

PERSONAL INFORMATION

Marwa El-Zahry, PhD



-  Pharmaceutical Analytical Chemistry Department , Faculty of Pharmacy, Assiut University, Assiut, 71526, Egypt
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Sex Female | Date of birth 25/08/1978 | Nationality Egyptian

RESEARCH INTERESTS

Nanotechnology, Nanoparticles synthesis, Raman Spectroscopy, Raman Imaging, Spectroscopic techniques in pharmaceutical analysis, Chemometric analysis, Electronic microscopic techniques.

WORK EXPERIENCE

From 30-3-2015 to present

Lecturer

Pharmaceutical Analytical Chemistry Department, Faculty of Pharmacy, Assiut University, Assiut, Egypt.

- Undergraduate lecturer for the following courses: Pharmaceutical Analytical chemistry, Instrumental Pharmaceutical Analysis, Quality Control assurance.

From:18-6-2012 to 17-6-2014

PhD Researcher

Chemical Technology and Analytics Institute-Vienna University of Technology, Getreidemarkt 9/164 1060, Vienna, Austria.

- Training on Raman spectrometer, Silver Nanoparticles synthesis, Surface Enhanced Raman Spectroscopy, Electronic microscopes

From 15-6-2006 to 29-3-2015

Assistant Lecturer

Pharmaceutical Analytical Chemistry Department, Faculty of Pharmacy, Assiut University, Assiut, Egypt.

- Underground teaching assistant, involved in the following courses: Pharmaceutical Analytical Chemistry, Instrumental Pharmaceutical Analysis, Quality Control assurance.

From 30-12-2001 to 14-6-2006

Demonstrator

Pharmaceutical Analytical Chemistry Department, Faculty of Pharmacy, Assiut University, Assiut, Egypt.

- Underground teaching assistant, involved in the following courses: Pharmaceutical Analytical Chemistry, Instrumental Pharmaceutical Analysis, Quality Control assurance.

EDUCATION AND TRAINING

From 21-2-2011 to 30-3-2015

PhD in Pharmaceutical Analytical Chemistry

Thesis title: New Analytical Applications of Raman Spectroscopy

- PhD fellowship between Vienna University of Technology –Austria and Assiut University-Egypt

From: 15-6-2006 to 30-3-2015

M.Sc. in Pharmaceutical Analytical Chemistry

Thesis title: Spectrophotometric and Spectrofluorimetric Analysis of Water Soluble Vitamins in Pure Forms and in Pharmaceutical Formulations.

- Pharmaceutical Analytical Chemistry Department- Faculty of Pharmacy-Assiut University

From: 30-12-2001 to 15-6-2006

B.Sc. in Pharmaceutical Analytical Chemistry

- Pharmaceutical Analytical Chemistry Department- Faculty of Pharmacy-Assiut University

PERSONAL SKILLS

Mother tongue(s) Arabic

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C1/2	C1/2	C1/2	C1/2	C1/2
Replace with name of language certificate. Enter level if known.					
German	B1/2	A1/2	A1/2	A1/2	A1/2
Replace with name of language certificate. Enter level if known.					

Levels: A1/2: Basic user - B1/2: Independent user - C1/2 Proficient user
Common European Framework of Reference for Languages

Communication skills

- A communication skill has been improved through working in team work. I have been worked at various environments at different Universities in (Egypt - Austria)

Academic Training Courses

- TOEFL (iBt) with score = 81 (553)
- Preparation of university teacher - Training course, Assiut University, (May, 2003)
- Effective Teaching Techniques
- Ethics of Teaching, Technology aided Teaching
- Ethics of scientific research
- Communication skills
- Scientific publication, Faculty and Leadership Development Program, Assiut University, (2006).
- Quality standards in teaching process, Faculty and Leadership Development Program, Assiut University, (April, 2006).
- Legal issues of university - Faculty and Leadership Development Program, Assiut University, (November, 2008).
- Preparation and writing of scientific research for international publications - Faculty and Leadership Development Program, Assiut University, (March, 2008).
- Effective communication skills - Faculty and Leadership Development Program, Assiut University, (March, 2008).
- Ethics of scientific research, Faculty and Leadership Development Program, Assiut University, (April, 2008).
- Examinations systems and evaluating student, Faculty and Leadership Development Program, Assiut University, (April, 2008).

