



Gomaa farouk Kamel Mostafa El
Fawal
Associate professor

<p>PERSONAL INFORMATION</p>	<p>Full Name: Affiliation: Address: Mobile No.: E-mail: Important links:</p>	<p>Gomaa farouk Kamel Mostafa El Fawal Polymer Materials Research Department, Advanced Technology and New Materials Research Institute (ATNMRI). 01115131607 gelfawal@gmail.com https://www.linkedin.com/in/gomaa-elfawal-72294215</p>
<p>EDUCATION</p>	<ul style="list-style-type: none"> • Ph.D. (2013) Department of Chemistry, Faculty of Science, Zagazig University, Zagazig, Egypt • M.Sc. (2008) Department of Chemistry, Faculty of Science, Zagazig University, Zagazig, Egypt • B.Sc. (1999) - Department of Chemistry, Faculty of Science, Zagazig University, Zagazig, Egypt 	
<p>ACTIVITIES</p>	<p>-----</p> <p>-----</p> <p>-----</p>	

GRANTS & AWARDS	<p>-----</p> <p>-----</p>
LIST OF PUBLICATIONS	
	<p>1- Polymer nanofibers electrospinning: A review</p> <p>Gomaa El Fawal</p> <p>Egyptian Journal of Chemistry, 2020, <i>under press</i></p>
	<p>2- Poly (Methacrylic Acid) Grafted Regenerated Cellulose Ions Exchangers Membranes for Cu (II) Ion Adsorption: Kinetic, Isotherm, and Thermodynamic Studies</p> <p>MohyEldin, S. Abdel Rahman, Gomaa El Fawal, Randaghonim <i>Journal of Desalination and Water Treatment, 2020, under press</i></p>
	<p>3- Polyvinyl alcohol/hydroxyethylcellulose containing ethosomes as a carrier for transdermal drug delivery applications</p> <p>Gomaa El Fawal, Huoyan Hong, Xinran Song, Jinglei Wu, Meiqi Sun, Lin Zhang, Chuanglong He, Xiumei Mo, Hongsheng Wang</p> <p>(Journal of Biochemistry and Biotechnology) (https://doi.org/10.1007/s12010-020-03282-1)</p>

	<p>4- "Novel Immobilized Cu⁺²-Aminated Poly (Methyl Methacrylate) Grafted Cellophane Affinity Membranes for Separation of His-Tag Chitinase: Preparation, Characterization and Application.</p> <p><u>MohyEldin, S. Abdel Rahman and G. F. El Fawal</u> (<i>Polymer Bulletin</i>, 2020,135-151)</p>
	<p>5- Fabrication of antimicrobial films based on hydroxyethylcellulose and ZnO for food packaging application</p> <p><u>Gomaa F. El Fawal, Huoyan Hong, Xinran Song, Jinglei Wu, Meiqi Sun, Chuanglong He, Xiumei Mo, Guoyin Kai and Hongsheng Wan</u> (<i>Journal of Food Packaging and Shelf Life</i>, 2020)</p>
	<p>6- Evaluation of antimicrobial and antioxidant activities for cellulose acetate films incorporated with Rosemary and Aloe Vera essential oils</p> <p><u>Gomaa F. El Fawal, Ahmed M. Omer, Tamer M. Tamer</u> <i>Journal of Food Science and Technology</i> (2019)</p>
	<p>7- Methylene blue and crystal violet dyes removal (as a binary system) from aqueous solution using local soil clay: kinetic study and equilibrium isotherms</p> <p><u>Ahmed I. Abd-Elhamid, Gomaa F. El Fawal, Magda A. Akl</u></p>

	<i>Egyptian Journal of Chemistry (2019)</i>
	<p>8- Fabrication of polyacrylonitrile /β-cyclodextrin/graphene oxide nanofibers composite as an efficient adsorbent for cationic dye</p> <p><u>A.I. Abd-Elhamid, M.R. El-Aassar, Gomaa F. ElFawal, Hesham M.A. Soliman</u></p> <p><i>Environmental Nanotechnology, Monitoring & Management (2019)</i></p>
	<p>9- “Electrospun of polyvinyl alcohol nanofibers containing titanium dioxide for gas sensor applications”</p> <p><u>Gomaa F. El fawal, Hassan S. Hassan, Mohamed R. El-Aassar, Marwa F. Elkady</u></p> <p><i>(Arabian Journal for Science and Engineering, 2018)</i></p> <p>DOI:<u>10.1007/s13369-018-3529-z</u></p>
	<p>10- “Hydroxyethyl cellulose hydrogel for wound dressing: fabrication, characterization and in vitro evaluation”</p> <p><u>Gomaa F. El Fawal, Marwa M Abu-Serie, Mohamed A. Hassan, Mohamed S. Elnouby</u></p> <p><i>(International Journal of Biological Macromolecules, 2018)</i></p> <p>DOI : <u>10.1016/j.ijbiomac.2018.01.040</u></p>
	<p>11- “Induction of apoptosis in human cancer cells Through Extrinsic and Intrinsic</p>

