

Curriculum Vitae

Name: Ibrahim Ahmed Naguib

Nationality: Egyptian **Date of birth:** Nov 9th, 1979

Current position: Associate Professor of Pharmaceutical Analytical Chemistry, Faculty of Pharmacy, Beni-Suef University, Beni-Suef, Egypt.

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https://scholar.google.com/citations?view_op=list_works&hl=en&gmla=AJsN-F5E7Z-1Dl3C0EodHffike9ytKPLSkSRgZIY4pN6KjlnmWFtCbfrV-15sz9lIEiKSPXsfj2huC9nin5ddA9dzH2obG6QfPftgerJFQLaRcM0bAOtuA&user=DVgL8jwAAAJ

Research gate account:

https://www.researchgate.net/profile/Ibrahim_Naguib?ev=hdr_xprf

Linkedin account:

https://eg.linkedin.com/in/ibrahim-naguib-058688173?trk=people-guest_profile-result-card_result-card_full-click

Educational history:

- **PhD degree of pharmaceutical sciences** (Analytical Chemistry), Faculty of Pharmacy, Beni-Suef University, December 2009 (with 2 years study experience in Bristol, UK).
- **Master degree of pharmaceutical sciences** (Analytical Chemistry), Faculty of Pharmacy, Cairo University, January 2007.
- **Bachelor of pharmaceutical sciences** (Excellent with honor), Faculty of Pharmacy, Cairo University, Beni-Suef Branch, May 2001.

Teaching experience:

Demonstrator of Analytical Chemistry (March 2003 –December 2006), associate lecturer of Analytical Chemistry (January 2007-December 2009), Assistant Professor of Analytical Chemistry (January 2010 – march 2015) and finally Associate Professor of Pharmaceutical Analytical Chemistry (April 2015 till now). Teaching for both undergraduate and postgraduate students, supervising several master and PhD students, and working as academic advisor as well.

Scientific courses and lectures of Specialty:

- General chemistry
- Qualitative analysis (analysis of cations and anions)
- Volumetric analysis (acid-base titrimetry, precipitometry, complexometry, redox analysis)
- Instrumental analysis (principles and applications of different instrumental techniques in pharmaceutical analysis e.g. Spectroscopic methods (spectrophotometry, Spectrofluorimetry, Atomic absorption...etc), chromatographic methods (HPLC, GC, TLC...etc), electrochemical methods (conductometry, potentiometry...etc)).
- Chemometric courses (Experimental design, multivariate calibration, pattern recognition and Multivariate statistical process control for pharmaceutical industry)
- Quality control and quality assurance in pharmaceutical industry.

Research Interest:

Pharmaceutical Analytical Chemistry:

- Chromatographic methods (including HPLC and HPTLC),
- Spectrophotometric methods and spectrofluorimetric methods
- Specialist in Chemometrics and Data Analysis (2 years experience 2007-2009 in the Center for Chemometrics with professor Richard Brereton (r.g.brereton@bristol.ac.uk), University of Bristol, UK, through a joint scholarship scheme funded by the Egyptian govt.).
- The main research applications are focused on analysis of APIs in raw materials, pharmaceutical products and biological fluids, whether in mixtures or in presence of impurities and degradation products.

Publications in analytical chemistry:

1. B.H. Anwar, N.S. Abdelhamid, M.A. Magdy and I.A. Naguib, Linear Support Vector Regression and Partial Least-Squares for Determination of Dapoxetine Hydrochloride and Tadalafil in Binary Pharmaceutical Mixtures, **Journal of AOAC International**, DOI:10.5740/jaoacint.19-0069, **2019**
2. B.H. Anwar, N.S. Abdelhamid, M.A. Magdy and I.A. Naguib, A Comparative Chemometric Study for Quantitative Determination of Duloxetine Hydrochloride in presence of its Toxic Impurity 1-Naphthol, **Current Pharmaceutical Analysis**, DOI : 10.2174/1573412915666190709093612, **2019**
3. F.F. Abdallah, E.A. Abdelaleem, A.A. Emam and I.A. Naguib , Determination of Pyridostigmine Bromide in presence of its related Impurities by Four Modified Classical

