



C.V. of Dr. Hisham Abdel-Aziz Mohamed Hashem

First and Middle Names: Hisham Abdel-Aziz Mohamed

Family or Sir Name: HASHEM

Home Address: Mafarek El-Mansoura Street, Zagazig, Al-Sharkia, Egypt.

Work Address: Pharmaceutical Analytical Chemistry Department, Faculty of Pharmacy, Zagazig, Zagazig University, Al-Sharkia, Egypt.

E-mails: Hisham413@yahoo.com

Home Tel.: (country code, area code, phone number)

002/055 2333796

Mobile: 002 0169198956

PERSONAL DATA

Sex: Male.

Title: Dr.

Passport No.: A18640714

Nationality: Egyptian.

Marital Status: married and have 3 children

Military Status: Acquittal.

Place of Birth: Belbeis, Al-Sharkia, Egypt

Date of Birth: (dd/mm/yy) 04/01/1973

EDUCATION DATA

Faculty: Pharmacy

University: Zagazig University

Degrees: *Bachelor of Pharmaceutical sciences [May 1996].

*Preliminary of Master of Pharmaceutical sciences [Oct.1997].

***Master of Pharmaceutical sciences (Analytical Chemistry)**, the title of the thesis “**Storage behaviour of some local and imported canned foods via changes in their tin and iron contents**” [Aug. 2000].

* **PhD of Pharmaceutical Analytical Chemistry**, from **Germany**, the title of the thesis “**HPLC and CE investigations on some pharmaceutically important analytes**” [January 2008].

Graduations: ***Very Good with Degree of Honor**, (*for Bachelor*) and the second student of the faculty in 1996

***Very Good** (*for Preliminary of Master*) in 1998

***Very Good** (*for PhD*) in 2008 from **Germany**

- Qualifications DATA

Qualifications and Experiences:

Positions:

Academic

1) Demonstrator (Assistant Researcher) in Analytical Chemistry Department, Faculty Pharmacy, Zagazig, Zagazig University, Al-Sharkia, Egypt [1997-2000].

2) Assistant Lecturer in Analytical Chemistry Department (teaching of practical courses), Faculty Pharmacy, Zagazig, Zagazig University, Al-Sharkia, Egypt [2000-2003].

3) Research Assistant (PhD student) in Institute of Pharmacy, Pharmaceutical/Medicinal Chemistry, Ernst-Moritz-Arndt-University Greifswald, F.-L.-Jahn-Str. 17, D-17487 Greifswald, Germany [2003-2008].

4) Lecturer for qualitative, quantitative, instrumental and applied analytical chemistry in Analytical Chemistry Department, Faculty Pharmacy, Zagazig, Zagazig University, Al-Sharkia, Egypt (from 30.03.2008 till 22.06.2013).

5) Assistant Prof. in analytical chemistry department, faculty of pharmacy, Zagazig university (from 23.06.2013 till now).

6) Two Post-Doc. grants from DFG (German scientific society) each of them two months, from 1-6 to 30-7-2010 and from 21-5 to 16-7-2011), by Prof. Dr. Thomas Jira, Institute of Pharmacy, Pharmaceutical/Medicinal Chemistry, Ernst-Moritz-Arndt-University Greifswald, F.-L.-Jahn-Str. 17, D-17487 Greifswald, Germany.

7) Teaching at Libyan International Medical University (LIMU), Faculty of Pharmacy in 2009 and 2010 (one month each year).

8) Assistant Prof. for analytical pharmaceutical chemistry at faculty of Pharmacy/Jazan University/ Saudi Arabia (from 17.10.2011 till 2014).

9) Associate Prof. for analytical pharmaceutical chemistry at faculty of Pharmacy/Jazan University/ Saudi Arabia (from 2014 till 9-2016).

10) Associate Prof. for analytical chemistry at faculty of Science/Jazan University/ Saudi Arabia (9-2016 till now).

Computer Skills: Very good Computer skills (Windows 2000, XP; Microsoft Word 2000; Microsoft Excel 2000; Microsoft Power Point 2000), Internet Communications, Origin 6.1 and ChemWindows 8.

Languages: Arabic (mother language) – English (first foreign language) – German (second foreign language with DSH level).

