

**Email Address :**

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**Website:**

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**Language:**

- ❖ Arabic
- ❖ English

**Gender: Female**

**DOB: 15-7-1976**

**Nationality: Egyptian**

**Research Interest**

- Polymer nanocomposites
- Fullerenes and carbon nanotube.
- Nano silica and Nano gold.
- Thiol – ene click chemistry.
- Polyurethane chemistry.
- Nanoscience and nanotechnology
- Nanotechnology applications.

**Computer Skills**

Word, Excel, PowerPoint, Access, Outlook, Photoshop.

# Curriculum Vitae

Hanaa M. Abulmagd Ahmed  
**Lecturer**

Faculty Of Engineering- Shubra  
Benha University  
Department of Engineering  
Mathematics and Physics

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## QUALIFICATIONS

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- ❖ **Doctorate in Chemistry - Department of Chemistry - College of Science and technology – University of Southern Mississippi, Mississippi state – (2011)**
- ❖ **Master Degree in Chemistry – Department of Chemistry - Helwan University – (2004)**
- ❖ **Bachelor of Science Degree in chemistry – Certificate of Graduation – Department of Chemistry - Helwan University – (1998)**

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## PROFESSIONAL EXPERIENCE

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- ❖ **Lecturer - Department of Engineering Science - Faculty of Engineering, Shubra, Benha University - (2011-to current).**
- ❖ **Assistant Researcher at University of Southern Mississippi, Mississippi state, USA from 2007-2011.**
- ❖ **Teaching Assistant (for senior students) for Physical and inorganic Chemistry at University of Southern Mississippi, Mississippi state, USA from 2008-2010.**
- ❖ **Assistant lecturer- Department of Engineering Science - Faculty of Engineering, Shubra, Benha University - (2004-2007)**

- ❖ **Teaching Assistant- Department of Engineering Science - Faculty of Engineering, Shubra, Benha University - (1999-2004).**

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## SCIENTIFIC ACTIVITIES AND RESEARCH

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### LISTED OF PUBLICATIONS:

- ❖ **Preparation and Preliminary Dielectric Characterization of Structured C<sub>60</sub>-Thiol-Ene Polymer Nanocomposites Assembled Using the Thiol-Ene Click Reaction, Hanaa M. Ahmed, Amber D. Windham, Maryam M. Al-Ejji, Noora H. Al-Qahtani, Mohammad K. Hassan, Kenneth A. Mauritz, Randy K. Buchanan and J. Paige Buchanan, Materials 2015, 8, 7795–7804.**
- ❖ **Dielectric Properties of C<sub>60</sub> and Sc<sub>3</sub>N@C<sub>80</sub> Fullerenol Containing Polyurethane Nanocomposites, Hanaa M. Ahmed, Mohammad K. Hassan, Kenneth A. Mauritz, Steven L. Bunkley, Randy K. Buchanan, and J. Paige Buchanan, Journal of Applied Polymer Science, 2014 131, 40577.**
- ❖ **Physical and Dielectric Properties of Fullerene-Containing Polyurethane, Ahmed, Hanaa M.; Stevenson, Steven; Hassan, Mohammad K.; Mauritz, Kenneth A.; Phillips, Janice Paige, 27th Annual Meeting for American Chemical Society, 2011**
- ❖ **Synthesis, characterization, and applications of metallic nitride fullerene polymer nanocomposites, J. Paige Phillips, Charles E. Hoyle, Bridget S. Confait<sup>1</sup>, D. Michelle McCluskey, Hanaa Ahmed,**

and Steven Stevenson, The 237th ACS National Meeting, March, 22-26, 2009.

- ❖ Physical and dielectric properties of Silica-PU nanocomposites, Hanaa M. Ahmed, Mohammad K. Hassan, J. Paige Buchanan and Kenneth A. Mauritz (submitted).
- ❖ Macromolecular dynamic of fullerenes and fullerene-containing polyurethane networks, Hanaa M. Ahmed, Mohammad K. Hassan, Kenneth A. Mauritz, and J. Paige Buchanan International Journal of Electrochemical Science, submitted.
- ❖ Toxic effects of fullerene C<sub>60</sub> derivative on liver in swiss albino mice, Doaa M. El-nagar, Hanaa M. Ahmed, Badr Abdullah Aldahmash, and Khalid Elfakki Ibrahim (submitted)

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## PARTICIPATION IN CONFERENCES:

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- ❖ THE 1ST INTERNATIONAL CONFERENCE IN MATERIALS SCIENCE & ENGINEERING (ICMSE)- Organized By Faculty of Engineering (Shoubra), Cairo, Egypt in February 2016.
- ❖ Mississippi Academy of Science at University of Southern Mississippi, Mississippi state, USA in February 2010, and I was owned the best graduate students presentation award
- ❖ 27th Annual Meeting for American Chemical Society (ACS) at Anaheim, California State, USA in March 2011, and I presented there.
- ❖ University of Southern Mississippi Symposiums at Mississippi state, USA in 2008, 2009, 2010 and 2011.

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## HONOR AND AWARD:

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- ❖ **PhD scholarship from Egyptian Scientific Research and High Education, 2007.**
- ❖ **The best graduate student presentation award from Mississippi Academy of Science, Mississippi state, USA in February 2010.**

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## TEACHING RESPONSIBILITIES

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### Undergraduate Courses:

- ❖ **Experimental General physical chemistry**
- ❖ **Experimental physical chemistry**
- ❖ **Experimental inorganic chemistry**
- ❖ **Experimental Organic chemistry**
- ❖ **Organic chemistry**
- ❖ **Physical chemistry**
- ❖ **History of Engineering Science**