- T. Joel Mague, K. Shaaban Mohamed, Mehmet Akkurt, M. S. Hussein El-Kashef and R. Mustafa Albayati, Crystal structure of (E)-4- {[2-(2,4-dinitrophenyl)hydrazin-1-ylidene]methyl}-3-methyl-1-phenyl-5-(1H-pyrrol-1-yl)-1H-pyrazole. *Acta Cryst.* Vol. E70: PP. 1246–1247, (2014).
- T. Joel Mague, K. Shaaban Mohamed, Mehmet Akkurt, M. S. Hussein El-Kashef and R. Mustafa Albayati, Crystal structure of 2-[12-methyl-14-phenyl-10,13,14,16-tetraazatetracyclo-[7.7.0.02,7.011,15]hexadeca-1(16),2,4,-6,9,11(15),12-heptaen-8-ylidene]-propandinitrile. *Acta Cryst*, Vol. E70: PP. 1244–1245, (2014).
- T. Joel Mague, K. Shaaban Mohamed, Mehmet Akkurt, Talaat I. El-Emary and R. Mustafa Albayati, Crystal structure of 5-(4,5-dihydro-1Himidazol-2-yl)-3-methyl-1-phenyl-1Hpyrazolo[3,4-b]pyrazin-6-amine. *Acta Cryst.*, Vol. 70: PP. 1212–1213, (2014).
- T. Joel Mague, Mehmet Akkurt, K. Shaaban Moham, I. Talaat El-Emary and R. Mustafa Albayati, Crystal structure of (E)-N- {[3-methyl-1-phenyl-5-(1H-pyrrol-1-yl)-1H-pyrazol-4-yl]methylidene}hydroxylamine. *Acta Cryst.*, Vol. 70: PP. 1216–1227, (2014).
- T. Mabe, H. Yamaguchi, M. Fujiki, K. Noda, K. Ishihara, M. Inamo, R. M. Hassan, S. Iwatsuki, T. Suzuki and H. D. Takagi, Syntheses Crystal Structures and Ligand Field Properties of Iron(II) Complexes with PNP Ligands:Origin of Large Ligand Field by a Phosphorous Donor Atom.

- Journal of Solution Chemistry, Vol. 43: PP. 1574-1587, (2014).
- Y. A. El-Ossaily, R. M. Zaki, and S. A. Metwally, Investigation And Synthesis Of Some Novel Spiro Heterocycles Related to Indoline Moiety. Journal of Scientific Research Vol. 6 (2): PP. 293-307, (2014).
- Y. Temerk, Hossieny Ibrahim, Binding mode and thermodynamic studies on the interaction of the anticancer drug dacarbazine and dacarbazine-Cu(II) complex with single and double stranded DNA. Journal of Pharmaceutical and Biomedical Analysis, Vol. 95: PP. 26–33, (2014).
- Y. Y. Watanabe, K. Noda, S. Itoh, K. Ishihara, M. Inamo, R. M. Hassan and H. D. Takagi, Reduction Reaction of the Copper(II) Complex Bearing 1,3-Di(Pyridine-2-carboxaldimino)propane (pitn) by Decamethylferrocene in Acetonitrile. Journal of Solution Chemistry, Vol. 43: PP. 1479-1486, (2014).
- A. Abd El-Aziz Said, M. M. Mohamed Abd El-Wahab, A. M. Aref Aly, and Mohamed Abd El-Aal, New approach on the utilization of Egyptian natural clays as efficient and eco-friendly catalysts for production of ethyl and butyl acetates. International Conference on: World Economics for Sugar Industry Towards Food and Energy in a Changed Economic Environment, (2015).
- A. Abdel Rahman Dahy, and Nobuaki Koga, Trimerization of Alkynes in the Presence of Hydrotris(pyrazolyl)borate Catalyst and the Effects of the Substituted Groups on the Reaction Mechanism. A Computational Study, Organometallics, Vol. 34: PP. 4965-4974, (2015).
- A. Abdel-Hafez, Abdel-Rahman Ali Hassan, Mohamed Al-Awadi and Hussein El-Kashef, Synthesis of some new Benzofuro [3,2-d]pyrimidines of biological importance. 1st International Conference on Multidisciplinary Research,

28-30 October 2015, Porto Sokhna Resort, Ain Sokhna – Egypt. , 10, (2015).

- A. Abdel-Reheem Saddik, M. Khairy Hassan, A. M. Kamal El-Dean, M. S. Abbady, Synthesis of New Mercaptopyrimidines and Thienopyrimidines. Eur. Chem. Bull. Vol. 4(9): PP. 436-441 (2015).
- A. Abdel-Reheem Saddik, M. Khairy Hassan, A. M. Kamal El-Dean, M. S. Abbady, Synthesis of novel thieno pyrimidine derivatives. Presented at 13th Ibn Sina International Conference on Pure and Applied Chemistry, held in Hurgada, Egypt, 14-17 February 2015, (2015).
- A. Abo Markeb, Nagwa Abo El-Maali, Douaa Mohamed Sayed, Amany Osama, Mohamed A.Y. Abdel-Malek, Amen H. Zaki, Mostafa E Abd Elwanis, James J. Driscoll, Paclitaxel-loaded alginate nanoparticles for breast cancer treatment: preparation, characterization and anti-tumoral activity. Submitted for publication (2015).
- A. Aboel-Magd Abdel-Wahab, Application of Chromatographic and Spectrometric Analysis in Sugar Industry. Training Workshop on Utilization of By-Products and Waste Materials in The Sugar Industry, Sugar Technology Research Institute, Assiut University, Assiut, Egypt, May. 2-4, (2015).
- A. Aboel-Magd Abdel-Wahab, Chemical Industries Based on Carbon Dioxide, the Molasses Fermentation By- product. International Conference on World Economics for Sugar Industry Toward Food and Energy in a Changed Economic Environment, Sugar Technology Research Institute, Assiut University, Aswan, Egypt, Nov. 7-10, (2015)
- A. Aboel-Magd Abdel-Wahab, Chemical Industries Based on Sugarcane Industry, Production of Salicylic Acid. Training Workshop on Utilization of By-Products and Waste Materials in The Sugar Industry, Sugar Technology Research Institute, Assiut University, Assiut, Egypt, May 2-4, 2015. (2015).