- Least Square Based Models: A Comparative Study, **Current Pharmaceutical Analysis**, DOI : 10.2174/1573412915666190715094347, **2019**
4. I.A. Naguib , E.A. Abdelaleem , A.A. Emam and F.F. Abdallah, Green Simultaneous Chromatographic Separation of Pyridostigmine Bromide and Its Related Substances in Pure Form, Tablets and Spiked Human Plasma., **Journal of Chromatographic Science**, doi: 10.1093/chromsci/bmz043, **2019**
 5. I.A. Naguib, N. Abo Elyazid, F.A. Elroby and M.R. Elghobashy, Stability indicating spectrophotometric methods for quantitative determination of carbamazepine and its degradation product, iminostilbene, in pure form and pharmaceutical formulations, **Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy**, 214, 21-31, **2019**, DOI: 10.1016/j.saa.2019.01.080
 6. E.A. Abdelaleem, A.A. Emam, I.A. Naguib, F.F. Abdallah' Novel Manipulations of Ratio Spectra as Powerful Tools for Resolution and Quantitative Determination of Pyridostigmine Bromide and Its' Related Substances; A comparative study, **Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy**, <https://doi.org/10.1016/j.saa.2018.11.011>, 210, 66-75, **2019**
 7. I.A. Naguib, E.A. Abdelaleem, H.E. Zaazaa, E.A. Hussein and I. Alsalahat , Development and validation of spectrophotometric methods for the determination of amoxicillin trihydrate and dicloxacillin sodium in their binary mixture, **Analytical Chemistry Letters**, 8(6), 844-861, **2018**
 8. I.A. Naguib, E.A. Abdelaleem, E.S. Hassan & N.W. Ali, HPTLC method for Simultaneous Determination of Norfloxacin and Tinidazole in presence of Tinidazole Impurity, **Journal of Chromatographic Science**, doi: 10.1093/chromsci/bmy085, 57(1), 81-86, **2018**
 9. A.S. Saad, I.A. Naguib, M.E. Draz, H.E. Zaazaa and A.S. Lashien, Studying the Effect of Membrane Thickness on the Performance of Green ISE-Potentiometric Sensors: Application to Ritodrine HCl and Its Active Impurity, Tyramine, **Journal of The Electrochemical Society**, 165(11): H764-H769, **2018**
 10. H.W. Darwish, I.A. Naguib, I.A. Darwish, Five modified classical least squares based models for stability indicating analysis of cyclobenzaprine HCl with its major degradation products: A comparative study, **Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy**, **2018**, <https://doi.org/10.1016/j.saa.2018.06.101>, 204, 598-602, **2018**
 11. E.A. Abdelaleem, I.A. Naguib, S.A. Farag, and H.E. Zaazaa, Reversed phase high performance liquid chromatography and high performance thin layer liquid chromatography methods for simultaneous determination of Theophylline, Guaifenesin and Guaifenesin impurity (Guaiaicol) in their bulk powders and in dosage form, **Journal of Chromatographic Science**, 56(9), 846-852, **2018**, doi: 10.1093/chromsci/bmy062
 12. I.A. Naguib, E.A. Abdelaleem, A.A. Emam, N.W. Ali and F.F. Abdallah, Development and validation of HPTLC and Green HPLC methods for Determination of Furosemide, Spironolactone and Canrenone, in Pure forms, Tablets and Spiked Human Plasma, **Biomedical Chromatography**, 32(10), e4304, **2018**, DOI: 10.1002/bmc.4304
 13. N.A. Ali, M.M. Abdelrahman, I.A. Naguib and M.R. El Ghobashy, Stability indicating HPLC and HPTLC methods for determination of agomelatine and its degradation products, **Journal of Chromatographic Science**, doi: 10.1093/chromsci/bmx114, 56(4), 317-326, **2018**

