

Contact Info:

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**Biographical
sketch:**

(Academic Degrees-
Fellowships and
Associations)

October 2016 till now

Professor of Pharmaceutical Analytical
Chemistry, Department of Pharmaceutical
Analytical Chemistry, *Faculty of Pharmacy and
Drug Manufacturing, Pharos University.*

June 2016 till September 2016

Professor of Pharmaceutical Analytical
Chemistry, Department of Pharmaceutical
Analytical Chemistry, *Faculty of Pharmacy,*

Alexandria University.

January 2011 to June 2016

Assistant professor of Pharmaceutical Analytical Chemistry, Department of Pharmaceutical Analytical Chemistry, *Faculty of Pharmacy, Alexandria University.*

January 2006 to January 2011

Lecturer of Pharmaceutical Analytical Chemistry, Department of Pharmaceutical Analytical Chemistry, *Faculty of Pharmacy, Alexandria University.*

June 1998 to January 2006

Assistant Lecturer of Pharmaceutical Analytical Chemistry, Department of Pharmaceutical Analytical Chemistry, *Faculty of Pharmacy, Alexandria University.*

October 1994 to April 1998

Demonstrator of Pharmaceutical Analytical Chemistry, Department of Pharmaceutical Analytical Chemistry, *Faculty of Pharmacy, Alexandria University.*

Publications:

A. Thesis and Dissertation:

Master Thesis: *“Analysis of some selected drugs acting on the cardiovascular system”.*

Faculty of Pharmacy, University of Alexandria, Egypt, 1998.

Ph.D. Dissertation: *“Analysis of some drugs used in the treatment of cardiovascular disturbances”.*

Faculty of Pharmacy, University of Alexandria,

Egypt, 2005.

B. Papers:

1. Spectrophotometric and Spectrofluorimetric Methods For The Determination of Terazosin In Dosage forms.H.H. Abdine, F.A. El-Yazbi, S.M. Blaih and **R.A. Shaalan**, Spectroscopy Letters, 31(5), 969-980, (1998).
2. Spectrophotometric determination of ternary mixtures by the derivative ratio spectrum – zero crossing method, Fawzy A. El- Yazbi, Heba H. Abdine and **Rasha A. Shaalan**, Spectroscopy Letters, 31(7), 1403-1414, (1998).
3. Spectrophotometric and Spectrofluorimetric methods for the assay of lisinopril in single and multicomponent pharmaceutical dosage forms. Fawzy A. El-Yazbi, Heba H. Abdine and **Rasha A. Shaalan**. Journal of Pharmaceutical and

Biomedical Analysis, 19, (1999), 819-827.

4. Spectrophotometric methods for the determination of benazepril hydrochloride in its single and multicomponent dosage forms. Fawzy A. El-Yazbi, Heba H. Abdine and **Rasha A. Shaalan**. Journal Of Pharmaceutical and Biomedical Analysis, 20, (1999), 343-350.
5. Direct-, differential solubility- and compensatory- derivative spectrophotometric methods for resolving and subsequently determining binary mixtures of some antihypertensive drugs, H.H.Abdine, F.A. El-Yazbi, **R.A.Shaalan** and S.M. Blaih, S.T.P. Pharma Sciences 9(6), 587-591, (1999).
6. Spectrophotometric Determination of enalapril maleate and Ramipril in Dosage forms, salah M. Blaih, Heba H. Abdine, Fawzy A. El-Yazbi and **Rasha A. Shaalan**. Spectroscopy Letters, 33 (1),

91- 102, (2000).