- A. Abu El-Fadl and A. M. Nashaat, Crystalization, Spectroscopic and Optical Investigation of Potassium Hydrogenselenate (KHSeO₄) Single Crystals. International Journal of Engineering Research & Technology (IJERT), Vol. 4(7):PP. 668-674, (2015).
- A. Abu El-Fadl and A. M. Nashaat, Optical Constants of KDPTGS Single Crystals. International Journal of Enhanced Research in Science Technology & Engineering, Vol. 4(6):PP. 86-98, (2015).
- A. Abu El-Fadl and A.M. Nashaat, Gamma-ray irradiation effects on the optical properties of KHSeO₄ single crystals. Radiation Effects & Defects in Solids, Vol. 170 (11): PP. 863–875, (2015).
- A. Abu El-Fadl, M. Almokhtar, A. M. Nashaat, Optical Characterization of (TMA)₂ZnCl₄ Single Crystals in the Normal Phase. Open Journal of Applied Sciences, Vol. 5: PP. 169-181, (2015).
- A. Ahmad Shoreit, A. Mady Ismail, M. Ahmad Moharram and H. Mohammad Abdullah, Calotropis procera, Asclepiadaceae, Cardenolides, Cytotoxicity Antimicrobial activity Biogenic silver nanoparticles of resistant Aspergillus flavus AUMC 9834 against some pathogenic microorganisms and its synergistic effect with antibiotic fluconazole. Journal of Basic & Applied Mycology accepted (2015).
- A. Elham Al-Taifi, S. Mohamed Abbady and A. Etify Bakhite, Synthesis and Characterization of New Heterocyclic Compounds Containing Thienylbenzo[h] Quinoline Moiety. J. Heterocyclic Chem., (2015).
- A. El-Shahawy, Anti-Cancer Effect of Ibuprofen Drug in the Human Digestive System. et al., Multidisciplinary Conference, 28-31 Oct. 2015, Egypt (2015).
- A. El-Shahawy, Paracetamol Drug and its Carcinogenic Effect. ICAC 2015 Conference Nov 18-19, Jeddah, KSA, (2015).

- A. H. Mona El-Baz, E. M. Sahar El-Deek, Y. Ahmed Nsar, Nagwa Abo El-Maali, F. Faten AbdelHafez, F. Ahmed Amin, Prenatal Pesticide Exposure: Meconium as a Biomarker and Impact on Fetal Weight. Journal of Environmental & Analytical Toxicology, Vol. 5(3): PP. 1-6, (2015).
- A. Hesham, H. Nadia Mohamed, A. Mady Ismail, and A. M. Ahmed Shoreit, Degradation of Natural Rubber Latex by New Streptomyces labedae Strain ASU_03 Isolated from Egyptian Soil1Microbiology, Degradation of natural rubber by new Streptomyces labedae Vol. 5: P.1-13, (2015).
- A. K. Hassan Abd El-Aal and A. Ali Khalaf, Friedel-Crafts Chemistry. Part46. Unprecedented construction of tricyclic pyrazolo [3,4-b]quinolines, -[1,8] naphthyridines, -azepines, -azocines, -pyrido [3,2-g] azocines and pyrazolo [3,4-b] azonines via Friedel-Crafts ring closures. accepted for publication, Australian Journal of Chemistry (2015).
- A. K. Hassan Abd El-Aal, A. Ali Khalaf and M. A. Ahmed El-Khawaga, Friedel–Crafts Chemistry. Part 43. A Convergent Construction of Some New Bridged Aza-Bicyclic Analogues of Azocine, Azonine, and Azecine via Friedel–Crafts Ring Closures. Aust. J. Chem.,Vol. 68: PP. 404-415, (2015).
- A. K. Hassan Abd El-Aal, A. Ali Khalaf, Friedel-Crafts Chemistry. Part 44. Unprecedented synthesis of pyrazolo [3,4-b]quinolines, pyrazolo [3,4-b] [1,8] naphthyridines, pyrazolo [3,4-b] azepines, pyrazolo [3,4-b] azocines, pyrazolo [3,4-b] pyrido [3,2-g] azocines and benzo [g] pyrazolo [3,4-b] azonines scaffolds via ring closure reactions. ¹³th Ibn Sina International Conference on Pure and Applied Heterocyclic Chemistry, 14-17 February, Hurghada, Egypt (2015).
- A. K. Hassan Abd El-Aal, Friedel-Crafts chemistry, Part 45: Expedient new improved process for the synthesis of

- oxacarbazepine precursor 10,11-dihydro-10-oxo-5H-dibenz [b,f] azepine via Friedel-Crafts cycliacylations. *Arkivoc*, Vol. 230-241, (2015).
- A. K. Hassan Abd El-Aal, Friedel-Crafts Chemistry. Part47. A Convergent Construction of Benzo-, Pyrido- and Quinolino-fused Thiazocinoquinolines and Thiazoninoquinolines via Friedel-Crafts Cycliacylations. The Second International Conference on New Horizons in Basic and Applied Science, 1 – 6 August 2015, Hurghada Egypt. (2015).
- A. M. Ahmed Shoreit, A. Mady Ismail, H. Nadia Mohamed, Antimicrobial and antimolluscal activities and assessment of the active constituents of plant latices and their sera. *International Journal of General Chemistry– IJGC* Vol. 1(1): PP. 19-24, (2015).
- A. M. Aref Aly, A. Abd El-Aziz Said, M. Mohamed Abd El-Wahab, Ali Abd El-Hafez, Mohamed Abd El-Aal, Application of economically acid modified sugarcane bagasse for removal of dyes from effluents of industrial wastewaters. International Conference on: World Economics for Sugar Industry Towards Food and Energy in a Changed Economic Environment, Isis Pyramisa Hotel, Aswan, Egypt, (2015).
- A. M. Khallil, I. M. Daghman, and F. A. Abdel-Jallel, Antifungal Potential in Crude Extracts of Five Selected Brown Seaweeds Collected From the Western Libya Coast. *J. of Microscopic Creatures*, Vol. 1(1): PP. 103 – 111, (2015).
- A. Mawad, Naeima Yousef, Ahmed Shoreit, Robust *Aspergillus terreus* Biofilm supported on graphene oxide/ Hematite-nanocomposites for adsorption of anthraquinone dye Desalination and Water Treatment Accepted 31.12 *Aspergillus terreus* Biofilm., (2015).
- A. S. A. Zidan, A. A. M. Aly, G. H. H. Ibrahim, Coordination properties and thermal studies of metal coordination