14. M.M Abdelrahman, I.A Naguib, M.A. Elsayed, H.A Zaazaa, Chromatographic Methods for Quantitative Determination of Ampicillin, Dicloxacillin and Their Impurity 6-Aminopenicillanic Acid, **Journal of Chromatographic Science**, <https://doi.org/10.1093/chromsci/bmx101>, 56(3), 209-215, **2018**
15. A.A. Emam, E.A. Abdelaleem, I.A. Naguib, F.F. Abdallah, N. Ali, Successive ratio subtraction as a novel manipulation of ratio spectra for quantitative determination of a mixture of furosemide, spironolactone and canrenone, **Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy**, 192, 427–436, **2018**
16. M.M. Abdelrahman, I.A. Naguib, H.M. Nagieb, H.E. Zaazaa, Different spectrophotometric methods for determination of miconazole nitrate and hydrocortisone in bulk and in topical pharmaceutical preparation without prior separation, **Chemistry Research Journal**, 2(2), 56-65, **2017**
17. I.A. Naguib, Improved predictions of nonlinear support vector regression and artificial neural network models via preprocessing of data with orthogonal projection to latent structures: A case study, **Bulletin of Faculty of Pharmacy, Cairo University**, 55. 287–291, **2017**
18. H.Fahim, W.El Roubay, A. El-Gendy, A.Khairalla, I.A. Naguib, and A. Farghali, Enhancement of the productivity of the potent bacteriocin avicin A and improvement of its stability using nanotechnology approaches, **Scientific Reports**, DOI: 10.1038/s41598-017-10157-9, 7(1):10604, **2017**
19. A.S. Saad, I.A. Naguib, M.E. Draz, H.E. Zaazaa, A.S. Lashin, Validated Analytical Methods for the Determination of Drugs Used in the Treatment of Hyperemesis Gravidarum in Multiple Formulations, **Journal of AOAC International**, 101(2), 427-436, **2017**
20. I.A. Naguib, E.A. Abdelaleem, S.A. Farag & H.E. Zaazaa, Simultaneous determination of Guaifenesin, Salbutamol Sulfate or Dextromethorphan HBr and Guaifenesin impurity (Guaiaicol) by HPTLC Method, **Analytical Chemistry Letters**, <http://dx.doi.org/10.1080/22297928.2017.1325778>, 7(2),142-152, **2017**
21. M.M. Elkhoudary, I.A. Naguib, R.A. Abdel Salam and G.M. Hadad, Comparison between two linear supervised learning machines' methods with principle component based methods for the spectrofluorimetric determination of Agomelatine and its degradants, **Journal of Fluorescence**, DOI 10.1007/s10895-017-2050-1, 27(3), 1149-1160, **2017**
22. M.E. Abou Kull and I.A. Naguib, Simultaneous Determination of Hydrochlorothiazide and its Impurities (Chlorothiazide and Salamide) in a Quaternary Mixture with Candesartan Cilexetil by HPTLC Method, **Current Pharmaceutical Analysis**, 13(2), 188-194, DOI: 10.2174/1573412911666151020003509, **2017**
23. N.F. Farid, I.A. Naguib, R.S. Moatamed, and M.R. El-Ghobashy, TLC-densitometric and RP-HPLC methods for simultaneous determination of Dexamethasone and Chlorpheniramine maleate in presence of methyl and propyl paraben, **Journal of AOAC International**, 100(1), 51-58, **2017**
24. M.M. Abdelrahman, I.A. Naguib, M.A. Elsayed and H.A. Zaazaa, Spectrophotometric Methods for Quantitative Determination of Chlorhexidine Gluconate and its Major Impurity, Metabolite and Degradation Product: Para-chloro-aniline, **Analytical Chemistry letters**, 6(3), 232-248, **2016**

