

## CURRICULUM VITAE



**Name** : Marwa Adel Abdel-latif Ragab

 <http://orcid.org/0000-0002-3233-3657>

**Birth Date** : 30-9-1979

**Birth Place** : Alaxandria, Egypt

**Marital Status** : Married (two sons)

**Foreign Language:** English

**Present Profession:** Assistant Professor, department of pharmaceutical analytical chemistry, Faculty of pharmacy, University of Alexandria, EGYPT

**Address:** Department of Pharmaceutical Analytical Chemistry, Faculty of Pharmacy, 21521 Alexandria, EGYPT.

**E. Mail:** [marmed\\_2001@yahoo.com](mailto:marmed_2001@yahoo.com)

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### Scientific Degrees :

- 1- B. Sc. of Pharmacy and Pharmaceutical Chemistry, Faculty of Pharmacy, University of Alexandria, June, 2001, Excellent with honor.
- 2- M. Pharm. of Pharmaceutical Analytical Chemistry, Faculty of Pharmacy, University of Alexandria, March, 2005, "Analysis of Some Selected Drugs in the Management of Inflammation and Musculoskeletal Disorders".
- 3- Ph. D. of Pharmaceutical Analytical Chemistry, Faculty of Pharmacy, University of Alexandria, October, 2010, "Analysis of Some Pharmaceutical Matrices using Emerging Techniques".

### Professional Carrier :

**1-Apr. 2002 - Apr. 2005 :**

Demonstrator, Dept. of Pharm. Anal. Chem., Faculty of Pharmacy, University of Alexandria.

**2- Apr. 2005 - Nov. 2010 :**

Assistant lecturer, Dept. of Pharm. Anal. Chem., Faculty of Pharmacy, University of Alexandria.

**Assistant Professor: Marwa Adel Abdel-latif Ragab**  
**Faculty of Pharmacy, University of Alexandria,**  
**Alexandria, EGYPT**

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**3- Nov. 2010 – Jan. 2016 :**

Lecturer, Dept. of Pharm. Anal. Chem., Faculty of Pharmacy, University of Alexandria.

**4- Jan. 2016-till now:**

Assistant Professor, Dept. of Pharm. Anal. Chem., Faculty of Pharmacy, University of Alexandria.

## **Academic Teaching Experience**

### **Undergraduate Level**

- 1-** Teaching theoretical and practical courses in Pharmaceutical Analytical Chemistry for first and second year Pharmacy students Faculty of Pharmacy, Alexandria University, EGYPT including:
  - Qualitative Inorganic Analysis for first year students.
  - Different aspects in Quantitative Analytical Chemistry for second year Pharmacy students.
  - Instrumental Analysis.
- 2-** Teaching theoretical and practical courses in Pharmaceutical Analytical Chemistry for second year Pharmacy students Faculty of Pharmacy, Damanhour branch, Alexandria University, (2010-2011)
- 3-** Teaching theoretical and practical courses of General chemistry in Pharmaceutical Analytical Chemistry department for first year Pharmacy students Faculty of Pharmacy, Pharos University, (2011-2012).
- 4-** Teaching theoretical and practical courses in Instrumental Analysis PC 407 for clinical programme students, Fourth semester, (2011-2012, 2012-2013)
- 5-** Teaching theoretical and practical courses in pharmaceutical analytical chemistry II PC 306 for clinical programme students, Third semester, (2013-2014).
- 6-** Teaching theoretical and practical courses of basic inorganic chemistry in Pharmaceutical Analytical Chemistry department for first year Pharmacy students Faculty of Pharmacy, Pharos University, (2013-2014).

- 7- Teaching theoretical and practical courses of Quantitative Analytical Chemistry for second year Pharmacy students (Electrochemistry and applications of Redox titrations) Faculty of Pharmacy, Alexandria University, (2013-2014).
- 8- Teaching theoretical and practical courses of Quantitative Analytical Chemistry for second year Pharmacy students (Molecular Fluorescence and Atomic spectroscopy) Faculty of Pharmacy, Alexandria University, (2014-2015).

**Starting 2016 till now:**

- 9- Teaching theoretical and practical courses in Instrumental Analysis PC 407 for clinical programme students, Fourth semester, (2015-2016).
- 10- Teaching theoretical and practical courses of Quantitative Analytical Chemistry for second year Pharmacy students (Precipitation and complexation titration) Faculty of Pharmacy, Alexandria University, (2016-2017).
- 11- Teaching theoretical and practical courses of Quantitative Analytical Chemistry for second year Pharmacy students (Statistics) **“New part was installed in the course as theoretical lectures and practical lessons with the use of computers in the instrumental lab to make students familiar with Excel program”** Faculty of Pharmacy, Alexandria University, (2017-2018, 2018-2019, and 2019-2020).
- 12- Participating in oral exams in faculty of pharmacy (Alexandria University, Pharos University and Damanhur University)

## **Postgraduate Level**

- 1-** Post graduate studies: Master special course of Advanced Electrochemical methods of analysis (code: 0907703) spring 2019-2020

## **Theses Supervision**

### **Co-supervisor for the Master Degree theses of:**

- 1) " Development of Robust Analytical methods for the analysis of some Antibiotics"

Sara Ismael aboras, (Faculty of Pharmacy, University of Alexandria).

- 2) "Application of spectroscopic and chromatographic methods to the identification and determination of some drugs and their related compounds"

Ossama El-malah, (Pharco-B international company).

- 3) "Comparative study of analytical methods involving advanced chromatographic and spectroscopic techniques for the determination of binary mixtures of some pharmaceutical compounds"

Sara Mahmoud Mohamed Mohi-Eldin (Faculty of Pharmacy, Damanhour University).

- 4) "Analysis of some multifunctional drugs having a carboxylic and /or amino group(s) in their pharmaceutical matrices"

Mostafa Aly El-sayed Afify (Borg pharmaceutical company)

- 5) "Analysis of Some polycyclic and / or polyhydroxy compounds in different pharmaceutical matrices"

Aya Refaat Abdel-Hamed Ahmed (Faculty of Pharmacy, University of Alexandria)

- 6) "Establishing Chromatographic Stability Indicating Assays for Some Drugs Containing Carboxy and Amino groups"

Nabil Mofeid Abdel-Rahman Ashour (Borg pharmaceutical company)

### **Co-supervisor for the Ph. D Degree thesis of:**

- 7) “ Assessment of some Heavy Metals Residuals as Contaminants In Active Pharmaceutical Matrices”  
Abd El- Aal Ahmed Abd El- Aal Sayed, (Pharco-B international Company).
- 8) “Development and Application of Non-parametric and Robust Linear Regression Methods for the Analysis of Some Nutraceuticals and Dietary Supplements”  
Miranda Fawzy Kamal Younes (Faculty of Pharmacy, Pharos University).
- 9) “Contribution to the analysis of some selected drugs containing nitrogen in heterocyclic rings”  
Mohamed Hamdy (Faculty of Pharmacy, Pharos University).
- 10) “Chromatographic and electrophoretic methods for the analysis of some selected drugs alone or in presence of their related substances”  
Mahmood Abdel-Satar ( Faculty of Pharmacy, Pharos University).
- 11) “ Analysis of some Neuropsychiatric disorder drugs using different green analytical techniques”  
Ossama El-malah, (Pharmed Healthcare company).
- 12) “Analytical Studies for Challenging Problems in Determination of Some Nutraceuticals and Dietary Supplements in Different Matrices”  
Sara Ismael aboras, (Faculty of Pharmacy, University of Alexandria).
- 13) “Application of Advanced Methods in the Analysis of Naturceutical / Cosmeceutical Preparations”  
Mostafa Aly El-sayed Afify (Borg pharmaceutical company)
- 14) “Electrochemical and chromatographic based techniques for the analysis of nitrogenous drugs in combination therapy”

**Assistant Professor: Marwa Adel Abdel-latif Ragab**  
**Faculty of Pharmacy, University of Alexandria,**  
**Alexandria, EGYPT**

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Aya Refaat Abdel-Hamed Ahmed (Faculty of Pharmacy, University of Alexandria)



## **Training Courses and Workshops:**

- 1-** Workshop on "HPLC", Development & Application of Advanced Instrumental Analysis & Drug Quality Control Curriculum (DAQC) Project, Faculty of Pharmacy, University of Alexandria, Alexandria, Egypt, May/18-21/2003.
  - 2-** Preparatory TOEFL course, ESP center of Alexandria university, Alexandria, Egypt, general grade in the final exam V. good, June – August/2003.
  - 3-** International TOEFL exam (computer based test), ETS center, Cairo, Egypt, total score 247, December/2005.
  - 4-** MATLAB 1 course, final grade A in the exam ,AUC/CACE, Arab Academy for Science ,Technology and Maritime Transport, Alexandria, Egypt, June – August/2005
  - 5-** -"Proposal writing GERLS", DAAD Kairo Akademie at the premises of University of Alexandria, Alexandria, Egypt September/27/2012.
  - 6-** "Education and Learning strategy" at Quality Assurance Management Unit, faculty of Engineering, University of Alexandria, Egypt December14/2014.
  - 7-** "Author Workshop" at University of Alexandria by Elsevier Publishing Group, 13 October 2016.
- Different courses in the Faculty and leadership development center (FLDC), University of Alexandria, Alexandria, Egypt:
- "Effective Teaching (T1)", May/7-12/2005.
  - "Skills of Effective Communication (I2)", March/14-17/2005.
  - "Ways of Scientific Research (T4)", June /4-7/2005.
  - "Skills of Effective Presentation (T2)", June /25-28/2005.
  - "New Trends in Teaching (T2)", July/22,24,25/2006.
  - "Code of Ethics (P4)", July/10-12/2007.
  - "Teaching with Technology (T3)", December/29-31/2007.
  - "Research team management", May/22-23/2012.

- “International publishing of research”, December/19-20/2012.
- “Ethics in scientific research”, March/20-21/2013.
- “Student evaluation and examination techniques”, April/27-28/2013.
- “Organizing scientific conferences”, May/22-23/2013.
- “Strategic planning”, June/5-6/2013.

