

Eman A. Abdelfatah

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EDUCATION

[Cairo University, Egypt](#)

(Top university in Egypt)

Ph.D Biophysics 2014 (Molecular Biophysics)

Dissertation: Assessment of the Therapeutic Efficacy of Curcumin –Loaded Nanoparticles as Natural Anticancer Agent.

[Cairo University, Egypt](#)

(Top university in Egypt)

M.Sc. Biophysics 2007 (Molecular Biophysics) (Grade: distinction)

Dissertation: Effect of Storage Conditions on Some Biophysical Properties of Wheat.

[Cairo University, Egypt](#)

B.Sc. Biophysics 2003 (Honors)

Accumulative Score Percentage: 83 % (Accumulative grade: Very Good)

Rank among the batch: 9th top – student (out of 600 students)

RELATED EXPERIENCE

[Department of Biophysics, Faculty of Science, Cairo University, Cairo, Egypt](#)

Teaching Assistant (Full Time) 2003 – Until Now

I Teach and demonstrate practical laboratory experiments for undergraduate students.

Courses I teach include: Practical Medical Physics, and Practical Biomolecular Spectroscopy.

Department of Biophysics, Faculty of Science, Cairo University, Giza, Egypt.

Master Course 2003 - 2007

(Supervised by Prof. Maha Anwar Ali)

Course work: During master program, I did some course work besides doing research and writing a thesis. Course work included: submitting reports, attending lectures and taking examinations in some topics. These topics included: Bio-Macromolecular Spectroscopy, Biophysical Chemistry, Membrane Biophysics, and Bioenergetics.

Thesis & Research: My research focused on studying the effect of moisture content as a storage criterion on quality of whole wheat flour. The objectives of this study were to :

- 1) Investigating the thermal changes of wheat that occurs due to changes in moisture content by using differential scanning calorimetry (DSC) and thermogravimetric analysis (TGA);
- 2) Studying the changes of electrical properties as a function of moisture content.

These objectives were targeted as a first step in the development of a method to assess the main quality indices of wheat that are deeply influenced by moisture content.

Ph.D Course Work: 2012

I did some course work included: submitting reports, attending lectures and taking examinations in some topics. These topics included: Neurobiophysics, Cellular biophysics and Cancer, Bioenergetic, Biotechnology. **(All courses Grades: distinction)**

My research for Ph.D: (2014)

Enhancement of the bioavailability of natural anticancer agent “Curcumin” using nanoparticles. And studying their therapeutic efficacy for cancer.

CERTIFICATIONS**TOEFL**

Score: 86 / 120 (Internet – Based)

REFEREES**Prof. Maha Anwar Ali**

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Prof. Anwar Abdel-Azeem

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