25. N.F. Farid, I.A. Naguib, R.S. Moatamed, and M.R. El-Ghobashy, Development and validation of spectrofluorimetric method for determination of diflunisal and its impurity, **European Journal of Chemistry**, 7 (2), 201-205, **2016**
26. I.A. Naguib, E.A. Abdelaleem, H.E. Zaazaa and E.A. Hussein, Partial Least Squares and Linear Support Vector Regression Chemometric models for Simultaneous Determination of Amoxicillin Trihydrate and Dicloxacillin Sodium in Presence of Their Common Impurity, **Journal of AOAC international**, 99(4), 1-8, **2016**.
27. I.A. Naguib and H.W. Darwish, Determination of cefoperazone sodium in presence of related impurities by improved classical least squares chemometric methods: a comparative study, **Journal of Chemistry**, Volume 2016, Article ID 7570643, 8 pages, **2016**.
28. N.A. Ali, M.M. Abdelrahman, I.A. Naguib and M.R. El Ghobashy, Least-Squares Regression and Spectral Residual Augmented Classical Least-Squares Chemometric Models for Stability-Indicating Analysis of Agomelatine and Its Degradation Products: A Comparative Study, **Journal of AOAC International**, DOI: <http://dx.doi.org/10.5740/jaoacint.15-0286>, 99(2), 386-395, **2016**
29. E.A. Abdelaleem, I.A. Naguib, E.S. Hassan & N.W. Ali, Development and Validation of Three Spectrophotometric Methods for Simultaneous Determination of Paracetamol and Pamabrom in Bulk and Pharmaceutical Formulation, **Analytical Chemistry Letters**, DOI: <http://dx.doi.org/10.1080/22297928.2016.1138882>, 6 (1), 13 – 23, **2016**
30. I.A. Naguib, E A. Abdelaleem, F.F. Abdallah & N.W. Ali, Development and Validation of Three Spectrophotometric Methods for Determination of Cyclobenzaprine Hcl in The Presence of its Two Major Degradation Products, **Analytical Chemistry Letters**, DOI: <http://dx.doi.org/10.1080/22297928.2016.1153432>, 6 (1), 24 – 34, **2016**
31. E.A. Abdelaleem, I.A. Naguib, H.E. Zaazaa, and E.A. Hussein, Development and Validation of HPLC and HPTLC Methods for Determination of Cefoperazone and Its Related Impurities, **Journal of Chromatographic Science**, doi: 10.1093/chromsci/bmv125, 54(2):179-86. **2016**
32. H.W. Darwish, A.H. Bakheit, and I.A. Naguib, Comparative Study of Novel Ratio Spectra and Isoabsorptive Point Based Spectrophotometric Methods: Application on a Binary Mixture of Ascorbic Acid and Rutin, **Journal of Analytical Methods in Chemistry**, Article ID 2828647, 12 pages, <http://dx.doi.org/10.1155/2016/2828647>, Volume **2016**
33. H.W. Darwish, I.A. Naguib and A.H. Bakheit. Stability Indicating Spectrofluorimetric Analysis of Metopimazine by Signal Enhanced - Partial Least Squares Chemometric Models: a Comparative Study, **Current Pharmaceutical Analysis**, DOI: 10.2174/1573412912666151207185931, 12(3), 234-243, **2015**
34. M.M. Abdelrahman, I.A. Naguib, M.A. Elsayed and H.A. Zaazaa, Three Spectrophotometric Methods for Simultaneous Determination of Ampicillin and Dicloxacillin in Presence of Their Major Impurity 6-Aminopenicillanic Acid, **Austin Journal of Analytical and Pharmaceutical Chemistry**, 2(5): 1050, **2015**
35. I.A. Naguib, E.A. Abdelaleem, H.E. Zaazaa, and E.A. Hussein, Determination of Cefoperazone Sodium in Presence of Related Impurities by Linear Support Vector Regression and Partial Least Squares Chemometric Models, **Journal of Analytical Methods in Chemistry**, , Article ID 593892, 8 pages, <http://dx.doi.org/10.1155/2015/593892>, Volume **2015**

