

CURRICULUM VITAE



Name : RIM SAID MAHMOUD HAGGAG
Date of birth : 4th September 1968
Place of birth : Alexandria, Egypt
Marital Status : Married, two children
Nationality : Egyptian
Address : Faculty of Pharmacy Department of
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Alexandria 21521, El-Messallah, Egypt

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Pharmacy)

Languages Arabic : (Native)
English : written and spoken fluently
French : written and spoken fluently

Education/Scientific Degrees

- 1- Primary, Preparatory and Secondary studies certificates at Collège Notre Dame De Sion, Alexandria (1974-1986).
- 2- B. Pharm. Sci. (Bachelor in Pharmaceutical Sciences), at the Faculty of Pharmacy, Alexandria University, with Grade “Excellent” Distinction Honors (June 1991).
- 3- M. Pharm. Sci. (Master in Pharmaceutical Sciences), Faculty of Pharmacy, Alexandria University (28 May 1996).
- 4- Ph. D. of Pharmaceutical Sciences, Faculty of Pharmacy, Alexandria University (30 April 2002).
- 5- Certificate of “Connaissance de la langue Française” from “Centre Culturel Français” (September 1998).
- 6- Certificate of « Institutional TOEFL » (September 1998).

Professional Carrier

- Professor of Pharmaceutical Analytical Chemistry, Department of Pharmaceutical Analytical Chemistry, Faculty of Pharmacy, Alexandria University (Present position from 31 March 2015).
- Demonstrator of Pharmaceutical Analytical Chemistry, Department of Pharmaceutical Analytical Chemistry, Faculty of Pharmacy, Alexandria University (21 September 1991 – 3 July 1996).
- Assistant Lecturer of Pharmaceutical Analytical Chemistry, Department of Pharmaceutical Analytical Chemistry, Faculty of Pharmacy, Alexandria University (July 1996 – May 2002).
- Lecturer of Pharmaceutical Analytical Chemistry, Department of Pharmaceutical Analytical Chemistry, Faculty of Pharmacy, Alexandria University (May 2002– August 2009).
- Assistant Professor of Pharmaceutical Analytical Chemistry, Department of Pharmaceutical Analytical Chemistry, Faculty of Pharmacy, Alexandria University (25 August 2009– March 2015).

Research Areas

- Development and validation of stability-indicating assays of pharmaceuticals using several instrumental techniques such as: spectrophotometry , fluorimetry, 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.

Experience

I-Teaching Experience

Courses for undergraduate students

- Teaching of practical courses in Analytical and Pharmaceutical Chemistry to pharmacy students including qualitative and quantitative analysis of organic and inorganic compounds and instrumental analysis.
- Teaching of undergraduate courses to pharmacy students in Alexandria

University (Qualitative and quantitative analytical chemistry).

- Teaching of undergraduate courses to pharmacy students in Pharos University (Basic inorganic chemistry PHR 125) in the academic years 2009-2010, 2010-2011, 2011-2012 and 2012-2013.

- Teaching of undergraduate courses to pharmacy students in Damanhour University in the academic year 2010 – 2011.

- Teaching of Pharmaceutical Analytical Chemistry II (PC 306) to second-year clinical pharmacy students in Alexandria University.

Courses for postgraduate students

- Teaching of postgraduate courses in Pharmaceutical Analytical Chemistry:

- Advanced electrochemical methods of analysis.
Course code: 0907801
- Instrumental analysis of pharmaceuticals in biological fluids.
Course code: 0907705
- Stability-indicating methods of pharmaceutical analysis.
Course code: 0907804

II- Supervising graduate students and conducting research work

- Supervision of a Ph.D. thesis entitled : "Analysis of some drugs used in the treatment of cardiovascular disturbances".

Presented by: M.D. Rasha Abdel-Aziz Ahmad Shaalan.

Degree awarded: September 2005.