	<p>Pathways by BalanitesaegyptiacaFurostanol Saponins and Saponin-Coated SilverNanoparticles”</p> <p><u>Yassin AM, El-Deeb NM, Metwaly AM, El Fawal GF, Radwan MM, Hafez EE.</u></p> <p><i>(Applied Biochemistry and Biotechnology, 2017)</i></p> <p>Doi: 10.1007/s12010-017-2426-3</p>
	<p>12- “The Novelty in Fabrication of Poly Vinyl Alcohol/κ-Carrageenan Hydrogel with Lactobacillus bulgaricus Extract as Anti-inflammatory Wound Dressing Agent”</p> <p><u>El-Fawal, G.F., Yassin, A.M., El-Deeb, N.M.</u></p> <p><i>(American Association of Pharmaceutical Scientists, PharmSciTech, 2016, 1-12)</i></p>
	<p>13- “Electrospun polyvinyl alcohol/ Pluronic F127 blended nanofibers containing titanium dioxide for antibacterial wound dressing”</p> <p><u>M. R. El-Aassar, G. F. El fawal, Nehal M. El-Deeb, H. Shokry Hassan, Xiumei Mo</u></p> <p><i>(Applied biochemistry and biotechnology, DOI 10.1007/s12010-015-1962-y)</i></p>
	<p>14- "Controlled drug release from cross-linked –carrageenan / hyaluronic acid membranes</p> <p><u>El-Aassar MR, El Fawal GF, Kamoun EA, Fouda MM</u></p> <p>" <i>(International Journal of Biological Macromolecules,</i></p>

	322–329, 77 2015)
	15- "K-carrageenan/polyvinyl pyrrolidone/polyethylene glycol/ silver nanoparticles film for biomedical application" <u>Moustafa M.G. Fouda</u> , <u>M.R. El-Aassar</u> , <u>G.F. El Fawal</u> , <u>Elsayed E. Hafez</u> , <u>Saad Hamdy Daif Masry</u> , <u>Ahmed Abdel-Megeed</u> (<i>International Journal of Biological Macromolecules</i> , 2015)
	16- "Enhancement of Mechanical Properties, Microstructure and Antimicrobial Activities of Zein Films Cross-Linked Using Succinic Anhydride, Eugenol and Citric Acid" <u>Khalil AA</u> , <u>Deraz SF</u> , <u>Elrahman SA</u> , <u>El-Fawal G.</u> (<i>Preparative Biochemistry and Biotechnology</i> , 2014).
	17- "Novel Immobilized Cu ⁺² ions Grafted Cellophane Membranes for Affinity Separation of His-Tag Chitinase" <u>MohyEldin, S. Abdel Rahman</u> and <u>G. F. El Fawal</u> (<i>Arabian Journal of Chemistry</i> , 2014)
	18- "Preparation, characterization and antibacterial activity of biodegradable films prepared from carrageenan" <u>G. El-Fawal</u> (<i>Journal of Food Science and Technology</i> , 2014)

	<p>19- "Synthesis, characterization and antibacterial activity of biodegradable films prepared from Schiff bases of zein".</p> <p><u>Soliman EA, Khalil AA, Deraz SF, El-Fawal G, Elrahman SA</u> <i>(Journal of Food Science and Technology, 2012)</i></p>
	<p>20- " Autohydrolysed Tilapia nilotica Fish Viscera as a Peptone Source in Bacteriocin Production"</p> <p><u>Deraz SF, El-Fawal GF, Abd-Ellatif SA, Khalil AA.</u> <i>(Indian Journal of Microbiology, 2011)</i></p>
	<p>21- Preparation and Characterization of Grafted Cellophane Membranes for Affinity Separation of His-Tag Chitinase"</p> <p><u>M. S. MohyEldin, S. Abdel Rahman and G. F. El Fawal</u> <i>(Advances in Polymer Technology, 2011)</i></p>