### **Starting 2016 till now:**

- 8- Courses in the Faculty and leadership development center (FLDC), University of Alexandria, Alexandria, Egypt:
  - “Quality in teaching process”, August/24-25/2016.
  - “SPSS”. September/17-20/2016.
  - “University Laws and Regulations” May/10-11/2017.
  - “E-Exams” May/8-9/2017.
  - “Executive Leadership Development” May/3-4/2017.
- 9- “Assessment: The Real Driver for Competency-based Education in pharmacy” Wednesday, July 19, 2018, New building, Faculty of Pharmacy, university of Alexandria.
- 10- “Responsible Conduct of Research” offered by responsible conduct of research program (Jordan University of science and technology- Jordan and university of California –San Diego USA) held on 12-13/8/2018 at New building, Faculty of Pharmacy, university of Alexandria.
- 11- “Flipping classrooms and web-2 tools” 5/11/2018, New building, computer room, first floor, Faculty of Pharmacy, university of Alexandria
- 12- Participating with a talk “Analysis of drugs and their related substances and impurities” in the cultural scientific program (2018) organized by the “The

Arab Society of Materials Science”, held in the Institute of Graduate Studies and Research, September,10 , 2018.

**13-** “The first joint Egyptian-Italian workshop on innovative scientific research”  
National Research Center, Giza, Egypt, February, 4-5, 2019.

**14-** Workshop “Biological Fluids Examination and Clinical Applications”  
Medical Research Institute, Alexandria, Egypt, 28 February 2019.

**15-** Workshop for operating and usage guidance of Capillary Electrophoresis (CE-DAD) held in the pharmaceutical chemistry department, faculty of pharmacy, Alexandria University, sixth floor, new building, 9, April, 2019.

**16- Elsevier online workshops:**

- Author workshop at University of Alexandria on 13 October 2016, presented by Ingrid van de Stadt, Regional Marketing Director
- An editor’s guide to writing a review article, on Thursday 27 June, 2019 Presented by Lindsey Drayton, Matt Pavlovich.
- Introduction to the Certified Peer Reviewer Course, on Monday 30 September, 2019 Presented by Priyanka Kalra.

**17-** Participating in workshop entitled: "Fake Medications: Challenges, Global Responses and Current Research" held by **The FU Berlin Cairo Liaison Office**, Steigenberger El Tahrir Hotel in Cairo, 24 and 25 September 2019.

**18-** Workshop entitled “How to design integrated courses” by professor Andries Koster, the workshop was held during the **International Conference on Pharmaceutical and Health Care Sciences (PHS 2019)**, faculty of pharmacy, Alexandria University, 6 November 2019, Helton Green Plaza Alexandria.

## **Organization of Workshops:**

- 1- HPLC workshop:** Hands on HPLC with different detectors: theoretical and practical workshop, 19-22 August, 2019, held at the Science Park, second floor, new building.
  
- 2- HPLC workshop:** Hands on HPLC with different detectors: theoretical and practical workshop, 27 September – 1 October, 2020, held at the Science Park, second floor, new building.

## **Scientific Conferences and Meetings**

- 1) Participating in the “*Scientific Conference of Faculty of Pharmacy*” , poster Code AQC-11, Cairo University, Cairo-Egypt 29 March, 2008.  
Poster presentation : “Specrophotometric Determination of some Drugs used in the Management of Inflammation and Musculoskeletal disorders.”Shereen M. Galal, Mohamed H. Abdel-Hay and *Marwa A. Ragab*.
- 2) Participating in the first international conference held in Beirut, entitled “Recent Advances In Pharmaceutical Research and Technology”, May 6-7, 2010 at BAU, Beirut Campus- Lebanon.  
Poster presentation : “Non-parametric linear regression of discrete Fourier transform Convoluted chromatographic peak responses under non- ideal Conditions of internal standard method” M. A. Korany, Hadir M. Maher, Shereen M. Galal , Ossama T. Fahmy, *Marwa A. A. Ragab*
- 3) Participating and attending the third international scientific conference of faculty of pharmacy Cairo University “Good Pharmacy Practice”, Poster code AQC-9, Cairo-Egypt, 26 April, 2012.  
Poster presentation : “Liquid Chromatographic Determination of Amikacin Sulphate after Pre-Column Derivatization” Mohamed A. Korany , Rim S. Haggag , *Marwa A.A. Ragab* , Osama A. Elmallah
- 4) Selected by the council for the **Lindau Nobel Laureate Meetings** to participate in the **63<sup>rd</sup> Meeting of Nobel Laureates (Chemistry)**, Lindau- Germany, from 30/6/2013 to 5/7/2013.
- 5) Attending the BioVision Alexandria (BVA) 2014 Conference, “New life sciences: The next decade”, Alexandria-Egypt, 7-9 April 2014.
- 6) Participating and attending ICPPS 2015 : International Conference on Pharmacy and Pharmaceutical Sciences, Dubai-UAE, 30-31 January 2015.  
e-Poster presentation : “Simultaneous Determination of Methotrexate and Aspirin Using Fourier Transform Convolution Emission Data under Non-Parametric Linear Regression Method“ *Marwa A.A. Ragab*, Hadir M. Maher, Eman I. EL-Kimary

- 7) Participating in ICMCE 2015, XIII International conference on Materials and Chemical Engineering, Jeddah, Saudi Arabia, January 26-27, 2015.  
Oral Poster presentation: “Development and Validation of First derivative method and Artificial Neural Network for the simultaneous Spectrophotometric determination of two closely related Antioxidant Nutraceuticals in their binary mixture”. Miranda Fawzy, Mohamed Korany, Azza Gazy, Essam Khamis and **Marwa A.A. Ragab**
- 8) Participating in first PUA International conference on “Advances in pharmaceutical sciences” at Pharos University, Alexandria, Egypt, October 27-29, 2015.  
Poster presentation: “Simple Spectrophotometric methods for the Simultaneous Determination of Ketorolac Tromethamine and Phenylephrine Hydrochloride in Pharmaceutical Preparations”. Fawzy A. El Yazbi, Ekram M. Hassan, Essam F. Khamis, **Marwa A.A. Ragab** and Mohamed M.A. Hamdy
- 9) Participating in first PUA International conference on “Advances in pharmaceutical sciences” at Pharos University, Alexandria, Egypt, October 27-29, 2015.  
Poster presentation: “Validated Thin Layer Chromatographic Method for the Simultaneous Determination of Ketorolac Tromethamine and Phenylephrine Hydrochloride in Pharmaceutical Formulations”. Fawzy A. El Yazbi, Ekram M. Hassan, Essam F. Khamis, **Marwa A.A. Ragab** and Mohamed M.A. Hamdy
- 10) Participating in first PUA International conference on “Advances in pharmaceutical sciences” at Pharos University, Alexandria, Egypt, October 27-29, 2015.  
Poster presentation: “Stability indicating HPLC and HPTLC methods for the determination of closely related vitamin E and Co enzyme Q10”. Mohamed Korany, Azza Gazy, Essam Khamis, **Marwa A.A. Ragab**, Miranda Fawzy.

### **Starting 2016 till now:**

- 11) **Participating and attending** in the BioVision Alexandria (BVA) 2016 Conference, “New life sciences: The Road Ahead”, Alexandria-Egypt, 12-14 April 2016.

Poster presentation: “Comparison between Spectrophotometric and HPLC – DAD methods for analysis of Oxprenolol and Cyclopenthiiazide”. ***Marwa A.A. Ragab***, Mohamed H. Abdel- Hay, Hytham M A Ahmed and Sara M. Mohyeldin.

- 12) Participating and attending** the seventh international scientific conference of faculty of pharmacy Cairo university “Translational Research: From bench to market”, Poster code ACD-8, Cairo-Egypt, 16-17 April, 2016.

Poster presentation: “VALIDATED SPECTROPHOTOMETRIC AND SPECTROFLUORIMETRIC METHODS FOR THE DETERMINATION OF ALPHA LIPOIC ACID IN BULK DRUG AND CAPSULES USING MERBROMIN REAGENT”. Mohamed A. Korany, Azza A. Gazy, Essam F. Khamis, ***Marwa A. A. Ragab***, and Miranda F. Kamal.

- 13) Participating** in 4<sup>th</sup> Future conference of Pharmaceutical Sciences, 31<sup>th</sup> January-2<sup>nd</sup> February/ 2017, Cairo, Egypt.

Poster presentation: “IN-VIVO ANALYSIS USING HPLC-DAD FOR THE DETERMINATION OF KETOROLAC TROMETHAMINE AND PHENYLEPHRINE HYDROCHLORIDE BINARY MIXTURE AND THEIR TERNARY MIXTURE WITH CHLORPHENIRMAINE MALEATE” Fawzy A. El Yazbi, Ekram M. Hassan, Essam F. Khamis, ***Marwa A. A. Ragab*** and Mohamed M. A. Hamdy

- 14) Participating and attending: chair session and oral presentation with the best poster award** in the conference ICPPC 2017: 19th International Conference on Pharmacognosy and Pharmaceutical Chemistry to be held in Paris, France during August, 27-28, 2017.

Oral Presentation: “High-Performance Liquid Chromatographic Method with Diode Array Detection (HPLC-DAD) Analysis of Naproxen and Omeprazole Active Isomers” ***Marwa Ragab***, Eman El-Kimary.

**15) Participating with poster presentation and the best poster award in the conference:** “9<sup>th</sup> Annual Pharma Congress”, Madrid, Spain, June, 26-28, 2017. Poster Presentation:” High Performance Thin Layer Chromatographic Resolution of the Enantiomers of Some Racemic  $\beta$ -Blockers using  $\beta$ -Cyclodextrin Chiral Selector” Eman El-Kimary, ***Marwa Ragab***.

**16) Participating and attending** in the BioVision Alexandria (BVA) 2018 Conference, “New life sciences: Towards SDG”, Alexandria-Egypt, 20-22 April 2018.

Poster presentation: “Diode array detection for stability assessment and evaluation of degradation kinetics of newly introduced sacubitril in its supramolecular complex(LCZ696) with valsartan”. ***Marwa A.A. Ragab***, Mohamed A. Korany, Shereen M. Galal and Aya R. Ahmed.

