Curriculum Vitae

Personal Information

Name	:	Shaimaa Abd El-Raof Mohamed Abd El-Mohsen
Nationality	:	Egyptian
Date of Birth	:	11 January 1987
Place of Birth	:	Cairo, Egypt
Address	:	Khesro Basha Street, No. 42, Helwan, Cairo, Egypt.
Sex	:	Female
Marital Status	:	Married

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Education

2011- Till now **PhD in Molecular Biophysics,** Faculty of Science, Cairo University, Egypt**.**

-Thesis title: "***Genetic and Biological Applications for Agrobacterium after Treatment with Magnetic and Electromagnetic Fields"***

2009 – 2011 **M.Sc. degree in Molecular Biophysics,** Faculty of Science, Cairo University, Egypt.

- Thesis title: **"*Experimental and Theoretical Studies for the Control of Bacterial Growth by Using Extremely Low Frequency (ELF) Electromagnetic Signals at Resonance Frequency*"**

- Thesis referee: Professor **Mustafa Salih Celik**
Head of Biophysics Department,
Faculty of Medicine,
Dicle University,
Diyarbakir/ Turkey

2009 **Pre-Master in Molecular Biophysics,** Faculty of Science, Cairo University, Egypt.

- **Accumulative grade of Pre-Master**: Distinguished

- The Pre-Master program is a preparatory program for entering the Master course at Cairo University. The program included attending lectures, submitting reports, and taking examinations on specific topics. The topics of the Pre-Master program included: Technology of Drug and Biomolecules Carriers System, Macromolecular Spectroscopy**,** Molecular Biophysics, Biomathematics, Magnetic Properties of Biomolecules, Membrane and Cell Biophysics.

2008 **B.Sc. in Biophysics,** Faculty of Science, Cairo University, Egypt.

- Accumulative grade of B.Sc.: Distinguished
- Title of the graduation essay: "Radiotherapy Planning"
- Grade of the graduation essay: **A**$^{+}$

Profession Related Experience

2009 – Up till now **Assistant Lecturer** **Cairo University, Egypt**

- Teach and illustrate practical courses for undergraduate & postgraduate levels.
- Specific courses include: Bio-electronics, Radiation Biophysics and Molecular Biophysics.

Training Courses

- **July 2011,** has attended and met the standards required for completion of a training course in" ***Publishing of Research*** ", Faculty and Leadership Development Center, Egypt.

- **March 2011,** has attended and met the standards required for completion of a training course in" **Using of Technology in Teaching**", Faculty and Leadership Development Center, Egypt.

- **November 2010,** has attended and met the standards required for completion of a training course in" ***Student Evaluation*** ", Faculty and Leadership Development Center, Egypt.

- **May 2010,** has attended and met the standards required for completion of a training course in" ***Communication skills*** ", Faculty and Leadership Development Center, Egypt.

- **January 2010**, has attended and met the standards required for completion of a training course in" ***Presentation skills*** ", Faculty and Leadership Development Center, Egypt.

- **September 2009**, has attended and met the standards required for completion of a training course in" ***Profession Behavior*** ", Faculty and Leadership Development Center, Egypt.

- **March 2008,** has successfully attended training course in National Institute of Oncology, Egypt, Studying Practical Cancer Biology Course in the fourth undergraduate year at the Molecular Biology Department including: Polymerase Chain Reaction, Tissue Culture, and Southern, Northern, &Western Blot techniques.

- **August 2007,** entered a training course at Radiation Oncology and Nuclear Medicine Departments, Kasr El-Ainy Educational Hospital, Egypt, studying Radiotherapy Treatment Planning (2D & 3D), Dose Calculation, Quality Assurance for Linear accelerator & Cobalt 60 Machines, Radiation Protection, and Gamma Camera.

- **July 2006,** has successfully attended a basic training course in Clinical Biochemistry studying some common laboratory techniques used in biochemistry and clinical chemistry and the scientific principles upon which these are based. This included: Numeracy, Rapid analytical techniques for diagnosing diabetes, ELISA and Electrophoresis of haemoglobin - use in diagnosis, National Research Center, Egypt.

Conferences and Workshops:

- The 2nd international workshop on "***Nuclear Science Peaceful Applications***", Medical Physics and Radiation protection, held from 11/01/2011 to 13/01/2011, Cairo University, Egypt.

- Participation in" ***Research Basics***" workshop held from 21/4/2010 to 22/4/2010, New Kasr Al-Ainy Educational Hospital, Cairo, Egypt.

List of Publications:

Fadel MA , Mohamed SA, Abdelbacki AM, El-Sharkawy AH (2014)," Inhibition of *Salmonella typhi* growth using extremely low frequency electromagnetic (ELF-EM) waves at resonance frequency". J Appl Microbiol. 117(2):358-65.

Honors

2009, has awarded the prize of the best Demonstrator in Biophysics Department, Faculty of Science, Cairo University, Egypt.

Activities

- Participation in all conferences, workshops and scientific discussions held at the Biophysics Department, Faculty of Science, Cairo University.

- Working at the unit of Performance Evaluation and Quality Assurance through the project of Continuous Improvement and Qualifying for Accreditation in Faculty of Science, Cairo University.

Languages

English: - Undergraduate & postgraduate education conducted in English.
- Very good in speaking, listening, reading and writing English.

TOEFL Score: **540**

French: Fair

German: Fair

Computer Skills

- Has The International Computer Driving License (ICDL).
- C^{++} Programming.

Referees

1. **Prof. Dr. Fadel M. Ali**
   Professor of Radiation and Medical Biophysics, Biophysics Department, Faculty of Science, Cairo University. International Radiation Protection Consultant.
   E-mail: **fadelaga48@gmail.com**

2. **Dr. Reem H. El-Gebaly**
   Assistant professor of Biophysics, Biophysics Department, Faculty of Science, Cairo University.
   E-mail: **r_elgebaly@msn.com**