

## أبحاث قسم النبات والميكروبيولوجي 2023-2020

المؤلفين	العام	المجلة	عنوان البحث بلغة النشر	رقم
Yang, Y., <b>Hassan, S. H.</b> , Awasthi, M. K., Gajendran, B., Sharma, M., Ji, M. K., & Salama, E. S.	2023	Food Bioscience,	The recent progress on the bioactive compounds from algal biomass for human health applications	.1
Abeer A. Radi, <b>Dalia A. Abdel-Wahab</b> , Afaf M. Hamada and Fatma A. Farghaly.	2023	Journal of Soil Science and Plant Nutrition	The Impact of Humic Acid and Moringa Treatments on Enhancing Arsenic Tolerance in Broccoli Plants: Modulation of Sulphur Components and Enzymatic Antioxidant Defense.	.2
Moustafa O Aboelez, Moumen S Kamel, Amany Belal, <b>Ahmed El Badry Abdel-Aziz</b> , Mohammed AS Abourehab, H Abdel-Ghany, Mohamed A. El Hamd, Mahmoud Abd El Aleem 6Ali El-Remaily	2023	Molecular Diversity	Microwave-assisted synthesis, spectroscopic characterization, and biological evaluation of fused thieno[2,3-d]pyrimidines as potential anticancer agents targeting EGFRWT and EGFR790M	.3
<b>Ahmed E. Abdel-Aziz</b> , Mahmoud S. Bakhit	2023	Plant and Fungal Systematics	<i>Pisolithus albus</i> (Sclerodermataceae), a first record from Egypt	.4
Fawzy Salama; Noha A. El-Tayeh; Ahmed M. Zaher; Sara El- Naggar; <b>Ali Gaafar</b>	2023	Egypt. J. Bot.	Phytosociological Studies on the Associated Species of <i>Balanites aegyptiaca</i> in the Eastern and Western Egyptian Deserts	.5
AHMED ZAHER; F. M. Salama; N. A. El-Tayeh; S. H. El-Naggar; Raouf Sultan; A. E. Gaafar	2023	Bull. Pharm. Sci., Assiut University	Influences Of Environmental Factors On The Active Metabolites And Certain Bioactivities Of Desert Date Leaf And Fruit ( <i>Balanites Aegyptiaca</i> L. Delile) Grown In Egypt	.6
Fawzy M. Salama Sayed S.A. Abdel-Rahman <b>Marwa M. Ragaey</b> Noha M.M. Mostafa Atef A.S. Abdel -Kade	2023	Assiut Journal of Agricultural Sciences	Biological and Chemical Substances as Stimulants-Inducing Growth and Oil Yield in Lemongrass Under Salinity Stress	.7
Fawzy, M. A., Darwish, H., Alharthi, S., Al-Zaban, M. I., Noureldeen, A., & <b>Hassan, S. H.</b>	2022	<i>Scientific Reports</i>	Process optimization and modeling of Cd <sup>2+</sup> biosorption onto the free and immobilized <i>Turbinaria ornata</i> using Box–Behnken experimental design.	.8
Al-Zaban, M. I., Alharbi, N. K., Albarakaty, F. M., Alharthi, S., <b>Hassan, S. H.</b> , & Fawzy, M. A.	2022	<i>Sustainability</i> ,	Experimental Modeling Investigations on the Biosorption of Methyl Violet 2B Dye by the Brown Seaweed <i>Cystoseira tamariscifolia</i> .	.9
Badour Salim Ali Alfarsi, Sedky HA Hassan	2022	J. Multidisciplinary Sciences	Biosorption capacity of methylene blue by <i>Alternaria alternata</i>	.10