**17) Participating and attending** in the BioVision Alexandria (BVA) 2018 Conference, “New life sciences: Towards SDG”, Alexandria-Egypt, 20-22 April 2018

Poster presentation: “Non-parametric Spectrophotometric Analysis of Olmesartan, Hydrochlorothiazide and Amlodipine” ***Rasha Youssef***, Marwa A A Ragab, Mohamed A. Korany, Mostafa A. Afify

**18) Participating and attending** the 9th international scientific conference of faculty of pharmacy Cairo university “Towards Globally Recognized Egyptian Pharmaceutical Ingredients: A National Priority”, Poster code ACD-1, Cairo-Egypt, 25-26 April, 2018. Poster presentation: “LC-MS for fuel



metabolites analysis in urine”. Saied F. Belal, Rasha A. Shaalan, **Marwa A.A. Ragab**, Eman A. El-Attar and Mahmoud Agami.

- 19) **Participating with a talk in a scientific meeting**, talk title: “Analysis of drugs and their related substances and impurities”, scientific meeting: the cultural scientific program (2018) organized by the “The Arab Society of Materials Science”, held in the Institute of Graduate Studies and Research, **September,10 , 2018.**
- 20) **Participating and attending** the 18<sup>th</sup> Arab International Conference of Materials Science “Materials Science and Scientific Instruments”, Alexandria 22-23 December 2018.

Poster Presentation “Validated voltammetric method for the bio-analysis of Indomethacin and Dantrolene with active metabolite: analysis in rat plasma ” **Marwa A.A. Ragab**, Mohamed A. Korany, Shereen M. Galal and Aya R. Ahmed.

- 21) **Participating** in 5<sup>th</sup> Future conference of Pharmaceutical Sciences, 28-30<sup>th</sup> January 2019, Cairo, Egypt.
- Poster presentation: “Green HPTLC and Stability-Indicating RP-HPLC for the assay of Dextromethorphan Hydrobromide and Menthol in their Lozenges” Mohamed M. A. Hamdy, **Marwa A. A. Ragab**, Fawzy A. El Yazbi, Ekram M. Hassan and Essam F. Khamis
- 22) **Attending and participating with two posters** in workshop entitled: "Fake Medications: Challenges, Global Responses and Current Research" held by

**The FU Berlin Cairo Liaison Office**, Steigenberger El Tahrir Hotel in Cairo, 24 and 25 September 2019.

**First poster:** “Naproxen and Omeprazole Active Isomers Analysis in presence of their related chiral impurities using HPLC-DAD” **Marwa A.A. Ragab**, Eman I. El kimary.

**Second poster:** “Sensitive LC-MS method for monitoring and quantitation of 7 selected PDE-5 and SSRIs in counterfeit Nutraceuticals” presented by: **Sara I. Aboras** extracted from her PhD thesis under the supervision of: Dr. Mohamed A. Korany, Dr. Heba Abdine and Dr. ***Marwa A.A. Ragab***.

**The second poster was awarded the best poster award and a chance of getting a PhD scholarship at FU Berlin, Germany.**

**23) Attending and participating** with three posters in **International Conference on Pharmaceutical and Health Care Sciences (PHS 2019)**, faculty of pharmacy, Alexandria University, 6-7 November 2019, held in Helton Green Plaza Alexandria.

**First poster:** “PHS 205: The combination of derivative technique with emission and synchronous scanning spectrofluorimetry for the spectral resolution of codeine in its mixtures with ibuprofen and phenylephrine” **Marwa A.A. Ragab** and Eman I. El-Kimary

**Second poster:** “PHS 209: HPTLC analysis of eye drops formula containing Ketorolac ternary mixture used after Eye Surgeries” Mohamed M. A. Hamdy, Fawzy A. El Yazbi, Ekram M. Hassan, Essam F. Khamis and ***Marwa A. A. Ragab***

**Third poster:** “PHS 224: Pharmacokinetics study of sofosbuvir and ledipasvir in presence of some complementary and alternative medications in healthy

rats using LC-MS” Mohamed A. Korany, Heba H. Abdine, Ahmed F. El Yazbi, Sara I. Aboras and *Marwa A.A. Ragab*.

- 24) **Participating and attending: chair session and oral presentation with the best poster award** in ICPPS 2020: International Conference on Pharmacy and Pharmaceutical Sciences, Dubai, UAE, January 30 - 31, 2020  
**Oral poster presentation:** “Chemometric-based Voltametric Method for Analysis of Vitamins and Heavy Metals in Honey Samples” *Marwa A.A. Ragab*, Amira F. El-Yazbi, Amr El-Hawiet
- 25) **Attending** the second PUA International Conference on “Multidisciplinary Approaches in Pharmaceutical Sciences” held on March 11-12, 2020 at Pharos University in Alexandria, Egypt (the first day only was held and attended and the second day was postponed).

## **LIST OF PUBLICATIONS**

The total list of publication includes **53**papers: **4** abstracted from my master thesis, **3** abstracted from my PhD thesis, **15** published papers (**10 abstracted form thesis supervision and 5 papers aren't abstracted**) when I acted as lecturer and **31** (**24 abstracted from thesis supervision and 7 aren't abstracted** ) published papers when I acted as assistant professor.

**44** papers out of the 53 are **Scopus indexed**.

### **Papers abstracted from master thesis**

- 1- Stability-Indicating Differential Pulse Polarographic and Derivative Spectrophotometric Determination of Tetrazepam in Presence of its Acid-Induced Degradation Product. Mohamed H. Abdel-Hay, Shereen M. Galal and *Marwa A. Ragab.*, *Alex. J. Pharm. Sci.*, 22(1), 51-57 (2008).
- 2- Application of Derivative and Derivative-ratio Spectrophotometry in the Determination of a Binary Mixture of Naproxen and Diflunisal and a Ternary Mixture of Orphenadrine, Caffeine and Aspirin. Mohamed H. Abdel-Hay, Shereen M. Galal and *Marwa A. Ragab.* *Taiwan Pharmaceutical Journal*, 59(4), 157-170 (2007).
- 3- Spectrophotometric Determination of some Drugs used in the Management of Inflammation and Musculoskeletal disorders. Shereen M. Galal, Mohamed H. Abdel-Hay and *Marwa A. Ragab.* *Bull. Fac. Pharm. Cairo Univ.*, 46(1), 137-152 (2008).
- 4- Determination of Rofecoxib by Differential Pulse Polarography. Shereen M. Galal, Mohamed H. Abdel-Hay and *Marwa A. Ragab.* *Alex. J. Pharm. Sci.*, 22(1), 58-60 (2008).

## **Papers abstracted from PhD thesis**

- 5- Non-parametric linear regression of discrete Fourier transform Convoluted chromatographic peak responses under non- ideal Conditions of internal standard method. M. A. Korany, Hadir M. Maher, Shereen M. Galal , Ossama T. Fahmy, **Marwa A. A. Ragab. *Talanta*** , 83, 93-109 (2010). **Rank: Top 20%**
  
- 6- Development and optimization of capillary electrophoresis technique for simultaneous determination of miconazole nitrate and hydrocortisone acetate in creams. M. A. Korany, Hadir M. Maher, Shereen M. Galal and **Marwa A.A. Ragab,**” ***J. AOAC. Int.***, 96, No. 6, 2013 **Rank: lower 50%**
  
- 7- Comparative study of some robust statistical methods: weighted, parametric & non parametric linear regression of HPLC convoluted peak responses using internal standard method in drug bioavailability studies. Mohamed A. Korany , Hadir M. Maher , Shereen M. Galal , **Marwa A.A. Ragab. *Anal. Bioanal. Chem.***, (2013) 405(14),4835–4848. **Rank: Top 20%**

## **Post-doctoral papers**

- 8- Effect of Metoclopramide on the Excretion Rate of Paracetamol Using HPLC-DAD. **Marwa A.A. Ragab, *J. Chromatogr. Sci.***, 51, 383–390, (2013). **Rank: Lower 50%**
  
- 9- Monitoring of metronidazole and its metabolite residues in eggs of two strains of hens using HPLC-DAD. Rasha M. Youssef, Amira, E. El-Dlebshany , **Marwa A.A. Ragab,** Eman I. El-Kimary ***J. Liq. Chromatogr. Relat. Technol.*** 36, 2044–2058, ( 2013) **Rank: Lower 50%**
  
- 10- Simultaneous determination of Montelukast and Fexofenadine using Fourier transform convolution emission data under non- parametric Linear Regression method, **Marwa A.A. Ragab,** Rasha M. Youssef, ***J. Fluoresc.***, (2013) 23:1329–1340 **Rank: Top 50%**

**11-** 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** , Osama A. Elmallah, *Bull. Fac. Pharm. Cairo Univ.*, (2013) 51, 211–219

**12-** 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** , Osama A. Elmallah, Accepted for publication in *Arab. J. Chem.*

**Rank: Top 50%**

**13-** Kinetic Investigation of Pentoxifylline Based on Non-Parametric Linear Regression of Derivative and Convolutd Derivative Chromatographic and Spectrophotometric Responses. Mohamed A. Korany, Rim S. Haggag, **Marwa A.A. Ragab**, Osama A. Elmallah. *J. Liq. Chromatogr. Relat. Technol.* 37:475– 497, (2014)

**Rank: Lower 50%**

**14-** Application of Discrete Fourier Transform Convolutd Densitomteric Peak Responses for the Determination of Methocarbamol in Different Pharmaceutical Mixtures in Presence of its Degradation Product. **Marwa A. A. Ragab** , M. A. Korany, K. Michail, A. E. Issa , H. M. Daabees, D. S. Elkafrawy. *J.Liq.Chromatogr. Relat. Technol.*, (2014) 37:1999–2020.

**Rank: Lower 50%**

**15-** Liquid Chromatographic Determination of Amikacin Sulphate after Pre-Column Derivatization, Mohamed A. Korany , Rim S. Haggag , **Marwa A.A. Ragab** , Osama A. Elmallah, *J. Chromatogr. Sci.*, (2014) 52:837–847 **Rank: Lower 50%**

**16-** Convolution of Emission Derivative Ratio Curves of Closely Related Fluorescent Reaction Products Using Discrete Fourier Functions and Non-Parametric Linear Regression

Method. **Marwa A. A. Ragab** and Eman I. El-Kimary. **J. Fluoresc.**, (2014) 24: 1745-1756.

