

List of Publications

1. "HPLC Separation technique for analysis of bufuralol enantiomers in plasma and pharmaceutical formulations using a vancomycin chiral stationary phase and UV detection", Mohamed M. Hefnawy, Maha A. Sultan and Mona M. Al-Shehri, *J. Chromatogr. B*, 856 (2007) 328–336.
2. "Enantioanalysis of bisoprolol in human plasma with a macrocyclic antibiotic HPLC chiral column using fluorescence detection and solid phase extraction", Mohamed M. Hefnawy, Maha A. Sultan and Mona M. Al-Shehri, *Chem. Pharm. Bull.*, 55 (2007) 1–5.
3. "Development of an HPLC method for the quantitation of bisoprolol enantiomers in pharmaceutical products using a teicoplanin chiral stationary phase and fluorescence detection", Mohamed M. Hefnawy, Maha A. Sultan and Mona M. Al-Shehri, *J. Liq. Chromatogr. & Rel. Technol.*, 29 (2006) 1–14.
4. "Direct enantiomeric resolution of betaxolol with application to analysis of pharmaceutical products", Mohamed M. Hefnawy, Maha A. Sultan and Mona M. Al-Shehri, *Anal. Chem. Insights*, 2 (2006) 1–8.
5. "Optimization of the chiral resolution of metyrosine by means of capillary electrophoresis and/or micellar electrokinetic capillary chromatography", Mohamed M. Hefnawy, *J. Liq. Chromatogr. & Rel. Technol.*, 28 (2005) 439–452.
6. "Liquid chromatographic high-throughput analysis of ketamine and its metabolites in human plasma using a monolithic silica column and solid phase extraction" Mohamed M. Hefnawy and H.Y. Aboul-Enein, *Talanta*, 65 (2005) 67–73.
7. "Spectrofluorometric determination of some β -blockers in tablets and human plasma using 9,10-dimethoxyanthracene-2-sodium sulfonate", H. Abdine, M.A. Sultan, M. Hefnawy and F. Belal, *Pharmazie*, 60 (2005) 76–72.
8. "A validated LC method for the determination of vesamicol enantiomers in human plasma using vancomycin chiral stationary phase and solid phase extraction", M. Hefnawy and H. Y. Aboul-Enein, *J. Pharm. & Biomed. Anal.*, 35 (2004) 535–543.
9. "Chiral Analysis of Butaclamol Enantiomers in Human Plasma by HPLC Using a Macrocyclic Antibiotic (Vancomycin) Chiral Stationary Phase and Solid Phase Extraction", H.Y. Aboul-Enein and M. Hefnawy, *Chirality*, 16 (2004) 147–152.

10. "LC Determination of the Enantiomeric Purity of L-Arginine Using a Teicoplanin Chiral Stationary Phase ", H.Y. Aboul-Enein and M. Hefnawy, *J. Liq. Chromatogr. & Rel. Technol.*, 27 (2004) 1681–1693.
11. "Fast high-performance liquid chromatographic analysis of mianserin and its metabolites in human plasma using monolithic silica column and solid phase extraction", M. Hefnawy and H. Y. Aboul-Enein, *Anal. Chim. Acta.*, 504 (2004) 291–297.
12. "Stereoselective determination of pyridoglutethimide enantiomers in serum with a cellulose based HPLC chiral column using UV detection and solid phase extraction" Mohamed M. Hefnawy, *J. Pharm. & Biomed. Anal.*, 31 (2003) 999–1005.
13. "Enantiomeric resolution of some human aldosterone Synthase [CYP II B2] inhibitors on derivatized polysaccharides chiral stationary phases", H. Y. Aboul-Enein and M. Hefnawy, *J. Sep. Sci.*, 26 (2003) 1455–1458 .
14. "Enantioselective determination of arotinolol in human plasma by HPLC using teicoplanin chiral stationary phase", H. Y. Aboul-Enein and M. Hefnawy, *Biomed., Chromatogr.*, 17 (2003) 453–457.
15. "Enantioselective high-performance liquid chromatographic method for the determination of baclofen in human plasma", Mohamed M. Hefnawy and H. Y. Aboul-Enein, *Talanta*, 61 (2003) 667–673.
16. "Rapid determination of sildenafil citrate in pharmaceutical preparations using monolithic HPLC column", H. Y. Aboul-Enein and M. Hefnawy, *J. Liq. Chromatogr. & Rel. Technol.*, 26 (2003) 28967–2903.
17. "High throughput determination of lamivudine in pharmaceutical preparations using monolithic HPLC column", H. Y. Aboul-Enein and M. Hefnawy, *Anal. Lett.*, 36 (2003) 2527–2538.
18. "Micellar electrokinetic capillary chromatography determination of (+)S and (-)R arotinolol in serum using UV detection and solid phase extraction", Mohamed M. Hefnawy, *Chirality*, 14 (2002) 67–71.
19. "Analysis of certain tranquilizers in biological fluids", Mohamed M. Hefnawy, *J. Pharm. & Biomed. Anal.* 27 (2002) 661–678.
20. "Kinetic spectrophotometric method for the determination of ranitidine and nizatidine in pharmaceuticals", M.I. Walsh, F. Belal, F. Ibrahim, M. Hefnawy and M. Eid, *J. AOAC, Int.*, 85 (2002) 1316–1323.
21. "Voltammetric determination of nitrosocimetidine in simulated gastric juice", M.I. Walsh, F. Belal, F. Ibrahim, M. Hefnawy and M. Eid, *J. Clin., Pharm., Ther.*, 27 (2002) 365–370.

