Supplementary Figures

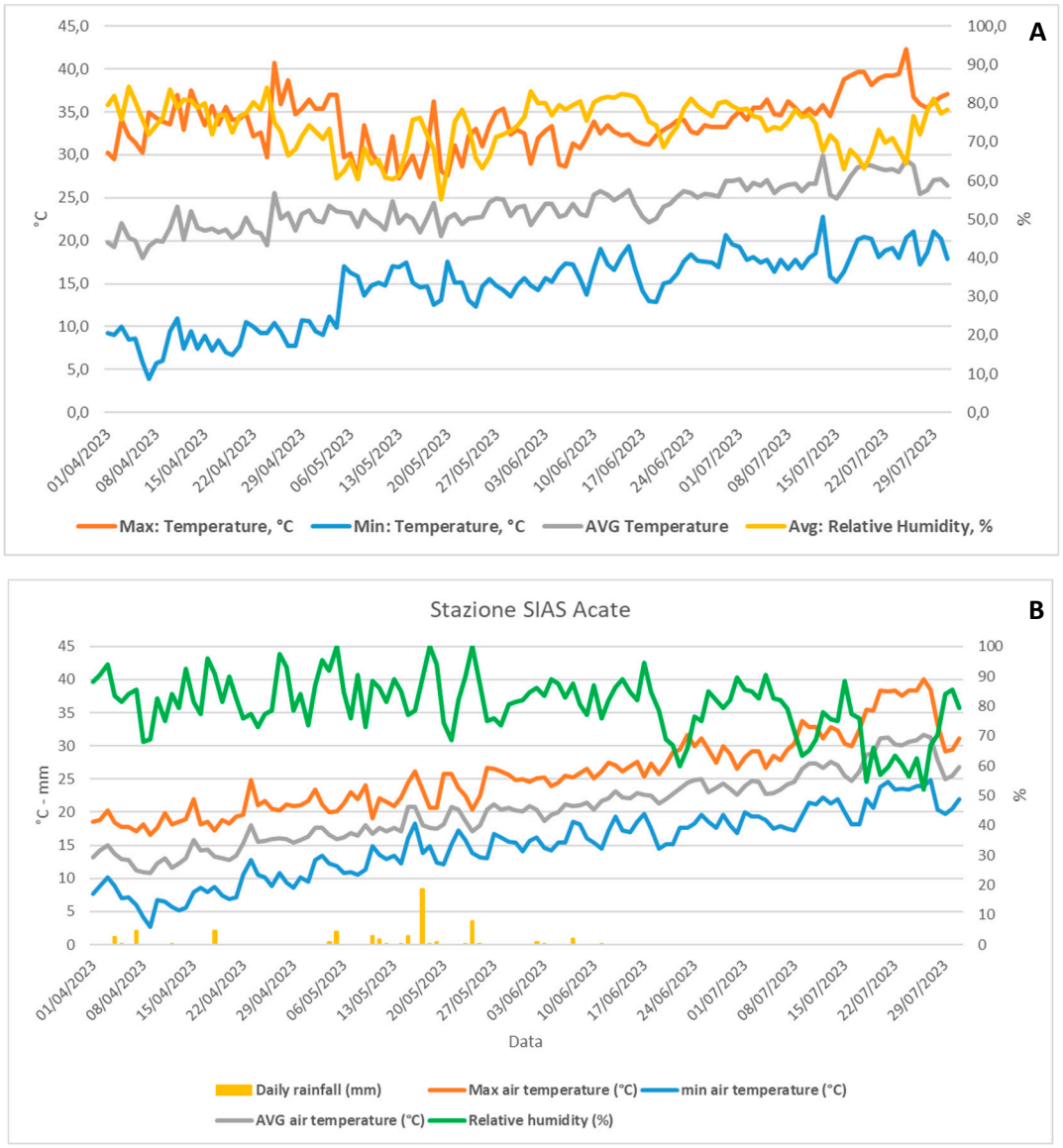


Figure S1. Climate data recorded throughout the trial by data logger (A) and sourced by SIAS (B)