- polymers derived from 1,4-benzenedicarboxylate, imidazole or benzimidazole. *Assiut Uni. J. Chem.*, 44, (2015).
- A. Saud Al-Resheedi, Norah Saad Alhokbany, R. M. Mahfouz, Radiation Induced Synthesis of In₂O₃ Nanoparticles- Part II: Synthesis of In₂O₃ Nanoparticles by Thermal Decomposition of Un-irradiated and -irradiated Indium Acetylacetonate. *Materials research*, Vol. 18(5): PP. 931-938. (2015).
 - A. Waleed El-Said, U. Seung Kim and Jeong-Woo Choi, Monitoring in vitro neural stem cell differentiation based on surface-enhanced Raman spectroscopy using a gold nanostar array. *J. Mater. Chem. C*, Vol. 3: PP. 3848-3859, (2015).
 - A. Yasser El-Ossaily, M. Remon Zaki, A. Ahmed Geies, Synthesis and Reactions of some Novel Selenolopyrazole compounds. 13th Ibn Sina International Conference on Pure and Applied Heterocyclic Chemistry. Hurgada. Feb (2015).
 - A. Abd El-Aziz Said, M. M. Mohamed Abd El-Wahab, Alian M. Alian, Selective Oxidation of Methanol to Formaldehyde Over Active Molybdenum Oxide Supported on Hydroxyapatite Catalysts. *Catalysis Letters*, Vol. 146(1): PP 82-90, (2015).
 - B. M. Abu-Zied, S. A. Soliman, S. E. Abdellah, Enhanced direct N₂O Decomposition over Cu_xCo_{1-x}Co₂O₄ (0.0 ≤ x ≤ 1.0) spinel oxide Catalysts, *Journal of Industrial and Engineering Chemistry*, Vol. 21: PP. 814-821, (2015).
 - C. Saturnino, Anna Caruso, Pasquale Longo, Anna Capasso, Attilio Pingitore, Maria Cristina Caroleo, Erika Cione, Mariarita Perri, Francesco Nicolò, Viviana Mollica Nard, Luigi Monsù Scolaro, Maria Stefania Sinicropi, Maria Rosaria Plutino and Hussein El-Kashef, Crystallographic Study and Biological Evaluation of 1,4-dimethyl-N-alkyl-

- carbazoles. *Current Topics in Medicinal Chemistry*, Vol. 15: PP. 973-979, (2015).
- E. Abdu Abdel-Rahman, A. Eman Thabet, A. Elham Al-Taifi and A. Etify Bakhite, Synthesis of New Pyrazolo[3,4-b]pyridines and Related Fused Tricyclic Systems with Possible Biological Activities. *Assiut University J. of Chemistry (AUJC)*, Vol. 44(1): PP. 1-12, (2015).
- E. Mohamed Khalif, H. Shams Abdel-Hafez, A. Adel Gobouri, and I. Mohamed Kobeasy, Synthesis And Biological Activity Of Novel Arylazothiazole Disperse Dyes Containing Selenium For Dyeing Polyester Fibers. *Phosphorus, Sulfur, and Silicon*, Vol. 190: PP. 461–476, (2015).
- F. M. Ahmed El-Mahdy, Takayuki Shibata, Tsutomu Kabashima, Qinchang Zhu and Masaaki Ka, Delivery of siRNA using siRNA/cationic vector complexes encapsulated in dendrimer-like polymeric DNAs. *RSC Advances*, Vol. 5: PP. 32775–32785, (2015).
- F. M. Ahmed El-Mahdy, Valon Ejupi, Takayuki Shibata, Tsutomu Kabashima, Jianzhong Lu, Masaaki Kai, Facile preparation of streptavidin-coated sephadex bead and their application to the chemiluminescence detection of a target DNA. *Microchimica Acta*, Vol. 182:PP. 495-503, (2015).
- G. Abdel-Wahab Ahmed, Remon Melad Zaki, Kinetics and Mechanism of Oxidation of 4-hydroxycoumarin by Alkaline Potassium ferricyanide. 13th Ibn Sina International Conference on Pure and Applied Heterocyclic Chemistry. Hurgada, Feb (2015).
- H. Ahmed Osman and A. W. Gamal Ahmed, Photochemical Oxidation of an Azo Dye in Aqueous Solutions by UV/H₂O₂ Process. *AUJC*, Vol. 44 (2): PP. 99-105, (2015).
- H. Alaa El-Din Sayed, M. Remon Zaki, M. Adel Kamal El-Dean, Y. Abdullah Abdulrazzaq, The biological activity of new thieno[2,3-c]pyrazole compounds as anti-oxidants against toxicity of 4-nonylphenol in *Clarias*

- gariepinus. Toxicology Reports, Vol. 2: PP. 1445-1453, (2015).
- H. Ibrahim, Yassien Temerk, Novel sensor for sensitive electrochemical determination of luteolin based on In₂O₃ nanoparticles modified glassy carbon paste electrode. Sensors and Actuators B: Chemical, Vol. 206: PP. 744–752, (2015).
- H. Nadia Mohamed, Miaomiao Liu, M. Wael Abdel-Mageed, H. Lamya Alwahibi huanqin Dai, Mady Ahmed Ismail, Gamal Badr, J. Ronald Quinn, Xueting Liu Lixin Zhang Ahmed A. M. Shoreit, Cytotoxic cardenolides from the latex of *Calotropis procera*. Bioorganic & Medicinal Chemistry Letters, Vol. 25: PP. 4615–4620, (2015).
- I. Awad Said, I. Nikolai Georgiv, B. Vladimir Bojinov, Sensor Activity and Logic Behavior of Dihydroxyphenyl Hydrazone Derivative as A Chemosensor for Cu⁴ Determination in Alkaline Aqueous Solutions. Journal of Photochemistry and Photobiology A: Chemistry, Vol. 311: PP. 16-24, (2015).
- I. M. Daghaman, A. M. Khallil, and A. A. Fady, Potency of some marine macro-algal extracts against three Species of *Candida*. Al-Satil J., Misurata University, Libya. Vol. 12(2): PP. 43 -53, (2015).
- K. Ahmed Youssef, M. S. Magda Saleh, A. Doaa Abdel-Kader and E. Y. Hashem, Facile spectrophotometric determination of metronidazole and secnidazole in pharmaceutical preparations based on the formation of dyes. International Journal of Pharmaceutical Sciences and Research, Vol. 6 (1): PP. 1000-1008, (2015).
- K. Ahmed Youssef, S. Magda Saleh, A. Doo Abdel-Kader, E. Y. Hashem, Facil Spectrophotometric Determination of Metronidazole and Secnidazole in Pharmaceutical Preperations Based on the Formation of Dyes. International Jarmaceutical Science and Research (IJPSR), Vol. 6(1): PP. 103-110, (2015).