**Rank: Top 50%**

**17-** Derivative emission spectrofluorimetry: Application to the analysis of newly approved FDA combination of ibuprofen and famotidine in tablets, Eman I. EL-Kimary and **Marwa A. A. Ragab**, **Luminescence: The journal of biological and chemical luminescence**, 2015; 30: 760–767.

**Rank: Lower 50%**

**18-** A Validated High-Performance Thin-Layer Chromatographic Method for the Assay of Two Binary Mixtures Containing Omeprazole or Its Isomer Esomeprazole in Pharmaceutical Dosage Forms, Eman I. EL-Kimary and **Marwa A.A. Ragab**, **J. Planar. Chromat.** 28 (2015) 1, 74–82.

**Rank: Lower 50%**

**19-** Experimental design and machine learning strategies for parameters screening and optimization of Hantzsch condensation reaction for the assay of sodium alendronate in oral solution, Mohamed A. Korany, **Marwa A. A. Ragab**, Rasha M. Youssef and Mostafa A. Afify, **RSC Adv.**, 2015, 5, 6385–6394.

**Rank: Top 50%**

**20-** Application of derivative spectrophotometry under orthogonal polynomial at unequal intervals: Determination of metronidazole and nystatin in their pharmaceutical mixture, Mohamed A. Korany, Heba H. Abdine, **Marwa A.A. Ragab**, Sara I. Aboras, **Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy**, 143 (2015) 281–287.

**Rank: Top 50%**

**21-** Derivative-Fourier transforms-polynomial fit: a coupling of interest in common non-ideal cases arises during trace metal analysis using graphite furnace atomic absorption spectrometry, Mohamed A. Korany, Hesham. Z. Ibrahim, **Marwa A. A. Ragab**, Mervat A. Abdel- Kawi and Abd El Aal A. A. Sayed, **RSC Adv.** , 5, 47866–47875, (2015).

**Rank: Top 50%**

- 22- Chemometrics-Assisted Spectrofluorimetric Determination of Two Co Administered Drugs of Major Interaction, Methotrexate and Aspirin, in Human Urine Following Acid-Induced Hydrolysis. Hadir M. Maher, Marwa A.A. Ragab and Eman I. El-Kimary, **Combinatorial Chemistry & High Throughput Screening**, 2015, 18, 723-734 723.  
**Rank: Top 50%**

### **Papers published starting 2016 till now**

- 23- Development and Validation of a High Performance Thin-Layer Chromatographic Method for the Simultaneous Determination of Two Binary Mixtures Containing Ketorolac Tromethamine with Phenylephrine Hydrochloride and with Febuxostat. Fawzy A. El Yazbi, Ekram M. Hassan, Essam F. Khamis, **Marwa A.A. Ragab**, and Mohamed M.A. Hamdy, *J. Chromatogr. Sci.*, (2016) 54 (5): 819-828 **Rank: Lower 50%**
- 24- Investigation of using robust statistics: Weighted, parametric & non parametric linear regression of derivative/discrete Fourier transform HPLC convoluted peak responses for handling standard addition method data in bioanalysis, Mohamed A. Korany, Heba H. Abdine, **Marwa A.A. Ragab**, Sara I. Aboras, *Bull. Fac. Pharm. Cairo Univ.*, (2016) 54 (2): 243–255
- 25- Analysis of Closely Related Antioxidant Nutraceuticals using Green Analytical Methodology of ANN and Smart Spectrophotometric Methods, Mohamed A. Korany, Azza A. Gazy, Essam F. Khamis, **Marwa A. A. Ragab**, and Miranda F. Kamal, *Journal of AOAC International*, (2017) 100 (1): 8-17, **Rank: Lower 50%**
- 26- HPTLC Analysis of Ternary Mixture Containing Ketorolac Tromethamine, Phenylephrine Hydrochloride and Chlorpheniramine Maleate, Fawzy A. El Yazbi, Ekram M. Hassan, Essam F. Khamis, **Marwa A. A. Ragab** and Mohamed M.A. Hamdy, *Journal liquid chromatography and related technology*, (2016) 39 (19–20): 869–876  
**Rank: Lower 50%**



- 27- Spectrophotometric analysis of two eye preparations, vial and drops, containing ketorolac tromethamine and phenylephrine hydrochloride binary mixture and their ternary mixture with chlorpheniramine maleate, **Marwa A.A.Ragab**, Fawzy A.El Yazbi, Ekram M.Hassan, Essam F.Khamis and Mohamed M.A.Hamdy, *Bull. Fac. Pharm. Cairo Univ.*, (2018), 56 (1): 91-100
- 28- Adsorption behavior of some metal ions on nanoparticles used in pharmaceutical matrices: Application to laboratory made drug formulation, Marwa A.A. Ragab, Mohamed A. Korany, Hesham Z. Ibrahim, Mervat A. Abdel-Kawi, Abd El Aal A.A. Sayed, *Bull. Fac. Pharm. Cairo Univ.*, (2017) 55: 155–162
- 29- Diode array detection and derivative spectroscopic methods for stability study of Oxprenolol and Cyclopenthiazide in liquids, Mohamed H. Abdel-Hay, **Marwa A. Ragab**, Hytham M Ahmed, Sara M. Mohyeldin *Journal of Molecular Liquids* (2017) 231: 314–324  
**Rank: Top 50%**
- 30- High performance liquid chromatography with photo diode array for separation and analysis of naproxen and esomeprazole in presence of their chiral impurities: Enantiomeric purity determination in tablets, **Marwa A.A. Ragab**, Eman I. El-Kimary, **Journal of Chromatography A**, 1497 (2017) 110–117 **Rank: Top 20%**
- 31- First derivative emission spectrofluorimetric method for the determination of LCZ696, a newly approved FDA supramolecular complex of valsartan and sacubitril in tablets, **Marwa A.A. Ragab**, Shereen M. Galal, Mohamed A. Korany, Aya R. Ahmed, **Luminescence: The journal of biological and chemical luminescence**, 2017;32:1417–1425. **Rank: Top 50%**
- 32- Stability indicating HPLC-DAD method for analysis of Ketorolac binary and ternary mixtures in eye drops: Quantitative analysis in rabbit aqueous humor, Fawzy A. El Yazbi, Ekram M. Hassan, Essam F. Khamis, **Marwa A. A. Ragab** and Mohamed M.A. Hamdy, **Journal of Chromatography B** 1068–1069 (2017) 218–225.  
**Rank: Top 50%**

- 33- Green chemistry: Analytical and chromatography, Mohamed A. Korany, Hoda Mahgoub, Rim S. Haggag, *Marwa A. A. Ragab*, and Osama A. Elmallah, **JOURNAL OF LIQUID CHROMATOGRAPHY & RELATED TECHNOLOGIES**, 2017, VOL. 40, NO. 16, 839–852. **Rank: Lower 50%**
- 34- Development of a green stability-indicating HPLC–DAD method for the determination of donepezil hydrochloride in the presence of its related substance and degradation products, Mohamed A. Korany, Hoda Mahgoub, Rim S. Haggag, *Marwa A. A. Ragab*, and Osama A. Elmallah, **JOURNAL OF LIQUID CHROMATOGRAPHY & RELATED TECHNOLOGIES**, 2017, VOL. 40, NO. 18, 930–942. **Rank: Lower 50%**
- 35- Least median of squares and iteratively re-weighted least squares as robust linear regression methods for fluorimetric determination of  $\alpha$ -lipoic acid in capsules in ideal and non-ideal cases of linearity, Mohamed A. Korany, Azza A. Gazy, Essam F. Khamis, *Marwa A. A. Ragab* and Miranda F. Kamal, **Luminescence: The journal of biological and chemical luminescence** 2018;33:742–750. **Rank: Top 50%**
- 36- High performance thin-layer and high performance liquid chromatography coupled with photodiode array and fluorescence detectors for analysis of valsartan and sacubitril in their supramolecular complex with quantitation of sacubitril-related substance in raw material and tablets, *Marwa A.A. Ragab*, Shereen M. Galal, Mohamed A. Korany, and Aya R. Ahmed, **Journal of Chromatographic Science**, 2018, Vol. 56, No. 6, 498–509 **Rank: Lower 50%**
- 37- Diode array detection for stability assessment and evaluation of degradation kinetics of newly introduced sacubitril in its supramolecular complex (LCZ696) with valsartan, *Marwa A. A. Ragab*, Mohamed A. Korany, Shereen M. Galal, and Aya R. Ahmed, **JOURNAL OF LIQUID CHROMATOGRAPHY & RELATED TECHNOLOGIES**, 2018, VOL. 41, NO. 1, 33–42. **Rank: Lower 50%**

- 38-** Green gas chromatographic stability-indicating method for the determination of Lacosamide in tablets. Application to in-vivo human urine profiling, Mohamed A. Korany, Hoda Mahgoub, Rim S. Haggag, *Marwa A.A. Ragab*, Osama A. Elmallah, **Journal of Chromatography B**, 1083 (2018) 75–85. **Rank: Top 50%**
- 39-** Chemometrics-assisted spectrophotometric green method for correcting interferences in biowaiver studies: Application to assay and dissolution profiling study of donepezil hydrochloride tablets, Mohamed A. Korany, Hoda Mahgoub, Rim S. Haggag, *Marwa A.A. Ragab*, Osama A. Elmallah, **Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy**, 199 (2018) 328–339 **Rank: Top 25%**
- 40-** Box-Behnken response surface modeling assisted enantiomeric resolution of some racemic  $\beta$ -blockers using HPTLC and  $\beta$ -cyclodextrin as chiral mobile phase additive: Application to check the enantiomeric purity of betaxolol, Eman I. El-Kimary and *Marwa A.A. Ragab*, **Chirality**. 2018;30:1195–1205, **Rank: Lower 50%**
- 41-** Derivative synchronous spectrofluorimetry: Application to the analysis of two binary mixtures containing codeine in dosage forms, Eman El-Kimary, *Marwa A A Ragab*, **Spectrochimica Acta Part A Molecular and Biomolecular Spectroscopy**, Volume 204, 5 November 2018, Pages 677-684 **Rank: Top 25%**
- 42-** Investigation of the spectrofluorimetric behavior of azelastine and nepafenac: Determination in ophthalmic dosage forms, *Marwa A A Ragab*, Eman El-Kimary, **Spectrochimica Acta Part A Molecular and Biomolecular Spectroscopy**, Volume 204, 5 November 2018, Pages 260-266 **Rank: Top 25%**
- 43-** Stability Studies of Over the Counter Quaternary Mixture Containing Phenylephrine Hydrochloride, Chlorpheniramine Maleate, Paracetamol and Caffeine Using Different Chromatographic Methods, *Marwa A A Ragab*, Fawzy A. El Yazbi, Ekram M. Hassan,