- Supervision of a M.Pharm.Sci.thesis entitled : "Determination of some drugs in presence of their degradation products using chromatographic and spectrometric methods".

Presented by: pharmacist Ola Ahmed Mabrouk Ahmed Elrouby.

Degree awarded: November 2011.

- Supervision of a M.Pharm.Sci. thesis entitled : "Application of spectroscopic and chromatographic methods to the identification and determination of some drugs and their related compounds".

Presented by: pharmacist Ossama Ahmed Ibrahim Elmallah.

Degree awarded: October 2012.

- Current supervision of a M.Pharm.Sci. thesis entitled :

"Application of chromatographic methods to the identification and determination of some drugs in multi-component pharmaceutical preparations".

By: pharmacist Rasha Abdel Moneim El Sokkary.

- Supervision of a M.Pharm.Sci.thesis entitled : "Analytical studies on some selected drugs acting on the gastrointestinal tract".

Presented by: pharmacist Mahmoud Abdel Sattar Ibrahim Agami.

Degree awarded: September 2013.

- Current supervision of a M.Pharm.Sci.thesis entitled :

" Identification and determination of certain pharmaceutical excipients in drug products".

By: pharmacist Eslam Khamis Salem Mohammed.

- Supervision of a M.Pharm.Sci.thesis entitled : "Analysis of certain organosulphur compounds of pharmaceutical importance".

By: pharmacist Hadil Mamdouh Ali El Bardissi.

Degree awarded: November 2014.

- Current supervision of a Ph.D. thesis entitled : " Analytical studies on some recently FDA-approved pharmaceutical compounds".

By: pharmacist Ola Ahmed Mabrouk Ahmed Elrouby.

- Current supervision of a Ph.D. thesis entitled: " Analysis of some

Neuropsychiatric disorder drugs using different green analytical techniques".

By: pharmacist Osama Ahmed Ibrahim Elmallah.

III- Reviewing manuscripts for international journals:

- Journal of AOAC international.
- Pharmaceutica Analytica Acta.
- American journal of chemistry.
- Bulletin of Faculty of Pharmacy, Cairo University.
- Chemical Industry & Chemical Engineering Quaterly (Chem Ind. Chem. Eng. Q.)
- Arabian journal of chemistry
- Journal of chromatographic science
- Journal of Theoretical Chemistry
- International journal of spectroscopy

IV- Professional Memberships

A- Member of the editorial board of the following journals:

- Pharmaceutica Analytica Acta (OMICS Publishing Group), from December 2011.
- American Journal of Chemistry (Scientific and Academic Publishing), from December 10th 2011.
- International Journal of Clinical Pharmacology & Toxicology (IJCPT) SciDoc Publishers.

B- Member of the American Chemical Society:

2011-2012
2012-2013
2013-2014
2014-2015
2015-2016

C- Member of Alexandria Syndicate of Pharmacists since 1991.

D- Member of the general Syndicate of Pharmacists since 1991.

E- Member in رابطة أوائل الثانوية العامة

V- Training courses and workshops :

1- "Computers, Data Management, Database, and their applications in Environmental Biotechnology"

Provided by University of Alexandria Research Center, during the period 26-31 March, 1994.

2- Attending different educational courses provided by the faculty and leadership development project (FLDP)

a- Research Management	4-7/6/2005
b- New Trends in Teaching	16-19/7/2005
c- Code of Ethics	6-8/8/2005
d- Special Topics in Teaching: Teaching with Technology	24-27/9/2005
e- Writing Scientific Paper and International Publication	28-30/8/2007
f- Preparing Research Project	18-20/9/2007
g- Quality Standards in Teaching	14-15/7/2012
h- The Credit Hour System	18-19/7/2012
i- Strategic Planning	16-17/7/2014
j- Crises & Disasters Management	23-24/7/2014
k- University Legal & Financial Aspects	9-10/8/2014
l- Research Ethics	13-14/8/2014

3- Non Conventional Methods for Optimization in Experimental Studies

Course, February 16, 2010, organized by the Science Park, Faculty of Pharmacy, University of Alexandria.