- K. I. Aly and M. A. Hussein, Synthesis Characterization and Corrosion Inhibitive Properties of New Thiazole Based Polyamides Containing Diarylidenecyclohexanone Moiety. Chinese Journal of Polymer Science Vol. 33(1): PP. 1–13, (2015).
- K. I. Aly, M. A. Hussein, New Polymer Syntheses Part: 58. Synthesis, Characterization and Corrosion Inhibitive Properties of New Thiazole Based Polyamides Containing Diarylidenecyclohexanone Moiety. Chinese J of Polymer Science,, Vol. 33(1): PP. 1-13, (2015).
- K. Mohamed El-Shaieb, A. Heba Mubarak Hatem, Abdel Moniem Ahmed, Ragaa Mohamed Abdel Maaboud, Fathy Fahim Abdul Latif, Adel Mohamed Kamal El-Dean, Clinical and experimental study of acute intoxication as a result of ingestion of stone hair dye containing paraphenylenediamine, ICFT 2015: International Conference on Food Technology, Dubai, UAE, (Apr 08-09, 2015). (2015).
- K. Shaaban Mohamed, T. Joel Mague, Mehmet Akkurt, I. Talaat El-Emary and R. Mustafa Albayati, Crystal structure of N-[(8E)-12-methyl-14-phenyl-10,13,14,16-tetraazatetracyclo [7.7.0.0.2,7.011,15] hexadeca-1(16),2,4,6,9,11(15),12-heptaen-8- ylidene] hydroxylamine 1,4-dioxane hemisolvate. Acta Cryst. Vol. E71:PP. 75–76, (2015).
- K. Waleed El-Zawawy, A. Ali Abdelhafez, Adel Abd EL-Hameed Ahmed and M. Ahmed Abdelmawgood, Application of hydrogels based on lignin grafting polyvinyl alcohol and polyacrylamide on adsorption of methyl orange from aqueous solution. International Conference on: World Economics for Sugar Industry Towards Food and Energy in a Changed Economic Environment, Isis Pyramisa Hotel, Aswan, Egypt (2015).
- M. A. Abbady, M. M. Aly, M. T. Ismail, Sh. H. Abdel-Hafez, Organic Selenium Compounds. Part II. Synthesis and

- Antibacterial Activity of Some New Symmetrical Diarylselenides Containing Thiazolyl, Thiazolidin-4-Onyl, Azetidin-2-Onyl, Triazolin-1-YL and Glycyl Moieties. Phosphorus, Sulfur, and Silicon and the Related Elements Vol. 190 (11): PP. 1828-1844, (2015).
- M. A. Ghandour, A. Hassan, H. M. Ali, Voltammetric determination of copper with proton pump inhibitor drug omeprazole. Journal of Analytical Chemistry, Vol. 70(3): PP. 392-397, (2015).
- M. A. Ismail, Nagwa Abo El-Maali, Ghada A. Omran, Nasser M. Nasser, Biodiversity of mycobiota in peanut seeds, corn and wheat grains with Special reference to their aflatoxigenic ability. Accepted for publication in the Journal of Microbiology, Biotechnology and Food Sciences, (2015).
- M. Abdullah Asiri, A. Mahmoud Hussein, M. Bahaa Abu-Zied, A. Abou-Elhagag Hermas, Enhanced Coating Properties of Ni-La-Ferrites/Epoxy Resin Nanocomposites. Polymer Composites Vol. 36(10): PP. 1875-1883, (2015).
- M. Adel Kamal El-Dean, Nermin A. Marzouk, Jehan A. Micky, Remon M. Zaki, Rasha H. Ahmed, A Facile Synthesis And Reactions Of Amino Selenolo[2,3-B] Pyridine Carboxylate. Journal of Advances in Chemistry, Vol. 12(1): PP. 3910-3918. (2015).
- M. Adel Kamal ElDean, M. Remon Zaki, Y. Abdullah Abdulrazzaq, A Convenient Synthesis And Biological Activity Of Novel Thieno [2,3c] Pyrazole Compounds As Antimicrobial And Antiinflammatory Agents. Russian Journal of Bioorganic Chemistry, Vol. 41(1): PP. 112-120, (2015).
- M. Akkurt, P. Jerry Jasinski, K. Shaaban Mohamed, I. Talaat El-Emary and R. Mustafa Albayatif, Crystal structure of 3-(9H-carbazol-9-yl)-N0-[(E)-4-chlorobenzylidene]propanohydrazide. Acta Cryst. Vol. E71: PP. 937-938, (2015).

- M. Akkurt, Jerry, P. Jasinski, Shaaban, K. Mohamed Talaat I. El-Emary, Mustafa R. Albayati, Crystal structure of 3-(9 H -carbazol-9-yl)- N '-(E)-4-chlorobenzylidene] propanohydrazide. *Acta Cryst.* Vol. E71: PP. 937–938, (2015).
- M. Aly, A. I. El-Said, R. Gabr, R. A. Mukred, New properties and characteristics of mixed ligand coordination polymers derived from transition metal ions, 1,2,4,5-benzenetetracarboxylate and aromatic Diamines. *American Chemical Science Journal*, Vol. 6(3): PP. 144-157, (2015),
- M. Aly, A. Y. El-Sayed, K. Abd El-Aal, Synthesis and characterization of Mn(II) and Cu(II) complexes comprising ketoazosulphapyrimidine. *Inorg. Chem. An Indian Journal*, 10, 20, (2015).
- M. Dina Fouad, A. Waleed El-Said and B. Mona Mohamed, Spectroscopic characterisation of magnetic Fe₃O₄-Au core shell nanoparticles. *Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy*, Vol. 140: PP. 392–397, (2015).
- M. Dina Fouad, A. Waleed El-Said, B. Mona Mohamed, Spectroscopic characterization of magnetic core shell nanoparticles. *Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy*, Vol. 140: PP. 392–397, (2015).
- M. Essam Hussein, Ammonium chloride-catalyzed four-component sonochemical synthesis of novel hexahydroquinolines bearing a sulfonamide moiety. *Russ. J. Org. Chem.*, Vol. 51(1): PP. 54–64, (2015).
- M. Essam Hussein, F. Hossa Al-Shareef, H. Amany Aboellil and A. Heba Elhady, Synthesis of some novel 6'-(4-chlorophenyl)-3,4'-bipyridine-3'-carbonitriles: assessment of their antimicrobial and cytotoxic activity. *Z. Naturforsch.*, Vol. 70(11): PP. 783–795, (2015).
- M. Essam Hussein, S. Ghada Masaret, and S. Khalid Khairou, Efficient synthesis and antimicrobial evaluation of some