Essam F. Khamis, Mohamed M.A. Hamdy , **Journal Analytical Chemistry Letters**,  
Volume 8, 2018 - Issue 3, Pages: 331-347

**44-** Application of Capillary Zone Electrophoresis Coupled with a Diode Array Detector (CZE-DAD) to Simultaneous Analysis of Ibuprofen and Phenylephrine *Marwa A.A. Ragab*, Mohamed H. Abdel-Hay, Hytham M Ahmed, Sara M. Mohyeldin, **Journal of AOAC International**, Vol. 102, No. 2, 2019 473-479. **Rank: Lower 50%**

**45-** Voltammetric analysis of dantrolene and its active metabolite with indomethacin in rat plasma, *Marwa AA Ragab*, Mohamed A Korany, Shereen M Galal, Aya R Ahmed, **Bioanalysis**, (2018) 11(02), 73–84 **Rank: Top 50%**

**46-** Voltammetric study of valsartan–Ni complex: application to valsartan analysis in pharmaceuticals and in vivo human urine profiling, *Marwa A. A. Ragab*, Mohamed A. Korany, Shereen M. Galal, Aya R. Ahmed. **Chemical Papers**, (2019) 73:1209-1219, **Rank: Low 50%**

**47-** The use of Arrhenius kinetics to evaluate different hydrolytic stability of amiloride hydrochloride and cyclopentiazide using chromatographic methods, Mohamed H. Abdel-Hay, *Marwa A.A. Ragab*, Hytham M. Ahmed, Sara M. Mohyeldin, **Microchemical Journal** 147 (2019) 682–690, **Rank: Top 25%**

**48-** Determination of Ibuprofen and Phenylephrine in Tablets by High-Performance Thin Layer Chromatography and in Plasma by High Performance Liquid Chromatography with Diode Array Detection, *Marwa A.A. Ragab*, Mohamed H. Abdel-Hay, Hytham M. Ahmed, and Sara M. Mohyeldin, **Journal of Chromatographic Science**, 2019, Vol. 57, No. 7, 592–599, **Rank: Low 50%**

- 49-** Liquid Chromatography-Mass Spectrometry for muconic, mandelic, hippuric and methylhippuric acids analysis in human urine as metabolites for fuel exposure, Saied F. Belal, Rasha A. Shaalana,, *Marwa A.A. Ragab*, Eman A. El-Attar, Mahmoud Agami, **Microchemical Journal** 149 (2019) 103992, **Rank: Top 25%**
- 50-** Fast economic electrochemical assay for vitamins and heavy mineral components in honey samples of different botanical origin, *Marwa A.A. Ragab*, Amira F. El-Yazbi, Amr El-Hawiet, **Microchemical Journal** 155 (2020) 104770, **Rank: Top 25%**
- 51-** Green HPTLC and Stability-Indicating RP-HPLC for the assay of Dextromethorphan Hydrobromide and Menthol in their Lozenges, Marwa A.A.Ragab, Fawzy A. ElYazbi, Ekram M.Hassan, Essam F.Khamis, Mohamed M.A.Hamdy, *Annales Pharmaceutiques Françaises*, available online 11 May 2020 (corrected proof), <https://doi.org/10.1016/j.pharma.2020.04.006> **Rank: lower 50%**
- 52-** Recent Advances and Applications of Microfluidic Capillary Electrophoresis: a comprehensive review (2017-mid 2019), *Marwa A.A. Ragab* and Eman I. El-Kimary, Published online: 24 May 2020 (<https://doi.org/10.1080/10408347.2020.1765729>) *Critical Reviews in Analytical Chemistry*, **Rank: Top 25%**
- 53-** Recent analytical methodologies for the determination of omeprazole and/or its active isomer esomeprazole in different matrices: A critical review, Eman I. El-Kimary, Marwa A.A. Ragab Accepted in *Critical Reviews in Analytical Chemistry*. **Rank: Top 25%**

## **Participation in writing books**

- 1- After being invited by Chaudhery M Hussain for writing section “**Chemical Analysis**” with the participation of Eman. I. Elkimary. The section is a part of chapter: **Applications of Smartphones in Analysis**, in book: “**Smartphone-Based Detection Devices: Emerging trends in analytical techniques**”. The book is published by **ELSEVIER (Science direct)**. The book is written electronically using **ELSA** supported by Elsevier. (Writing the section is finished but the book is still under progress).

## **Editorial Board Member**

- 1) An Editorial Board Member of the **APG- Austin Journal of Analytical & Pharmaceutical Chemistry** (Austin Publishing Group).  
Handling manuscripts and special issues and reviewing.  
[www.austinpublishinggroup.com](http://www.austinpublishinggroup.com)
- 2) An Editorial Board Member of the Peertechz journal of medicinal chemistry and research (**PJMCR**)  
<https://www.peertechz.com/Medicinal-Chemistry-Research/editorialboard.php>
- 3) Member of Applied Pharmaceutical Science Advisory Board
- 4) An Editorial Board Member of the **African Journal of Pharmacy and Pharmacology (AJPP)**, ISSN: 1996-0816, DOI: 10.5897/AJPP (academic journal publisher).  
Handling manuscripts and special issues and reviewing.  
<http://www.academicjournals.org/journal/AJPP>
- 5) An Editorial Board Member of the journal: **Science Journal of Analytical Chemistry**, ISSN Print: 2376-8045, ISSN Online: 2376-8053 (Science publishing group, Science PG)  
<http://www.sciencepublishinggroup.com/j/sjac>
- 6) An Editorial Board Member of the journal: **SM Analytical and Bioanalytical Techniques (SMABT)**, SM Online Scientific Resources LLC.  
<http://smjournals.com/analytical-bioanalytical-techniques/index.php>
- 7) An Editorial Board Member of International Journal of Pharma and Drug Development (**Acta Scientifica International Open Library**)
- 8) Editorial manager online submission and peer review tracking system for **SciTechnol**
- 9) Journal of research in pharmaceutics and drug development (**Scient International**)

- 10) Acta scientific pharmaceutical sciences journal, ASPS (**acta scientific**)
- 11) Journal of chemistry and applications, RAFAT Publications,  
<https://www.raftpubs.com/RAFT-Journal-of-Chemistry/Editorial-board.php>
- 12) Editor in OAP (Open Access Pub) Journal of advanced pharmaceutical science and technology, link: <https://oap.manuscriptzone.net/my-complete-info>
- 13) International Research Conference (IRC) Scientific and Technical Committee & Editorial Review Board on Pharmacological and Pharmaceutical Sciences. Participating in the activities and events held by the committee in organizing conferences, blind peer review of abstract and papers submitted to the conferences or journals related to the committee (start 2019).



## **List of papers Reviewed**

- 1- "A development LC-MS/MS method for quantification of clinofibrate in human urine" for the Journal of Chromatographic Science (JCS-13-384).
- 2- "Metal complexes 2-(4-(1-hydroxy-4-(4 (hydroxyl diphenyl methyl) piperidin-1-yl) butyl) phenyl)-2-methylpropanoic acid with essential and trace elements, synthesis and their spectroscopic evaluation" for the African Journal of Pharmacy and Pharmacology (AJPP-07.09.13-3870).
- 3- "Development and validation of stability indicating HPTLC method for estimation of Pentoxifylline in tablet dosage form" for Analytical Chemistry Letters (TACL-2013-0025).
- 4- High Performance Liquid Chromatographic Method for the Estimation of Metclopamide HCl in Plasma" for the African Journal of Pharmacy and Pharmacology (AJPP-07.10.14-4196).
- 5- "An overview about recent advances of micro-solid phase extraction in flow-through based techniques" for the Austin Journal of Analytical & Pharmaceutical Chemistry.
- 6- "Determination of Luteolin and Apigenin in Herbs by Capillary Electrophoresis with Diode Array Detection" for Instrumentation Science and Technology.
- 7- "Stability Indicating HPLC method for simultaneous determination of Ofloxacin and Flavoxate hydrochloride" for International Journal of Pharmacy and Pharmaceutical Sciences (IJPPS 5939).
- 8- Reviewer in SOP Transactions on Analytical Chemistry Journal and reviewed papers as "Electrochemical and Pharmacological study of Fe(II)- Tolbutamide complex (2001-1470).
- 9- "A validated UPLC-UV method for Bisphenol A (BP--A) levels detection in imported plastic toys and drinking bottled water in Kuwait" for International Journal of Pharmacy and Pharmaceutical Sciences (IJPPS 6743).
- 10- "A rapid and sensitive HPLC-DAD assay to quantify lamotrigine, phenytoin and its main metabolite in samples of cultured HepaRG cells" for biomedical chromatography (BMC-15-0333).
- 11- "VALDATION HIGH PERFORMANCE LIQUID CHROMATOGRAPHY METHOD FOR THE DETERMINATION OF LEVONORGESTREL AND ETHINYL ESTRADIOL IN TABLETS" for International Journal of Pharmacy and Pharmaceutical Sciences (IJPPS 9410).

- 12- “Comparative study on four spectrophotometric methods manipulating ratio spectra for simultaneous determination of binary mixture of diflucortolone valerate and isoconazole nitrate” for bulletin faculty of pharmacy Cairo university journal (BFOPCU-D-15-00054).
- 13- “Stability Indicating RP-HPLC Methods for the Determination Fluorometholone in its Mixtures with Sodium Cromoglycate and Tetrahydrozoline Hydrochloride” for journal of chromatographic science (JCS-15-449).

