

Contact Info :

Name: Rim Said Mahmoud Haggag

Title: Professor

Tel: 144

Email: only@pua.edu.eg

Room: C244



Biographical sketch
(Academic Degrees
– Fellowships and
Associations)

Prof. Dr. Rim Haggag is currently a Professor of Analytical Chemistry at the Faculty of Pharmacy and Drug Manufacturing, Pharos University in Alexandria, Egypt. Dr. Haggag obtained her BSc in 1996 and her PhD in Pharmaceutical Analytical Chemistry in 2002 from Alexandria University, Egypt.

She has taught Analytical and Pharmaceutical Chemistry courses to pharmacy students in Alexandria, Damanhour and Pharos Universities, and to clinical pharmacy students at Alexandria University, including qualitative and quantitative analysis of organic and inorganic compounds and instrumental methods of analysis. She has also taught postgraduate courses in Pharmaceutical Analytical Chemistry (Advanced electrochemical methods of analysis, Instrumental analysis of pharmaceuticals in biological fluids, Stability-indicating methods of pharmaceutical analysis).

Dr. Haggag is an active regular reviewer in many international highly cited specialized journals (e.g. Journal of AOAC international, Arabian journal of chemistry, Pharmaceutica Analytica Acta, Journal of chromatographic science, American journal of chemistry. Bulletin of Faculty of Pharmacy, Cairo University. Chemical Industry & Chemical Engineering Quaterly, Journal of Theoretical Chemistry, International journal of spectroscopy and others).

	<p>Dr. Haggag is a an Editorial board member of some scientific journals : Pharmaceutica Analytica Acta (OMICS Publishing Group), American Journal of Chemistry (Scientific and Academic Publishing), and International Journal of Clinical Pharmacology & Toxicology (IJCPT) SciDoc Publishers, and a member of the American Chemical Society since 2011.</p> <p>Dr. Haggag has published more than 28 scientific papers in international peer-reviewed journals and about 13 abstracts and papers as posters in international conferences. She supervised 6 Master students and three PhD students in the field of pharmaceutical analysis.</p> <p>She has been cited by 119 documents in Scopus, H-Index: 6</p> <p>Dr. Haggag has been awarded by Alexandria University for publishing 5 research articles in top 50 % journals and 5 research articles in lower 50 % journals (according to Red Jasper or ISI ranking). She has been included in the "2000 Outstanding Intellectuals of the 21st Century"- 2011-Cambridge-England and in "Who's Who in Science and Engineering" 2011-2012 – 11th Edition, 2012-2013 and 2014-2015.</p> <p>Dr. Haggag is actually the executive director of the Drug Research Center at the faculty of pharmacy and drug manufacturing at PUA.</p>
Publications	<p><u>List of Publications</u></p> <p>1- The Use of Fourier Descriptors for the spectrophotometric identification of some benzenoid compounds.</p> <p>Mohamed A. Korany, Ezzat A. Korany, Mona M. Bedair, Ismail I. Hewala and Rim S. Haggag</p>

Anal. Letters, 31(8), 1387-1406 (1998).

Presented at the 4th International Conference on Artificial Intelligence Applications, January 16-19, (1996).

- 2- Extraction–spectrophotometric determination of phenytoin in capsules and plasma using potassium permanganate/ dicyclohexano – 24 – crown – 8.

Mohamed A. Korany, Mona M. Bedair and **Rim S. Haggag**

Talanta, 46, 9-14 (1998).

- 3- Kinetic study of alkaline degradation of indapamide and its assay in tablets fluorimetrically.

Omaima A. Razak, Mohamed A. Korany, Mona M. Bedair and **Rim S. Haggag**.

Presented at the Third Annual Meeting of the Association of Colleges of Pharmacy in the Arab World 14-16 October 1999, Tanta university, and published in the Arab Journal of Pharmaceutical Sciences, 1(6), 73-86 (2000).

- 4- Polarographic and spectrophotometric determination of some drugs through nitrosation and study of formation of the nitrosoderivatives in simulated gastric juice.

Omaima A. Razak, Mona M. Bedair, Saied F. Belal and **Rim S. Haggag**.

Presented at the World Congress of Pharmacy and Pharmaceutical Sciences, 61st International Congress of FIP, Singapore, (2001).

- 5- Spectrophotometric and polarographic determination of enalapril and lisinopril using 2,4-dinitrofluorobenzene.

Omaima A. Razak, Saied F. Belal, Mona M. Bedair, Nahla, S. Barakat and **Rim S. Haggag**

J. Pharm. Biomed. Anal., 31, 701-711 (2003).

- 6- The utilization of copper(II)phosphate for the anodic stripping voltammetric assay of

alendronate sodium, desferrioxamine mesylate and lisinopril.

