

CURRICULUM VITAE

Amany Khalil Ibrahim Gaffer.

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EDUCATION AND TRAINING:

- 2003 B.Sc., Special Chemistry, (Excellent with honor), Faculty of science, Al-Azhar University.
- 2009 M.Sc., in Organic Chemistry, Faculty of Science, Ain Shams University.
- 2013 Ph.D., in in Organic Chemistry, Faculty of Science, Ain Shams University.

EMPLOYMENT

- 2005 Researcher Assistant, Petroleum Application Department, EPRI.
- 2009 Assistant Researcher, Petroleum Application Department, EPRI.
- 2014 Researcher, Petroleum Application Department, EPRI.

RESEARCH FOCUS:

1. Developing a new polymer nanocomposite based on biodegradable polymers filled with different nanomaterials.
2. Water treatment by using different nanogels and nanocomposites.
3. Developing a new route to the large-scale environmentally friendly production of highly conductive polymers composites for practical applications.

PUBLICATIONS:

- **Ayman M. Atta, Manar E. Abdel-Rauf, Nermine E. Maysour, Amani K.Gafer. Water-Based Oil Spill Dispersants Based on Rosin Formaldehyde Resins, Journal of Dispersion Science and Technology, 31:583–595, 2010.**
- **Ayman M. Atta, Ahmed F. El-Kafrawy, Manar E. Abdel-Rauf, Nermine E. Maysour, Amani K. Gafer. Surface and Thermodynamic Properties of Nonionic Surfactants Based on Rosin-Maleic Anhydride and Acrylic Acid Adducts, Journal of Dispersion Science and Technology, 31:567–576, 2010.**
- **Manar El-Sayed Abdel-Raouf1, Abdul-Raheim Mahmoud Abdul-Raheim1, Ahmed Fawzy El-Kafrawy, Nermine El-Sayed Maysour1, Amany Khalil Ibraheim and Abdel-Azim Ahmed Abdel-Azim, PHEMA magnetic nanogels for removal of Cu (II) ions from aqueous solution, International Journal of Chemistry and Material Science Vol. 1(2), pp. 036-044,2013.**
- **Amany Gaffer, Delvin Aman , Preparation and Characterization of Conductive Polymer/Reduced Graphite Oxide (RGO) Composite via Miniemulsion Polymerization, Journal of Chemical and Process Engineering Research, Vol.38,2015.**
- **Amany Gaffer, Amal A. Al Kahlawy, Delvin Aman, Magnetic zeolite-natural polymer composite for adsorption of chromium (VI), Journal of Egyptian Journal of Petroleum , January 2017(in press).**

SCIENTIFIC ACTIVITIES

- **Participate in 18th &19th International Conference on Petroleum, Mineral Resources and Development with poster presentation, 2015-2016, Egypt.**
- **Participate in 4th conference of Nanotoday on December 2015 with poster presentation, Dubai**
- **Attending the 1st Annual conference of The Center of Excellence in Cancer Research (CECR) 2014, Egypt.**
- **Participate in 15th International Conference on Petroleum, Mineral Resources and Development with oral presentation paper title: PHEMA Magnetic Nanogels for Removal of Cu (II) Ions from Aqueous Solution, 2012, Egypt.**

Grants and Projects

- **Granted post doctor fellowship to University of Alberta, Canada from Egyptian Mission Sector, 2014/ 2015.**
- **A member of a Research Project entitled “Tank Serves Center “under the frame of EPRI fund, 2013/2014.**