### **Reviewed papers for the year 2016**

- 14- “Development and validation of a stability indicating HPLC-UV method for the quantification of colchicine in bulk and lipid based formulation” for the Arabian journal of chemistry (ARABJC-D-16-00207).
- 15- “Stability Indicating RP-HPLC Method for Simultaneous Assay of Bisoprolol and Hydrochlorothiazide in Combined Tablet Dosage Form” for the Journal of Applied Pharmaceutical Science.
- 16- “Design of experiment based optimized RP-HPLC method for simultaneous estimation of amlodipine and valsartan in bulk and tablet formulations” for Journal of AAPC.
- 17- “Simultaneous determination of luteolin and apigenin in commercial herbs using capillary electrophoresis with diode array detection (CE-DAD) For journal of instrumentation science and technology (LIST-2015-0035)
- 18- “Voltammetric Behaviour of Omeprazole and Its Interaction with Bovine Serum Albumin and Hemoglobin” for the Journal of Applied Pharmaceutical Science (19-1455133094).
- 19- “Predicting neurological Adverse Drug Reactions based on biological, chemical and phenotypic properties of drugs using machine learning models” for RSC advances (RA-ART-04-2016-010307)
- 20- “SIMPLE AND SENSITIVE HPLC/UV METHOD FOR DETERMINATION OF MELOXICAM IN HUMAN PLASMA FOR BIOAVAILABILITY AND BIOEQUIVALENCE STUDIES” for journal of applied pharmaceutical sciences (19-1462483193)

- 21- "DEVELOPMENT OF ASSAY METHOD AND FORCED DEGRADATION STUDY OF ATAZANAVIR AND COBICISTAT BY RP-HPLC IN TABLET FORMULATION" for journal of applied pharmaceutical sciences (19-1463422484)
- 22- "SPECTROPHOTOMETRIC DETERMINATION OF PARACETAMOL IN SOME MANUFACTURED TABLETS IN IRAQI MARKETS USING UV MEASUREMENTS" for international journal of pharmacy and pharmaceutical sciences (IJPPS13305).
- 23- Determination of Carnosic Acid and Carnosol in *Rosmarinus officinalis* L. by High Performance Capillary Electrophoresis  
For journal of instrumentation science and technology (LIST-2016-0155)
- 24- "DEVELOPMENT AND VALIDATION OF HIGH PERFORMANCE THIN-LAYER CHROMATOGRAPHY METHOD FOR THE SIMULTANEOUS DENSITOMETRIC DETERMINATION OF METFORMIN AND ROSIGLITAZONE IN TABLETS" For Austin Journal of Analytical & Pharmaceutical Chemistry
- 25- "DRUGS THAT INTERFERE WITH THE RESULTS OF LABORATORY TESTS: AN INTEGRATIVE REVIEW OF THE LITERATURE" for journal of applied pharmaceutical sciences (19-1466271480)
- 26- "A Simple RP-HPLC Method Development and Validation for the Simultaneous Estimation of Naproxen and Rabeprazole" for journal of applied pharmaceutical sciences (19-1475809585)
- 27- "Recent progress in Chemistry and biology of Indazole and its derivatives: A brief review" For Austin Journal of Analytical & Pharmaceutical Chemistry
- 28- "Solid-phase extraction for RP-HPLC/UV determination of ziprasidone at presence of its main metabolites in urine" For journal of applied pharmaceutical sciences (19-1487686042)
- 29- "Validation of analytical method by HPLC for determination of dapsone in polymeric nanocapsules based on crude rice brain oil" For Journal of Applied Pharmaceutical Science (19-1488998314)
- 30- "Development and Validation of the Hydrocortisone Butyrate Quantitative Determination Method in Compounding Ointment" For journal of applied pharmaceutical sciences (19-1490260232).
- 31- "Development and validation of a stability-indicating RP-HPLC method for the detection and quantification of azithromycin in bulk, and self-emulsifying drug

- delivery system (SEDDs) formulation” For journal of applied pharmaceutical sciences (19-1492839977)
- 32- “Innovative thin-layer chromatographic method combined with fluorescence detection for specific determination of Febuxostat: Application to biological fluids” For Talanta (TAL-D-17-01324)
- 33- “BRAZILEIN ISOLATED FROM SECANG (*CAESALPINIA SAPPAN* L.) BY COLUMN CHROMATOGRAPHY AND CYTOTOXIC ACTIVITY OF BRAZILEIN AGAINST MCF7/DOX CELLS BY INHIBITION OF P-GLYCOPROTEIN” For international journal of pharmacy and pharmaceutical sciences (IJPPS 19861)
- 34- “Pharmacognostical, Anti-oxidant activity and High Performance Thin Layer Chromatography studies on leaves of *Quisqualis indica*Linn” For Current Traditional Medicine Journal (BSP-CTM-2017-74).
- 35- “Level of Fluoride in Well and Spring Waters of Jimma Zone, South West Ethiopia” for Science Journal of Analytical Chemistry (SJAC) (SJAC\_2231055\_20170620).
- 36- “An Improved RP-HPLC method development for quantitation of Telmisartan and Ramipril in human plasma” for journal of Applied Pharmaceutical Science (19-1490860627)
- 37- “QUALITY BY DESIGN APPROACH FOR ESTABLISHMENT OF STABILITY INDICATING METHOD FOR DETERMINATION OF CEFDITOREN PIVOXIL” FOR Journal of Pharmaceutical Analytics and Insights (JPAI-17-039)
- 38- “Stability-indicating UV-Spectrophotometric Determination of Glipizide in Pharmaceuticals” for APG-Austin Journal of Analytical & Pharmaceutical Chemistry
- 39- “A new spectrofluorometric approach for the quantitation of imipramine HCl in commercial dosage forms” JAPST-17-1714 for Journal of Advanced Pharmaceutical Science and Technology

### **Reviewed papers for the year 2017**

- 40- “Simeprevir oxidative degradation product: Molecular modeling, in silico toxicity and resolution by synchronous spectrofluoremetry” BIO-17-255 for Luminescence: The Journal of Biological and Chemical Luminescence.

- 41- "A chromatographic study on the exceptional chiral recognition of 2-(benzylsulfinyl)benzamide by cellulose tris(3,5-dichlorophenylcarbamate) chiral stationary phase" for Journal of Chromatography A
- 42- 'Application of HPLC and response surface methodology for simultaneous determination of curcumin and desmethoxycurcumin in Curcuma syrup formulation' for the Journal of Applied Pharmaceutical Science.
- 43- "Method development and validation for estimation of Curcumin in fabricated Nano-sized formulation: Inter-laboratory comparison, Capability and statistical analysis" for Indian Journal of Pharmaceutical Education and Research
- 44- "Development and validation of a stability-indicating RP-HPLC method for the detection and quantification of azithromycin in bulk, and self-emulsifying drug delivery system (SEDDs) formulation (**Journal Applied Pharmaceutical Sciences**)
- 45- "Solid-phase extraction for RP-HPLC/UV determination of ziprasidone at presence of its main metabolites in urine" (**Journal Applied Pharmaceutical Sciences**)
- 46- "Validated Eco-Friendly Chromatographic Methods for Simultaneous Determination of Sacubitril and Valsartan in Human Plasma and in Pharmaceutical Formulation (**Journal Applied Pharmaceutical Sciences**)
- 47- "A new spectrofluorometric approach for the quantitation of imipramine HCl in commercial dosage forms" (**Journal of Advanced Pharmaceutical Science and Technology**)
- 48- Stability-indicating UV-Spectrophotometric Determination of Glipizide in Pharmaceuticals (**APG-Austin Journal of Analytical & Pharmaceutical Chemistry**)
- 49- Quality by Design Approach for Establishment of Stability Indicating Method for Determination of Cefditoren Pivoxil (**Journal of Pharmaceutical Analytics and Insights**)
- 50- quantitative estimation of Lafutidine in bulk and its pharmaceutical dosage forms by UV absorption spectrophotometry (**Journal Applied Pharmaceutical Sciences**)
- 51- Innovative thin-layer chromatographic method combined with fluorescence detection for specific determination of Febuxostat: Application to biological fluids (**Talanta**)
- 52- BRAZILEIN ISOLATED FROM SECANG (CAESALPINIA SAPPAN L.) BY COLUMN CHROMATOGRAPHY AND CYTOTOXIC ACTIVITY OF

- BRAZILEIN AGAINST MCF7/DOX CELLS BY INHIBITION OF P-GLYCOPROTEIN (**International Journal of Pharmacy and Pharmaceutical sciences**)
- 53- Level of Fluoride in Well and Spring Waters of Jimma Zone, South West Ethiopia (**Science Journal of Analytical Chemistry (SJAC)**)
- 54- Validation of analytical method by HPLC for determination of dapsone in polymeric nanocapsules based on crude rice brain oil. (**Journal Applied Pharmaceutical Sciences**)
- 55- Selective Spectrophotometric Method for the Hydrocortisone Butyrate Quantitative Determination in Compounding Ointment in Presence of Nitrofurazone and Procaine Hydrochloride (**Journal Applied Pharmaceutical Sciences**)
- 56- Pharmacognostical, Anti-oxidant activity and High Performance Thin Layer Chromatography studies on leaves of Quisqualis indica Linn (**Current Traditional Medicine**)
- 57- Selective Spectrophotometric Method for the Hydrocortisone Butyrate Quantitative: Determination in Compounding Ointment in Presence of Nitrofurazone and Procaine Hydrochloride (**Journal Applied Pharmaceutical Sciences**)
- 58- An Improved RP-HPLC method development for quantitation of Telmisartan and Ramipril in human plasma (**Journal Applied Pharmaceutical Sciences**)

### **Reviewed papers for the year 2018**

- 59- Efficient Validated Method Of UPLC-MS/MS To Determine Curcumin In Rat Plasma And Ovarium (**Journal Applied Pharmaceutical Sciences**)
- 60- Development and Validation of UV-vis Spectrophotometric Method of Assay of Carbamazepine in Microparticles (**Journal Applied Pharmaceutical Sciences**)
- 61- The employment of spectroscopic techniques coupled with chemometrics for authentication analysis of halal pharmaceuticals (**Journal Applied Pharmaceutical Sciences**)

