



### Published Articles During 2021 (1<sup>st</sup> January-30<sup>th</sup> December)-Desalination Water and Treatment

DOI	Affiliation		Q1, Q2, Q3, Q4	Name of Journal- Impact Factor	Year	Title	Number of publicatio ns	Gen der	Position	Name	
	Coll of Sci	BASRC									
<a href="https://doi.org/10.3390/polym13071160">https://doi.org/10.3390/polym13071160</a>	√	√	Q1	Polymers 3.7	2021	<b>Synthesis, Characterization of Chitosan-Aluminum Oxide Nanocomposite for Green Synthesis of Annulated Imidazopyrazol Thione Derivatives</b>		F	Head	*Prof. Abir Abdel-Naby	١
								F	Member	Dr.Sara Nabil	
								F	member	Dr.Sara Adelijan	
<a href="https://doi.org/10.1016/j.molstruc.2021.130180">https://doi.org/10.1016/j.molstruc.2021.130180</a>	√	√	Q1	J of molecular structure 3.5	2021	<b>Multicomponent synthesis, DFT calculations and molecular docking studies of novel thiazolyl-pyridazinones as potential antimicrobial agents against antibiotic-resistant bacteria</b>		F	Member	Dr.Sara Nabil	٢
Accepted	√	√	Q2	Desalination and water treatment 1.63	2021	<b>Graft copolymerization onto Chitosan by itaconic acid for water treatment use</b>		F	Head	Prof.Abir Abdel-Naby	٣
								F	Master student	Arwa Alluqman	
<a href="https://doi.org/10.1007/s10965-021-02558-2">https://doi.org/10.1007/s10965-021-02558-2</a>	√	√	Q2	j. of polymer research 2.46	2021	<b>Graft copolymerization of Diallylamine onto starch for</b>		F	Head	Prof.Abir Abdel-Naby	٤



						<b>water treatment use characterization, removal of Cu (II) cations and antibacterial activity</b>		F	Member	Dr.Azza Al-Ghamdi	
Volume 50, pages4586–4598 (2021) <a href="https://doi.org/10.1007/s11664-021-08989-3">https://doi.org/10.1007/s11664-021-08989-3</a>	√		Q2	Journal of Electronic Materials	October 2021	The Pivotal Role of Thermal Annealing of Cadmium Telluride Thin Film in Optimizing the Performance of CdTe/Si Solar Cells		F	Associate professor	Sara Nabil	
2021, 125, 26418–26428 <a href="https://doi.org/10.1021/acs.jpcc.1c07247">https://doi.org/10.1021/acs.jpcc.1c07247</a>	√		Q1	J. Phys. Chem. C	December 2021	Density Functional Theory Investigation of Graphene Functionalization with Activated Carbenes and Its Application in the Sensing of Heavy Metallic Cations		F	Assistant professor	Sara Aldulijahn	
<a href="#">Accepted for publication</a>	√	√	Q2	Desalination and Water treatment journal	December-2021	<b>Synthesis of ecofriendly starch-cyanoguanidine /MgO composite membrane Characterization, thermal properties, removal of metal cations and metal electrodeposition</b>		F	Professor	Prof.Abir Abdel-Naby	
								F	Assistant professor	Jwahr Al-Ghamdi	

• عدد الأبحاث المنشورة للوحدة (بدون تكرار في الوحدة الواحدة) هي ٥ أبحاث للفترة من يناير حتى ديسمبر ٢٠٢١