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Fawzy, M. A., Al-Yasi, H. M., Galal, T. M., Hamza, R. Z., Abdelkader, T. G., Ali, E. F., & <b>Hassan, S. H.</b>	2022	Scientific Reports	Statistical optimization, kinetic, equilibrium isotherm and thermodynamic studies of copper biosorption onto <i>Rosa damascena</i> leaves as a low-cost biosorbent	.11
Alharbi, N. K., Al-Zaban, M. I., Albarakaty, F. M., Abdelwahab, S. F., <b>Hassan, S. H.</b> , & Fawzy, M. A.	2022	Life	Kinetic, isotherm and thermodynamic aspects of Zn <sup>2+</sup> biosorption by <i>Spirulina platensis</i> : optimization of process variables by response surface methodology	.12
Hussein, M. A. M., & <b>Hassan, S. H. A.</b>	2022	SVU-International Journal of Agricultural Sciences	Possible sustainable management of onion <i>Botrytis</i> brown stain disease by some plants aqueous extract.	.13
Al-Hakkani, M. F., Gouda, G. A., <b>Hassan, S. H.</b> , Mohamed, M. M., & Nagiub, A. M.	2022	Scientific reports	Environmentally azithromycin pharmaceutical wastewater management and synergetic biocompatible approaches of loaded azithromycin@hematite nanoparticles	.14
Al-Hakkani, M. F., Gouda, G. A., <b>Hassan, S. H.</b> , Saddik, M. S., El-Mokhtar, M. A., Ibrahim, M. A., ... & Nagiub, A. M.	2022	Scientific reports	Cefotaxime removal enhancement via bio-nanophotocatalyst $\alpha$ -Fe <sub>2</sub> O <sub>3</sub> using photocatalytic degradation technique and its echo-biomedical applications.	.15
Osama Al-Bedak, Mohammed Abdel-Sater, Hager Galal, Sedky Hassan	2022	Bulletin of Pharmaceutical Sciences. Assiut	Production of cell wall-hydrolyzing enzymes and GC-MS extract analysis of <i>Byssochlamys lagunculariae</i> , a new record isolated from Egypt	.16

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Fawzy M. Salama, Monier M. Abd El-Ghani, <b>Ali E. Gaafar</b> , Diaa M. Hasanin and <b>Dalia A. Abdel-Wahab</b> .	2022	Plant Biosystems - An International Journal Dealing with all Aspects of Plant Biology, 156(2), 528-537	Adaptive eco-physiological mechanisms of <i>Alhagi graecorum</i> in response to severe aridity in the Western desert of Egypt.	.17
Fatma Aly Farghaly, Nivien Allam Nafady and <b>Dalia Ahmed Abdel-Wahab</b> .	2022	BMC Plant Biology, 22 (1):1-17.	The efficiency of arbuscular mycorrhiza in increasing tolerance of <i>Triticum aestivum</i> L. to alkaline stress.	.18
Rayan, A.M.; Abdein, M. A.; Ibrahim, A. A.	2020	International Journal of Botany Studies	Associated weeds of some agroecosystems in the Northern Border region, KSA	.19
Aboelez M.O., Kamel M. S., Belal A. <b>Abdel-Aziz A.E.</b> , Abourehab M.A.S., Abdel-Ghany H., El Hamd M.A., El-Remaily M.A.A.	2022	Journal of Molecular Diversity	Microwave-assisted synthesis, spectroscopic characterization, and biological evaluation of fused thieno[2,3-d]pyrimidines as potential anti-cancer agents targeting EGFR <sup>WT</sup> and EGFR <sup>T790M</sup>	.20
<b>Marwa M. Ragaey</b> , Mervat Shamoon Sadak, Mona F. A. Dawood, Nermin H. S. Mousa, Rania Samy Hanafy and Arafat Abdel Hamed Abdel Latef	2022	Plants	Role of Signaling Molecules Sodium Nitroprusside and Arginine in Alleviating Salt-Induced Oxidative Stress in Wheat.	.21
<b>Marwa M. Ragaey</b> , Nemmat AbdelGawad Hussein , Arwa Abdel-Aziz Mostafa El-Khatib, Mady Ahmed Ismail, Mona FA Dawood	2022	J. Exp. Biol. (Bot.).	Impact of phosphate solubilizing fungi on soil properties and physiological parameters of pepper plants. Egypt	.22
Mona FA Dawood, Nemmat Abdel-Gawad Hussein, Mady Ahmed Ismail, Arwa Abdel-Aziz Mostafa El-Khatib, <b>Marwa M. Ragaey</b>	2022	Egyptian Journal of Botany	Improvement of Germination, Phosphate Efficiency, Antioxidants, Metabolic Products, and Yield of Wheat Plants by <i>Aspergillus niger</i> and <i>Penicillium chrysogenum</i>	.23