36. E.A. Abdelaleem , I.A. Naguib, F.F. Abdallah and N.W. Ali, Development and validation of three spectrophotometric methods for determination of pyridostigmine bromide in the presence of its alkaline-induced degradation product, **European Journal of Chemistry**, 6 (3), 350-356, **2015**
37. I.A. Naguib, E.A. Abdelaleem, M.E. Draz and H.E. Zaazaa, Development and Validation of RP-HPLC Method for Determination of Hydrochlorothiazide, Amiloride Hydrochloride and Related Impurities in Bulk and Pharmaceutical Dosage Forms, **Analytical Chemistry Letters**, 5 (2), 85 – 93, **2015**
38. N.W. Ali, E.A. Abdelaleem, I.A. Naguib, and F.F. Abdallah, Development and Validation of a Stability-Indicating High-Performance Thin-Layer Chromatographic Method for Determination of Pyridostigmine Bromide in the Presence of Its Alkaline-Induced Degradation Product, **Journal of Planar Chromatography**, 28 (4), 316–322, **2015**
39. E.A. Abdelaleem, I.A. Naguib, E.S. Hassan and N.W. Ali, HPTLC and RP-HPLC methods for simultaneous determination of Paracetamol and Pamabrom in presence of their potential impurities, **Journal of Pharmaceutical and Biomedical Analysis**, 114, 22-27, **2015**
40. N.A. Ali, M.M. Abdelrahman, I.A. Naguib and M.R. El Ghobashy, Development of Membrane Electrode for the Selective determination of Bromazepam in Tablets and Plasma, **Analytical and Bioanalytical Electrochemistry**, 7, 242-253, **2015**
41. I.A. Naguib, M. M. Abdelrahman, M. R. El Ghobashy and N. A. Ali, HPTLC Method for Quantitative Determination of Zopiclone and Its Impurity, **Journal of Chromatographic Science**, 1–5, doi:10.1093/chromsci/bmv015, 53(8), 1395-1399, **2015**
42. M. M. Abdelrahman, I. A. Naguib, M. R. El Ghobashy and N. A. Ali, Quantitative determination of Zopiclone and its impurity by four different Spectrophotometric methods, **Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy**, 137, 617-624, **2015**
43. I.A. Naguib, E. A. Abdelaleem, M. E. Draz, H. E. Zaazaa, Linear support vector regression and partial least squares chemometric models for determination of Hydrochlorothiazide and Benazepril hydrochloride in presence of related impurities: A comparative study, **Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy**, 130, 350–356, **2014**
44. E. A. Abdelaleem, I. A. Naguib, H. E. Zaazaa and M. E. Draz, Spectrophotometric Methods for Quantitative Determination of Binary Mixture of Hydrochlorothiazide and Amiloride Hydrochloride without Prior Separation, **Asian J. of Biomed. & Pharm. Sci.**, 4 (34); 27-33, **2014**
45. I. A. Naguib, M. M. Abdelrahman, Stability indicating HPTLC method for determination of Metopimazine in pharmaceutical formulation and human plasma, **Beni-Suef University Journal of Basic and Applied Sciences**, 3 (1), 52–62, **2014**
46. I. A. Naguib, E. A. Abdelaleem, H. E. Zaazaa and M. E. Draz, Simultaneous Determination of Hydrochlorothiazide and Benazepril Hydrochloride or Amiloride Hydrochloride in Presence of Hydrochlorothiazide Impurities: Chlorothiazide and Salamide by HPTLC Method, **Journal of Chromatographic Science**, doi:10.1093/chromsci/bmu016, 53(1), 183-188, **2015**

47. I.A. Naguib, E.A. Abdelaleem, H.E. Zaazaa and E.A. Hussein, "Development and validation of stability indicating spectrophotometric and HPTLC methods for determination of acemetacin", **European Journal of Chemistry**, 5 (2), 219-226, **2014**
48. E.A. AbdelAleem, I.A. Naguib, H.E. Zaazaa, M.E. Draz, "Simultaneous determination of some antihypertension drugs in their binary mixtures by simple spectrophotometric methods", **Asian Journal. of Biomedical & Pharmaceutical Sciences**, 03 (25); 5-12, **2013**.
49. I. A. Naguib and H.W. Darwish, Support vector regression and artificial neural network models for stability indicating analysis of mebeverine hydrochloride and sulphiride mixtures in pharmaceutical preparation: A comparative study, **Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy**, 86, 515-526, **2012**.
50. H.W. Darwish and I.A. Naguib, Improved partial least squares models for stability-indicating analysis of mebeverine and sulphiride mixtures in pharmaceutical preparation: A comparative study, **Drug Testing and Analysis**, 5(5), 325-333, **2011**.
51. I.A. Naguib, Stability indicating analysis of bisacodyl by partial least squares regression, spectral residual augmented classical least squares and support vector regression chemometric models: A comparative study, **Bulletin of Faculty of Pharmacy Cairo University**.,49, 91-100, **2011**.
52. I.A. Naguib and M. Abdelkawy, Development and validation of stability indicating HPLC and HPTLC methods for determination of sulphiride and mebeverine hydrochloride in combination, **European Journal of Medicinal Chemistry**.,45, 3719-3725, **2010**.
53. F. H. Metwally, M. Abdelkawy, I.A. Naguib, Development and validation of three stability-indicating methods for determination of bisacodyl in pure form and Pharmaceutical Preparations, **Journal of AOAC International**, 90, 113-127, **2007**.
54. F. H. Metwally, M. Abdelkawy, I.A. Naguib, Determination of nifuroxazide and drotaverine hydrochloride in pharmaceutical preparations by three independent analytical methods, **Journal of AOAC International**, 89, 78-87, **2006**.
55. F. H. Metwally, M. Abdelkawy, I.A. Naguib, Development and validation of three stability indicating analytical methods for determination of metopimazine in pharmaceutical preparation, **Bulletin of Faculty of Pharmacy Cairo University**.,44, 1-15, **2006**.