- Mannich bases from 2-arylidine-1-thia-4-azaspiro [4.5] decan-3-ones. *Chem. Central J.*, Vol. 9:25: PP. 1-10, (2015).
- M. M. Asmaa Mawad, M. H. Naeima Yousef, A. M. Ahmed Shoreit, Application of Fungal Biofilm Supported on Activated Carbon for Adsorption of Two Azodyes: Adsorption Kinetics and Isotherms. *Advances in Bioscience and Bioengineering*, Vol. 3(2): PP. 11-19, (2015).
- M. M. Girgis, B. M. Abu-Zied and F. E. M. El-Darrat, The influence of the activation conditions on the textural characteristics of the activated carbons obtained from local peanut shells. *Assiut University Journal of Chemistry (AUJC)*, Vol. 44(2): PP.50-64, (2015).
- M. Mahfouz, Z. Demircioglu, M. S. Abbady, Büyükgüngör, Crystal structure of (Z)-4-[1-(4-acetylanilino) ethylidene]-3-methyl-1-phenyl-1H pyrazol-4(4H)-one. *Acta cryst.* Vol. E71: PP. 94-96, (2015).
- M. Mostafa Kamal, Y. Abd El-Aziz El-Sayed, M. Seddique Ahmed, A. Ahmed Omran, M. Mohamed Shahata, Pre-concentration of some heavy metal ions with AlO–HQ and AlO–PHQ and their studies by FTIR and spectroscopy. *Arabian Journal of Chemistry*, Vol. 8: PP. 442-449, (2015).
- M. Mostafa Kamala, Y. Abd El-Aziz El-Sayed, M. Seddique Ahmed, A. Ahmed Omran, M. Mohamed Shata, Preconcentration of some heavy metal ions with AlO-HQ and AlO-PHQ and their studies by FTIR and spectroscopy. *Arabian Journal of Chemistry*, Vol. 8(4): PP. 442-449, (2015).
- M. Refaat Mahfouz, Zeynep Demircioglu, S. Mohamed Abbady and Orhan Buyukgungor, Crystal structure of (Z)-4-(1-(4-acetylphenylamino) ethylidene) -3-methyl-1-phenyl-1H-pyrazol-5(4H)-one. *Acta Cryst.* Vol. E71: PP. 94-96, (2015).

- M. Remon Zaki, A. Gamal Ahmed, A. Fatma Taher, A. A. Gehan Micky, H. Rasah Ahmed, M. Adel Kamal El-Dean, Adsorption of Sugarcane baggase to Aryl Azothieno[2,3-b]pyridine dyes, International Conference on world economics for sugar industry towards food and energy in a changed economic environment. Aswan, Nov. (2015).
- M. Remon Zaki, M. Adel Kamal El-Dean and Y. Abdullah Abdulrazzaq, A New and Facile Synthesis of Novel Pyrazolothienopyrimidines and Imidazo- pyrazolothieno pyrimidines. J. Chin. Chem. Soc. Vol. 62: PP. 1121-1127. (2015).
- M. Remon Zaki, Y.A. El-Ossaily and A.A. Geies, A Convenient Synthesis, Reactions and Biological Studies of Some Novel selenolo[2,3-c]pyrazole Compounds. 13th Ibn Sina International Conference on Pure and Applied Heterocyclic Chemistry. Hurgada. Feb 2015, (2015).
- M. S. Ibrahim, Y. M. Temerk, H. S. M. Ibrahim and M. Kotb, Indium oxide nanoparticles modified carbon paste electrode for sensitive voltammetric determination of aromatase inhibitor formestane Sensors & Actuators: B. chemical, Vol. 209: PP. 630-638, (2015).
- M. S. Magda Saleh, E. Y. Hashem, K. Ahmed Youssef and A. Doaa Abdel-Kader, Uv-Visible Spectrophotometric Methods For Direct Determination Of Sulfasalazine Antibiotic Drug In Its Pharmaceutical Formulations. World Journal of Pharmacy and Pharmaceutical Sciences, Vol. 4(5): PP. 205-226, (2015).
- M. Seddique Ahmed, A. Adham El-Zomrawy, S. N. Ahmed Al-Kamal, A. S. Khaled Ghaleb, Ponceau 6R dye decoloration and chromate reduction simultaneously in acid medium. Arabian Journal of Chemistry, Vol. 8: PP. 500-506. (2015)
- M. Seddique Ahmed, A. Adham El-Zomrawy, S. N. Ahmed Al-Kamali, A. S. Khaled Ghaleb, Ponceau 6R dye decoloration and chromate reduction simultaneously in