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Arafat Abdel Hamed Abdel Latef, Amal M. Omer, Ali A. Badawy, Mahmoud S. Osman, and <b>Marwa M. Ragaey</b>	2021	Plants	Strategy of Salt Tolerance and Interactive Impact of <i>Azotobacter chroococcum</i> and/or <i>Alcaligenes faecalis</i> Inoculation on Canola ( <i>Brassica napus</i> L.)	.24
Mona F.A. Dawood; Tahjib-Ul-Arif, M.; Sohag, A.A.M.; Abdel Latef, A.A.H.; <b>Marwa M. Ragaey.</b>	2021	Plants	Mechanistic insight of allantoin in protecting tomato plants against ultraviolet C stress.	.25
Hassan, E. A., Nafady, N. A., <b>Hassan, S. H. A.</b> , Moustafa, Y. S., Alamri, S. A., & Hashem, M.	2021	GLOBAL Nest Journal	Cadmium biosorption potential and kinetic behavior of endophytic <i>Fusarium verticillioides</i> and its green synthesized silver nanoparticles	.26
Mostafa F. Al-Hakkani, Gamal A. Gouda, <b>Sedky H.A. Hassan</b> , Adham M. Nagiub	2021	<i>Surfaces and Interfaces</i>	<i>Echinacea purpurea</i> Mediated Hematite Nanoparticles ( $\alpha$ -HNPs) Biofabrication, Characterization, Physicochemical Properties, and its <i>In-vitro</i> Biocompatibility Evaluation	.27
Hossam EF Abdel-Raheem, <b>Sedky H A Hassan</b> , Maysa MA Ali (2021)	2021	Bulletin of Pharmaceutical Sciences. Assiut	Production and application of natural food pigments by <i>Monascus ruber</i> using potato chips manufacturing wastes	.28
Mostafa F. Al-Hakkani, Samah A. Al-Shelkamy; Mohammed S. Saddik; Mohamed A. El-Mokhtar; <b>Sedky H.A. Hassan</b> (2021)	2021	<i>Journal of Materials Research and Technology</i>	Eco-friendly <i>Vicia faba</i> seeds aqueous extract approach for $C@Cu_2O@Cu$ Nanocomposite Bioindustrial Scalable, Characterization, Physicochemical Properties, and In-vitro Biocompatibility Evaluation	.29

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MF Al-Hakkani, GA Gouda, SHA Hassan (2021)	2021	Heliyon	A review of green methods for phyto-fabrication of hematite ( $\alpha$ -Fe <sub>2</sub> O <sub>3</sub> ) nanoparticles and their characterization, properties, and applications	.30
MF Al-Hakkani, GA Gouda, SHA Hassan, OA Farghaly, MMA Mohamed (2020)	2021	ACTA Pharmaceutica Scientia	Fully Investigation of RP-HPLC Analytical Method Validation Parameters for Determination of Cefixime Traces in The Different Pharmaceutical Dosage Forms and Urine Analysis	.31
Shah Faisal, El-Sayed Salama, Sedky HA Hassan, Byong-Hun Jeon, Xiangkai Li A. El-Zohary, R. Qasim	2021	<i>Biomass Conversion and Biorefinery</i>	Biomethane enhancement via plastic carriers in anaerobic co-digestion of agricultural wastes	.32
Ramadan A. Mohammed, Osama Al-Bedak, Sedky H.A. Hassan	2021	Journal Of Plant Diseases and Protection	First record in Upper Egypt of vascular wilt on Pomegranate caused by <i>Fusarium oxysporum</i> , its artificial pathogenicity and molecular identification	.33
Mehdi Sedighi, Mostafa Ghasemi, Sedky H.A. Hassan	2021	Korean Journal of Chemical Engineering	Microbial fuel cell for oilfield produced water treatment and reuse: Modelling and process optimization	.34
AAM Aly, MM Abd El-Wahab, SHA Hassan, IA EL-Ghany, AAA Farrag	2021	Egyptian Sugar Journal	Utilization of Sugar Beet Industrial filter cake waste for removal of direct red 81 from aqueous solution	.35
Marwa T. El-Mahdy, Dalia A. Abdel-Wahab and Muhammad Youssef.	2021	<i>In Vitro Cellular &amp; Developmental Biology – Plant</i> , 57:460–469	<i>In Vitro</i> morpho-physiological Performance and DNA Stability of Banana Under Cadmium and Drought Stresses.	.36
Doaa S. Elazab, Dalia A. Abdel-Wahab, and Marwa T. El-Mahdy.	2021	Plant Cell, Tissue and Organ Culture	Iron and zinc supplies mitigate cadmium toxicity in micropropagated banana ( <i>Musa spp.</i> ).	.37