7. Kinetic Spectrophotometric determination of atenolol, metoprolol tartarate and timolol maleate in pharmaceutical preparations, Saied F. Belal, Rim S. Haggag, Ekram M. Hassan and **Rasha A. Shaalan**, Bull Fac. Pharm. Cairo Univ., 42(2), 359-370, (2004).
8. The use of an aromatic substitution reaction in the spectrophotometric determination of Selected Amino or Thiol Containing Drugs, Saied Fathalla Belal, Rim Said Haggag and **Rasha Abdel-Aziz Shaalan**, Journal of Food and Drug Analysis, vol. 16, No. 1, (2008). (*Alexandria Univ. Award*)
9. Differential pulse polarographic Determination of clonidine hydrochloride and fosinopril sodium in pharmaceutical preparations through labelling using nitro derivatives, Rim Said

Haggag, Saied Fathalla Belal, and **Rasha Abdel-Aziz Shaalan**, Bull Fac. Pharm. Cairo Univ., 46(1), 271-282, (2008).

10. Derivatization with 4-Chloro-7-nitro-2,1,3-benzoxadiazole for the spectrophotometric and differential pulse polarographic determination of acetylcysteine and captopril, Rim Haggag, Saied Belal and Rasha Shaalan, Sci Pharm. 76 : 33- 48, (2008).

11. The use of 4- chloro- 7- nitro-2, 1,3- benzoxadiazole for the determination of amlodipine bezylate 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).

12. Selective stability- indicating methods for the determination of clonidine hydrochloride and

/ or its related substance 2,6- dichloroaniline.
Rim Said haggag, Saied Fathallah Belal, **Rasha Abdel Aziz Shaalan** ; Journal of Food and Drug Analysis, Vol. 19, No. 2, 2011, Pages 174-182. (*Alexandria Univ. Award*)

13. Selective and Stability- indicating methods for the simultaneous determination of Mexiletine Hydrochloride and/or Its Related substances, 2,6- Dimethyl phenol, Tarek S. Belal, Rim S. Haggag, and **Rasha A. Shaalan**, Journal of AOAC International, Vol. 91, No. 4, 720-730 (2008). (*Alexandria Univ. Award*)
14. Improved Spectrofluorimetric Methods for determination of penicillamine in capsules. **Rasha A. Shaalan**, Cent. Eur. J. Chem. 8(4), 892-898, (2010). (*Alexandria Univ. Award*)
15. Spectrofluorimetric and Spectrophotometric determination of Pregabalin in capsules and

urine samples. **Rasha A. Shaalan**, IJBS, 6(3), 260-267, (2010).

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 Int., 93(4), 1192 – 1200, (2010). *(Alexandria Univ. Award)*
17. HPLC-DAD stability indicating determination of nitrofurazone and lidocaine hydrochloride in their combined topical dosage form. **Rasha A. Shaalan** and Tarek S. Belal; Journal of Chromatographic Science, vol. 48, 647-653, september 2010. *(Alexandria Univ. Award)*. Presented in EAS Conference, Nov. 2009.
18. Simultaneous Spectrofluorimetric

Determination of Amlodipine Besylate and Valsartan in their Combined Tablets. **Rasha A. Shaalan** and Tarek S. Belal; Drug Testing and Analysis 2010, 2, 489-493, first published online 24 September 2010, DOI : 10.1002/dta.160. (*Alexandria Univ. Award*)

19. 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; JOURNAL OF AOAC INTERNATIONAL VOL. 94, NO. 2, 2011. (*Alexandria Univ. Award*)

20. Selective DAD-HPLC Methods for the Determination of Tenofovir fumarate and Emtricitabine in Bulk Powder and in Tablets. Mohammad H. AbdelHay, Azza A. Gazy, **Rasha A. Shaalan** and Heba K. Ashour. *Acta Chromatographica* 27(2015)1, 41–54.