- acid medium. *Arabian Journal of Chemistry* Vol. 8: PP. 500–505, (2015).
- N. Abo El-Maali, A. Mady Ismail, A. Ghada Omran, M. Naser Nasser, Optimization of HPLC with Fluorescence Detection for the assay of Aflatoxins from *Aspergillus*. Strains of Section Flavi Originated from Grains in Upper Egypt, Submitted for publication (2015).
- N. Abo El-Maali, A. Y. Wahman, Gas Chromatography-Mass Spectrometric Method for Simultaneous Separation and Determination of Several Pops with Health Hazards Effects. *Mod Chem Appl*, Vol. 3(4): PP. 1-10, (2015).
- Naeem Akhtar, A. Sherif El-Safty, M. D. Khairy, A. Waleed El-Said, Fabrication of a highly selective nonenzymatic amperometric sensor for hydrogen peroxide based on nickel foam/cytochrome c modified electrode. *Sensors and Actuators B: Chemical*, Vol. 207: PP. 158-166. (2015).
- O. Ahmed Abdou Abeed, Pyrazolin-5-One-Based Heterocycles: Synthesis and Characterization. *Journal of Heterocyclic Chemistry*, Vol. 52(4): PP. 1175-1184, (2015).
- R. M. Mahfouz, G. A-W. Ahmed, T. Al-Rashidi, Effect of Surfactant-Free Addition and -Irradiation on the Synthesis of CdO Quantum Dots by Thermal Decomposition of -Irradiated Anhydrous Cadmium Acetate, presented as oral presentation at advanced materials world congress(AMWC) ,23-26 Aug. 2015, Stockholm, Sweden , advanced materials letters (2015).
- S. A. Amna Zidan and Nagwa Abo.El-Maali, Spectral thermal and volumetric studies on metal (II) and metal (III) complexes of the antibiotic Cefazolin. *Assiut Univ.J.of Chemistry*, 44, 13, (2015).
- S. A. Amna Zidan, A. M. Aref Aly and H. H. Galal Ibrahim, Coordination properties and thermal studies of metal coordination polymers derived from 1,4-benzendicarboxylate,imidazole or benzimidazole *Assiut Univ.J.of Chemistry*, 9, (2015).

- S. Anwar El-Shahawy, A. Abdel Rahman Dahy, A-W. Gamal Ahmed and M. Samia Ibrahim, Normal coordinate analyses and spectroscopic studies of benzalbarbituric acid complexes. Assiut Univ. J. Chem. (AUJC), Vol. 44: PP. 65-78. (2015).
- S. El-Shahawy, A. A. Dahy, G. A. Ahmed, M. Samia Ibrahim, Normal coordinate Analyses and Spectroscopic studies of Benzalbarbituric Acid Complexes. aujc, Vol. 44: PP. 65-78, (2015).
- S. Magda Saleh, H. Ahmed Osman, M. Sanaa Mahmoud, Studies on complexation equilibria between copper(II) and some new Schiff bases derived from 3-hydrazino-6-methyl (1,2,4) triazine-5(4H)one. AUJC Vol. 44(2): PP. 79-90, (2015).
- S. Magda Saleh, E. Y. Hashem, K. Ahmed Yuossef, A. Doaa Abdel-Kader, UV- Visible Spectrophotometric Methods For Direct Determination of Sulfasalazine Antibiotic Drug in its Pharmaceutical Formulations. World Journal of Pharmacy and Pharmaceutical Science WJPPS, Vol. 4(5):PP. 205-226, (2015).
- Sh. Ahmed Abdelmohsen and Yasser Abou-bakr El-Ossaily, One-pot Synthesis of 5-[1- substituted 4-acetyl-5- methyl 1H-pyrrol-2-yl]-8- hydroxyquinolin using DABCO as green catalyst Heterocyclic Communication, Vol. 21(4): PP. 207-210, (2015).
- T. Angelone, Anna Caruso, Christophe Rochaisd, Angela Maria Caputo, Maria Carmela Cerraa, Patrick Dallemagned,, Elisabetta Filicea, David Genest, Teresa Pasqua, Francesco Puoci, Carmela Saturnino, Maria Stefania Sinicropib, and Hussein El-Kashef, Indenopyrazole Oxime Ethers: Synthesis and 1-Adrenergic Blocking Activity. Eur. J. Med. Chem. Vol. 92:PP. 672-681 (2015).
- T. Hyung Kim, Taek Lee, Waleed A. El-Said and Jeong-Woo Choi, Review Graphene-Based Materials for Stem Cell

- Applications. *Materials* , Vol. 8(12):PP. 8674–8690. (2015).
- T. Joel, K. Shaaban Mohamed, Mague Mehmet Akkurt, I. Talaat El-Emary and R. Mustafa Albayati, Crystal structure of N-[(8E)-12-methyl-14-phenyl-10,13,14,16-tetraazatetracyclo [7.7.0.0.2,7.011,15] hexadeca-1(16),2,4,6,9,11(15),12-hepten-8-ylidene]hydroxylamine 1,4-dioxane hemisolvate . *Acta Cryst.* Vol. E71: PP. 75–76, (2015).
- V. Ejupi, Shpend Dragusha, Tsutomu Kabashima, Qinchang Zhu, Ahmed F. M. El-Mahdy, Sheng Yin, Takayuki Shibata, Masaaki Kai, Spectrofluorometric Assays of Human Collagenase Activity Using Native Collagen and Acetyl-Peptide Substrates. *Advances in Enzyme Research*, Vol. 3: PP. 19-29. (2015).
- W. Ahmed El-Said, Tae-Hyung Kim, Yong-Ho Chung, Jeong-Woo Choi, Fabrication of new single cell chip to monitor intracellular and extracellular redox state based on spectroelectrochemical method. *Biomaterials*, Vol. 40: PP. 80–87, (2015).
- Y. M. Temerk, M. S. Ibrahim, H. Ibrahim, M. Kotb, Interactions of an anticancer drug Formestane with single and double stranded DNA at physiological conditions. *Journal of photochemistry and photobiology B*, Vol. 149: PP. 27-36, (2015).
- Y. M. Temerk, M. S. Ibrahim, H. S. M. Ibrahim and M. Kotb, Adsorption Stripping Voltammetric determination of anticancer drug lomustine in biological fluids using in situ mercury film coated graphite pencil electrode. *Journal of Electroanalytical Chemistry*, Vol. 760: PP. 135-142, (2015).
- Y. Temerk, Hossieny Ibrahim, Electrochemical studies and spectroscopic investigations on the interaction of an anticancer drug flutamide with DNA and its analytical