4- Basics and Applications of High Performance Liquid and Gas Chromatography (HPLC and GC) in Medical Biochemistry Course and Workshop, April 12-15, 2010, held at the Medical Technology Center, Medical Research Institute, University of Alexandria.

5- Basic Statistical Techniques Using SPSS Course and Workshop, February 15-16, 2012, held at the Medical Technology Center, Medical Research Institute, University of Alexandria.

6- "Computers, Data Management, Database, and their applications in Environmental Biotechnology"
Provided by University of Alexandria Research Center, during the period 26-31 March, 1994.

7- "Course specifications" A workshop presented by Prof. Dr. Azza Gazy – Faculty of Pharmacy- Alexandria University on 18/6/2008.

8- "Annual course reports" A workshop presented by Prof. Dr. Nourhan Fanaki – Faculty of Pharmacy- Alexandria University on 22/6/2008.

9- "Comparison between the academic standards of the faculty of pharmacy, Alexandria University and the national academic reference standards for the pharmacy sector" A workshop presented by Prof. Dr. Nawal Khalafallah – Faculty of Pharmacy- Alexandria University on 1/4/2009.

10- " Vision for students evaluation" A workshop presented by Prof. Dr. Salah El Kharashy – professor at the faculty of education, Alexandria University on 13/5/2009.

11- " How to prepare a written exam and the different methods for students evaluation including oral, practical exams and semester work" A workshop presented by Prof. Dr. Mohamed El Kersh – professor and vice dean at the faculty of education, Alexandria University on 16/12/2010 and 19/12/2010.

VI- Seminars and Lectures

Attending different seminars and lectures

1- A lecture entitled: "Swine Flu" presented by Prof. Dr. Abdelaziz Saleh on 10/10/2009.

2- A lecture entitled: " Protection of intellectual rights" presented by Prof. Dr. Abdallah Zein Eldin on 27/10/2010.

- 3- A lecture entitled: " Application of IR Spectroscopy in Pharmaceutical Industry" presented by Prof. Dr. Omaina Aboul Wafa on 11/12/2010.
- 4- A lecture entitled: " Quality assurance and accreditation. Where are we from?" presented by Prof. Dr. Saleh Khalil on 25/2/2012.
- 5- Attending symposia on "The effect of Islamic values on solving personal conflicts inside the Egyptian institutions" presented by Dr. Shereen Hassan Abbas on 8/11/2012 and 24/11/2012.
- 6- Attending seminars on "Ocean Chemistry" and "Analytical Chemistry in Forensic Toxicology" presented by pharmacists Miranda Fawzi and Ola El Roubi on 16/2/2013.
- 7- Attending the "Faculty Research Day" in 22/2/2014.
- 8- Attending the event organized by Shababsah family in collaboration with the team of the project funded by the Research Enhancement Program (Alex Rep) about counterfeit medicines in Egypt and the role of the pharmacists.
- 9- Attending a lecture entitled: "Modern advances in the use of polysaccharide-based chiral selectors in HPLC analysis" presented by Dr. Hadir Shalaby on 23/6/2014.
- 10- Attending a lecture entitled: "The Capstone Experience in Action Learning" presented by Dr. Hadir Shalaby on 25/6/2014.
- 11- Attending a lecture entitled: "Stacking as a versatile online pre-concentration technique in Microemulsion micellar electrokinetic chromatography (MEEKC)" presented by Dr. Hadir Shalaby on 15/6/2015.

VII- Conferences

1- Conference Name: Fourth International Conference on Artificial intelligence Applications.

Date: January 16-19, 1996

A paper was presented .

Title: The Use of Fourier Descriptors for the spectrophotometric identification of some benzenoid compounds.

