

## SUPPLEMENTARY MATERIAL

### One step bioremediation of olive-oil-mill waste by organoinorganic catalyst for humics-rich soil conditioner production

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**Table S1.** Statistical processing of lettuce germination data using One-Way ANOVA.

#### ANOVA

Dependent Variable: LETTUCE GERMINATION

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	14208.225	3	4736.075	854.807	.000
Within Groups	642.700	116	5.541		
Total	14850.925	119			

#### Multiple Comparisons

Dependent Variable: LETTUCE GERMINATION

Tukey HSD

(I) OMW	(J) OMW	Mean Difference		Sig.	95% Confidence Interval	
		(I-J)	Std. Error		Lower Bound	Upper Bound
0	33	10.000*	.608	.000	8.42	11.58
	50	20.000*	.608	.000	18.42	21.58
	100	29.100*	.608	.000	27.52	30.68
33	50	10.000*	.608	.000	8.42	11.58
	100	19.100*	.608	.000	17.52	20.68
50	100	9.100*	.608	.000	7.52	10.68

\*. The mean difference is significant at the 0.05 level.

**Table S2.** Statistical processing of lettuce chlorophyll data using One-Way ANOVA.**ANOVA**

Dependent Variable: LETTUCE CHLOROPHYLL

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	1273715.001	3	424571.667	33580.278	.000
Within Groups	1466.644	116	12.643		
Total	1275181.645	119			

**Multiple Comparisons**

Dependent Variable: LETTUCE CHLOROPHYLL

Tukey HSD

(I) OMW	(J) OMW	Mean Difference		Sig.	95% Confidence Interval	
		(I-J)	Std. Error		Lower Bound	Upper Bound
0	33	-29.6600*	.9181	.000	-32.053	-27.267
	50	35.5000*	.9181	.000	33.107	37.893
	100	-229.9400*	.9181	.000	-232.333	-227.547
33	50	65.1600*	.9181	.000	62.767	67.553
	100	-200.2800*	.9181	.000	-202.673	-197.887
50	100	-265.4400*	.9181	.000	-267.833	-263.047

\*. The mean difference is significant at the 0.05 level.

**Table S3.** Statistical processing of lettuce growth rate data using One-Way ANOVA.**ANOVA**

Dependent Variable: LETTUCE GROWTH RATE

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	6488.668	3	2162.889	5.111	.008
Within Groups	9310.578	22	423.208		
Total	15799.246	25			

**Multiple Comparisons**

Dependent Variable: LETTUCE GROWTH RATE

LSD

(I) % compost	(J) % compost	Mean Difference		Sig.	95% Confidence Interval	
		(I-J)	Std. Error		Lower Bound	Upper Bound
0	33	23.589*	12.046	.034	-1.39	48.57
	50	31.617*	12.046	.015	6.64	56.60
	100	46.331*	12.046	.001	21.35	71.31
33	50	15.029*	10.996	.045	-14.78	30.83
	100	22.743*	10.996	.032	-.06	45.55
50	100	17.714*	10.996	.040	-8.09	37.52

\*. The mean difference is significant at the 0.05 level.

**Table S4.** Statistical processing of real field growth rate data using One-Way ANOVA.

**ANOVA**

Dependent Variable: REAL FIELD GROWTH RATE

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	1848.342	6	308.057	.285	.942
Within Groups	75583.989	70	1079.771		
Total	77432.331	76			