

### ***Publications in International Journals***

- 1- Dsugi, N.F.A., **Elbashir, A.A.** Supramolecular interaction of Moxifloxacin and  $\beta$ -cyclodextrin spectroscopic characterization and analytical application ***Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy*** 2015,137,804-809.
- 2- **A.A.Elbashir**, F.A. A. Abdalla Aboul-Enein, H.Y., Supramolecular interaction of 18-crown-6 with Mesalazine and spectrofluorimetric determination of Mesalazine in pharmaceutical formulations. accepted for publication, ***Luminescence***
- 3- Omar, M.M.A. **Elbashir, A.A.** Schmitz, O.J. Determination of acrylamide in Sudanese food by high performance liquid chromatography coupled with LTQ Orbitrap mass spectrometry, ***Food Chemistry***, 2015,176, 342–349.
- 4- **A.A.Elbashir**, Aboul-Enein, H.Y., Separation and analysis of Triazines Herbicides residues by Capillary Electrophoresis, accepted for publication, ***Biomedical chromatography***
- 5- **Elbashir, A.A.**, F.A.A. Abdalla, HY Aboul-Enein, Host–guest inclusion complex of mesalazine and  $\beta$ -cyclodextrin and spectrofluorometric determination of mesalazine , ***Luminescence***, 2014, DOI: 10.1002/bio.2758
- 6- **Elbashir, A.A.**, HY Aboul-Enein, Supramolecular Analytical Application of Cucurbit [n] urils Using Fluorescence Spectroscopy, ***Critical Reviews in Analytical Chemistry***, 2015,45:52–61.
- 7- **Elbashir, A.A.**, HY Aboul-Enein, Recent applications and developments of capacitively coupled contactless conductivity detection (CE-C4D) in capillary electrophoresis, ***Biomedical Chromatography***, 2014,DOI: 10.1002/bmc.3230

- 8- H.H. Abbas, **Elbashir, A.A.**, HY Aboul-Enein, Chromatographic methods for analysis of triazine herbicides, ***Critical Reviews in Analytical Chemistry***
- 9- Omar, M.M.A., Wan Ibrahim, W.A., **Elbashir, A.A.** Sol-gel hybrid methyltrimethoxysilane-tetraethoxysilane as a new dispersive solid-phase extraction material for acrylamide determination in food with direct gas chromatography-mass spectrometry analysis. ***Food Chemistry*, 2014,158:302–309.**
- 10-F.A.A. Abdalla, **Elbashir, A.A.** Development and Validation of Spectrophotometric Methods for the Determination of Mesalazine in Pharmaceutical Formulation, ***Med chem* 2014,4:361-366**
- 11-Elbashir, A.A.** Ali, S.E.A. Aflatoxins, ochratoxins and zearalenone in sorghum and sorghum products in Sudan, ***Food Additives and Contaminants: Part B Surveillance*, 2014, 7: 135-140**
- 12-Elbashir, A.A.**, Krieger, S.,Schmitz, O.J. Simultaneous determination of polyamines and acetylpolyamines in human urine by capillary electrophoresis with fluorescence detection. ***Electrophoresis* 2014,35: 570-576**
- 13-A.A.Elbashir**, N. F. A. Dsugi, H. Y. Aboul-Enein, Supramolecular study on the interaction between ofloxacin and Methyl $\beta$ -Cyclodextrin by fluorescence spectroscopy and its Analytical Application. ***Journal of Fluorescence*. 2014, 24:355-361.**
- 14- A. M. N. Altigani, Elbashir, A.A.**, Spectrophotometric Method for Determination of Primaquine in Pharmaceutical Formulations via Derivatization with 1,2-Naphthoquinone-4-Sulfonate, ***Austin J Anal Pharm Chem* – 2014,1:4**