Omaima A. Razak, Saied F. Belal, Mona M. Bedair and **Rim S. Haggag**

Talanta , 59, 1061-1069 (2003).

- 7- Spectrophotometric stability- indicating assay of enalapril and study of its degradation.

Omaima A. Razak, Saied F. Belal, Mona M. Bedair, Nahla S. Barakat and **Rim S. Haggag**

Bull. Fac. Pharm. Cairo Univ., 42(1), 243-249 (2004).

- 8- Polarographic determination of fenofibrate and bezafibrate in pharmaceutical preparations and their bioactive forms in plasma.

Omaima A. Razak, Saied F. Belal, Mona M. Bedair and **Rim S. Haggag**

Bull. Fac. Pharm. Cairo Univ., 42(1), 251-257 (2004).

- 9- Application of cathodic square wave polarography and spectrophotometry to the determination of the cytoprotective agent amifostine (WR-2721) in vials and spiked human plasma after complexation with copper(II)phosphate.

Rim S. Haggag

Bull. Fac. Pharm. Cairo Univ., 47(1), 201-209 (2009).

- 10- Selective and stability-indicating methods for the simultaneous determination of mexiletine hydrochloride and/or its related substance: 2,6-dimethylphenol.

Tarek S. Belal, **Rim S. Haggag**, and Rasha A. Shaalan

J. AOAC International, 91(4), 720-730 (2008).

- 11- Derivatization with 4-Chloro-7-nitro-2,1,3-

benzoxdiazole for the spectrophotometric and differential pulse polarographic determination of acetylcysteine and captopril.

Rim S. Haggag, Saied F. Belal, and Rasha A. Shaalan

Sci. Pharmaceutica, 76, 33-48 (2008).

- 12- The use of an aromatic substitution reaction in the spectrophotometric determination of selected amino or thiol containing drugs.

Saied F. Belal, **Rim S. Haggag** and Rasha A. Shaalan

J. Food and Drug Analysis, 16(1), 26-33 (2008).

13- Differential pulse polarographic determination of clonidine hydrochloride and fosinopril sodium in pharmaceutical preparations through labeling using nitro derivatives.

Rim S. Haggag, Saied F. Belal and Rasha A. Shaalan

Bull. Fac. Pharm. Cairo Univ., 46(1), 271-282 (2008) (Special Issue).

14- Kinetic spectrophotometric determination of atenolol, metoprolol tartarate & timolol maleate in pharmaceutical preparations.

Saied F. Belal, **Reem S. Haggag**, Ekram M. Hassan and Rasha A. Shaalan

Bull. Fac. Pharm. Cairo Univ., 42(2), 359-370 (2004).

15- The use of 4-Chloro-7-nitro-2,1,3-benzoxdiazole for the determination of amlodipine besylate and heptaminol hydrochloride in dosage forms.

Rim S. Haggag, Saied F. Belal and Rasha A. Shaalan

Mansoura J. Pharm. Sci., 25(1), 22-30 (2009).

16- Validated HPLC determination of the two fixed dose combinations (Chlordiazepoxide Hydrochloride and Mebeverine Hydrochloride; Carvedilol and Hydrochlorothiazide) in their Tablets.

Rim S. Haggag, Rasha A. Shaalan, and Tarek S. Belal

J. AOAC International, 93(4), 1192-1200 (2010).

17- Gradient HPLC-DAD stability indicating determination of lidocaine hydrochloride and cetylpyridinium chloride in two combined oral gel dosage forms.

Tarek S. Belal, Rasha A. Shaalan and **Rim S. Haggag**

J. AOAC International, 94(2), 503-512 (2011).

18- Selective Stability-Indicating Methods for the

Determination of Clonidine Hydrochloride and/or its Related Substance, 2,6-Dichloroaniline.

Rim Said Haggag, Saied Fathalla Belal and Rasha Abdel-aziz Shaalan

J. Food and Drug Analysis, 19(2), 174-182 (2011).

- 19- Gradient HPLC-DAD stability indicating determination of Miconazole nitrate and Lidocaine Hydrochloride in their combined oral gel dosage form.

Tarek S. Belal and **Rim S. Haggag**

J. Chromatogr. Science, 50(5), 401-409 (2012).
doi:10.1093/chromsci/bms019

Presented as a poster in Pittcon 2011 conference, Atlanta, Georgia, USA on March 13-17, 2011.

- 20- Gradient HPLC-DAD Determination of Two Pharmaceutical Mixtures Containing the Antihistaminic Drug Ebastine.

