

### Department of Biological Sciences: List of Published Scientific papers (2024)

	Title of published scientific paper	Authors affiliated to the Department (s)	Journal	Classification and category of the Journal	DOI
1	Thymus algeriensis Boiss. et Reut., a north African endemic plant species: genetic diversity and population structure as assessed by molecular markers, a pioneer step for conservation implications.	Ben Elhadj Ali, I., Yangui, I., Raadani, A., <b>Guetat, A.</b> , Hmissi, S., Flihi, J., ... & Messaoud, C.	Molecular Biology Reports, 51(1), 534.	Scopus (Q2)	<a href="https://doi.org/10.1007/s11033-024-09473-x">https://doi.org/10.1007/s11033-024-09473-x</a>
2	Overcoming Chemoresistance and Radio resistance in Prostate Cancer: The Emergent Role of Non-Coding RNAs	Sarfraz, M., Khan, A., Eltaib, L., Asdaq, S. M. B., <b>Guetat, A.</b> , Alzahrani, A. K., ... & Imran, M. (2024).	. Pathology- Research and Practice, 155179.	WOS (Q2)	<a href="https://doi.org/10.1016/j.prp.2024.155179">https://doi.org/10.1016/j.prp.2024.155179</a>

	Title of published scientific paper	Authors (s)	Journal	Classification and category of the Journal	DOI
3	Phytochemical Analysis, acetylcholinesterase inhibition, antidiabetic and antioxidant activity of <i>Atriplex halimus</i> L.(Amaranthaceae Juss.).	Mkaddem Guedri, Mounira, Nouha Krir, Carolina Clausell Terol, Mehrez Romdhane, Abdennacer Boulila, and <b><u>Arbi Guetat.</u></b> "	Chemistry & Biodiversity	Scopus (Q3)	<a href="https://doi.org/10.1002/cbdv.202301941">https://doi.org/10.1002/cbdv.202301941</a>
4	PHYSIOLOGICAL AND BIOCHEMICAL RESPONSES IN MEDITERRANEAN SALTBUSH ( <i>ATRIPLEX HALIMUS</i> L., AMARANTHACEAE JUSS.) TO HEAVY METAL POLLUTION IN ARID ENVIRONMENT.	NOUHA, K., MOUNIRA, G. M., LAMIA, H., <b><u>SHAHHAT, I.</u></b> , MEHREZ, R., & <b><u>ARBI,</u></b> <b><u>G.</u></b>	Pak. J. Bot, 2007 - ١٤٢٨ جامعة الحدود الشمالية NORTHERN BORDER UNIVERSITY	WOS (Q3)	<a href="http://dx.doi.org/10.30848/PJB2024-5(25)">http://dx.doi.org/10.30848/PJB2024-5(25)</a>

### Department of Biological Sciences: List of Published Scientific papers (2023)

	Title of published scientific paper	Authors affiliated to the Department (s)	Journal	Classification and category of the Journal	DOI
5	Potassium Nitrate and Ascorbic Acid Priming Improved Tissue Chemical Composition and Antioxidant and Antimicrobial Activities of Linseed ( <i>Linum usitatissimum</i> L.) Sprouts.	Zrig, A., <u>Yousif Sidahmed Elsheikh, S.</u> , Hamouda, F., Najar, B., A. Alsherif, E., Magdy Korany, S., ... & AbdElgawad, H	ACS omega	Scopus (Q2)	<a href="https://doi.org/10.1021/acsomega.3c03002">https://doi.org/10.1021/acsomega.3c03002</a>
6	Valorization of Lyophilized Olive Mill Wastewater: Chemical and Biochemical Approaches.	Dali, I., <u>Abdelwahab, A.</u> T., Aydi, A., Fares, N., Eladeb, A., Hamzaoui, M., ... <u>Marwa A. Abdelfattah</u> & <u>Guetat, A</u>	Sustainability- MDPI	Scopus (Q2)	<a href="https://doi.org/10.3390/su15043360">https://doi.org/10.3390/su15043360</a>

	Title of published scientific paper	Authors affiliated to the Department (s)	Journal	Classification and category of the Journal	DOI
7	Solubility measurement of syringic acid, trans-cinnamic acid, p-coumaric acid, and vanillin constituent of <i>Deverra DC.</i> genus in (ethyl acetate+ ethyl alcohol) mixtures: Thermodynamic modeling and preferential solvation	Noubigh, A., Abualreish, M. J., Mogharbel, R. T., Alanazi, A. F., Alanazi, T. S., & <b><u>Guetat, A.</u></b>	Journal of . Molecular Liquids	Scopus (Q2)	<a href="https://doi.org/10.1016/j.molliq.2023.122710">https://doi.org/10.1016/j.molliq.2023.122710</a>
8	A new and rapid process as an efficacy essential oils extraction system of <i>Ammoides verticillata</i> (Duby) Briq.	Benabed, M., Benmoussa, H., <b><u>Guetat, A.</u></b> , Elfalleh, W., Benhamou, A., Morsli, A., ... & Benabed, F. Z. (2023).	Journal of Essential Oil Bearing Plants	Scopus (Q2)	<a href="https://doi.org/10.1080/0972060X.2023.2230238">https://doi.org/10.1080/0972060X.2023.2230238</a>