- 15-[A.A.Elbashir](#) , M. M .A. Omar, **O.J. Schmitz**, Hassan Y. Aboul-Enein. A Review on Acrylamide Analysis in Food by High Performance Liquid Chromatography and gas chromatography. ***Critical Reviews in Analytical Chemistry***. **44:107–141:2014**
- 16-[A.A.Elbashir](#); S. M. A. Ahmed, Development and Validation of Spectrophotometric Method For The Determination of Cefadroxile And Cefuroxime Sodium In Pharmaceutical Formulations Via Derivitization With 8-Hydroxy-1,3,6-Pyrenesulfonic Acid Trisodium. ***Journal of Pharmaceutical Technology & Innovation*** 01 (02); 2013; 01-12
- 17-[A.A. Elbashir](#) H. Y. Aboul-Enein Capillary Electrophoresis and Molecular Modeling as a complementary technique for chiral recognition mechanism. ***Critical Reviews in Analytical Chemistry***, 2013, **43:131–137**.
- 18-[A.A.Elbashir](#),YA.M. Elnour, H.E. Ahmed, Gas Chromatography-Mass Spectrometer Electron Ionization (GC-MS -EI) method for the Analysis of MalathionResidue in Tomato, ***Journal of Advances in Chemistry*** 2013, **2:73-81**.
- 19-[A.A. Elbashir](#), Ahmed, S.M.A., Aboul-Enein, H.Y. Optimization and validation of spectrofluorimetric method for determination of cefadroxile and cefuroxime sodium in pharmaceutical formulations, ***Luminescence***, 2013, **28, 490-495**.
- 20-[A.A. Elbashir](#), S. A. M. Ebraheem, A. H. E. Elwagee and H. Y. Aboul-Enein. New Spectrophotometric Methods for the Determination of Moxifloxacin in Pharmaceutical Formulations. ***Acta Chim. Slov.*** 2013, **60, 159–165**.
- 21-[A.A.Elbashir](#), F.A. A. Abdalla Application of alizarin red S as an ion-pair reagent for the spectrophotometric determination of Olopatadine Hydrochloride in

pharmaceutical formulation, *American Academic & Scholarly Research Journal* 2013, 5:22-30.

22- **A.A. Elbashir**, Ibrahim, M.A., Aboul-Enein, H.Y., Fluorimetric investigation of host-guest complexation of nizatidine with  $\beta$ -cyclodextrin and its analytical application. *Gazi University Journal of Science* 2013, 26,151-156.

23-**A.A.Elbashir** Dsugi, N.F.A., Mohmed, T.O.M., Aboul-Enein, H.Y. \*Spectrofluorometric analytical applications of cyclodextrins. *Luminescence*, 2014,29:1-7.

24-**A.A.Elbashir** A.A.B. Alfadli \*Development and Validation of Spectrophotometric Method for Determination of Penicillamine (PA) in Pharmaceutical Formulation Using 4-Choro-Nitrobenzo-2-Oxa-1, 3-Diazol (NBD-CL). *World Journal of Analytical Chemistry*, 2013, 1, 2, 18-22.

25-**A.A. Elbashir** and Awad S.F., \* A New Spectrophotometric Method for Determination of Penicillamine in Pharmaceutical Formulation Using 1, 2-naphthoquin-4-sulfonate (NQS). *J Pharmacovigilance*, 2013, 1:2, 1-5.

26-**A.A. Elbashir**, A. E. A. E. Albadri and Hassan El-obid Ahmed \*Residues Levels of pyrethroids pesticide in an open field tomatoes from Sudan by Gas Chromatography with Electron Capture Detector (GC-ECD). *Peak Journal of Food Science and Technology*. 2013,1(1):6-12.

27-S. M. Ali Ahmed, **A. A. Elbashir**, **F. E. O. Suliman**, H. Y. Aboul-Enein, \* New Spectrofluorimetric Method for Determination of Cephalosporins in Pharmaceutical Formulations. *Luminescence*,2012 5:734-741.

