

## CURRICULUM VITAE



**Name** : Yasser Shaker Ibrahim Ibrahim El-Saharty

**Nationality** : Egyptian

**Marital status:** married, and having three kids.

**Present occupation:**

**Professor of Pharmaceutical Analytical Chemistry**, Faculty of Pharmacy, Cairo University, Cairo, Egypt, from October 2008 till now.

**Consultant for GSK in the Middle East and Africa** office, Cairo, Egypt, from April 2009 till June 2012.

**Qualification:** \* **Bachelor of Pharmaceutical Sciences** (1984) with general grade excellent with honor degree.

\* **Master** of Pharmaceutical Sciences in **Pharmaceutical Analytical Chemistry** (1991).

**Dissertation:** Analytical Study on Certain Antithyroid Drugs.

\* **Ph.D.** of Pharmaceutical Sciences in **Analytical Food Chemistry** (1998). Practical part was done in Germany.

**Dissertation:** Kinetics of Off-flavour Formation of Some Lipid Fractions and Improvement of Their Keeping Quality.

\* **Diploma in *educational sciences*** from Cairo University (1998).

\* **Diploma in *development of management competencies*** from Cairo University (2004).

\* **Diploma in *presentation skills*** from Cairo University (2004).

\* **Diploma in *modern educational methods including e-learning*** from Cairo University (2005).

\* **Diploma in *decisions making and problems solving*** from Cairo University (2005).

**Past experience: Consultant for UCB pharma in the Middle East and Africa office, Cairo, Egypt, from August 2007 till March 2009.**

**Associate professor of Pharmaceutical Analytical Chemistry, Faculty of Clinical Pharmacy, King Faisal University, Al-Hafhuf, Saudi Arabia, from September 2005 till 2007.**

\* **Associate professor of Pharmaceutical Analytical Chemistry, Faculty of Pharmacy at 6 October University, from December 2003 till August 2005.**

\* Lecturer in the department of Analytical Chemistry, Faculty of Pharmacy, Cairo university, from September 1998 till September 2003.

\* Consultant in QA/QC & R/D at Best food Egypt, at 6 October, Egypt, from 2000 - 2005.

- \* Visitor Lecturer at Misr International university. From 2001-2003.
  
- \* Head of QA/QC & R/D department at Luna cosmetics Egypt. From March 2001-April 2003.
  
- \* Responsible for bioequivalence studies in Egyptian research and development company, from 2002 - 2005.
- \* Responsible for analysis of different pharmaceutical, food and cosmetic samples at the center of applied sciences, faculty of pharmacy, Cairo University, from 1998- 2003.
  
- \* Consultant in pharmapack for purified water, Egypt.
  
- \* One year as supporting scientist in Faculty of Chemistry, Hanover University, Germany (1997-1998).
  
- \* Assistant lecturer in the department of Analytical Chemistry, Faculty of Pharmacy, Cairo University, from August 1991 to August 1998.
  
- \* One year in the quality control laboratory of army factory for pharmaceutical products (from 1985-1986) during my military service.
  
- \* Demonstrator in the department of Analytical Chemistry, Faculty of Pharmacy, Cairo University, from December 1984 to May 1991.

## Teaching Areas

### I. Undergraduate level:

General chemistry, Chemical equilibria, Common constants and concepts of acid, base, salts, insolubles and complexes.

1. Qualitative inorganic analysis (ions, salts and metals)
2. Quantitative Analysis: titrimetry (volumetry), neutralization(acid-base)in aqueous and non-aqueous media, Preciptemetry (Mohr's, Fajan's & Volhard's methods), Complexometry (cyano- & mercurometry and EDTA- titrations).
3. Electron(s)-involving determinations [Redox (reduction-oxidation)] titrimetry.
4. Instrumental methods of analysis: Spectro-&colorimetry, Flame photometry and atomic absorption spectrophotometry (AAS), electrochemical methods of analysis: Conductometry, poteniometry and polarography , Chromatography[ ion- gas/ liquid(GLC), liquid chromatography(LC) & high-performance (HPLC), electrophoresis.