- applications. *Journal of Electroanalytical Chemistry*, Vol. 736: PP. 1–7, (2015).
- Y. Temerk, Hossieny Ibrahim, Electrochemical studies and spectroscopic investigations on the interaction of an anticancer drug flutamide with DNA and its analytical applications. *Journal of Electroanalytical Chemistry*, Vol. 736: PP. 1–7,(2015).
- A.S. A. Zidan, Aref A. M. Aly and Galal H. H. Ibrahim, Coordination properties and thermal studies of metal coordination polymers derived from 1,4-benzendicarboxylate,imidazole or benzimidazole , Assiut Univ.J.of Chemistry (AUJC), Vol. 44, PP. 27-36, (2015)
- A. S. A. Zidan and Nagwa Abo.El-Maali, Spectral,thermal and volumetric studies on metal(II)and metal(III) complexes of the antibiotic Cefazolin, Assiut Univ.J.of Chemistry (AUJC), Vol. 44, PP. 13-26, (2015)
- R. M. Hassan (El-Moushy) ,Oxidation Of Some Sulphated Macromolecules Using Various Oxidizing Agents: Focusing On The Nature Of Electrontransfer Process And Oxidation Mechanistics With Synthesis Of Coordination Biopolymer Oxidation Precursors As Novel Chelating Agents " *Chemistry Research*, pp. 70, 2016, "
- A. A. Dahya, Eida S. Al-Farragb, Nourah S. Al-Hokbanyb and Refaat M. Mahfouza , Synthesis, characterization and DFT calculations of a Re(V)-thiazolidine-2,4-dione complex, *Journal of Coordination Chemistry*, 2016
- A. A. Said ,Mohamed M. M. Abd El-Wahab,Soliman A. Soliman,Mohamed N. Goda ,Synthesis and characterization of mesoporous Fe–Co mixed oxide nanocatalysts for low temperature CO oxidation " *Process Safety and Environmental Protection* , Vol. 102, pp. 370-384, 6, 2016,
- A. A. Said, Mohamed M. M. Abd El-Wahab & Alian M. Alian ,Selective Oxidation of Methanol to Formaldehyde Over Active Molybdenum Oxide Supported on Hydroxyapatite Catalysts " *Catal Lett*, Vol.146, PP.82–90, 1, 2016,

- A. A. Said, Mohamed M. M. Abd El-Wahab, Mohamed Abd El-Aal ,Effect of ZrO₂ on the catalytic performance of nano c-Al₂O₃ in dehydration of methanol to dimethyl ether at relatively low temperature " Research on Chemical Intermediates, 42 (2), 1537-1556, 3, 2016,
- A. A. Said, Mohamed M.M. Abd El-Wahab, Mohamed N. Goda ,Synthesis and characterization of pure and (Ce, Zr, Ag) dopedmesoporous CuO-Fe₂O₃as highly efficient and stable nanocatalystsfor CO oxidation at low temperature " Applied Surface Science , Vol. 390, pp. 649–665, 8, 2016,
- A. Elkhateeb, Ashwag S. Alshehri, Gilbert Kirsch, Sh. H. Abdel-Hafez, Unexpected synthesis of three components from the reaction of 4-chloro-3-formylcoumarin with hydroxylamine hydrochloride " Oriental J. Chemistry, , 32 (1), 379-384, 2016,
- A. M. Kamal El-Dean, Shawkat A. Abdel-Mohsen,Yasser A. Elossaily and Istabrak I .Hussein, Synthesis and Anti-inflammatory Activity Of Some New Pyrazolo[3,4-d] Pyrimidines, Eur. Chem. Bull., 2016, 5(8), 348-353
- Ahmed F. M. EL-Mahdy, Hassan A. H. EL-Sherief ,An efficient and rapid intramolecular cyclization of a quadruple Mannich reaction for one-pot synthesis of pentaazaphenalenenes and their antimicrobial activities " RSC Adv., vol. 6, pp. 92134-92143, 2016,
- C. Gstrein, Baozhong Zhang, Mona Ahmed Abdel-Rahman,Oscar Bertran,Carlos Aleman, Gerhard Wegnerg and A. Dieter Schlutera ,Solvatochromism of dye-labeled dendronized polymers of generation numbers 1–4: comparison to dendrimers† " Chemical Science , Vol. 7, pp. 4644 - 4652, 4, 2016,
- E. A. Al-Taifi, Eman A. Thabet, Etify A. Bakhite and Talaat I. El-Emary ,Synthesis of some new pyridines, thienopyridines and pyridothienopyrimidines bearing 1,3-diphenyl-1H-pyrazole moiety " AshEse Journal of Physical Science, Vol. 2(1), 033-041, 1, 2016, ISSN 2059-7827

- H. Abdou Kotb Abd El-Aal and Ali Ali Khalaf ,Friedel–Crafts Chemistry. Part 46. Unprecedented Construction of Tricyclic Pyrazolo[3,4-b]quinolines, -[1,8]naphthyridines, -azepines, -azocines, -pyrido[3,2-g]azocines, and pyrazolo[3,4-b]azonines via Friedel–Crafts Ring Closures " Australian Journal of Chemistry, vol. 69, pp. 652–661 , 2016,
- H. Ibrahim , Yassien Temerk ,Sensitive electrochemical sensor for simultaneous determination of uric acid and xanthine in human biological fluids based on the nano-boron doped ceria modified glassy carbon paste electrode " Journal of Electroanalytical Chemistry , Vol.780, PP.176–186, 11, 2016,
- H. Ibrahim, Yassien Temerk ,A novel electrochemical sensor based on B doped CeO₂nanocubesmodified glassy carbon microspheres paste electrode for individualand simultaneous determination of xanthine and hypoxanthine " Sensors and Actuators B: Chemical, pp. 125–137, 2016,
- M. Ahmed Abdel-Rahman, Essam Mostafa Hussein & Mahmoud Ali Hussein, Synthesis and characterization of novel antiinflammatory poly(spiro thiazolidinone)s " Designed Monomers and Polymers , Vol. 19, pp. 650 - 660, 7, 2016,
- M. Farrag ,Enantioselective silver nanoclusters: Preparation, characterization and photoluminescence spectroscopy " Materials Chemistry and Physics, 180 , 349-356, 6, 2016,
- M. Farrag ,Microwave-assisted synthesis of ultra small bare gold clusters supported over Al₂O₃ and TiO₂ as catalysts in reduction of 4-nitrophenol to 4-aminophenol " Microporous and Mesoporous Materials , 232, 248-255, 6, 2016,
- M. Farrag ,Monodisperse and Polydisperse Platinum Nanoclusters Supported over TiO₂ Anatase as Catalysts for Catalytic Oxidation of Styrene " Journal of Molecular Catalysis A , 413, 67-76, 1, 2016,
- M. Farrag ,Preparation, characterization and photocatalytic activity of size selected platinum nanoclusters " Journal of Photochemistry and Photobiology A: Chemistry , 318, 42–50, 1, 2016,