- 28- A. A. A. Ali, **A.A. Elbashir**, \* A new spectrophotometric method for the determination of cardiovascular drugs in dosage forms. ***American Academic & Scholarly Research Journal (AASRJ)***, 2013,5, (1)
- 29- S. M. Ali Ahmed, **A.A. Elbashir** , F.E.O. Suliman. \* A novel spectrophotometric Method for the determination of cephalosporins using 8-hydroxy-1, 3, 6-pyrenetrisulfonic acid trisodium salt (HPTS) as a chromogenic reagent. ***American Academic & Scholarly Research Journal (AASRJ)***, 2012, 4, (4).
- 30- **A. A. Elbashir**, Combined Approach Using Capillary Electrophoresis and Molecular Modeling for an Understanding of Enantioselective Recognition Mechanisms. ***Journal of Applied Solution Chemistry and Modeling***, 2012,1, 121-126
- 31- A. A. A. Ali, **A.A. Elbashir** , \*Optimized and validated Spectrophotometric Method for the determination of Olanzapine in Pharmaceutical Formulation Using 1,2,-Naphthoquinone-4-sulphonate (NQS). ***American Academic & Scholarly Research Journal (AASRJ)***, 2012,4, (3)
- 32- F. E. O. Suliman, **A. A. Elbashir**, Enantio-differentiation of Chiral Baclofen by  $\beta$ -Cyclodextrin Using Capillary Electrophoresis: A Molecular Modeling Approach, ***Journal of Molecular Structure***. 2012,1019 ,43–49.
- 33- **A.A. Elbashir**, H.Y. Aboul-Enein, Recent Advances in Applications of Capillary Electrophoresis with Capacitively Coupled Contactless Conductivity Detection (CE-C<sup>4</sup>D) an update, ***Biomedical chromatography***. 2102, 26 :990-1000.
- 34- A. A. A. Ali, **A.A. Elbashir**, \*Spectrophotometric determination of Lisinopril dehydrate in pharmaceutical Formulations using sodium 1,2-naphthoquinone-4-sulfonic. ***ISESCO JOURNAL of Science and Technology***. 2012,8 (13):30-36.

- 35- A. E. A. E. Albadri , **A.A. Elbashir**, H. El-obid Ahmed , I. A. M. Mihaina, H. Y. Aboul-Enein, \*A Gas Chromatographic Method with Electron-Capture Detector (GC-ECD) for Simultaneous Determination of Fenpropathrin, I-Cyhalothrin, and Deltamethrin Residues in Tomato and Its Applications to Kinetic Studies After Field Treatment. **Food Anal. Methods**, 2012, 5, 1296-1302.
- 36- M. M. Ali, M. Eisa, M. I. Taha, B. A. Zakaria , **A.A.Elbashir**, Determination of Caffeine in some Sudanese Beverages by High Performance Liquid Chromatography" **Pakistan Journal of Nutrition** 2012, 11 (4): 336-342.
- 37- S. A. G. M. Ebraheem, **A.A. Elbashir** \*A new Spectrophotometric Method for the Determination of Fluoroquinolones in Pharmaceutical formulation, **American Academic & Scholarly Research Journal (AASRJ)** , 2012,4, (2)
- 38- **A.A. Elbashir**, A. H. E. Elwagee, \*Spectrophotometric Determination of Pyrimethamine (PYM) in Pharmaceutical Formulation using 1,2-Naphthoquinone-4-sulphonate (NQS) . **Journal of the Association of Arab Universities for Basic and Applied Science**. 2012,11, 32–36.
- 39-M. I. Shinger, **A.A. Elbashir**, H. E. Ahmed, H. Y. Aboul-Enein, \*Simultaneous Determination of Cypermethrin and Fenvalerate Residue in Tomato by Gas Chromatography and their applications to Kinetics Studies after Field Treatment. **Biomedical Chromatography** 2012,26 (5), 589-593.
- 40- **A.A. Elbashir** , S. M. Ali Ahmed , H. Y. Aboul-Enein, \*New Spectrofluorimetric Method for Determination of Cephalosporins in Pharmaceutical Formulations. **Journal of Fluorescence**, 2012, 23, 857-864.
- 41- **A.A. Elbashir**, A. A.Ahmed, S. M. Ali Ahmed, H. Y. Aboul-Enein \*1,2-Naphthoquinone-4-sulphonic acid sodium salt (NQS) as an analytical reagent for the determination pharmaceutical amine by spectrophotometry, **Applied Spectroscopy Reviews**, 2012, 47:219–232.