Mohamed A. Korany, Ezzat A. Korany, Mona M. Bedair, Ismail I. Hewala and **Rim S.**

2-Conference Name: The Third Annual Meeting of the Association of Colleges of Pharmacy in the Arab World .

Location: Tanta university

Date: 14-16 October, 1999

A paper was presented as a poster.

Title: Kinetic study for the hydrolysis of indapamide and its assay in tablets fluorimetrically.

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

3-Conference Name: The World Congress of Pharmacy and Pharmaceutical Sciences, 61st International Congress of FIP

Location: Singapore

Date: 1-6 September 2001.

A paper was presented as a poster.

Title: Polarographic and spectrophotometric determination of some drugs through nitrosation and study of formation of nitroso derivatives in simulated gastric juice.

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

4-Conference Name: First Scientific Conference of Faculty of Pharmacy Cairo University. "Pharmacy Role in Community Health Promotion"

Location: Cairo – Egypt.

Date: March 29th 2008

A paper was presented as a poster by Dr.Rim Haggag.

Title: 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

5-Conference Name: BioVision Alexandria 2008. "New Life Sciences: From Promises to Practice"

Location: Alexandria – Egypt.

Date: 12 – 16 April 2008

6- Conference Name: The First International Conference for Quality assurance & Accreditation Center.

Location: Cairo University

Date: April 2008

7- Conference Name: The International conference BioVision Alexandria 2010 organized in partnership with the world Life sciences forum, " New Life Sciences: Future Prospects".

Location: Alexandria – Egypt.

Date: 11 – 15 April 2010

8- Conference Name: Pittsburgh Conference on Analytical Chemistry and Applied Spectroscopy (Pittcon 2011 Conference and Exposition)

Location: Atlanta, Georgia, USA

Date: March 13-17, 2011.

A paper was presented as a poster.

Title: 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**.

9- Conference Name : 3rd Scientific Conference of Faculty of Pharmacy Cairo University on "Good Pharmacy Practice".

Location: Cairo-Egypt

Date: April 25th – 26th, 2012.

A paper was presented as a poster.

Title: Development and Validation of a Stability-Indicating HPLC- DAD Method for the Determination of Amikacin sulphate after Pre-column Derivatization Reaction.

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

10- Conference Name: 38th International Symposium on High Performance Liquid Phase Separations and Related techniques (HPLC 2012)

Location: Anaheim, California, USA

Date: June 16-21, 2012.

A paper was presented as a poster.

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

Rim S. Haggag and Tarek S. Belal.

11- Conference Name: " International Conference on Pharmacy and Pharmaceutical Sciences, Dubai, UAE.

Location: Dubai, UAE

Date: October 8-9, 2012.

A paper was presented as a poster.

Title: Stress Degradation Study on Ribavirin and Development of a Validated Stability Indicating HPLC-DAD Method for its Determination in Pharmaceutical Preparations and Human Plasma.

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

12- Conference Name: BioVision Alexandria 2014. "New Life Sciences: The Next Decade".

Location: Alexandria – Egypt.

Date: 7 – 9 April 2014

13- Conference Name: Scientific Conference of Faculty of Pharmacy
Alexandria University.

Location: Faculty of Pharmacy, Alexandria – Egypt.

Date: 12 – 16 September 2010

14- Conference Name : 6th International Scientific Conference of Faculty of
Pharmacy, Cairo University.

Location: Cairo-Egypt , Conference Center, University Hostel, Cairo
University.

Date: April 25th – 26th, 2015.

A paper was presented as a poster.

Title: Spectrophotometric And Spectrofluorimetric Determination Of Mesna,
Acetylcysteine And Timonacic Acid Through The Reaction With
Acetoxymmercuri Fluorescein

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

15- Conference Name : 3rd FUE International Conference of Pharmaceutical
Sciences.

Location: Intercontinental City Stars Hotel, Nasr City, Cairo-Egypt.

Date: February 9th – 11th, 2015.

A paper was presented as a poster.

