

## PERSONAL INFORMATION:

**NAME: Hanan Basioni Ahmed Awd Allah**

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Sex| female(married) | **Date of birth** 14/03/1983 | **Nationality** Egyptian.

## POSITION

Lecturer of Organic Chemistry, Faculty Of Science, Helwan University, Cairo, Egypt.

## WORK EXPERIENCE:

- **M.Sc. fellows** in faculty of Science, Helwan university (September 2004- 2010),
- **Ph.D. Student** in institute of textile chemistry and physics, Dorinbirn, Innsbruck university, Austria (October 2010- 2011)
- **Assistant lecturer** in faculty of science, Helwan University (August 2012- May 2014).
- **Lecturer of organic chemistry** in faculty of science, Helwan University (September 2014 till now).

## EDUCATION AND TRAINING:

- B.Sc. In Chemistry and Biochemistry (Very Good With Degree of Honour), May 2004.
- M.SC In Applied Organic Chemistry, May 2008
- Ph.D. In Applied Organic Chemistry, September 2014
- TOT1. In Faculty Of Science, Helwan University, September 2014.

### LANGUAGE SKILLS:

Mother tongue(s) : Arabic

Other language(s) : - English: Excellent in listening, reading and writing.

- French and Dutch: fluent.

### JOB-RELATED SKILLS:

- Teaching of different branches in organic chemistry for different faculties in Helwan university: Practical course for synthesis of some Heterocyclic compounds in faculty of education and faculty of science,
- Practical course for Qualitative analysis of simple organic and inorganic compounds in faculty of arts, faculty of applied arts , faculty of engineering , faculty of education , faculty of home economics and faculty of science.
- Practical course for Synthesis of different organic compounds in in faculty of arts, faculty of applied arts, faculty of education, faculty of home economics and faculty of science.
- Practical course for Synthesis of dyes and dyeing in faculty of arts, faculty of applied arts, faculty of education, faculty of home economics and faculty of science.
- Practical course for Identification of mixtures for simple organic compounds in faculty of science and faculty of education.
- Practical course for Chemistry of natural products in faculty of science and faculty of education.
- Chemical reactivity of mono-functional organic compounds (organic chemistry 2).
- Chemical reactivity of Bi-functional organic compounds (organic chemistry 3a).
- Introduction to physical organic chemistry (organic chemistry3b).
- Advanced physical organic chemistry (organic chemistry4).
- Chemistry of polymers (organic chemistry 5).
- Chemistry of heterocyclic compounds (organic chemistry 6).
- Chemistry and chemical reactivity of Alicyclic and poly-nuclear compounds(organic chemistry 7)

### LIST OF PUBLICATIONS:

1. Magdy Kandil Zahran and **Hanan Basioni Ahmed**. "New Formulation For Bleaching Cotton Fabrics", *Egyptian journal of chemistry*, **2007**, 51, 2, 291-299.
2. Magdy Kandil Zahran, **Hanan Basioni Ahmed**. "Greener approach for full flax bleaching ", *Journal of The Textile Institute*, **2010** , 101, 7, 674-678.
3. El-Rafie, M. H.; **Ahmed, H. B.**; Zahran, M. K. "Characterization of nanosilver coated cotton fabrics and evaluation of its antibacterial efficacy", *Carbohydrate polymers*, **2014**, 107, 174–181.
4. Zahran, M. K.; **Ahmed, H. B.**; El-Rafie, M. H. "Alginate mediate for synthesis controllable sized AgNPs", *Carbohydrate polymers*, **2014**, 111, 10–17.
5. Zahran, M. K.; **Ahmed, H. B.**; El-Rafie, M. H. "Facile Size-Regulated Synthesis of Silver Nanoparticles Using Pectin", *Carbohydrate polymers*, **2014**, 111, 971–978.
6. Zahran, M. K.; **Ahmed, H. B.**; El-Rafie, M. H. "Surface modification of cotton fabrics for antibacterial application by coating with AgNPs-Alginate composite", *Carbohydrate polymers*, **2014**, 108, 145–152.
7. El-Rafie, M. H.; **Ahmed, H. B.**; Zahran, M. K. "Facile precursor for synthesis of silver nanoparticles using alkali treated maize starch", *International Scholarly Research Notices*, <http://dx.doi.org/10.1155/2014/702396>.
8. Hossam E. Emam, M. H. El-Rafie, **Hanan B. Ahmed**, M. K. Zahran; "Room Temperature Synthesis of Metallic Nanosilver Using Acacia to Impart Durable Biocidal Effect on Cotton Fabrics", *Fibers and Polymers* **2015**, 16(8), 1676 – 1687.
9. **Hanan B. Ahmed**, Mohammed H. El-Rafie, Magdy K. Zahran. "Bactericidal Evaluation of Nano-coated Cotton Fabrics", *American Journal of Nano Research and Application*, **2015**, In Press.
10. Hossam E. Emam, **Hanan B. Ahmed**; "Review: Polysaccharides templates for assembly of nanosilver", *Carbohydrate Polymers*, **2016**, 135, 300 – 307.

## Conferences:

- Thomas Bechtold; Hanan Basioni Ahmed, Magdy Kandil Zahran, M.H.EL-Rafie "Synthesis and characterization of silver nanoparticles using natural polymers ",publishing of abstract, *STEP-ITN / EPNOE 2<sup>nd</sup> End-Year Meeting, MINES Paris Tech / Cemef , Sophia Antipolis-France*, 28 September – 1 October, **2010**.