- 42- S. A. M. Ebraheem, **A.A. Elbashir**, \*Spectrophotometric Methods for Determination of Gemifloxacin in Pharmaceutical Formulations". **Acta Pharmaceutica Sinica**, 2011, 1, 4, 248-253.
- 43- **A.A. Elbashir**, F. E. O. Suliman " Computational Modeling of Capillary Electrophoretic Behavior of Primary Amines Using Dual System of 18-Crown-6 and beta-Cyclodextrin" **Journal of Chromatography A**, 2011, 1218, 5344– 5351.
- 44- S. M. Ali Ahmed, **A.A. Elbashir**, H. Y. Aboul-Enein, \*New Spectrophotometric Method for Determination of Cephalosporins in Pharmaceutical Formulations " **Arabian Journal of Chemistry** , 2011, doi:10.1016/j.arabjc.2011.08.012.
- 45- **A.A. Elbashir**, F. E. O. Suliman , H. Y. Aboul-Enein , "The application of 7-Chloro-4-nitrobenzoxadiazole and 4-Fluoro-7-nitro-2,1,3-benzoxadiazole for the analysis of amines and amino acids using high-performance liquid chromatography", **Gazi University Journal of Science**, 2011,24(4):679-697.
- 46- **A.A. Elbashir**, F. E. O. Suliman , and H. Y. Aboul-Enein "The application of 7-Chloro-4-nitrobenzoxadiazole (NBD-Cl) for the analysis of pharmaceutical bearing amine group using spectrophotometry and Spectrofluorimetry techniques" Applied Spectroscopy Reviews, accepted for publication , **Applied Spectroscopy Reviews**, 2011, 46 222-241.
- 47- **A.A. Elbashir**, H. Y. Aboul-Enein, Application of crown ethers as buffer additives in capillary electrophoresis, **Current Pharmaceutical Analysis**, 2010, 6, 3, 101-113.
- 48- **A.A. Elbashir**, H. Y. Aboul-Enein, Applications of Capillary Electrophoresis with Capacitively Coupled Contactless Conductivity Detection (CE-C<sup>4</sup>D) in

Pharmaceutical and biological analysis, *Biomedical chromatography*, 2010, **24,1038-1044.**

- 49- **A.A. Elbashir**, B. Saad, H. Y. Aboul-Enein, "Recent Developments of Enantioseparations for Fluoroquinolones Drugs Using Liquid Chromatography and Capillary Electrophoresis" *Current Pharmaceutical Analysis*, 2010, **6, 4, 246-255.**
- 50- **A. A. Elbashir**, F. E. O. Suliman , B. Saad and H. Y. Aboul-Enein "Capillary electrophoretic separation and computational modeling of inclusion complexes of  $\beta$ -cyclodextrin and 18-crown-6 with primaquine and quinocide" *Biomedical chromatography*, 2010, **24 , 393-398.**
- 51- Khaldun Al Azzam, **A.A. Elbashir**, B. Saad, and S. Abdul H. "Assay and stability-indicating micellar electrokinetic chromatography (MEKC) method for simultaneous determination of valacyclovir ,acyclovir and their major impurity guanine in pharmaceutical formulations" *Biomedical chromatography*, 2010, **24 , 535-543**
- 52- K. Al Azzam, **A.A. Elbashir**, B. Saad, and S. A. Hamid "Assay and stability-indicating Capillary Zone Electrophoresis method for the determination of modafinil: Application to pharmaceutical preparations" *Journal of Liquid Chromatography and related Technologies*, 2010, **33:167–178.**
- 53- K. L. See, **A.A. Elbashir**, B.Saad, A. S. M. Ali "Simultaneous determination of Ofloxacin and Ornidazole in pharmaceutical preparations by capillary zone electrophoresis" *Biomedical chromatography*, 2009, **23, 1283-1290.**
- 54- K. Al Azzam, **A. A. Elbashir**, Elbashir, M.A., B. Saad, and S. A. Hamid "Simultaneous determination of atenolol and chlorthalidone in pharmaceutical preparations by capillary zone electrophoresis" *Analytical letters*, 2009, **42, 1458-1470.**