### II. Postgraduate level:

5. General courses and advanced instrumental methods of analysis.
6. Quality control (QC) and quality assurance (QA).
7. Good laboratory practice (GLP) and good analytical practice (GAP).
8. Analytical methods development ,optimization and validation (USP & ICH-guidelines)
9. Environmental analysis (sampling and determination).

## Research Areas

Drug & Food analysis, Analytical automation, Stability of drugs & formulations, Environmental chemistry & analysis, Analytical Automation, Stability studies of micro- and macromolecules, and Photo-pharmacy.

**Main field of research:** High performance liquid chromatography (HPLC, LC-MS), gas chromatography (GC, GC-MS, and GCO), atomic absorption and spectrophotometry.

Scientific activity: Scientific activity: **Head of the research committee**, Faculty of Clinical Pharmacy, King Faisal University, Al-Hafhouf, Saudi Arabia, 2007.

\* **Head of the Quality committee**, Faculty of Clinical Pharmacy, King Faisal University, Al-Hafhouf, Saudi Arabia, 2007.

\* Post doctor DAAD fellowship in Germany in Zentrum Technische Chemie/ Lebensmittelchemie der Universität, Wunstorfer str. 14, D 30453 Hanover, Germany (2002).

\* I have been lecturing different courses for undergraduate students in the field of qualitative, quantitative, including electro-analytical and applied analysis (water and Lipid), and instrumental analytical chemistry.

\* I have been teaching different courses for graduate students in the field of QA/QC and instrumental analysis

\* Supervise master, Ph.D. and diploma in QA/QC students.

\* Participate in a scientific project for herbal drug analysis.

\*Member of the faculty committee for purchasing and receiving different analytical equipment.

\* Reviewer for scientific journals e.g. J. of Chromatography B, Talanta, J Pharm. Biomed Anal. & Int. J. AOAC.

Designing, planning & realizing some research projects, e.g. :

Proj.No. :263-211 [Analysis of herbal drugs in Egypt], Co-P.I ;2000-2003; with Dr.Marawan Shabana (P.I.) funded by International American development establishment

**Reference persons: Prof. Dr. B. A. El-Zeany**, Professor and Head of Analytical Chemistry Dept., Ex-Vice-Dean Faculty of Pharmacy, Cairo University, El-Kasr El-Eini street, Cairo Egypt.

**Prof. Dr. Dr. R. G. Berger**, Professor of Food Chemistry and Director of Zentrum Technische Chemie/ Lebensmittel chemie der Universität, Wunstorfer str. 14, D 30453 Hanover, Germany. **E-mail address** rg.berger@mbox.lci.uni-hannover.de

**Prof. Dr. Abd El-Kader S. Ahmad**, Professor of Analytical Chemistry, Ex-Dean, Faculty of Pharmacy, Cairo University, El-Kasr El-Eini street, Cairo Egypt.

**Professional affiliation:**

Egyptian Association of Pharmaceutical Scientists, from 1984-till now.

Egyptian Syndicate of pharmacists, from 1984-till now.

**Languages** : English (very good), German (good).

**Computer skill:** Internet user plus Microsoft Word, Microsoft Excel, Power point, Chem Window, Figure P and C-design. Statistics programs: Winnonlin and SPSS.

**Address** : Work: Faculty of Pharmacy, Cairo university, El-Kasr El-Eini street, 11562, Cairo, Egypt.

\* Residence: Building 47 A, Road 276, El-Maadi, Cairo, Egypt.

