

## PERSONAL INFORMATION



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Sex Female | Date of birth 01/10/1987 | Nationality Egyptian

## TYPE OF APPLICATION

## WORK EXPERIENCE

12/04/2009–Present

**Assistant lecturer of Biochemistry in the Chemistry Department, Faculty of Science , Zagazig University (2014-now):**
**Job Description:**

- Teaching Practical Biochemistry courses such as:
- Carbohydrate, Lipids, Proteins, Vitamins, Biological Functions Immunology, Cancer Biology, Molecular Biology, Genetic Engineering, Body Fluids, and chromatography.

**Research Assistant, Biochemistry and Molecular Biology Department, Theodor Bilharz Research Institute (TBRI) (2009-2013):**
**Job Description:**

- Working at Biochemistry and Molecular Biology labs and training on Extraction of DNA and RNA from blood samples.
- -Semi-Quantitative Polymerase Chain Reaction (PCR).
- Molecular Cloning into Prokaryotic system.
- Recombinant Protein Expression in Escherichia coli.
- Agarose and polyacrylamide gel electrophoresis.
- Working at Nano biotechnology lab with training on: "Synthesis of polyelectrolyte microcapsules as drug delivery system and characterization by SEM and TEM".
- Working at cell culture unit and training on: "Cytotoxic assay (antiviral assay and MTT Assay on cell cultures)". Participating in many research projects in Theodore Bilharz Research Institute.

## EDUCATION AND TRAINING

- **M.Sc. Degree in biochemistry (2014):** title: "Studies on Nanoengineered Multilayer Capsules for Drug Delivery) faculty of science, Zagazig university).
- **B.Sc. Degree (2008):Biochemistry** with grade (Excellent), Faculty of Science Zagazig Univ., Egypt.

## PERSONAL SKILLS

Mother tongue(s) Arabic

Other language(s)

UNDERSTANDING		SPEAKING		WRITING
Listening	Reading	Spoken interaction	Spoken production	
B1	B2	B1	B2	B2

Levels: A1 and A2: Basic user - B1 and B2: Independent user - C1 and C2: Proficient user  
Common European Framework of Reference for Languages

Job-related skills

- Collection of blood samples from the patients for diagnosis of diseases.
- Extaction of DNA and RNA from blood and tissues.
- Dealing with all chemicals and preparation of different concentrations from reagents and Buffers.
- Using different techniques such as gel electrophoresis and PCR for diagnosis of diseases.
- Training on cloning techniques such as miniprep and large scale .
- Synthesis of polyelectrolyte microcapsules as anovel drug delivery system.
- Dealing with all cell culture methods such preparation of suitable media for specific cell line and testing the cytotoxicity of the prepared capsules by MTT assay.
- Dealing with instruments for characterization such as Scanning Electron Microscope , Transmission Electron Microscopes, fluorescence microscope.
- Using computer programs for statistical analysis for obtained data.
- Writing and presenting analytical reports.

## ADDITIONAL INFORMATION

Conferences and publications

- Training course on Practical Application Of Medical Laboratory Investigations (**2007**), in the Medical Training Department in Banha Teaching Hospital, Egypt.
- Certificate of attendance the second international seminar in microbiology in TBRI 25<sup>th</sup> October **2009** between TBRI and Beaujon Hospital (**France**).
- Certificate of attending and participating in the 3<sup>rd</sup> international conference of Genetic Engineering & Biotechnology Research Division (Biotechnology For Better Life) in National Research Centre November **2009** in TBRI.
- Certificate of attendance the workshop of the nanotechnology and biomaterials in tissue engineering and drug delivery in nanotechnology lab in Cairo University (**2013**).

### Publications:

**Faten Z.Mohamed, Mohamed A. Shemis, Mona N.Moharib and Heba A.Hosiny. (2013):** Studies on Nanoengineered Multilayer Capsules for Drug Delivery. Biochemistry letters, Zagazig University,8 (2013)26-41.

**Faten Z.Mohamed, Mohamed A. Shemis, Mona N.Moharib and Heba A.Hosiny. (2015):** Studies on Nanoengineered Multilayer Capsules for Drug Delivery. Indian Journal of Novel Drug delivery 7(2), Apr-Jun, 2015, 62-72.

ANNEXES

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- BSC
- TRANSCRIPT
- MSC
- IELTS
- TRAINING
- TRAINING
- TRAINING