- M. Farrag, Ramadan A. Mohamed ,Ecotoxicity of ~ 1 nm silver and palladium nanoclusters protected by L-glutathione on the microbial growth under light and dark conditions " Journal of Photochemistry and Photobiology A: Chemistry, 330 , 117–125, 8, 2016,
- M. S. Refat and Shams H. Abdel-Hafez ,Synthesis and spectroscopic studies on the new silver(I) complex of organoselenium compound " Russian J. General Chemistry, , 86(5), 1151–1153, 2016,
- R. M. Hassan (El-Moushy) ,Kinetic and Mechanistic Orientation to the Nature of Electron Transfer Process in Oxidation of Biodegradable Water-Soluble Polymers by Chromic Acid in Aqueous Perchlorate Solutions: A Linear Free-Energy Correlation " SUSTAINABLE POLYMERS , pp. 43, 2016,
- R. M. Mahfouz, Gamal A-W Ahmed1 and Tahani Al-Rashidi , Effect of surfactant-free addition and γ -irradiation on the synthesis of CdO quantum dots by thermal decomposition of γ -irradiated anhydrous cadmium acetate, Mahfouz et al., Cogent Chemistry (2016),
- R. M. Zaki • Yasser A. El-Ossaily • Ahmed A. Geies ,A convenient synthesis, reactions and biological studies of some novel selenolo[2,3-c]pyrazole compounds as antimicrobial and anti-inflammatory agents " MEDICINAL CHEMISTRY RESEARCH, Vol. 25 - No. 5, pp. 893 - 908, 2016,
- Sh. Abdel-Mohsen and Talaat El-Emary, A facile one-pot synthesis of novel 1-substituted 2-(8-hydroxyquinolin- 5-yl)-1,5,6,7-tetrahydro-6,6-dimethyl-4H-indol-4-one derivatives, ARKIVOC 2016 (iv) 184-192
- Sh. Ahmed Abdel-Mohsen, Talaat Ibrahim El-Emary, and Hussein Salama El-Kashef, Synthesis, Anti-inflammatory and Antibacterial Activities of Novel, Pyrazolo[4,3-g]pteridines, Chemical and Pharmaceutical. Bulltein. 64, 476–482 (2016)
- Sh. H. Abdel-Hafez, Ahmed Elkhateeb, Adel A. Gobouri, Islam H. El Azab, and Gilbert Kirsch ,An Efficient Route for Synthesis and

- Reactions of Seleno-[2, 3-c]coumarin. " Heterocycles, , 92(6), pp.1054-1062, 2016,
- Y. M. Temerk, Hossieny S. M. Ibrahim and Wolfgang Schuhmann ,Square wave cathodic adsorptive stripping voltammetric determination of the anticancer drugs flutamide and irinotecan in biological fluids using renewable pencil graphite electrodes " Electroanalysis, 2016,
- Y. Temerk , Hossieny Ibrahim ,Fabrication of a novel electrochemical sensor based on Zn–In 2O_3 nanorods coated glassy carbon microspheres paste electrode for square wave voltammetric determination of neuroprotective hibifolin in biological fluids and in the flowers of hibiscus vitif " Journal of Electroanalytical Chemistry, Vol.782, PP.9–18, 12, 2016,
- Y. Temerk, Hossieny Ibrahim ,A new sensor based on In doped CeO_2 nanoparticles modified glassy carbon paste electrode for sensitive determination of uric acid in biological fluids " Sensors and Actuators B: Chemical, 2016,
- Y. Temerk, Mohamed Ibrahim,Hossieny Ibrahim, Mohamed Kotb ,Adsorptive stripping voltammetric determination of anticancer drug lomustine in biological fluids using in situ mercury film coated graphite pencil electrode " Journal of Electroanalytical Chemistry, 2016,
- Y. Temerk, , Mohamed Ibrahim, Hossieny Ibrahim, Mohamed Kotb, Interactions of an anticancer drug lomustine with single and double stranded DNA at physiological conditions analyzed by electrochemical and spectroscopic methods, Journal of Electroanalytical Chemistry, 769 (2016) 62–71.
- Ahmed A Markeb, Nagwa A El-Maali, Douaa M Sayed, Amany Osama, Mohamed AY Abdel-Malek, Amen H Zaki, Mostafa EA Elwanis, James J Driscoll, paclitaxel-loaded alginate nanoparticle for breast cancer treatment, International Journal of Breast Cancer Volume 2016, Article ID 7549372, 8 pages

- Nasser Masood Nasser, Mady Ahmed Ismail, Nagwa Thabet Abo El-Maali, Ghada Ali Omran, J Microbiol Biotech Food Sci, Vol. 5(4), PP. 314-319, (2016)
- Nagwa Abo El-Maali, Mady A Ismail, Ghada A Omran, Nasser M Nasser, Optimization of HPLC with fluorescent detection for the assay of Aflatoxins from Aspergillus strains of section flavi originated from grains in upper Egypt, AU J Chem (AUJC), Vol. 45, PP. 135-145, (2016)
- Waleed A. El-Said, Kawthar Abd El-Hameed, Nagwa Abo El-Maali, Hayam G. Sayyed, Label-free Electrochemical Sensor for Ex-vivo Monitoring of Alzheimer's Disease Biomarker, Electroanalysis, Vol. 28, PP. 1-9, (2016)
- A. A. Saddik, Adel M. Kamal El-Dean, Gamal H. El-Sokary, b Khairy M. Hassan, Mohamed. Abbady, Ismail A. Ismailb and Saber H. Saberb, Synthesis and cytotoxicity of some thieno[2,3-d]pyrimidine derivatives J.Chin.Chem.Soc., 64, 87-93, 1, 2017,
- H. Sh. Mohamed¹ & AbdelRahman A. Dahy² & Galal S. Hassan¹ & Samir-Shehata M. Eid³ & Refaat M. Mahfouz² ,Quantum-chemical investigation on 5-fluorouracil anticancer drug, Struct Chem 2017
- M. Farrag, "Preparation, Chiroptical and Photoluminescence Studies of Size Selected Gold Nanoclusters", Journal of Nanotechnology & Advanced Materials, 5, 53-57 (2017).
- M. Farrag, Samia Ibrahim "Size Selected Gold Cluster Supported Alumina as Catalyst in reduction of 4-Nitrophenol to 4-Aminophenol", Journal of Nanotechnology & Advanced Materials, 5, 53-57 (2017).