- 55- **A.A. Elbashir**, B. Saad, A. S. M. Ali, M. I. Saleh "Determination of quinocidine as impurity in primaquine tablets by capillary zone electrophoresis" ***Biomedical Chromatography***, 2009, 23, 464-471.
- 56- **A. A. Elbashir**, B. Saad, A. Salhin M. Ali and M. I. Saleh "Enantioselective analysis of primaquine and its impurity quinocidine by capillary electrophoresis" ***Biomedical Chromatography***, 2009, 23, 295-301.
- 57- **A. A. Elbashir**, F. E. O. Suliman , B. Saad, and H. Y. Aboul-Enein" Determination of Aminoglutethimide Enantiomers in Pharmaceutical Formulations by Capillary Electrophoresis using methylated- $\beta$ -cyclodextrin as a chiral selector and computational calculation for their respective inclusion complexes" ***Talanta***, 2009, 77, 1388-1393.
- 58- **A.A. Elbashir**, B. Saad, A. Salhin M. Ali, M. I. Saleh " *Enantioselective Determination of Ofloxacin in Pharmaceutical formulation by Capillary Electrophoresis using CM- $\beta$ -CD as a chiral selector* , ***J. King Saud Univ.***, 2009, 21, 143-147.
- 59- **A.A. Elbashir**, B. Saad, A. Salhin M. Ali, H. Y. Aboul-Enein, and M. I. Saleh "Validated Stability Indicating Assay of Gemifloxacin and Lomefloxacin in Tablet formulation by Capillary electrophoresis" ***Journal of Liquid Chromatography and related Technologies***, 2008, 31, 1465-1477.
- 60- **A.A. Elbashir**, B. Saad, A. Salhin M. Ali, H. Y. Aboul-Enein, and Muhammad Idiris Saleh "Determination of ofloxacin enantiomers in pharmaceutical formulations by capillary electrophoresis" ***Journal of Liquid Chromatography and related Technologies***, 2008, 31, 348-360.

- 61- **A.A. Elbashir**, B. Saad, A. Salhin M. Ali, M. I. Saleh "Development of A capillary Electrophoresis Method for the Estimation of Primaquine enantiomer in Pharmaceutical Formulations" *Journal of AOAC International*, 2008, 3, 536-541.
- 62- **A.A. Elbashir**, B. Saad, A. Salhin M. Ali and M. I. Saleh "Optimization, validation and application of a capillary zone electrophoresis method for the assay of sparfloxacin in pharmaceutical formulation" *Analytical Letters*, 2008, 41, (14) 2608-2620.
- 63- **A.A.Elbashir**, B. Saad, A. S. M. Ali, M. Idris Saleh "Development and validation of a capillary zone electrophoresis method for the determination of ofloxacin in tablets" *Journal of Liquid Chromatography and related Technologies*, 2008, 31 (18), 2771-2783.
- 64- **A.A. Elbashir**, B. Saad, A. Salhin M. Ali "Enantioseparation of Drugs Using Capillary electrophoresis" *Bulletin of the school of chemical sciences*, 2007, 6, 6-7

#### **Books and chapter in book**

1. **Capillary Electrophoresis Methods for Pharmaceutical Analysis**, Publisher LAP Lambert academic publishing, Germany, ISBN, 978-8383-2297-1, **Abdalla A. Elbashir**, Bahruddin Saad
2. Application of **NQS in Pharmaceutical Analysis**, Publisher LAP Lambert academic publishing, Germany, ISBN, 9783659147081, **Abdalla A. Elbashir**.
3. **Spectrophotometric Determination of Pharmaceutical Amine**, Publisher LAP Lambert academic publishing, Germany, ISBN 3659273694, 9783659273698, Abir Ali, **Abdalla A. Elbashir**
4. **Supramolecular Analytical Applications of Cyclodextrins and their Derivatives Using Fluorescence Spectroscopy**, Oligosaccharides: Food Sources, Biological Roles and Health Implications, Nova Science Publishers, ISBN: 978-1-62948-328-3, **Abdalla A. Elbashir**