Conferences:

- **International Conference on Chromatographic Data Visualization** (2008, Winchester, UK).
- **1st International conference of Advanced Basic and Applied Sciences (ABAS, 2012, Hurghada, Egypt)** N.B. Best oral presentation reward and organizer <http://www.uv.edu/en/bsu/item/22626-the-1st-international-conference-on-advanced-basic-applied-sciences-abas>)
- **4th FUE international conference of pharmaceutical sciences** (4th FUE ICPS), 31 Jan – 2 Feb 2017 (New Cairo, Dusit Thani hotel, Egypt), Poster presentation: Improved predictions of nonlinear support vector regression and artificial neural network models via preprocessing of data with orthogonal projection to latent structures: A case study.

- **First International Conference of Pharmaceutical and Medical Sciences of Suez Canal University** 1-2 April 2017 (Cairo, Egypt), Poster presentation: Development and validation of Liquid Chromatography/ Mass Spectrometric method for simultaneous determination of Amoxicillin and Dicloxacillin in binary mixture in presence of their common impurity.
- **2nd Ain Shams University international conference for pharmaceutical sciences ICPASU** November 13th-15th, 2018, Novotel Cairo Airport, poster presentation: Development and validation of Liquid Chromatography/ Mass Spectrometric method for simultaneous determination of Amoxicillin and Dicloxacillin in binary mixture in presence of their common impurity.
- **5th FUE international conference of pharmaceutical sciences (5th FUE ICPS)**, 28-30 Jan 2019 (Royal maxime Kempeniski hotel), invited speaker: Chemometrics and pharmaceutical analysis (29th)

Research funds

- 1- Utility of HPTLC as analytical method for analysis of Candesartan cilexetil and hydrochlorothiazide in presence of its impurities, Tabuk University, deanship of scientific research, project ID: 0096-1436-s. (Co-PI)
- 2- Development of advanced analytical chemometric methods for analysis of cefoperazone in presence of its impurities Tabuk University, deanship of scientific research, project ID: 0054-1436-s. (PI)

General certificates:

- Toefl (iBT score 103/120).
- International Computer driving License (ICDL).
- Certified Trainer and Human Resources developer (CT & HRD) certified by IBCT <http://www.ibct-global.com/Directory.aspx>) 2011.
- Certified Entrepreneurship trainer by ILO 2011.
- UNILEAD training program certificate (DAAD, Germany) 2013-2014.
- Program and course specifications design (NAQAAE) 2017.

Main managerial responsibilities:

- Director of computer center in faculty of pharmacy, Beni-Suef University 2010.
- Director of International Relations Office (IRO) at Beni-Suef University (Oct 2010 – Feb 2012).
- Director of Faculty and Leadership FLDC training centre in Beni-Suef University (Jan 2012 till Oct 2013 <http://www.bsu.edu/TeachingStaff.aspx>).
- General coordinator of “Pathways to higher education” student’s training project in Beni-Suef University (Jan 2012 till Oct 2013 http://www.bsu.edu/New_Details.aspx?Id=4729).