**Telephone No.:** 00202/5193626, 3473341 and mobile 012/4567728, in Egypt.

**Fax No.:** 00202/5320005, in Egypt.

**E-mail address:** [ysaharty@hotmail.com](mailto:ysaharty@hotmail.com)

## List of publications

- [1] El-Bardicy, M. G.; **El-Saharty, Y. S.** and Tawakkol, M. S., " Determination of Carbimazole and Methimazole by First and Third Derivative Spectrophotometry", Spect. Letters, 24(9), 1079 (1991).
- [2] El-Bardicy, M. G.; **El-Saharty, Y. S.** and Tawakkol, M. S., " Stability Indicating Method for the Determination of Carbimazole.", Bull. Fac. Pharm. Cairo univ., 30(1), 7 (1992).
- [3] El-Bardicy, M. G.; **El-Saharty, Y. S.** and Tawakkol, M. S., " Bromometric Determination of Carbimazole", Talanta, 40(4), 577 (1993).
- [4] **El-Saharty, Y. S.**; Tawakkol, M. S.; El-Zeany, B. A. and Berger, R. G., " Odour Active Compounds of Fresh Wheat Germ.", Adv. Food Sci. (CMTL), 19(3/4), 90 (1997).
- [5] **El-Saharty, Y. S.**; El-Zeany, B. A.; Tawakkol, M. S. and Berger, R. G., "Analysis of Odour Active Compounds of Roasted Wheat Germ.", Adv. Food Sci. (CMTL), 20(1/2), 53 (1998).
- [6] Onken, J.; Rehbock, B.; **El-Saharty, Y. S.** and Berger, R. G., "Evaporative Light Scattering Detector (ELSD) Coupling Techniques for the Analysis of Food and Biosystems.", GIT Labor-Fachzeitschrift, 5, 1 (1998).
- [7] Onken, J.; Rehbock, B.; **El-Saharty, Y. S.** and Berger, R. G., "Der Lichtstreuendetektor in der Lebensmittel- und Bioanalytik", Lebensmittelchemie, 52, 124 (1998).

[8] **El-Saharty, Y. S.**; El-Zeany, B. A. and Berger, R. G., " Volatile Flavour and key Off-Flavour Compounds of Overstored Wheat Germ.", Adv. Food Sci. (CMTL), 20(5/6), 198 (1998).

[9] Berger RG, **Saharty YS**, Krings U 1999 Mittel zur Stabilisierung von Lebensmitteln und kosmetischen Mitteln sowie Verfahren zu dessen Herstellung. PCT **patent** application, PCT/DE99/02258. (**U.S., Canadian and European patent**).

[10] Ulrich Krings, **Yasser S El-Saharty**, El-Zeany, BA, Bettina Pabel and Ralf G Berger," Antioxidant activity of extracts from roasted wheat germ", J. Food. Chem., **71**, 91(2000).

[11] **El-Saharty, Y. S.**," Spectrophotometric and proton NMR spectrometric determination of ceftizidime in bulk powder and in its vial" Bull. Fac. Pharm. Cairo univ., 38(1), 1 (2000).

[12] El-Ragehy, N. A. and **El-Saharty, Y. S.**," Investigation of ketoconazole copper (II) and cobalt (II) complexes and their spectrophotometric application", J AOAC, **84**(2), 563 (2001).

[13] **El-Saharty, Y. S.**; Abdel-Kaway M. and El-Bardicy, M. G., "Spectrophotometric and spectrodensitometric determination of carbimazole", Spectroscopic Letter, **34**(3), 325 (2001).

[14] **El-Saharty, Y. S.**; Refaat, M. and El-Khateeb, S. Z., "Stability-indicating spectrophotometric and densitometric methods for determination of aceclofenac", Drug Development and Industrial Pharmacy, **28**(5), 571 (2002).