Hobbies: Reading, Traveling and Sports (football)

List of publications

1- “The effect of the process variables on the HPLC separation of tricyclic neuroleptics on calixarene-bonded stationary phase“ **H. Hashem** and Th. Jira, **Pharmazie** 60 (2005) 186- 192

2- “Chromatographic applications on monolithic columns: Determination of triamcinolone, prednisolone and dexamethasone in pharmaceutical tablet formulations using a solid phase extraction and a monolithic column“ **H. Hashem** and Th. Jira, **Chromatographia** 61 (2005) 133- 136

- 3-“Retention behaviour of beta-blockers in HPLC using a monolithic column“
H. Hashem and Th. Jira, **J. Sep. Sci.** 29 (2006) 986- 994
- 4-“Effect of chaotropic mobile phase additives on retention behaviour of Beta-blockers on various reversed-HPLC columns“ **H. Hashem** and Th. Jira, **J. Chromatogr. A** 1133 (2006) 69- 75
- 5-“Comparison of the chromatographic behavior of tricyclic neuroleptics on Calixarene, Monolith and Conventional-C18 HPLC columns” **H. Hashem** and Th. Jira, **Combinatorial Chemistry & High Throughput Screening**, 10 (2007) 387-396
- 6-“The effect of achiral calixarenes on chiral separations using cyclodextrin as chiral selector and applying combination of partial and complete filling techniques in capillary electrophoresis“ **H. Hashem**, M. Kinzig, Th. Jira, **Pharmazie** 63 (2007) 256-262
- 7-“The role of silver nitrate as additive in non-aqueous capillary Electrophoresis” **H. Hashem**, A. Kaeßler, M. Kinzig, Th. Jira, **Pharmazie** 64: 633–637 (2009)
- 8-“Chromatographic application on calixarene bonded stationary phases: Stability indicating LC method for simultaneous determination of Paracetamol, caffeine and acetylsalicylic acid in Excedrin® tablets” **H. Hashem**, **Chromatographia** 2010, 71, 31–35.
- 9-“Chromatographic application on calixarene bonded stationary phases: Stability indicating LC method for determination of celecoxib in tablet formulation” **H. Hashem**, C. Tründelberg, Th. Jira, **Chromatographia** 2010, 71, 91–94.
- 10- “Effect of chromatographic conditions on liquid chromatographic chiral separation of terbutaline and salbutamol on Chirobiotic V column” **Hisham Hashem**, Clemens Tründelberg, Omer Attef, Thomas Jira, **Journal of Chromatography A**, 1218 (2011) 6727– 6731.

- 11- "Rapid RP-HPLC Method for Simultaneous Estimation of Levofloxacin Hydrochloride, Lomefloxacin Hydrochloride, Gatifloxacin and Sparfloxacin" Abdullah A. El-Shanawany, Sobhy M. El-Adl, Lobna M. Abdel-Aziz, **Hisham A. Hashem** and Mahmoud M. Sebaiy, **Asian Journal of Research in Chemistry, 4 (2011) 1688-1694.**
- 12- "Rapid RP-HPLC Method for Simultaneous Estimation of Sparfloxacin, Gatifloxacin, Metronidazole and Tinidazole" Mahmoud M. Sebaiy, Abdullah A. El-Shanawany, Sobhy M. El-Adl, Lobna M. Abdel-Aziz and **Hisham A. Hashem**. **Asian J. Pharm. Res. 2011; Vol. 1: Issue 4, Pg 119-125 (Asian Journal of Pharmaceutical Research [AJPreS.]**
- 13- "Rapid RP-HPLC Method for Simultaneous Estimation of Norfloxacin and Tinidazole in Tablet Dosage Form" Mahmoud M. Sebaiy, Abdullah A. El-Shanawany, Sobhy M. El-Adl, Lobna M. Abdel-Aziz, and **Hisham A. Hashem**. **Asian J. Pharm. Ana. 2011; Vol. 1: Issue 4, Pg 79-84**
- 14- "Improvement of Separation in Non-aqueous capillary Electrophoresis Using Surfactants and Calixarenes as Additives" **Hashem, Hisham**; Kaeßler, Andre; Jira; Thomas, **Current Analytical Chemistry, 8 (2012) 124-132.**
- 15- "Spectrophotometric Method for Determination of Cefdinir in Pharmaceutical Formulations via Derivatization with 1,2-aphthoquinone-4-sulphonate and 4-chloro-7-nitrobenzo-2-oxa-1, 3-diazole" A. Gouda, **H. Hashem**, W. Hassan, **Drug Testing and Analysis, 2012, 4, 991-1000.**
- 16- "Spectrophotometric and Stability Indicating High Performance Chromatographic Determination of terbutaline-sulfate" **Hashem, H.**, Elmasry, M. S., Hassan, W. E., Tründelberg, C., Jira, Th. **Journal of AOAC Int. Vol. 95, No. 5 (2012) 1412-1417.**
- 17- "Development and Validation of a rapid Stability Indicating chromatographic Determination of Cefdinir in Bulk Powder and Dosage Form Using Monolithic Stationary Phase" **Hashem, Hisham**, Gouda, Ayman A., Hassan, Wafaa, **Journal of Liquid Chromatography and Related Technologies, 35:1638–1648, 2012.**

