



### Published Articles During 2021 (1<sup>st</sup> January-30<sup>th</sup> December)-Catalysis Unit

DOI	Affiliation		Q1, Q2, Q3, Q4	Name of Journal-Impact Factor	Year	Title	Number of publications	Gender	Position	Name	
	Coll of SCI	BASRC									
DOI: 10.2174/1568026621999201214232018	√	√	Q2	Current Topics in Medicinal Chemistry, 2021, 21, 462-506	2021	Recent Advances in the Development of 1,2,3-Triazole-Containing Derivatives as Potential Antifungal Agents and Inhibitors of Lanosterol 14 $\alpha$ -Demethylase	4	M	Pr.	Dr. Hafedh	1
DOI: 10.3390/molecules26030659	√	√	Q1	Molecules 26 (3), 659	2021	New Substituted 5-Benzylideno-2-Adamantylthiazol[3,2-b][1,2,4]Triazol-6(5H)ones as Possible Anti-Inflammatory Agents					
<a href="https://doi.org/10.3390/nano11040970">https://doi.org/10.3390/nano11040970</a>	√	√	Q1	Nanomaterials 2021, 11(4), 970.	2021	Kinetic modeling for PenG photodegradation under visible light onto Mn <sub>0.5</sub> Zn <sub>0.5</sub> Cd <sub>1.5</sub> Fe <sub>2-x</sub> O <sub>4</sub> nanoparticles					
<a href="https://doi.org/10.3390/molecules26134061">https://doi.org/10.3390/molecules26134061</a>	√	√	Q1	Molecules 2021, 26(13), 4061	2021	Exploration of the Antimicrobial Effects of Benzothiazolythiazolidin-4-One and In Silico Mechanistic Investigation					
<a href="https://doi.org/10.1016/j.rser.2020.110603">https://doi.org/10.1016/j.rser.2020.110603</a>	√	√	Q1	Chemosphere 262 (2021) 128058	2021	Untargeted metabolomics for Achilles heel of engineered nanomaterials' risk assessment	6	F	Associate Pr.	Dr. Samar	2
<a href="https://doi.org/10.1016/j.rser.2020.110603">https://doi.org/10.1016/j.rser.2020.110603</a>	√	√	Q1	Renewable and Sustainable Energy Reviews	2021	Microalgae an ecofriendly and sustainable wastewater treatment option: Biomass application in					



				137 (2021) 110603. <u>Impact factor:</u> 14.982		biofuel and bio-fertilizer production. A review					
DOI: 10.1002/er.6469	√	√	Q1	Int J Energy Res. 2021;1-9. <u>Impact factor:</u> 5.164	2021	Improved photovoltaic properties of dye sensitized solar cell by irradiations of Ni <sup>2+</sup> ions on Ag-doped TiO <sub>2</sub> photoanode					
<a href="https://doi.org/10.1016/j.jmrt.2021.01.018">https://doi.org/10.1016/j.jmrt.2021.01.018</a>	√	√	Q1	journal of materials research and technology 2021; 11: 946-956 <u>Impact factor:</u> 5.039	2021	Enhanced mechanical, UV protection and antimicrobial properties of cotton fabric employing nanochitosan and polyurethane based finishing					
<a href="https://doi.org/10.1016/j.jece.2021.105534">https://doi.org/10.1016/j.jece.2021.105534</a>	√	-	Q1	Journal of Environmental Chemical Engineering 9 (2021) 105534 Impact factor: 5.909	2021	Designing of highly active g-C <sub>3</sub> N <sub>4</sub> /Co@ZnO ternary nanocomposites for the disinfection of pathogens and degradation of the organic pollutants from wastewater under visible light					
<a href="https://doi.org/10.1016/j.colsurfa.2021.127390">https://doi.org/10.1016/j.colsurfa.2021.127390</a>	√	-	Q1	Colloids and Surfaces A: Physicochemical and Engineering Aspects 628 (2021) 127390 <u>Impact factor:</u> 4.539	2021	Effective heterointerface combination of 1D/2D Co-NiS/S-g-C <sub>3</sub> N <sub>4</sub> heterojunction for boosting spatial charge separation with enhanced photocatalytic degradation of organic pollutants and disinfection of pathogens					
<a href="https://doi.org/10.1016/j.materresbull.2020.111057">https://doi.org/10.1016/j.materresbull.2020.111057</a>	√	√	Q1	Materials Research Bulletin	2021	Design of porous Ga doped TiO <sub>2</sub> nanostructure for enhanced	1	F	Associate Pr	Dr. Nuhad	3



				2021, 133, 111057		solar light photocatalytic applications					
<a href="https://doi.org/10.1016/j.ceramint.2021.04.201">https://doi.org/10.1016/j.ceramint.2021.04.201</a>	√	√	Q1	Ceramics International (2021) Volume: 47 Issue: 15 Page: 21837- 2184	2021	Structural, Optical and Radiation Shielding Properties of Zirconium- Titanium- Thallium Ternary Oxide (0.5ZrO <sub>2</sub> -(0.5-x)TiO <sub>2</sub> -xTl <sub>2</sub> O <sub>3</sub> )	1	M	Associate Pr	Dr. Amor	4

- عدد الأبحاث المنشورة للوحدة (بدون تكرار في الوحدة الواحدة) هي ١٢ بحث للفترة من يناير ٢٠٢١ و حتى ديسمبر ٢٠٢١