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		(PCTOC), 145:367-377		
Fawzy M. Salama, Monier M. Abd El-Ghani, Suzan Abd El-Monem Sayed, Amany H. A. Abeed, Alaa A. Kotp and <b>Dalia A. Abdel-Wahab.</b>	2021	Bioscience Research. 18 (1): 77-89.	<i>In vitro</i> anticancer and antioxidant potency of leaves extract of <i>Ochradenus baccatus</i> Delile.	<b>.38</b>
Osama A. Al-Bedak, Mohamed A. Abdel-Sater, Ayat M.A. Abdel-Latif and <b>Dalia A. Abdel-Wahab.</b>	2021	Journal of Basic & Applied Mycology (Egypt), 12: 27-41	Endophytic mycobiota and enzymatic capacity in wild and cultivated plants in New Valley, Egypt: A comparative analysis..	<b>.39</b>
Ali Gaafar, Monier Abd El-Ghani, Azza El Hadidy and Ethar Hussein	2021	Bull. Iraq nat. Hist. Mus.	A MULTIVARIATE MORPHOMETRIC ANALYSIS LOTUS L., 1753 (FABACEAE, OF THE GENUS LOTEAE) FROM EGYPT	<b>.40</b>
Abass A. El- Ghamery1; Ahmed Sadek1; <b>Ali Gaafar</b>	2021	Egyptian Journal of Botany	Anatomical Remarks of Some Species of Silene and Bufonia (Caryophyllaceae), Endemic to Sinai, Egypt	<b>.41</b>
Abdel-Sater MA, Abdel-Latif AMA, <b>Abdel-Wahab DA</b> and Al-Bedak OA.	2021	Studies in Fungi. 6 (1): 78-91.	Endophytic mycobiota of wild medicinal plants from New Valley Governorate, Egypt and quantitative assessment of their cell wall degrading enzymes.	<b>.42</b>
Bakhit M.S., <b>Abdel-Aziz A.E.</b>	2021	Phytotaxa	Chaetopsina aquatica sp. nov. (Hypocreales, Nectriaceae) from the River Nile, Egypt	<b>.43</b>
Mohamed Gomaa, Ayat Zien-Elabdeen, Awatief F Hifney, Mahmoud S Adam	2021	<b>environmental science and pollution</b>	Environmental risk analysis of pharmaceuticals on freshwater phytoplankton assemblage: effects on alpha, beta, and taxonomic diversity	<b>.44</b>
Mohamed Gomaa, Ayat Zien-Elabdeen, Awatief F Hifney, Mahmoud S Adam	2021	environmental science and pollution	Phycotoxicity of antibiotics and non-steroidal anti-inflammatory drugs to green algae <i>Chlorella</i> sp. and	<b>.45</b>

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			Desmodium spinosus: Assessment of combined toxicity by Box–Behnken ...	
Awatief F Hifney, Ayat Zien-Elabdeen, Mahmoud S Adam, Mohamed Gomaa	2021	environmental science and pollution	<i>Biosorption of ketoprofen and diclofenac by living cells of the green microalgae Chlorella sp.</i>	.46
Nemmat Abdel-Gawad Hussein, Mady Ahmed Ismail, Mona Fathy Abd Elmawla Dawood, <b>Marwa Mahmoud Ragaey</b> , Arwa Abdel-Aziz Mostafa El-Khatib	2020	Journal of Multidisciplinary Sciences	In vitro estimation of the phosphate-solubilizing potentiality of rhizosphere fungi isolated from New Valley Governorate, Egypt	.47
Sami G. A. Flimban, <b>Sedky H.A. Hassan</b> , Md. Mukhlesur Rahman, Sang-Eun Oh (2020)	2020	International Journal of Hydrogen Energy	The effect of Nafion membrane fouling on the power generation of microbial fuel cell.	.48
Osama Abdel-Hafeez Mohamed Al-Bedak, Mohamed Ahmed Abdel-Sater, Ayat Moustafa Abdel-Fattah Abdel-Latif, <b>Dalia Ahmed Abdel-Wahab</b> .	2020	Journal of Multidisciplinary Sciences, 2(1), 1-9.	<i>Aspergillus creber</i> and <i>A. keveii</i> , two new records as endophytes from wild medicinal plants in Egypt.).	.49
<b>Dalia A Abdel-Wahab</b> , Nasim ARM Othman and Afaf M Hamada.	2020	Egyptian Journal of Botany, 60 (2): 503-517.	Zinc Oxide Nanoparticles Induce Changes in the Antioxidant Systems and Macromolecules in the <i>Solanum nigrum</i> Callus.	.50
Amany H.A. Abeed, Mamdouh A. Eissa and <b>Dalia A. Abdel-Wahab</b> .	2020	Journal of soil science and plant nutrition, 21: 131–144	Effect of exogenously applied jasmonic acid and kinetin on drought tolerance of wheat cultivars based on Morphophysiological evaluation	.51