- 62- Enantiomeric separation of Key Starting Material of Dextromethorphan Hydrobromide by chiral liquid chromatography (**Journal Applied Pharmaceutical Sciences**)
- 63- RP-HPLC METHOD DEVELOPMENT AND VALIDATION FOR THE SIMULTANEOUS ESTIMATION OF ATORVASTATIN, SIMVASTATIN AND ROSUVASTATIN IN BULK AND PHARMACEUTICAL DOSAGE FORM (**African Journal of Pharmacy and Pharmacology**)
- 64- Biological screening of some novel pyrimidine compounds (**Acta Scientific Pharmaceutical Sciences**)
- 65- Development and Validation of Stability-Indicating HPLC/DAD Method for Simultaneous Determination of Brimonidine Tartrate and Brinzolamide in Their Combined Ophthalmic Preparation (**Drug Development and Industrial Pharmacy**)
- 66- Pharmaceutical Equivalent analysis work for Fexofenadine Preparations accessible in Pakistan (**SAJ Pharmacy and Pharmacology (SAJPP)**)
- 67- METHOD DEVELOPMENT AND VALIDATIONS OF APIXABAN IN BULK AND ITS FORMULATIONS BY UV-SPECTROSCOPY (AREA UNDER CURVE) (**Journal Applied Pharmaceutical Sciences**)
- 68- Simultaneous determination of Pyrazinamide, Rifampicin, Ethambutol, Isoniazid and Acetyl Isoniazid in human plasma by LC-MS/MS method (**Journal Applied Pharmaceutical Sciences**)
- 69- RP-HPLC METHOD FOR THE QUANTIFICATION OF EMPAGLIFLOZIN DRUG IN HUMAN PLASMA (**Journal Applied Pharmaceutical Sciences**)
- 70- UV-spectrophotometry versus HPLC-PDA for dual drug dissolution profiling; which technique provides a closer step towards green biowaiver concept? Novel application on the recently FDA-approved mixture Aleve (**Chemical Papers**)
- 71- Development and Validation Method for Simultaneous Analysis of Retinoic Acid, Hydroquinon and Corticosteroid in Cream Formula by High Performance Liquid Chromatography (**Journal Applied Pharmaceutical Sciences**)
- 72- Concurrent analysis of two cytotoxic diterpenes in the bioactive chloroform extract of *Plectranthus barbatus* by applying validated high performance thin layer chromatography method (**Journal of chromatographic science JCS-17-179**)

- 73- A Validated Rapid Reversed-Phase High Performance Liquid Chromatographic for Determination of Risperidone and Benzoic Acid, for the (**Journal of Applied Pharmaceutical Science**).
- 74- Development and Validation Method for Simultaneous Analysis of Retinoic Acid, Hydroquinon and Corticosteroid in Cream Formula by High Performance Liquid Chromatography, for the (**Journal of Applied Pharmaceutical Science**).
- 75- Nano graphene oxide as solid phase extraction adsorbent coupled with dispersive liquid-liquid microextraction to determine ultra-trace quantities of propranolol from urine samples, for Austin publishing group (**Austin Journal of Chemistry**).
- 76- Capillary Electrophoresis with Laser Induced Fluorescence detection for Study of the Association of HSP60 Gene Polymorphism with Gouty Arthritis, (**Journal of AOAC INTERNATIONAL**). # 18-0242, 23 august 2018
- 77- Analysis of acetaminophen, mefenamic acid, sibrutamine hydrochloride and sildenafil citrate in herbal medicines, for the (**Journal of Applied Pharmaceutical Science**).1 September 2018
- 78- Bioequivalent study of 20 mg micronised Domperidone tablets as a comparator of conventional Domperidone tablet in Healthy Indian Volunteers. AJPP-04.08.18-4955 (**African Journal of Pharmacy and Pharmacology**).
- 79- A Validated Rapid Reversed-Phase High Performance Liquid Chromatographic for Determination of Risperidone and Benzoic Acid, for the (**Journal of Applied Pharmaceutical Science**).
- 80- Determination of Aflatoxin Contents of Some Chips and Snacks with Peanut by Post-Column UV Derivatization System, SciTech-18-850 (**SciTechnol**)
- 81- An Approach to Select Linear Regression Model in Bioanalytical Method Validation (**Journal of Analytical Science and Technology**) JANS-D-18-00087.
- 82- Determination of thiacloprid, thiamethoxam and imidacloprid in tea samples by quenching on terbium luminescence, BIO-18-284 (**Luminescence: The Journal of Biological and Chemical Luminescence**).
- 83- Fast determination of omeprazole in extemporaneous suspensions used in paediatrics and stability studies (**Analytical Methods**).
- 84- Development of Stability Indicating HPLC-DAD and HPTLC Methods and Structural Elucidation of Carbimazole and Its Hydrolytic and Oxidative Degradation Products, JPBA\_2018\_2135 (**Journal of Pharmaceutical and Biomedical Analysis**)



- 85- Development and Validation of Spectrophotometric Method for Determination of Gabapentin in Bulk and Pharmaceutical Dosage Forms (**Journal of Applied Pharmaceutical Science**).
- 86- Suitability of Chromatographic Chemistry for Simultaneous Estimation of Certain Imidazoles with Variant Anti-Infective Activity in Their Dosage Forms and Human Plasma, MICROC\_2018\_1579 (**Microchemical Journal**)
- 87- Stability indicating RP-HPLC method for the Simultaneous Estimation of Lamivudine, Tenofovir Disoproxil Fumarate and Dolutegravir in Drug Product (**Journal of Applied Pharmaceutical Science**).
- 88- Eco-friendly pharmaceutical analysis of rifaximin in tablets by HPLC-MS and microbiological turbidimetry, # jssc.201801245 (**Journal of Separation Science**).

### **Reviewed papers for the year 2019**

- 89- Comparison of determination of sugar-PMP derivatives by two different stationary phases and two HPLC detectors: C18 vs. amide columns and DAD vs. ELSD, MICROC\_2019\_47 (**Microchemical Journal**)
- 90- A SIMPLIFIED METHOD DEVELOPMENT AND VALIDATION FOR THE QUANTIFICATION OF GEFITINIB IN HUMAN PLASMA BY LC-ESI-MS/MS (**Journal of Applied Pharmaceutical Science**).
- 91- Application of design expert statistical software for optimization of sustained release matrix tablet of micronized domperidone using Central composite design modeling (**African Journal of Pharmacy and Pharmacology**)
- 92- The use of merbromin fluorescence quenching for the assay of silymarin in its natural source and pharmaceutical preparations, ID TACL-2018-0113 (**Analytical Chemistry Letters**).
- 93- Development of Validated Stability Indicating RP-HPLC Method for the Estimation of Glecaprevir and Pibrentasvir in Bulk and Pharmaceutical Dosage Form (**Journal of Applied Pharmaceutical Science**).
- 94- Effect of amodiaquine on the pharmacokinetics of gliclazide in diabetic subjects (**African Journal of Pharmacy and Pharmacology, academic journal**)

- 95- Comparison of determination of sugar-PMP derivatives by two different stationary phases and two HPLC detectors: C<sub>18</sub> vs. amide columns and DAD vs. ELSD (**Microchemical journal**).
- 96- Determination and tissue distribution studies of dantrolene sodium with hydroxypropyl- $\beta$ -cyclodextrin in rat tissue by HPLC/MS/MS (**Biomedical chromatography**).
- 97- Stability study and oxidative degradation kinetics of posaconazole (**Microchemical journal**).
- 98- Comprehensive Stability-Indicating HPLC-DAD Method for Simultaneous Determination of Amprolium HCl and Ethopabate in Powder Dosage Form for Veterinary Use (**Journal of separation science**)
- 99- Analytical Method Validation of Reversed Phase HPLC for Quantitative Analysis of Tartrazine and Auramine O in powder drinks (**Journal of Applied Pharmaceutical Science**).
- 100- Forced degradation behavior of two-drug combinations: isolation and characterization of major degradation products by LC-MS (**Microchemical journal**)
- 101- Development and validation of a generic RP-HPLC PDA method for the simultaneous separation and quantification of active ingredients in cold and cough medicines. (**Biomedical chromatography**).
- 102- Study of critical factors involved in degradation of Norfloxacin by Design of Experiment approach using UV-Spectrophotometer (**Journal of Applied Pharmaceutical Science**).
- 103- Validated Stability – Indicating Methods for Determination of Sofosbuvir by UPLC and HPTLC in Pure Form and Tablet Dosage forms. (**Journal AJACR**)
- 104- Green Chemistry Aspects in Analytical Chemistry Applications, (**Reviews in analytical chemistry**)
- 105- A rapid and non-invasive fluorescence method for quantifying coenzyme Q10 in blood and urine in clinical analysis, (**Journal of clinical laboratory analysis**)
- 106- Spectrophotometric Methods for Simultaneous Determination of Rosuvastatin Calcium, Timolol Maleat and Diclofenac Sodium in Pharmaceutical Ternary Mixture and Spiked Human Plasma, (**Journal of Applied Pharmaceutical Science**).