- Deputy Dean of academic affairs in faculty of pharmacy, Tabuk University (UT), Tabuk, Kingdom of Saudi Arabia (2014-2015).

Membership:

- Member in the Egyptian General Syndicate of Pharmacists
- Steering committee member in Beni-Suef Syndicate of Pharmacists, Beni-Suef, Egypt (2011-2013).
- Internationally Certified Trainer & HRD in the NCFLD (Egypt) and IBCT (Netherlands).

Honorary:

- Silver Medal – General Syndicate of Pharmacists, Cairo, Egypt.
- **Who's Who** honored scientist in Medicine and Healthcare 2011-2012 (8th Edition).

Professional career history:

- Training in private pharmacies in Egypt for 3 years (1997-2000)
- Training in a pharmaceutical company in Egypt for 10 days (EIPICO pharmaceuticals: quality control, quality assurance, manufacturing), 1999
- Bachelor in pharmaceutical sciences (Cairo university, Beni-Suef Branch, 2001)
- Working in private pharmacies in Egypt for 6 months (2001)
- Master in pharmaceutical analytical chemistry (Cairo university, 2006)
- PhD in pharmaceutical analytical chemistry (Beni-Suef University, 2009). Through my 3 years PhD work, I joined Professor Richard Brereton's center for chemometrics for 2 years (University of Bristol, UK).
- Working partly for 5 months with *GSK pharmaceutical company in UK* in joint collaboration with center for chemometrics (University of Bristol) during my PhD studies. The research point was related to online monitoring of drug impurities during manufacturing of one of the active pharmaceutical ingredients. The results are presented in one of the PhD thesis chapters.
- Coordinator of advanced instrumental analysis diploma in the faculty of post-graduate studies, Beni-Suef University.
- Supervisor of stability and bioequivalence studies' unit in the faculty of post-graduate studies, Beni-Suef University.

- Working as pharmaceutical product registration consultant for two toll pharmaceutical manufacturing companies in Egypt (International Pharma Group Co. IPG, and Egyptian-Canadian for Drugs Co.)
- Certified Trainer and Human Resources developer (CT & HRD) certified by International Board of Certified Trainers IBCT (<http://www.ibct-global.com/Directory.aspx>) with several experiences in TOT training programs and HRD project management all over Egypt (Mansoura, Zagazig, Aexandria, Kafrelsheikh, Ismailia, Cairo and Beni-Suef).
- Certified local Entrepreneurship trainer by International Labor Organization ILO.
- DAAD Alumni: granted scholarship in Germany for University leaders (UNILEAD training project; which comprises project management module, financial resources module and human resources management module), 2013-2014 <http://www.scholarshipstimes.com/2013/03/20/2013-2014-unilead-programme-at-university-of-oldenburg-germany/>
- Several activities as a trainer and HRD consultant for NCFLD and my University for 3 years in the following programs:
 - TOT
 - Credit hours system program
 - International publication
 - How to compete for a research fund
 - Code of Ethics
 - Strategic planning.
 - Negotiation skills.
 - Communication skills
 - Presentation skills
 - Analytical thinking
 - Entrepreneurship
 - Time and meeting management
 - Effective University Management
- Capability to plan and manage HRD training projects. I designed the “Research moderators” training project for my University in Egypt.
- Several societal activities through my work as a board member in the syndicate of pharmacists in my governorate (Beni-Suef), where we could plan and offer continuous learning programs for pharmacists, societal awareness campaigns against hepatitis C virus and others.
- Assistant professor in pharmaceutical chemistry department in faculty of pharmacy, University of Tabuk (UT), Tabuk, Kingdom of Saudi Arabia (2014-2016).
- Associate professor of Pharmaceutical Analytical Chemistry, Faculty of Pharmacy, Beni-Suef University, April 2015 – Jan 2019.
- Supervisor of quality assurance committees in faculty of pharmacy, Beni-Suef Unievrstiy for quality management and for academic programs and standards 2017-2018
- Departmental seminar coordinator for pharmaceutical analytical chemistry department 2018.