- Computer skills** ▪ Excellent command of computer on (Genetic Analysis, Statistical Analysis, Photoshop, Graphics, Office, Windows and Internet).
- Driving licence** ▪ Attend ICDL workshop (International Computer Driving Licence), 2006

ADDITIONAL INFORMATION

Journal Publications

- 1- Abdel-Maaboud I. Mohamed, Horria A. Mohamed, Niveen A. Mohamed and **Marwa R. El-Zahry**, *Spectrofluorimetric determination of some water -soluble vitamins*, AOAC, 2011, 94, 1758-1769.
- 2- Abdel-Maaboud I. Mohamed, Horria A. Mohamed, Niveen A. Mohamed and **Marwa R. El-Zahry** *Chemometric Methods for the Simultaneous Determination of Some Water-Soluble Vitamins*, AOAC, 2010, 93, 1-15.
- 3- **Marwa R. EL-Zahry**, Andreas Genner, Ibrahim H. Refaat, Horria A. Mohamed, Bernhard Lendl, *Highly reproducible SERS detection in sequential injection analysis: Real time preparation and application of photo-reduced silver substrate in a moving flow-cell*, Talanta, 2013, 116, 972-977.
- 4- **Marwa R. El-Zahry**, Amer Mahmoud, Ibrahim H. Refaat, Horria A. Mohamed, Holger Bohlmann, Bernhard Lendl, *Antibacterial effect of various shapes of silver nanoparticles monitored by SERS*, Talanta, 2015, 138, 183-189.
- 5- **Marwa R.EL-Zahry**, Ibrahim H. Refaat, Horria A. Mohamed, Erwin Rosenberg, Bernhard Lendl, *Utility of surface enhanced Raman spectroscopy (SERS) for elucidation and simultaneous determination of some penicillins and penicilloic acid using hydroxylamine silver nanoparticles*, Talanta, 2015, 144, 710-716.

Conferences Publications

- 1- Abdel-Maaboud I. Mohamed, Horria A. Mohamed, Niveen A. Mohamed and **Marwa R. El-Zahry**, *Multivariate methods for determination of binary, ternary and quaternary mixtures of some water-soluble vitamins*, Transactions of Assiut University 5th Pharmaceutical Science Conference, March, 2006.
- 2- Abdel-Maaboud I. Mohamed, Horria A. Mohamed, Niveen A. Mohamed and **Marwa R. El-Zahry**, *Derivative and derivative ratio spectra methods for determination of binary, ternary and quaternary mixtures of some water-soluble vitamins*, Transactions of Assiut University 5th Pharmaceutical Science Conference, March, 2006.
- 3- Sánchez-Illana, A, Kuligowski, J, **EL-Zahry MR**, Quintás G, Lendl B, Vento M, *Surface Enhanced Raman Spectroscopic direct determination of low molecular weight biothiols in umbilical cord whole blood*, Spanish Society of Nanotechnology, September, 2014.

References

Prof. Dr. Bernhard Lendl

Chemical Technology and Analytics Institute-Vienna University of Technology, Getreidemarkt 9/164 1060, Vienna, Austria.

Prof. Dr. Ibrahim Refaat

Pharmaceutical Analytical Chemistry Department, Faculty of Pharmacy, Assiut University, Assiut, Egypt.

Prof. Dr. Horria Mohamed

Pharmaceutical Analytical Chemistry Department, Faculty of Pharmacy, Assiut University, Assiut, Egypt.