- [15] Moursi, N M.; Afifi, N. N.; Ghorab, D. M. and **El-Saharty, Y. S.**, "Formulation and Biopharmaceutical Evaluation of Floating Capsules of Nicardipine Hydrochloride", *Pharmazie*, **58**(1), 37 (2002).
- [16] **El-Saharty, Y. S.**, Hassan, N. Y. and Metwally, F. H., "Simultaneous Determination of Terbinafine Hydrochloride and Triamcinolone Acetonide by UV Derivative Spectrophotometry and Spectrodensitometry", *J. of Pharm. and Biomed. Analysis*, 28(3-4), 569 (2002).
- [17] **El-Saharty, Y. S.**, Abdel-Bary, A., "HPLC Determination of Nutraceuticals, Glucosamine Sulphate and Chitosan in Raw Materials and Dosage Forms", *Analitica Chimica Acta*, 462(1), 125 (2002).
- [18] **El-Saharty, Y. S.**; Refaat, M. and El-Khateeb, S. Z. "Simultaneous Determination of Diclofenac sodium and Diflunisal", accepted for publication in the Egyptian conference of pharmaceutical sciences, December (2002), published in *Bull. Fac. Pharm. Cairo univ.*, 40(3), 47 (2002).
- [19] Metwally, F. H., Amer, S.M., **El-Saharty, Y. S.** and Younes, K.M., "Spectrophotometric Determination of Etodolac in Bulk and Pharmaceutical Preparations with Comparative Kinetic Study", accepted for publication in the Egyptian conference of pharmaceutical sciences, December (2002), published in *Bull. Fac. Pharm. Cairo univ.*, 40(3), 65 (2002).
- [20] Amer, S.M., **El-Saharty, Y. S.**, Metwally, F. H. and Younes, K.M., "Spectrophotometric Determination of Azapropazone Based on Oxidation Reaction", accepted for publication in the Egyptian conference of pharmaceutical sciences, December (2002). published in *Bull. Fac. Pharm. Cairo univ.*, 40(3), 75 (2002).

[21] **El-Saharty, Y. S.**, "Simultaneous High-Performance Liquid Chromatographic Assay of Furosemide and Propranolol HCl and its Application in Pharmacokinetic Studies", J. Pharm. and Biomed. Analysis 33(4), 699-709 (2003).

[22] Moursi, N M.; Afifi, N. N.; Ghorab, D. M. and **El-Saharty, Y. S.**, "Improving Bioavailability of Furosemide by Controlled Release Floating Granules in Capsules Formulation", Bull. Fac. Pharm. Cairo Univ. 41(3) (2003) 83.

[23] Moursi, N M.; Afifi, N. N.; Ghorab, D. M. and **El-Saharty, Y. S.**, "Floating Microballoon as Controlled Release Delivery System for Verapamil Hydrochloride" accepted for publication in the Third Azhar International Conference for Pharmaceutical and Biological Sciences held in December (2003).

[24] **El-Saharty, Y. S.**, "Detection of Lard in Food and Drug Products", a review article submitted to the permanent committee of chemistry for the promotion of associate professor (2003).

[25] **Y.S.El-Saharty**, L.I. Bebawy, B.El-Zeni, A.B.Megalli "Stability Indicating Methods for the determination Of Nateglinide" accepted for publication in the Egyptian conference of pharmaceutical sciences, December (2004) published in Bull. Fac. Pharm. Cairo Univ. 43(1) (2005) 27.

[26] Amer, S.M., **El-Saharty, Y. S.**, Metwally, F. H. and Younes, K.M., "Spectrophotometric Study of Etodolac Copper (II) and Iron (III) complexes" J. AOAC International, 88(6) (2005) 1-8.

[27] Amer, S.M., **El-Saharty, Y. S.**, Metwally, F. H. and Younes, K.M., "Spectrophotometric Methods for the Determination of Tenoxicam in the presence of 2-aminopyridine" Bull. Fac. Pharm. Cairo Univ 43(2) (2005) 39-49.

[28] **Y. S. El-Saharty**, F.H. Metwaly, M. Refaat and S. Z. El-Khateeb "Application of a new membrane selective electrodes for the determination of drotaverine hydrochloride in tablets and plasma" J. Pharm. Biomed. Anal. 41 (2006) 720-724.

[29] **Y. S. El-Saharty**, F.H. Metwaly, M. Refaat and S. Z. El-Khateeb "Simultaneous determination of Hyoscine butylbromide and Ketoprofen in pharmaceutical preparations by spectrophotometric and HPLC methods" J. AOAC Int. 90(1) (2007) 102-112.

[30] F.H. Metwaly, **Y. S. El-Saharty**, M. Refaat and S. Z. El-Khateeb "Application of spectrophotometric, multivariate spectral analysis and TLC-densitometric methods for determination of a ternary mixture containing drotaverine hydrochloride, caffeine and paracetamol" J. AOAC Int. 90(2) (2007) 391-404.

[31] **Y. S. El-Saharty** "Spectrophotometric and liquid chromatographic methods for simultaneous determination of moclobemide and its degradation products" Bull. Fac. Pharm. Cairo Univ 45(3) (2007) 1-11.