Rim S. Haggag and Tarek S. Belal

J. Chromatogr. Science, 50(10), 862 – 868 (2012).

doi: 10.1093/chromsci/bms082

Presented as a poster at the 38th International Symposium on High Performance Liquid Phase Separations and Related techniques (HPLC 2012), Anaheim, California, USA, June 16-21, 2012.

- 21- A validated stability-indicating DAD-HPLC method for determination of pentoxifylline in presence of its pharmacopeial related substances.

Mohamed A. Korany, **Rim S. Haggag**, Marwa A.A. Ragab, and Osama A. Elmallah

Bulletin of Faculty of Pharmacy, Cairo University, 51, 211–219, (2013).

- 22- Stability-Indicating HPLC-DAD Determination of Ribavirin in Capsules and Plasma.

Rim. S. Haggag, Saied F. Belal, Ismail I. Hewala, and Ola. A. El Rouby

J. Chromatogr. Science, 52(5), 493-500 (2014).

doi:10.1093/chromsci/bmt067

Presented and included in the conference proceedings at the International Conference on Pharmacy and Pharmaceutical Sciences, Dubai, UAE, October 8th – 9th, 2012.

- 23- A validated stability-indicating HPLC method for simultaneous determination of Silymarin and Curcumin in various dosage forms.

Mohamed A. Korany, **Rim S. Haggag**, Marwa A.A. Ragab, and Osama A. Elmallah

Arabian Journal of Chemistry, article published online 2013.06.021

<http://dx.doi.org/10.1016/j.arabjc.2013.06.021>

- 24- Simultaneous Determination of Hyoscine, Ketoprofen and Ibuprofen in Pharmaceutical Formulations by HPLC – DAD.

Rasha A. Shaalan, **Rim S. Haggag**, Saied F. Belal and Mahmoud Agami

Journal of Applied Pharmaceutical Science, 3(07), 038-047, (2013).

doi: 10.7324/JAPS.2013.3708

- 25- Liquid Chromatographic Determination of Amikacin sulphate after Pre-column Derivatization.

Mohamed A. Korany, **Rim S. Haggag**, Marwa A. A. Ragab and Osama A. Elmallah

J. Chromatogr. Science, 52(8), 837- 847 (2014).

doi:10.1093/chromsci/bmt126

Presented as a poster at the 3rd Scientific Conference of Faculty of Pharmacy Cairo University on "Good Pharmacy Practice". April 25th – 26th, 2012.

- 26- Kinetic Investigation of Pentoxifylline Based on Non-Parametric Linear Regression of Derivative and Convolutated Derivative Chromatographic

and Spectrophotometric Responses.

Mohamed A. Korany, **Rim S. Haggag**, Marwa A.A. Ragab, Osama A. Elmallah

J. Liq.Chromatogr.&Rel. Technol. 37(4), 475-497 (2014).

doi:10.1080/10826076.2012.745151.

- 27- Spectrophotometric determination of the sulfhydryl containing drug mesna.

Rim S. Haggag , Dina A. Gawad , Saeid F. Belal , Hadil M. Elbardisy Bulletin of Faculty of Pharmacy, Cairo University, 54, 21-32 (2016).

Presented as a poster at the First PUA International Conference on Advances in Pharmaceutical Sciences (1st PUA- ICAPS). October 27th– 29th, 2015.

- 28- Spectrophotometric and spectrofluorimetric determination of mesna, acetylcysteine and timonacic acid through the reaction with acetoxymercuri fluorescein

Rim S. Haggag, Dina A. Gawad, Saeid F. Belala and Hadil M. Elbardisy

Analytical Methods, 8, 2479-2493, (2016).

DOI: 10.1039/c5ay02279g

Papers submitted for publication:

- 29- Development of an HPLC- DAD method for monitoring N-nitroso aceclofenac in simulated gastric juice and study of the inhibitory effect of natural blocking agents on endogenous nitrosation.

Rim. S. Haggag, Saied F. Belal, Ismail I. Hewala, and Ola. A. El Rouby

Submitted for publication

<p>Academic Research Interests:</p>	<ul style="list-style-type: none">- Development and validation of stability-indicating assays of pharmaceuticals using several instrumental techniques such as: spectrophotometry , spectrofluorimetry, electrochemical techniques and HPLC.- Analysis of drugs and related materials in different matrices such as dosage forms and biological fluids.- Study of degradation kinetics of drugs.- Analysis of pharmaceutical compounds via chemical derivatization.- Drug monitoring in biological fluids as plasma and urine.
-------------------------------------	--