

**Supplementary tables:**

Table S1: Monthly means of min. and max. temperatures, rainfall, wastewater irrigation amounts and mean monthly potential evapotranspiration (PET).

Month	Max T (°C)	Min T (°C)	Rainfall (mm)	Irrigation (mm)	PET (mm)
Jan	15	3	32.5	100	1.9
Feb	17	4	28.5	100	2.7
Mar	21	7	26	100	4.0
Apr	26	11	10.5	180	4.5
May	30	15	6	180	6.5
Jun	34	17	0	180	7.0
Jul	35	19	0	180	7.0
Aug	36	19	0	180	6.4
Sep	34	17	0	180	5.7
Oct	29	13	5.5	180	4.6
Nov	22	8	11	180	2.6
Dec	17	4	29.5	100	1.8

Table S2: Selected Woody tree species grown used to study the long-term effects of irrigation with treated wastewater effluents in Wadi-Musa Treatment Plant.

<b>Common name</b>	<b>Scientific name</b>	<b>Family</b>	<b>Description /uses</b>	<b>Reference</b>
Ficus	<i>F. Nitida</i> L.	Moraceae	10 m evergreen woody street, and home gardens trees	Emara et al. [84]
Mediterranean cypress	<i>C. sempervirens</i> L.	Cupressaceae	30 m evergreen trees with erect branches, suitable for ornamental uses	Giovanelli and De Carlo [85]
Weeping bottlebrush	<i>M. viminalis</i> L.	Myrtaceae	10 m evergreen shrubs, suitable for gardens and have antimicrobial activity	Hameed and Adil [86]
Common oleander	<i>N. oleander</i> L.	Apocynaceae	10 m evergreen shrub, garden, and roadsides in urban areas	Aksoy and Öztürk [75]
Robinia, black locust	<i>R. pseudoacacia</i> L.	Fabaceae	Fast-growing deciduous, 12-30 m, nitrogen-fixing species used for fire- wood	Sádlo et al. [87]
Black poplar	<i>P. nigra</i> L.	Salicaceae	Fast-growing deciduous tree, 20-30 m, drought tolerant important forest tree.	Vanden [88]