



TAREK HOSNY TAHA AHMED

ASSOCIATE PROFESSOR

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EDUCATION	(PhD 2011) (Al-Azhar University – Egypt) (MSc 2008) (Alexandria University – Egypt) (BSc 2003) (Al-Azhar University – Egypt)	
ACTIVITIES	Scientific Activities List your Scientific Activities here... (Activity Title, Description & Date)	
	Administrative Activities (Manager of the central lab of scientific services and environmental assessment, 2015)	
	➤ Leader of the work team dedicated for working on the bioconversion of environmental wastes into bioethanol through a scientific project funded by STDF. ➤ Participating for the wastewater treatment and reuse in agriculture field through natural based designed system in Egyptian rural villages. ➤ Participating for the designing of an oxidation-reduction system for the treatment of Mariout lake contaminants.	
GRANTS &	(MSC scholarship, 2004-2008, at SRTA-City, funded by the Academy of Scientific Research and Technology, Egypt).	

AWARDS	Awards List your Awards here... (start with the most recent) (Award's Name – Date – Location)
LIST OF PUBLICATIONS	(2020) M. A. Abu-Saied, Mohamed Elnouby, <u>Tarek Taha</u>, Muhammad El-shafeey, Ali G. Alshehri, Saad Alamri, Huda Alghamdi, Ali Shati, Sulaiman Alrumman, Mohamed Al-Kahtani and Mahmoud Moustafa (2020). Potential Decontamination of Drinking Water Pathogens Through k-Carrageenan Integrated Green Bottle Fly Bio-Synthesized Silver Nanoparticles. <i>Molecules</i>. 25:1936. Shrief Elbassyoni, Elbadawy A. Kamoun, <u>Tarek H. Taha</u>, Mohamed A. Rashed, and Fathi A. ElNozahi (2020). Effect of Egyptian Attapulgitic Clay on the Properties of PVA-HES–Clay Nanocomposite Hydrogel Membranes for Wound Dressing Applications. <i>Arabian Journal for Science and Engineering</i>. Accepted. <u>Tarek H. Taha</u>, Mohamed S. Elnouby, M.A. Abu-Saied, Saad Alamri (2020). Tested functionalization of alginate-immobilized ureolytic bacteria for improvement of soil biocementation and maximizing water retention. <i>RSC Advances</i>. Accepted. Mohamed A. Hassan, <u>Tarek H. Taha</u>, Gamal M. Hamad, Mohamed Hashem, Saad Alamri, and Yasser S. Mostafa (2020). Biochemical characterisation and application of keratinase from <i>Bacillus thuringiensis</i> MT1 to enable valorisation of hair wastes through biosynthesis of vitamin B-complex. <i>International journal of biological macromolecules</i>. 153: 561-572. A. S. Abdel-Razek, H. H. El-Sheikh, W. B. Suleiman, <u>Tarek. H. Taha</u>, M. K. Mohamed (2020). Bioelimination of phenanthrene using degrading bacteria isolated from petroleum soil: safe approach. <i>Desalination and water treatment</i>. 181: 131-140. <u>Tarek H. Taha</u>, Mohamed S. Elnouby, M.A. Abu-Saied, and Saad Alamri (2020). Green exfoliation of graphite waste and its suitability for biosensor applications. <i>RSC Adv.</i>, 10, 9347–9355. (2019) <u>Tarek H. Taha</u>, M. A. Abu-Saied, Mohamed S. Elnouby, Mohamed Hashem,

	Saad Alamri, Yasser Mostafa (2019). Designing of pressure-free filtration system integrating polyvinyl alcohol/chitosan-silver nanoparticle membrane for purification of microbe-containing water. <i>Water Supply</i>, 19 (8): 2443–2452. Yasser Mostafa, Suliman Alrumman, Saad Alamri, Mohamed Hashem, Kholood Al - izran, Mohammad Alfaifi, Serag Eldin Elbehairi, Tarek Taha (2019). Enhanced production of glutaminase -free L -asparaginase by marine <i>Bacillus velezensis</i> and cytotoxic activity against breast cancer cell lines. <i>Electronic Journal of Biotechnology</i>, 42: 6-15. Mahmoud MOUSTAFA; Saad ALAMRI; Tarek TAHA; Ali SHATI; Sulaiman ALRUMMAN; Mohamed ALKAHTANI (2019). Cloning and characterization of 66 kDa streptavidin-binding peptides (SBP) of <i>Pisum sativum</i> L. embryo specific to var. Alaska. <i>BIOCELL</i>. 43(3): 155-166. Mahmoud MOUSTAFA; Saad ALAMRI; Hoida ZAKI; Naglaa LOUTFY; Tarek TAHA; Ali SHATI; Mohamed ALKAHTANI; Sajda SIDDIQI (2019). Gene expression of 49 kDa apyrase, cytoskeletal proteins, ATPase, ADPase and amino acid contents of <i>Pisum sativum</i> (L.) cells germinated in <i>Euryops arabicus</i> (Steud. ex Jaub. & Spach) water extract. <i>BIOCELL</i>. 43(2): 81-87. S. A. Alrumman, Y. S. Mostafa, Kholood A. Al-izran, M. Y. Alfaifi, T. H. Taha & S. E. Elbehairi (2019). Production and Anticancer Activity of an L-Asparaginase from <i>Bacillus licheniformis</i> Isolated from the Red Sea, Saudi Arabia. <i>Scientific Reports</i>, volume 9, Article number: 3756. Tarek H. Taha, M. A. Abu-Saied, Elsayed M. Elnaggar, Ranya A. Amer, A. E. Mansy and Gamal M. Elkady (2019). Using starchy waste as a promising raw material for bioethanol production with consequence purification using chitosan/sodium alginate polymeric membrane. <i>Journal of bioscience and applied research</i>. 5(2): 154-166. (2018) Mahmoud MOUSTAFA; Saad ALAMRI; Mohamed ELNOUBY; Tarek TAHA; M. A. ABU-SAIED; Ali SHATI; Mohamed AL-KAHTANI; Sulaiman ALRUMMAN (2018). Hydrothermal preparation of TiO₂-Ag nanoparticles and its antimicrobial performance against human pathogenic microbial cells in water. <i>Biocell</i>. 42(3): 93-97. S. A. Alrumman, Y. S. Mostafa, Shekha T. S. Al-Qahtani¹, T. Sahlabji, T. H.
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