Title: Validated HPLC - DAD and HPLC-FLU Methods for Simultaneous
Determination of Granisetron and Domperidone in Pharmaceutical
Formulations and in Plasma

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

16- Conference Name : First PUA International Conference on Advances in
Pharmaceutical Sciences (1st PUA- ICAPS)

Location: Faculty of Pharmacy and Drug Manufacturing
Pharos University in Alexandria, Egypt

Date: October 27th – 29th, 2015.

A paper was presented as a poster.

Title: Spectrophotometric determination of the sulfhydryl containing drug
mesna.

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

17- Conference Name : Euroanalysis XVIII (18th Edition of Euroanalysis)
The European Conference on Analytical Chemistry

Location: Bordeaux, France

Date: September 6th – 10th, 2015.

A paper was presented as a poster.

Title: Validated HPLC-DAD and HPLC FLU methods for simultaneous
determination of granisetron and domperidone in pharmaceutical formulations
and in plasma

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

VIII- Research Projects

The participation in a research project funded by Alexandria University
Research Fund (AURF)
Research Enhancement Program (ALEX REP) 2011-2012

Project Title:

**"Counterfeit medicines in Egypt:
Analysis of the current situation and enhancement of the pharmacist
contribution to national combating efforts"**

My Role: a member of the "Project Implementation Team"

Responsibility in Project Implementation: Analysis of samples of
counterfeited and suspected products obtained from different sources by
developing simple qualitative and quantitative methods of analysis that could
be applied in low-income countries of limited resources like Egypt .

IX- List of Publications

A-Thesis and Dissertations:

Master Thesis:

“Analysis of certain Benzenoid Compounds in their Pharmaceutical
Preparations”

Ph. D. Dissertation:

“Instrumental Analysis of some Antioxidant and Antiarteriosclerotic Drugs”

B- Papers:

Publications abstracted from M. Pharm. Thesis :

- 1- The Use of Fourier Descriptors for the spectrophotometric identification
of some benzenoid compounds.
Mohamed A. Korany, Ezzat A. Korany, Mona M. Bedair, Ismail I.
Hewala and **Rim S. Haggag**
Anal. Letters, 31(8), 1387-1406 (1998).
Accepted for publication in 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).

Publications abstracted from Ph.D. Thesis :

- 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 in 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.
- 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 in 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).

Publications presented for promotion to assistant professor of pharmaceutical analytical chemistry :

- 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).

Publications after appointment as assistant professor of pharmaceutical analytical chemistry :

- 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 in 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**, Saeid 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, Advance Access published September 4, 2013
doi:10.1093/chromsci/bmt126
52(8), 837- 847 (2014).
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, 51, 211–219, (2013).
(2015), <http://dx.doi.org/10.1016/j.bfopcu.2015.12.002>.
Presented as a poster at the First PUA International Conference on Advances in Pharmaceutical Sciences (1st PUA- ICAPS).
October 27th – 29th, 2015.

Papers submitted for publication:

- 1- 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

X- Awards and International recognition:

- Five research articles have been awarded by Alexandria University for being published in top 50 % journals (according to Red Jasper or ISI ranking)
- 1- 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).
 - 2- 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).
 - 3- 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).
 - 4- 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).
 - 5- 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).
- Three research articles have been awarded by Alexandria University for being published in lower 50 % journals (according to Red Jasper or ISI ranking)
- 1- 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).
- 2- Selective Stability-Indicating Methods for the Determination of Clonidine Hydrochloride and/or its Related Substance, 2,6-Dichloroaniline.
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- **Best Poster award** in the First Scientific Conference of Faculty of Pharmacy Cairo University. "Pharmacy Role in Community Health Promotion" Which was held on March 29th 2008.
 - Included in the **2000 Outstanding Intellectuals of the 21st Century- 2011-Cambridge-England.**
 - Included in **Who's Who in Science and Engineering 2011-2012 – 11th Edition, 2012-2013 and 2014-2015.**