22. "LC determination of dinitrosopiperazine in simulated gastric juice", M.I. Walash, F. Belal, F. Ibrahim, M. Hefnawy and M. Eid, *J. Pharm. & Biomed. Anal.*, 26 (2001) 1003–1008.
23. "HPLC determination of rogletimide enantiomers in serum using a reversed phase cellulose-based chiral stationary phase and solid-phase extraction", Mohamed M. Hefnawy, *J. Liq. Chromatogr. & Rel. Technol.*, 23 (2000) 781–790.
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27. "Spectrofluorometric determination of alpha aminocephalosporins in biological fluids and pharmaceutical preparations", Mohamed M. Hefnawy Y. Elshabrawy and F. Belal, *J. Pharm. & Biomed. Anal.*, 21 (1999) 703–707.
28. "HPLC separation of metyrosine enantiomers as methylester derivatized with 2,3,4,6-Tetra-O-Acetyl-B-D Glucopyranosyl isothiocyanate", Mohamed M. Hefnawy and James Stewart, *J. Liq. Chromatogr. & Rel. Technol.*, 21 (1998) 381–389.
29. "Resolution of enantiomers of tropicamide by reversed phase HPLC using hydroxypropyl betacyclodextrins as chiral mobile phase additives", Mohamed M. Hefnawy and James Stewart, *Anal. Lett.*, 31 (1998) 659–667.
30. "Determination of metyrosine and its metabolites in human serum by HPLC using solid phase extraction and fluorescence detection", Mohamed M. Hefnawy and James Stewart, *J. Liq. Chromatogr. & Rel. Technol.*, 20 (1997) 3009–3016.
31. "Anaerobic biotransformations of organochlorine pesticides in manzala lake, Egypt", Sridhar Susarla, Mohamed M. Hefnawy Shigeki Masunaga, Nobuyoshi Yamashita Yoshitaka Yonezawa, Mohamed M. Salem Rizk and Yoshikuni Urushigawa, *Toxicological and Environmental Chemistry*, 62 (1997) 149–160.
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35. "Application of High Performance Liquid Chromatography in the determination of tauromustine in presence of its metabolites and degradation products", M.I. Walsh. F. Belal, M. E. Metwally and M. Hefnawy, *J. Liq. Chromatogr. & Rel. Technol.*, 17 (1994) 1597–1604.
36. "Polarographic Behavior and Determination of Beclomethasone Dipropionate", M.I. Walsh, F. Belal, M. E. Metawly and M. Hefnawy, *Mikrochim Acta*, 112 (1994) 217–223.
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38. "Spectrophotometric Determination of Maneb and Zineb and their decomposition products in some Vegetables and its Application to kinetic studies after Green House Treatment", M.I. Walsh, F. Belal, M. E. Metwally and M. Hefnawy, *Food Chemistry*, 47 (1993) 411–416.
39. "Spectrophotometric Determination of Rifampin in Presence of its Metabolites and Degradation Products in Pharmaceutical Preparations", M.I. Walsh, F. Belal, M. E. Metwally and M. Hefnawy, *Anal. Lett.*, 26 (1993) 1905–1917.
40. "Fluorimetric determination of tauromustine (a novel antitumour agent) in formulations and biological fluids", *J. Pharm. & Biomed. Anal.*, 11 (1993) 777–780.
41. "Spectrophotometric Assay of Retinol Via Charge-Transfer Complexes", F. Ibrahim, S.M. Hassan and M. Hefnawy, *Mikrochim. Acta*, 1 (1991) 209–215.
42. "A Stability-Indicating High-Performance Liquid Chromatographic Assay for the Determination of Some Pharmaceutically Important Nitrocompounds", F. Ibrahim, S.M. Hassan and M. Hefnawy, *Chromatographia*, 30 (1991) 176–184.
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C) Chapter Books

1. "Chromatographic methods for the analysis of drugs in biological fluids." Aboul-Enein, Hassan Y.; Hefnawy, Mohamed M.; Nakashima, Kenichiro, Handbook of Analytical Separations (Drug Monitoring and Clinical Chemistry), ed. by G. Hempel, Elsevier, 5 (2004) 15–75. CODEN: HASAAX AN 2004:624888 CAPLUS.
2. "Pharmacokinetic of drugs.", Hefnawy, Mohamed M. (A Comprehensive Introduction to Medicinal and Pharmaceutical Chemistry), ed. by H. El-Subbagh and A. Al-Obaid, Al-Rushd, 5 (2006) 101–140. CODEN: HASAAX AN 2006:524588 CAPLUS.
3. "Natural phenolic compounds separation by planar chromatography." Maged S. Abdel-Kader, Mohamed M. Hefnawy, Abdul-Rahman A. Al-Majed, Encyclopedia of Chromatography, ed. by Jack Cazes, Elsevier, 5 (2007) 15–40. CODEN: HASAAX AN 2007:120043819 CAPLUS.
4. "LC/MS characterization of glucuronoid compounds in biological fluids." Adnan A. Al-Kadi, Mohamed M. Hefnawy, , Encyclopedia of Chromatography, ed. by Jack Cazes, Elsevier, 8 (2007) 11–21. CODEN: HASAAX AN 2007:120043823 CAPLUS.