- 107- Prediction of ocular toxicity of proparacaine hydrochloride degradants characterized by LC and LC-MS/MS (**Microchemical journal**)
- 108- Core shell column in high-performance liquid chromatography HPLC for the determination of polar compounds; troxerutin and carbazochrome, (**Istanbul Journal of Pharmacy**)
- 109- Analytical Method Development and Validation of Dimethoate Pesticide using RP-HPLC Method (**J App Pharm Sci**)
- 110- A VALIDATED STABILITY INDICATING RP-HPLC METHOD WITH PDA DETECTOR FOR THE SIMULTANEOUS ESTIMATION OF VELPATASVIR AND SOFOSBUVIR IN BULK AND TABLET DOSAGE FORM (**J App Pharm Sci**)
- 111- Therapeutic effectiveness assessment of antiviral drugs used in chronic hepatitis treatment in Côte d'Ivoire (**African Journal of Pharmacy and Pharmacology**)
- 112- First derivative synchronous spectrofluorimetric method for estimation of losartan potassium and atorvastatin in pure form and tablets (**Luminescence: The Journal of Biological and Chemical Luminescence**)
- 113- Development and validation of a stability indicating UHPLC method for Sacubitril/Valsartan complex in the presence of impurities and degradation products (**J App Pharm Sci**)
- 114- Modeling and Optimization of a Jackfruit Seed based Supercapacitor Electrode using Machine Learning (**Chemical Engineering & Technology**)
- 115- RP-HPLC and UV spectrophotometric analysis of paracetamol, ibuprofen and caffeine in solid pharmaceutical dosage forms by derivative, Fourier and wavelet transforms: A comparison study (**Journal of Analytical Methods in Chemistry, Hindawi**)
- 116- LC - MS METHOD DEVELOPMENT FOR THE QUANTITATION OF POTENTIAL GENOTOXIC IMPURITY 2-METHYL6-NITRO ANILINE IN TELMISARTAN API (**J App Pharm Sci**)

### **Reviewed papers for the year 2020**

- 117- Application of total error concept in the analytical method validation for the assay of essential amino acids by pre-column derivatization, 19-1575366837 **J App Pharm Sci.**

- 118- Novel HPTLC densitometric methods for determination of tamsulosin HCl and tadalafil in their newly formulated dosage form; Comparative study and green profile assessment, Manuscript ID BMC-20-0007 , **Biomedical Chromatography**.
- 119- Nebivolol: A Critical review of Properties and Analytical Methods in Pharmaceuticals and Biological Matrices, BATC-2020-0024 , **Critical Reviews in Analytical Chemistry**.
- 120- Simultaneous determination of a novel non-vitamin K antagonist oral anticoagulant; betrixaban with co-administered lercanidipine by using RP-HPLC, (6732398), **Journal of Analytical Methods in Chemistry**.
- 121- Pipeline for the removal of hardware related artifacts and background noise for Raman spectroscopy, MEX-D-19-00410R1, **Methods X**.
- 122- DEVELOPMENT AND VALIDATION OF TWO SPECTROPHOTOMETRIC METHODS FOR SIMULTANEOUS DETERMINATION OF DIOSMINE AND HESPIRIDIN IN MIXTURE AND THEIR APPLICATIONS, 19-1574719514, **J App Pharm Sci**.
- 123- Ecofriendly Chromatographic Methods for Determination of Co-prescribed Drugs; Olanzapine and Metformin in Rat plasma, Manuscript ID BIO-2020-0009, **Bioanalysis**.
- 124- Analytical and Bio-analytical Method Development and Validation of Dimethoate Pesticide using RP-HPLC Method, 19-1575165588, **J App Pharm Sci**.
- 125- Graphical spectrophotometric and multivariate calibration techniques for simultaneous determination of different drugs in pharmaceutical formulations and human urine: evaluation of greenness profile, **Journal of Analytical Methods in Chemistry**.
- 126- Simultaneous detection and quantification of Salbutamol Sulphate and Ipratropium Bromide in pure form and from in-vitro drug release studies of a novel combinational transdermal formulation: An application of robust validated analytical RP-HPLC method, 19-1583277869, **J App Pharm Sci**.
- 127- Validated Stability – Indicating UV Spectrophotometric Methods for Determination of Sofosbuvir in Pure Form and pharmaceutical Dosage forms. Ms\_AJACR\_56118, **Asian Journal of Applied Chemistry Research**.
- 128- New Approaches in the treatment of Covid-19 virus, Review, JVAT 202320, **journal of virus adaption and treatment**.

- 129- Chromatographic estimation of curcumin from nanocochleates: Application to 1 Pharmacokinetic study in rats, 5892, **Acta Chimica Slovenica**.
- 130- A thorough HPLC Assay of Quaternary Veterinary Formulation coupled with Environmental Assessment Tool, Manuscript ID GEAC-2020-0594, **International Journal of Environmental Analytical Chemistry**.
- 131- Development and Validation of Simultaneous Analysis of AmlodipineBesylate and Valsartan in Human Plasma Using Liquid Chromatography Tandem Mass Spectrometry, 19-1585302701, **J App Pharm Sci**.
- 132- HPTLC- DENSITOMETRIC METHOD FOR SIMULTANEOUS ESTIMATION OF OLMESARTAN MEDOXOMIL AND CHLORTHALIDONE IN TABLET DOSAGE FORM, Manuscript ID TACL-2020-0042, **Analytical Chemistry Letters**.
- 133- Development and validation of UV- spectrophotometric and RP-HPLC Method For the analysis of Raw material and formulations of Aceclofenac, 02.06.20-5163, **African Journal of Pharmacy and Pharmacology**.
- 134- 134. DETERMINATION OF ENANTIOMER IMPURITY IN BORTEZOMIB LYO INJECTION FORMULATION BY USING NORMAL PHASE LIQUID CHROMATOGRAPHY (ARABJC-D-20-00472) for Arabian Journal of Chemistry
- 135- 135. Development and validation of UV- spectrophotometric and RP HPLC Method For the analysis of Raw material and formulations of Aceclofenac (AJPP-02.06.20-5163) for African Journal of Pharmacy and Pharmacology

## **Awards**

- 1- Alexandria University Award for publishing in ranked international journals since 2010 till now.
- 2- ACDIMA Award “Arab Company for Drug Industries and Medical Appliances” 2011, Amman, Jordan, for the best scientific research in 2010.
- 3- Award of Alexandria University for Scientific Encouragement, 2015.
- 4- State Prize Award for Scientific Encouragement, 2017 (medical field).
- 5- Top 1% reviewer in Publons' global Peer Review Awards, 2018.

## Community services

- 1- Organizing the annual meeting of pharmaceutical analytical chemistry department since 2012-2013 and preparing department guide.
- 2- Participating in preparing the course specification, course reports and course matrix of the high education courses in the department (**till now**).
- 3- Academic supervisor for the students in the clinical program since 2010-2011 (**till now**).
- 4- Academic supervision for the student in the ordinary course and supervising their summer training since 2009-2010 till 2013-2014.
- 5- Member in the library committee in the faculty of pharmacy- University of Alexandria, in the year of 2011-2012
- 6- Member in the Education and Learning committee belonging to the Quality Assurance programme (**CIQAP**) since 2014-2015.
- 7- Member in the Resources committee belonging to the Quality Assurance programme (**CIQAP**) since 2015-2016 **till now**.
- 8- Assigned as the Quality Assurance administrator in the department for one year starting from **1/1/2016** till **1/1/2017**.
- 9- Member in community service and environmental development committee since **2016-2017 till 2017-2018**
- 10- Member in the control for exams supervision, exam results preparation and electronic marking since 2010 **till now**.
- 11- Participation in the organization of annual conference of faculty of pharmacy **2016-2017** which was held 6-7 November **2016**

- 12- Attendance of the annual conference of faculty of pharmacy **2018-2019** and being honored for winning the state encouragement award 2017 (medical field), sixth floor, old building, 29 November **2018**
- 13- Participating with a talk “Analysis of drugs and their related substances and impurities” in the cultural scientific program (2018) organized by the “The Arab Society of Materials Science”, held in the Institute of Graduate Studies and Research, **September, 10, 2018**.
- 14- A member of Arab Society of Materials Science since 2018 **till now**, 163 El Horreya Avenue, El Shatby, Institute of Graduate Studies and Research, Alexandria University, Alexandria, Egypt
- 15- Attending Faculty Conference held on 29 November 2018- Old building- sixth floor- at which I was honored for the State Award 2017 (medical field)
- 16- عضو فى لجنة فض المظاريف لشراء الاجهزة بالقسم وقد تم شراء جهاز  
**CE-DAD (2018-2019)**
- 17- Bench mark work for the post graduate courses of the department (under the supervision of Prof. Dr. Omya Abdelrazak, **2018-2019**)
- 18- Training of third year students of regular and clinical programs in **summer 2018-2019** which includes involving the students in the research work of Analytical chemistry with sara I. aboras (two students were trained).
- 19- HPLC workshop for students and fresh graduate **2018-2019**, Hands on HPLC with different detectors: theoretical and practical workshop, **19-22 August, 2019**, held at the Science Park, second floor, new building.
- 20- Participation in different workshops related to quality assurance and competency in faculty (**stated in workshops and conferences section**)
- 21- Attending the celebration of Pharmacy day: Towards a Brighter Pharmacy Career” **23-October-2019**, Sixth floor, old building.



- 22- Attending the workshop held by measurement and assessment centre titled “Practical and Oral exams” for staff members, Prof. Dr. Sahar El-Gewely, Fourth floor, old building, Faculty of pharmacy- Alexandria University, **14-October-2019**.
- 23- A member of the International Research Conference (IRC) Scientific and Technical Committee of **Pharmacological and Pharmaceutical Sciences**. Participating in the activities and events held by the committee in organizing conferences, blind peer review of abstract and papers submitted to the conferences or journals related to the committee (**2019**).

## **FUNDED RESEARCH PROJECTS**

**Research project funded by Academic Thesis Research Fund (ATRF), Faculty of Pharmacy, 2018, كلية الصيدلة, صندوق دعم بحوث الرسائل العلمية**

**Thesis title:** Analytical Studies for Challenging Problems in Determination of Some Nutraceuticals and Dietary Supplements in Different Matrices

**Student's name:** Sara Ismail Abd El Aziz Aboras

**Principal investigator (PI):** Prof. Dr. Heba Hassan Abdine

**Supervisory committee:**

**Prof. Dr. Mohammed Abdel-Tawab Korany**

Emeritus Professor of Pharmaceutical Analytical Chemistry, Faculty of Pharmacy, Alexandria University

**Prof. Dr. Heba Hassan Abdine**

Professor of Pharmaceutical Analytical Chemistry, Faculty of Pharmacy, Alexandria University

**Dr. Marwa Adel Abdel-latif Ragab**

Assistant Professor of Pharmaceutical Analytical Chemistry, Faculty of Pharmacy, Alexandria University

**Research partner(s):**

**Dr. Ahmed Fawzy El-Yazby**

Assistant professor of Pharmacology, Faculty of Pharmacy, Alexandria University

## **Course development**

- Development theoretical and practical courses of Quantitative Analytical Chemistry for second year Pharmacy students (Statistics) **“New part was installed in the course as theoretical lectures and practical lessons with the use of computers in the instrumental lab to make students familiar with Excel program”** Faculty of Pharmacy, Alexandria University, (2017-2018, 2018-2019, and 2019-2020).
- Bench mark work for the post graduate courses of the department (under the supervision of Prof. Dr. Omya Abdelrazak, **2018-2019**) for development of the postgraduate courses by matching our courses with the corresponding courses of the same department in international universities in Europe in order to keep up with them.