- 18-** "High Performance Liquid Chromatographic and Spectrophotometric Determinations of Pioglitazone-HCl either alone or in Combination with Metformin-HCl" Afaf A. Abdelmonem, Gamal H. Ragab, **Hisham A. Hashem** and Eman A. Bahgat, **journal of liquid chromatography**, 35 (2012) 2706- 2723.
- 19-** "Simultaneous HPLC-Determination of Nortriptyline and Fluphenazine in One Minute Using Monolithic Stationary Phase" **Hisham Hashem** and Thomas Jira, **journal of liquid chromatography**, 2013, 36 (6), 782-792.
- 20-** "Development and validation of rapid stability indicating HPLC-determinations of antiepileptic drugs Phenobarbital in suppositories and Phenytoin in capsules as well as in urine sample" **Hashem, H.**; Gouda, A. A; Saleh, H.; **Journal of liquid chromatography & Related Technologies**, 36:2292–2306, 2013, DOI: 10.1080/10826076.2012.720329.
- 21-** "Comparison between Calixarene and Conventional HPLC-Stationary Phases concerning with Separation of Antihypertensive Drugs" Elhenawee, Magda; **Hashem, H.**; Ibrahim, A. E., **Journal of liquid chromatography & Related Technologies**, 2014 (37) 1-25.
- 22-** "Chromatographic analysis of some drugs employed in erectile dysfunction therapy: Qualitative and quantitative studies using calixarene stationary phase" **Hashem, H.**; Ibrahim, A.; Elhenawee, M.; **Journal of Separation Sciences**, 2014, 37, 2814-2824.
- 23-** "Development and validation of a rapid stability indicating HPLC-method using monolithic stationary phase and two spectrophotometric methods for determination of antihistaminic acrivastine in capsules" Gouda, A.; **Hashem, H.**; Jira, T.; **Spectrochimica Acta Part A**, 130 (2014) 480-487.
- 24-** "Simple atomic absorption spectroscopic and spectrophotometric methods for determination of pioglitazone hydrochloride and carvedilol in pharmaceutical dosage forms" Abdelmonem, A.; Ragab, G.; **Hashem, H.**; Bahgat, E.; **International Journal of Spectroscopy**, Volume 2014, Article ID 768917, 17 pages.

- 25- "A rapid stability indicating HPLC-method for determination of norethisterone acetate in plasma, tablets and in a mixture with other steroids" **Hisham Hashem**, Soad S. Abdel-hay, Thomas Jira; **International Journal of Pharmacy and Pharmaceutical Sciences**, 2015, 7(2), 179-282.
- 26- "Conductometric determination of the antihistaminic diphenhydramine hydrochloride using silver nitrate as a titrant" Mohammed Al Bratty, **Hisham Hashem**, Amal Noureldeen, Gunasekar Manoharan, Fawaz Towhari, **International Journal of Pharmacy and Pharmaceutical Sciences**, 2015, 7(3), 72-76.
- 27- "Retention behavior of selected basic, acidic and neutral analytes on three different chromatographic stationary phases in presence of chaotropic mobile phase additives" **Hisham Hashem**, Mohammed Al Bratty, Thomas Jira; **Analytical Chemistry: An Indian Journal, ACAIJ, 15(8) 2015 [304-310]**.
- 28- " A novel stability indicating HPLC-method for simultaneous determination of atenolol and nifedipine in presence of atenolol pharmacopeial impurities" **Hashem, H.**; Ibrahim, A.; Elhenawee, M.; **Journal of Applied Pharmaceutical Science**, 2015, 5(08), 017-025.
- 29- " Utilization of alizarin derivatives for the sensitive spectrophotometric determination of two proton pump inhibitors in pharmaceutical formulations" Ayman A. Gouda, Soad Abd El-Hay, **Hisham Hashem**, **Main Group Chemistry**, 15 (2016) 17-34.
- 30- " Visual, potentiometric and conductometric acid-base titrations for determination of antidiabetic pioglitazone-HCl" Mohammed Al Bratty, **Hisham Hashem**, Safeena Eranhiyil, **International Journal of Biology, Pharmacy and Allied Sciences**, 2016, 5(1) 93 - 103.
- 31- "High performance liquid chromatography for simultaneous determination of xipamide, triamterene and hydrochlorothiazide in bulk drug samples and dosage

forms" Soad S. Abd El-Hay, **Hisham Hashem**, Ayman A. Gouda, **ACTA PHARMACEUTICA**, 66 (2016) 109–118.