[32] F.H. Metwaly, **Y. S. El-Saharty**, M. Refaat and S. Z. El-Khateeb "Spectrophotometric methods and application of a new membrane selective electrodes for the simultaneous determination of mebeverine hydrochloride and sulphiride" Bull. Fac. Pharm. Cairo Univ 45(3) (2007) 13-29.

[33] **Y. S. El-Saharty**, F. H. Metwally, K. M. Younes and S. M. Amer "Determination of Azapropazone in the presence of its oxidative degradation product" Bull. Fac. Pharm. Cairo Univ 45(2) (2007) 13-25.

[34] **Y. S. El-Saharty**, F.H. Metwaly, M. Refaat and S. Z. El-Khateeb "Development of membrane electrodes for the selective determination of hyoscine butylbromide" *Talanta*, 72 (2007) 675-681.

[35] **El-Saharty, Y. S.**, El-Ragehy, N.A., Abdel-Monem, A. and Abdel-Kawy, M." Stability indicating methods for the determination of pipazethate HCl in the presence of its alkaline degradation product" Accepted for publication in the 7<sup>th</sup> Saudi International Pharmaceutical March Conference 2007; *J. Advanced Research*, 1 (2009) 71-78.

[36] **Y. S. El-Saharty** "Simultaneous determination of piracetam and vincamine by spectrophotometric and high-performance liquid chromatographic methods" *J. AOAC Int.* 91(2) (2008) 311-321.

[37] Mahmoud M. Ghorab, **Yasser S. El-Saharty**, Amna A. Makky and Shaimaa M. Badr-Eldin "A Novel Rapidly Disintegrating Tablet of Sildenafil Citrate With Enhanced Stability: Design And *In-Vitro* Evaluation" *Int J Pharm* 2013; 3(1): 28-39

[38] N. A. El-Ragehy, **Y. S. El-Saharty**, H. Abdel-Monem and M. Abdel- Kawy "Simultaneous Determination of Pipazethate HCl in the Presence of its Oxidative Degradation Product" sent for publication in *Ana. Chim. Acta.*

## **List of Bioequivalence studies**

### **Capsules:**

- Bioequivalence study of Macrofuran Capsules 50 mg for Al Kahira pharmaceutical Company. (Urinary antiseptic)
- Bioequivalence study of Rheumacid Capsules 25 mg for Al Kahira pharmaceutical Company. (N.S.A.I.D)
- Bioequivalence study of Omepral Capsules 20 mg for Memphis Company. (Peptic ulcer)
- Bioequivalence study of Ofloxacin Capsules for Memphis Company. (Antibiotic)

### **Tablets:**

- Bioequivalence study of Septazole Tablets for Alexandria Company for pharmaceuticals. (Chemotherapeutic agent).
- Bioequivalence study of Diabyl Tablets 80 mg for Memphis Company. (Anti-Diabetic).
- Bioequivalence study of Glibenase Tablets for Arab Company. (Antidiabetic).
- Bioequivalence study of Salex Tablets 40 mg for Arab Company. (Diuretic).
- Bioequivalence study of Tensilol Tablets 100 mg for Memphis Company. (Antihypertensive).
- Bioequivalence study of Tensilol Tablets 100 mg for Memphis Company. (Antihypertensive).
- Bioequivalence study of Atenolol Tablets 100 mg for sedico Company. (Antihypertensive).
- Bioequivalence study of Pyrazinamide Tablets for Memphis Company. (Antilyprozy).
- Bioequivalence study of Pynox Tablets for Alex Company. (Antiplatelets).
- Bioequivalence study of Sedopram Tablets 20 mg for sedico Company. (Antidepressant).

**Dry suspension:**

- Bioequivalence study of Ampicillin Syrup 250 mg for Misr Pharmaceutical Company. (Antibiotic)
- Bioequivalence study of Cephadrol Syrup 250 mg for Arab Company. (Antibiotic)

**Training Program**

- Application of HPLC in analysis of drugs.
- LC-MS, principles & applications.
- Validation.
- Stability of drug.
- Quality assurance.