Supplementary information

Biodegradation of allethrin by a novel fungus *Fusarium proliferatum* strain CF2, isolated from contaminated soils

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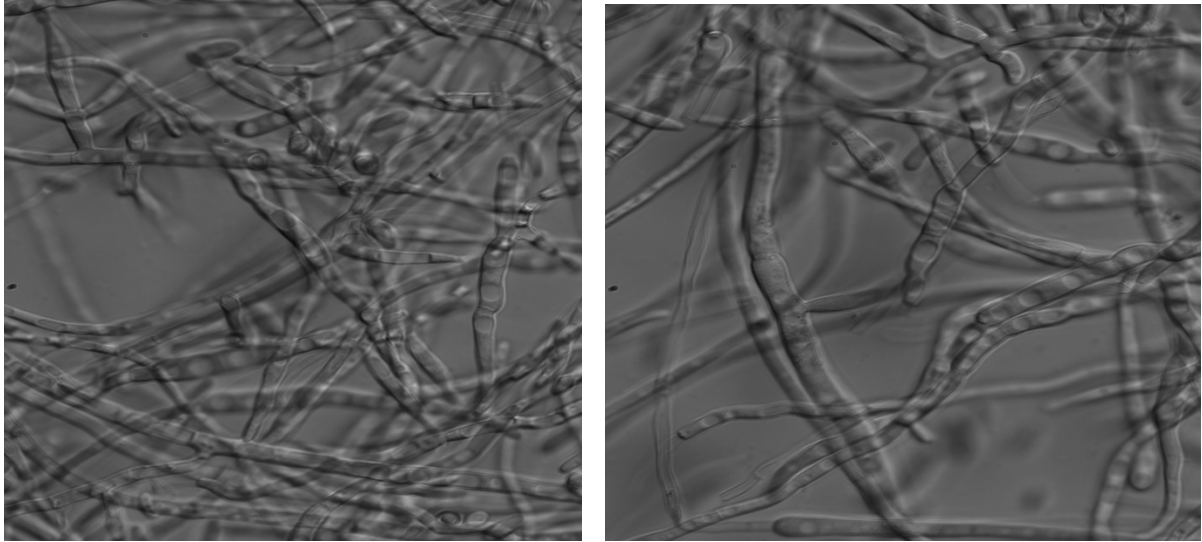Figure S1 Growth of strain CF2 on Czapek-Dox agar medium

Figure S2 The morphological examination of the strain CF2 using compound microscope (Zeiss LSM 880, Germany)
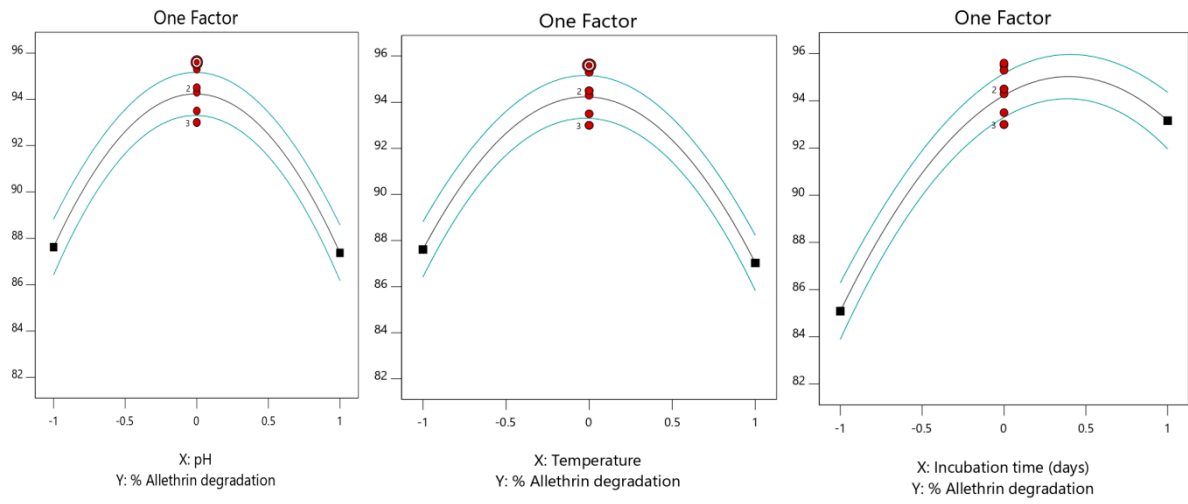
Figure S3 Effect of each of the three parameters (pH, temperature and incubation time) separately on the allethrin degradation

Table S1. Analysis of variance (ANOVA) for the quadratic model in allethrin degradation with strain CF2.

Source.	SS	DF	MS	F-value	p-value
Model	2418.83	9	268.76	143.23	<0.0001
A-A	0.2071	1	0.2071	0.1104	0.7446
B-B	1.17	1	1.17	0.6244	0.4426
C-C	222.74	1	222.74	118.71	<0.0001
AB	12.50	1	12.50	6.66	0.0218
AC	32.00	1	32.00	17.05	0.0010
BC	162.00	1	162.00	86.34	<0.0001
A²	735.86	1	735.86	392.18	<0.0001
B²	775.00	1	775.00	413.03	<0.0001
C²	423.39	1	423.39	225.64	<0.0001
Residual	26.27	14	1.88		
Lack of Fit	16.41	5	3.28	3.00	0.0726
Pure Error	9.86	9	1.10		
Cor Total	2445.10	23			

Note: R^2 = 0.9823, DF refers to the degrees of freedom; SS refers to the sum of squares; MS refers to the mean square. A p-value <0.05 indicates that the model terms are significant.