32- " Spectrofluorimetric and Spectrophotometric Determination of Irbesartan and Bisoprolol hemifumarate independently in their Tablets" Afaf A. Abdelmonem, Gamal H. Ragab, **Hisham A. Hashem** and Eman A. Bahgat, **UK Journal of Pharmaceutical and Biosciences** Vol. 4(2), 43-52, 2016

33- "A Fast Stability-Indicating HPLC Method for Determination of Sotalol Hydrochloride in Bulk Powder and in Dosage Form" Afaf A. Abdelmonem, Gamal H. Ragab, **Hisham A. Hashem** and Eman A. Bahgat, **Main Group Chemistry** 15 (2016) 209–219

34- "Chromatographic Application on a Calixarene Stationary Phase: A Novel HPLC Determination of Flumethasone Pivalate and Salicylic Acid in Their Binary Mixture and Ointment Dosage Form after Two Steps Extraction" **Hisham A. Hashem**, **UK Journal of Pharmaceutical and Biosciences** Vol. 4(2), 70-76, 2016.

35- "Simultaneous determination of the antihypertensives hydrochlorothiazide, losartan potassium, irbesartan and valsartan in bulk powders and pharmaceutical preparations by high performance liquid chromatography" **Hashem, H.**; Ibrahim, A.; Elhenawee, M.; **Main Group Chemistry** 15 (2016) 335–346.

36- "Stability-indicating HPLC method for simultaneous determination of the antihypertensive binary mixture of carvedilol and hydrochlorothiazide in tablets" Afaf A. Abdelmonem, Gamal H. Ragab, **Hisham A. Hashem** and Eman A. Bahgat, **Trends in Chromatography**, Vol.10, (2016) 35 – 45.

37- "Development and Validation of a Rapid Stability-Indicating HPLC Method for Determination of Carbamazepine in Pure and Dosage Forms" Rgaa El sheikh, Ayman Gouda, Wafaa S. Hassan, **Hisham Hashem**, Mohammed Ali and Nasser F. Kandiel, **Chem Sci Trans.**, 2016, 5(4), pp 1026-1034.

38- "A rapid stability indicating LC-method for determination of Praziquantel in presence of its pharmacopoeial impurities" ***Hashem, Hisham***, Ibrahim, Adel Ehab, Elhenawee, Magda, Accepted for publication in **Arabian Journal of Chemistry**, (2017) 10, S35–S41.

39- "Comparison between core-shell and totally porous particle stationary phases for fast and green LC determination of five hepatitis-C antiviral drugs"
Adel Ehab Ibrahim, ***Hisham Hashem***, Magda Elhenawee, Hanaa Saleh, **Journal of Separation Science** 41 (8) 1711–1896 (2018).
DOI: 10.1002/jssc.201701263

40- "Eco-friendly environmental trace analysis of thorium using a new supramolecular solvent-based liquid-liquid microextraction combined with spectrophotometry"
Ayman A. Gouda, Manal S. Elmasry, ***Hisham Hashem***, Heba M. EL-Sayed,
Microchemical Journal 142 (2018) 102–107

41- "Quality by design approach for development and validation of a RP-HPLC method for simultaneous determination of co-administered levetiracetam and pyridoxine HCl in prepared tablets" ***Hisham Hashem***, Heba M. EL-Sayed,
Microchemical Journal 142 (2018) 55–63
DOI: <https://doi.org/10.1016/j.microc.2018.07.031>

42 - " Performance comparison between monolithic, core-shell and totally porous particulate columns for application in greener and faster chromatography" Adel Ehab Ibrahim, ***Hisham Hashem***, Magda Elhenawee, Hanaa Saleh, accepted for publication in **AOAC** (3-2018)

Conferences:

1) Lecture and abstract in 15. PhD students-Seminar (Jan. 2005, Banz, Germany): H. Hashem and Th. Jira "Effect of the mobile phase additives on retention behaviour of beta-blockers on various RP-HPLC-columns"

2) Poster in DPhG-Jahrestagung, October 2005 in Mainz, Germany: H. Hashem and Th. Jira, "The effect of the process variables on the HPLC separation of beta-blockers using a monolithic column"

3) Poster in the 3rd World Congress of the Board of Pharmaceutical Sciences of FIP (PSWC 2007, April 2007 in Amsterdam, Netherlands): H. Hashem and Th. Jira, "The effect of achiral calixarenes on chiral separations using cyclodextrin as chiral selector and applying combination of partial and complete filling techniques in capillary electrophoresis"

- Instruments used in my research:

1- Atomic absorption spectroscopy

2- UV-spectrophotometer

3- HPLC

4- Capillary electrophoresis

- Supervision for the following three master theses:

1- New instrumental methods for determination of some hypotensive, hypoglycemic and/or hypolepidemic drugs, by pharmacist: Eman Ahmed Bahgat.

2- Chromatographic examinations of some important drugs either individually or in multicomponent mixtures, by pharmacist: Adel Ehab Abdel-Magied Ebrahiem.

3- Qualitative and quantitative chromatographic separation of some important drugs in the Egyptian market, by pharmacist: Ebrahim Mostafa Dosoky Zakzok.