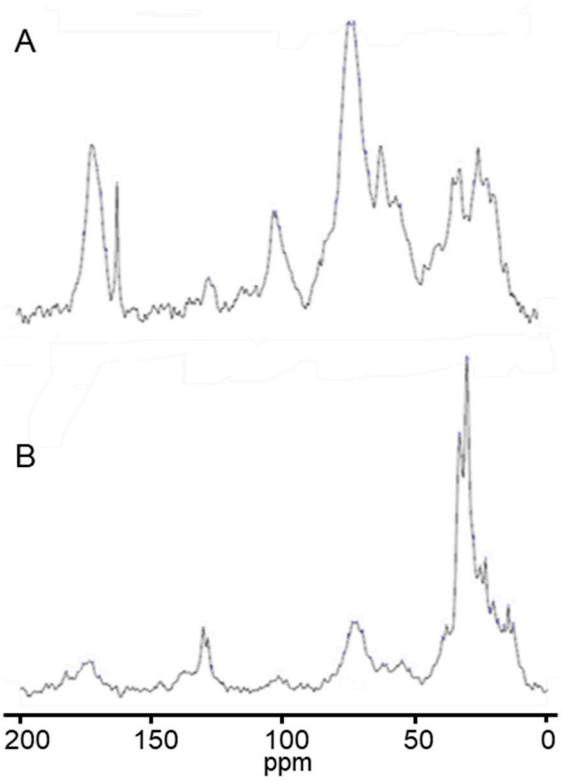


Figure S2. ^{13}C NMR spectra of biomass of *Klebsormidium* sp. K39 biomass (A), and extract (B).

Supplementary Tables

Table S1 Chemical analysis of the soil before the experimental trials

Parameters	Measure Units	Samples
Sand material	%	81,68
Limiform material	%	11,83
Argillaceous material	%	6,49
C/N	---	7,73
C/P	---	105
Organic matter	%	1,07
Organic carbon	%	0,62
Total nitrogen	%	0,08
Total limestone	%	21,6
Active limestone	%	3,6
Assimilable phosphorus	Ppm	135
Exchangeable calcium	Ppm	1,736
Exchangeable magnesium	Ppm	203
Exchangeable potassium	Ppm	96
Exchangeable sodium	Ppm	258
Ca/Mg	---	6,14
K/Mg	---	0,20
Na/Ca	---	0,13
C.S.C.	me 100 g^{-1}	8,24
Calcium	%	75,18
Magnesium	%	12,24
Potassium	%	2,48
Sodium	%	10,10
Iron	Ppm	15,6
Manganese	Ppm	14,4
Zinc	Ppm	6,9
Copper	Ppm	4,8

Table S2 Main chemical and biological properties of wastewater at time zero and final time.

Parameters	Initial Values	Final Values
pH	8.85	9.78
EC (μS cm^{-1})	1586	1076
TN (mg L^{-1})	16.24	6.16
TP (mg L^{-1})	6.83	3.98
COD (mg L^{-1})	753	14
Zn (mg L^{-1})	Nd	nd
Cu (mg L^{-1})	Nd	nd
Cd (mg L^{-1})	Nd	nd
Pb (mg L^{-1})	Nd	nd
Ni (mg L^{-1})	Nd	nd
Hg (mg L^{-1})	Nd	nd

*nd: not detected, below detection limits

Table S3 ANOVA effects of single sampling of tomato fruits.

		First sampling		Second sampling		Third sampling	
Factor	**df**	**F**	**p-value**	**F**	**p-value**	**F**	**p-value**
Treatments	3	39.063	<,001	75.708	<,001	46.249	<,001

Note: F test of fixed effects, p-value associated to F.
Abbreviations: df = degree of freedom.