



AHMED IBRAHIM ABD-ELHAMID HASSAN

ASSOCIATE PROFESSOR

<p>PERSONAL INFORMATION</p>	<p>Full Name: Affiliations: Address: Mobile No.: E-mail: Important links:</p>	<p>Ahmed Ibrahim Abd-Elhamid Hassan Advanced Technology and New Materials Research Institute, City for Scientific Research and Technology Applications, P. O. Box 21934, SRTA-City, Egypt. Universities and Research Center District, New Borg El-Arab, Egypt, P. O. Box 21934. aibrahim@srtacity.sci.eg ahm_ch_ibr@yahoo.com</p>
<p>EDUCATION</p>	<ul style="list-style-type: none"> - Ph.D. (analytical chemistry)(2013), Mansoura University, Faculty of Science, Chemistry Department. - M.Sc. (Inorganic Chemistry)(2009), Zagazig University, Faculty of Science, Chemistry Department. - B.Sc. (Special Chemistry)(May 2004), Zagazig University, Faculty of Science, Chemistry Department, (Excellent). 	
<p>ACTIVITIES</p>	<p>Conference</p> <ul style="list-style-type: none"> - International Conference on Materials Science and Engineering Recent Advances and Challenges (ICMSE-RAC 2018). - The 12th International Conference on Chemistry and its Role in Development (ICCRD) March 2015. - The Fourth International Conference on Multifunctional, Hybrid and Nanomaterials, 9 - 13 March 2015 in Sitges (near Barcelona), Spain. - The Fourth Arab International Conference in Physics and Materials Science, 1-3October 2012, Alexandria, Egypt. <p>Workshop</p> <ul style="list-style-type: none"> - Organized the Workshop “Different Types of Electronic Microscope Components and Their Importance in Analyzing Different Samples in Various Scientific Fields in Professional Way, 17th - 19th April, 2018. - Egypt-South Africa Partnership in Scientific Research, 14th - 15th November, 2017. - Workshop on Contaminants in water and Food, 28th March, 2017. - 3rd workshop on Advanced Materials and Its Applications, 28 November (2016) Alexandria, Egypt. 	

	<p>Administrative Activities</p> <ul style="list-style-type: none"> - Member of the committee preparing the brochure of technical terms and specifications for the new scientific devices serving the industry and civil society (2018). - Membership of technical decision and technical examination committees for joint laboratories at the Institute of Advanced Technology and New Materials (2018). - Member of the scientific committee supervising the joint laboratories of the Institute of Advanced Technology and New Materials (2018). - Member of the Technical Inspection and Receipt Committee for the public tender for the purchase of glass and plastic products for the Institute of New Materials through a limited tender for the fiscal year 2016-2017 through Executive Order No. 143 of (2016). - Member of the committee for preparing the technical specifications and estimated value of the public tender for the supply of laboratory plastic and glass bottles to the New Materials Research Institute for the fiscal year 2015-2016 through Executive Order No. 318 of (2015). - Member of the Technical Inspection and Receipt Committee for the public tender for the purchase of glass and plastic products for the Institute of New Materials through a limited tender for the 2015-2016 fiscal year through Executive Order No. 315 of (2015) - Member of the committee for preparing the technical specifications and the estimated value of the public tender for the supply of laboratory plastic and glass bottles to the New Materials Research Institute for the fiscal year 2013-2014 through Executive Order No. 122 of (2014)
<p>LIST OF PUBLICATIONS</p>	<ul style="list-style-type: none"> - A.A. Nayl, A.I. Abd-Elhamid, Ahmed El-Moghazy, M Hussin, M.A. Abu-Saied, Ahmed A. El-Shanshory, Hesham M.A. Soliman, The Nanomaterials and Recent Progress in Biosensing Systems: A Review, Trends in Environmental Analytical Chemistry 26 (2020) e00087 - A.A. Nayl, A.I. Abd-Elhamid, M.A. Abu-Saied, Ahmed A. El-Shanshory, Hesham M.A. Soliman, Magda A. Akl, H.F. Aly, Highly Effective Removal of Binary Cationic Dyes from Aqueous Media using Cotton- Graphene Oxide composite; Applied Study, RSC Advances, 10 (2020) 7791 - 7802. - A. S. Doma, Nazly Hassan, A. I. Abd-Elhamid and Hesham M. A. Soliman, Adsorption of Methylene Blue Dye on Hydrothermally Prepared Tungsten Oxide Nanosheets, Egypt. J. Chem. 63 (2) (2020) 483-498 - A. I. Abd-Elhamid, Mohamed Emran, M. H. El-Sadek., Ahmed A. El-

Shanshory, Hesham M. A. Soliman, M. A. Akl, Mohamed Rashad, Enhanced removal of cationic dye by eco-friendly activated Biochar derived from rice straw, *Applied Water Science* 10 (2020) 45.