### Department of Biological Sciences: List of Published Scientific papers (2022)

	Title of published scientific paper	Authors affiliated to the Department (s)	Journal	Classification and category of the Journal	DOI
9	Deverra triradiata Hochst. ex Boiss. from the Northern Region of Saudi Arabia: Essential oil profiling, plant extracts and biological activities.	<b><u>Guetat, A.</u></b> , <b><u>Abdelwahab, A. T.</u></b> , Yahia, Y., Rhimi, W., Alzahrani, A. K., Boulila, A., ... & Boussaid, M.	Plants- MDPI	Scopus (Q1)	<a href="https://doi.org/10.3390/plants1121543">https://doi.org/10.3390/plants1121543</a>
10	The Genus Deverra DC.(Syn. Pituranthos Viv.): A natural valuable source of bioactive phytochemicals: A review of traditional uses, phytochemistry and pharmacological properties.	Guetat, A.	Journal of Ethnopharmacology,	Scopus (Q1)	<a href="https://doi.org/10.1016/j.jep.2021.114447">https://doi.org/10.1016/j.jep.2021.114447</a>

### Department of Biological Sciences: List of Published Scientific papers (2021)

	Title of published scientific paper	Authors affiliated to the Department (s)	Journal	Classification and category of the Journal	DOI
11	Understanding Sarcospan Protein Function by Exposure of Mice to Beta-Adrenergic Stress Conditions.	Wacker, A. L., <b>Elsheikh, S.</b> , Valera, I. C., Hwang, H. S., & Parvatiyar, M. S. (2020).	The FASEB Journal, 34(S1), 1-1.	WOS (Q1)	<a href="https://doi.org/10.1096/fasebj.2020.34.s1.07250">https://doi.org/10.1096/fasebj.2020.34.s1.07250</a>
12	Establishing a Role for Sarcospan as an Obesity-Susceptibility Gene in Mice.	Matthews, A., Valera, I., Crawford, R., <b>Elsheikh, S.</b> , Hwang, H., & Parvatiyar, M. (2021)	The FASEB Journal	WOS (Q1)	<a href="https://doi.org/10.1096/fasebj.2021.35.S1.04513">https://doi.org/10.1096/fasebj.2021.35.S1.04513</a>

	Title of published scientific paper	Authors affiliated to the Department (s)	Journal	Classification and category of the Journal	DOI
13	Comparative Study between exogenously applied plant growth hormones versus metabolites of microbial endophytes as plant growth-promoting for <i>Phaseolus vulgaris</i> L.	Ismail, M. A., Amin, M. A., Eid, A. M., Hassan, S. E. D., Mahgoub, H. A., Lashin, I., ... <b>Abdelrhman T. Abdelwahab</b> & Fouda, A.	Cells- MDPI	WOS (Q2)	<a href="https://doi.org/10.3390/cells10051059">https://doi.org/10.3390/cells10051059</a>
14	<i>Deverra tortuosa</i> (Desf.) DC from Saudi Arabia as a new source of marmin and furanocoumarins derivatives with $\alpha$ -glucosidase, antibacterial and cytotoxic activities.	Oueslati, M. H., <b>Guetat, A.</b> , Bouajila, J., Alzahrani, A. K., & Basha, J. (2021).	Heliyon, 7(4).	WOS (Q2)	<a href="https://doi.org/10.1016/j.heliyon.2021.e06656">https://doi.org/10.1016/j.heliyon.2021.e06656</a>

	Title of published scientific paper	Authors affiliated to the Department (s)	Journal	Classification and category of the Journal	DOI
15	2019-nCoV2: An Overview of Awareness about Emerging and Re-emerging Infectious Diseases and Sustainable Development: A Retrospective and Cross-sectional Study.	<u>Guetat, A.</u> , Alshrari, A. S., Chebbi, T., <u>Abdelwahab, A. T.</u> , Abdelfattah, M. A., Alenezi, A. S., & Al-Ghamdi, F. (2021).	Journal of Pharmaceutical Research International	WOS (Q4)	10.9734/jpri/2021/v33i49B33349

### Department of Biological Sciences: List of Published Scientific papers (2020)

	Title of published scientific paper	Authors affiliated to the Department (s)	Journal	Classification and category of the Journal	DOI
16	Understanding Sarcospan Protein Function by Exposure of Mice to Beta-Adrenergic Stress Conditions.	Wacker, A. L., <b><u>Elsheikh, S.</u></b> , Valera, I. C., Hwang, H. S., & Parvatiyar, M. S. (2020).	The FASEB Journal, 34(S1), 1-1.	WOS (Q1)	<a href="https://doi.org/10.1096/fasebj.2020.34.s1.07250">https://doi.org/10.1096/fasebj.2020.34.s1.07250</a>
17	Prophylactic effect of vitamin e on carmoisine food dye induced kidney damage in male mice: Histological, physiological and immunological studies.	Ibrahim, A. A., <b><u>El-Sherbeny, A. S.</u></b> , & Al-Shaikh, T. M.	BIOTECHNOLOGY & APPLIED MICROBIOLOGY	WOS (Q4)	<a href="http://dx.doi.org/10.5958/0974-4517.2020.00007.5">http://dx.doi.org/10.5958/0974-4517.2020.00007.5</a>
18	Cytotoxic, $\alpha$ -glucosidase, and	Oueslati, M. H.,	Pharmacognosy	WOS (Q4)	<a href="http://pmc.ncbi.nlm.nih.gov/articles/PMC7232191/">pmc.ncbi.nlm.nih.gov/articles/PMC7232191/</a>

antioxidant activities of flavonoid glycosides isolated from flowers of Lotus lanuginosus Vent.(Fabaceae).	Bouajila, J., Guetat, A., Al-Gamdi, F., & Hichri, F. (2020).	Magazine, 16(68).		
--	--	-------------------	--	--