DOI:

10.1556/ACHrom.27.2015.1.4(Alexandria Univ. Award)

21. Gradient HPLC-DAD determination of the antihypertensive mixture of amlodipine besylate, valsartan and hydrochlorothiazide in their combined pharmaceutical tablets. Tarek S. Belal and **Rasha A. Shaalan** ; poster presentation for *Pittsburgh Conference on Analytical Chemistry and Applied Spectroscopy* (Pittcon 2011 Conference and Exposition); published in *Journal of Liquid Chromatography & Related Technologies*, 35: 215–230, 2012. DOI: 10.1080/10826076.2011.597071. (*Alexandria Univ. Award*)
22. Validated stability- indicating HPLC and HPTLC methods for the determination of

Ritonavir in bulk powder and in capsules. Mohammad H. AbdelHay, Azza A. Gazy, **Rasha A. Shaalan** and Heba K. Ashour ; poster présentation for *Pittsburgh Conference on Analytical Chemistry and Applied Spectroscopy* (Pittcon 2012 Conference and Exposition) Orlando, USA, March 11-15, 2012. Journal of Food and Drug Analysis, Vol. 20, No. 4, 2012, Pages 963-973. doi:10.6227/jfda.2012200428.
(Alexandria Univ. Award)

23. HPLC-DAD Stability Indicating Determination of the Fixed-Dose Combination of Diclofenac sodium and Diflunisal in Their Combined Dosage Form. Tarek S. Belal and **Rasha A. Shaalan** ; 10.3797/scipharm.1301-24. Scientia Pharmaceutica 2013; 81: 713–731.
24. Validated Stability-Indicating HPLC-DAD Method of Analysis for the Antihypertensive

triple Mixture of Amlodipine Besylate, Valsartan and Hydrochlorothiazide in their Tablets. **Rasha Shaalan**; Tarek S Belal; Fawzy El-yazbi; Sohila M El-Onsy, [10.1016/j.arabjc.2013.04.012](https://doi.org/10.1016/j.arabjc.2013.04.012) Arabian Journal of Chemistry.

25. Validated Stability-Indicating HPLC-DAD Method of Analysis for the Antihypertensive binary Mixture of carvedilol and Hydrochlorothiazide in Tablet dosage forms. Tarek S Belal; **Rasha Shaalan**; Fawzy El-yazbi; Sohila M El-Onsy, *Chromatographia* (2013) 76:1707–1720 DOI 10.1007/s10337-013-2537-0. (*Alexandria Univ. Award*)

26. 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 Vol. 3 (07), pp. 038-047, July, 2013 Available online at <http://www.japsonline.com> DOI: 10.7324/JAPS.2013.3708.

27. Simple spectrophotometric methods for determination of tenofovir fumarate and emtricitabine in bulk powder and in tablets. Mohammad H. AbdelHay, Azza A. Gazy, **Rasha A. Shaalan** and Heba K. Ashour. Journal of Spectroscopy Volume 2013, Article ID 937409, 7 pages <http://dx.doi.org/10.1155/2013/937409>.
28. Application of a new simple spectrophotometric method for determination of the binary mixtures of hydrochlorothiazide with either carvedilol or losartan potassium in tablets dosage forms. Tarek s Belal, Rasha A Shaalan, Fawzy A El Yazbi and sohila M El-Onsy. Der Pharma

Chemica, 2014, 6(4):120-129.

29. Validated HPTLC methods for determination of some selected antihypertensive mixtures in their combined dosage forms. Rasha A Shaalan, Tarek s Belal, Fawzy A El Yazbi and sohila M El-Onsy. Bulletin Faculty of Pharmacy Cairo Univ (2014), <http://dx.doi.org/10.1016/j.bfopcu.2014.07.001>.

30. 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.

EUROANALYSIS XVIII (The European Conference on Analytical Chemistry) 2015, held in Bordeaux, France, 6th - 10th

September 2015.

Academic Research Interests:

- *Drug Analysis.*
- *Operating modern instruments and analytical problem solving using different analytical techniques: UV/ Vis. Spectrophotometry, Fluorimetry, HPLC, HPTLC and electrochemical techniques.*
- *A reliable, skilled and dynamic researcher with experience and record of achievements.*