- A.A. Nayl, I.M. Ahmed, A.I. Abd-Elhamid, H.F. Aly, M.F. Attallah, Selective sorption of ^{134}Cs and ^{60}Co radioisotopes using synthetic nanocopper ferrocyanide-SiO₂ materials, *Sep. Purif. Tech.*, 234 (2020) 116060.
- Sarah El-Lakany, Ahmed I. Abd-Elhamid, Elbadawy A. Kamoun, Esmail M. ElFakharany, WaelSamy, NazikElgindy, α -Bisabolol-Loaded Cross-Linked ZeinNanofibrous 3D-Scaffolds for Accelerating Wound Healing and Tissue Regeneration in Rats, *International Journal of Nanomedicine* 14 (2019) 8251–8270.
- A.A. Nayl, A. I. Abd-Elhamid, Ahmed A. El-Shanshory, Hesham M.A. Soliman, El-RefaieKenawy, H. F. Aly, Development of sponge/ graphene oxide composite as eco-friendly filter to remove methylene blue from aqueous media, *Applied Surface Science*, 496 (2019)143676
- EL-Fakharany, E.M., Abd-Elhamid, A.I., El-Deeb, N.M., Preparation and characterization of novel nanocombination of bovine lactoperoxidase with Dye Decolorizing and anti-bacterial activity, *Scientific Reports* 9(1) (2019) 8530.
- Attallah, M.F., Ahmed, I.M., Abd-Elhamid, A.I., Aly, H.F., Extraction of carrier-free 99 Mo by ionic liquids from acid solutions: A model of seaborgium (Sg) experiment, *Applied Radiation and Isotopes*, 149 (2019) 83-88.
- Ahmed I. Abd-Elhamid, Goma F. El Fawal, Magda A. Akl, Methylene blue and crystal violet dyes removal (as a binary system) from aqueous solution using local soil clay: kinetics study and equilibrium isotherms, *Egypt. J. Chem.* (62) (3) (2019) 941 – 954.
- Ahmed Ibrahim Abd-Elhamid, Ahmed Salah Doma, Aref Mohamed El-syed, El-RefaieKenawy, Eco-friendly activation of charcoal for purification of water from colored organic pollutants, *Res. J. Chem. Environ*, 23 (3) (2019) 83-95.
- A. I. Abd-Elhamid, A.A. Nayl, Ahmed A. El-Shanshory, Hesham M.A. Soliman, H. F. Aly, Sorption of cationic dye of cotton fiber-graphene oxide composite using batch and filter adsorption techniques: comparative study, *RSC Adv.* 9 (2019) 5770.
- A.I. Abd-Elhamid, Elbadawy A. Kamoun, Ahmed A. El-Shanshory, Hesham M.A. Soliman, H.F. Aly, Evaluation of graphene oxide-activated carbon as effective composite adsorbent toward the removal of cationic dyes: Composite preparation, characterization and adsorption parameters, *Journal of Molecular Liquids*, 279 (2019) 530-539.
- A. I. Abd-Elhamid, M. R. El-Aassar, Goma El-Fawal, Hesham. M. A. Soliman, Fabrication and characterization of Polyacrylonitrile/ β -cyclodextrin/graphene oxide nanofibers as an efficient adsorbent of cationic

dye, Environmental Nanotechnology, Monitoring and Management, 11 (2019) 100207.

- A.I. Abd-Elhamid, Hisham M.A. Soliman, H. F. Aly, Hydrothermal preparation and characterization of Co-based layered double hydroxide and their catalytic activity, Journal of Advances in Nanomaterials, 4 (1) (2019) 1-10.
- H.F. Aly, A.I. Abd-Elhamid, Photocatalytic degradation of Methylene Blue Dye using Silica Oxide Nanoparticles as a Catalyst, Water Environ. Res. 90 (2018) 807.
- A.I. Abd-Elhamid, H.F. Aly, Removal of Fe (III) from aqueous solution using thiosalicylic acid as an efficient adsorbent, Egypt. J. Chem. 61 (4) (2018) 617-627.
- A.I. Abd-Elhamid, Hesham M.A. Soliman, Preparation and Characterization of Manganese Oxide Based Graphite using Wet Attrition Technique and its Application Removal of Methylene Blue Dye from Aqueous solution, Research and Reviews in Materials Science and Chemistry, 8 (1) (2018) 21-57.
- A.I. Abd-Elhamid, H.F. Aly, Hesham A.M. Soliman, Ahmed A. El-Shanshory, Graphene oxide: Follow the oxidation mechanism and its application in water treatment, Journal of Molecular Liquids 265 (2018) 226–237.
- M.F. Attallah, A.I. Abd-Elhamid, I.M. Ahmed, H.F. Aly, Possible use of synthesized nano silica functionalized by Prussian blue as sorbent for removal of certain radionuclides from liquid radioactive waste, Journal of Molecular Liquids 261 (2018) 379–386.
- H. Shokry Hassan, M.F. Elkady, A.A. Farghali, Alaa Mohamed Salem, A.I. Abd El-Hamid, Fabrication of novel magnetic zinc oxide cellulose acetate hybrid nano-fiber to be utilized for phenol decontamination, Journal of the Taiwan Institute of Chemical Engineers 78 (2017) 307–316.
- H.F. Aly, M.A. Akl, Hesham M.A. Soliman, Aref M.E. AbdEl-Rahman, A.I. Abd-Elhamid, Hydraulic Classifier System for fractionation of nano CaCO₃ Particles, ApplNanosci (2015) 5:379–391.
- Magda A Akl, Hesham F Aly, Hesham M A Soliman, Aref M. E. Abd ElRahman and Ahmed I. Abd-Elhamid, Preparation and Characterization of Silica Nanoparticles by Wet Mechanical Attrition of White and Yellow Sand, J. Nanomed Nanotechnol., 2013, 4:6, <http://dx.doi.org/10.4172/2157-7439.1000183>

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