

Supplementary data

Table S1 Isolates examined for OTA degradation activities by TLC

Classification	Strain number	OTA degradation	Classification	Strain number	OTA degradation	
Bacteria	X13117	+	Bacteria	X3031	+	
	X13124	+		X4011	-	
	X7001	+		X5012	+	
	X13135	+		X5022	-	
	X6001	+		X5032	-	
	X3003	-		X4111	+	
	X13111	+		X4112	-	
	X131111	+		X4121	-	
	X13112	+		X4122	+	
	X131112	-		X5121	+	
	X1011	+		X6111	-	
	X1012	+		X6121	+	
	X1022	+		X6122	-	
	X1032	-		Fungi	M10011	-
	X1062	+			M10012	+
	X1072	+			M30011	+
	X3011	+	M40011		+	
	X3012	+	M50011	-		
	X3021	-	M80011	+		
	X3022	-	M90011	-		

PS: “+” or “-” mean that strain may have or not have the ability to degrade of OTA respectively. A total of 130 isolates (80 bacteria and 50 molds) were tested for their ability to degrade OTA by TLC. The representative 40 strains are shown in the table.

Figure S1. Liquid chromatogram of Cyclopiazonic acid (CA) from fermentation broth of m30011 strain in 14 day.

Figure S2. Response surface plots for the effect of (A) inoculum concentration \times temperature, (B) temperature \times pH and (C) inoculum concentration \times pH on the degradation rate of OTA. Not plotted variable is fixed at zero level in all of the three graphs.

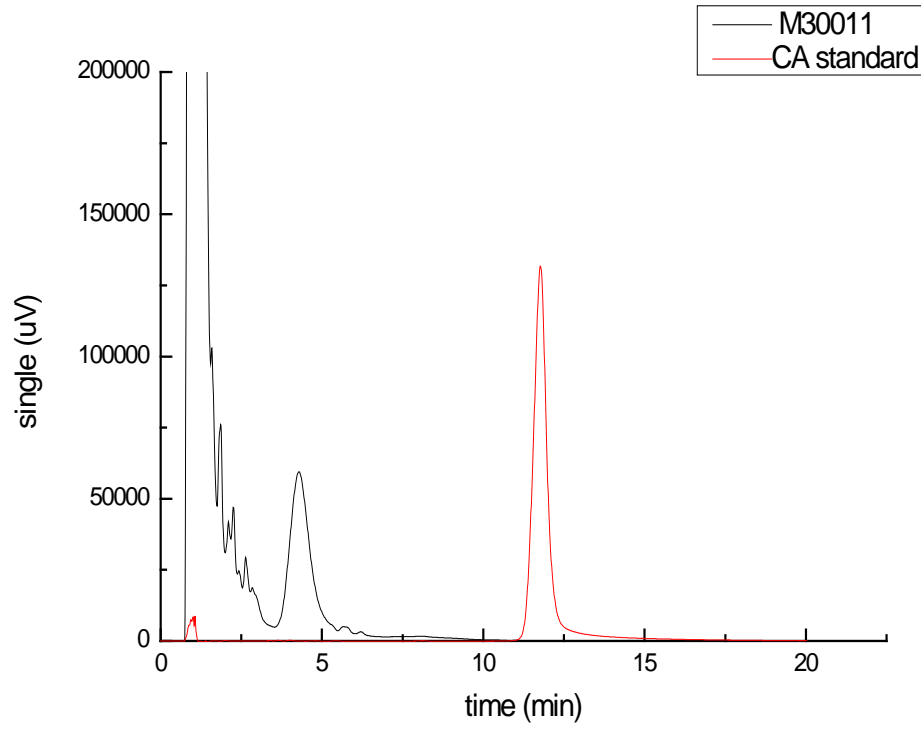
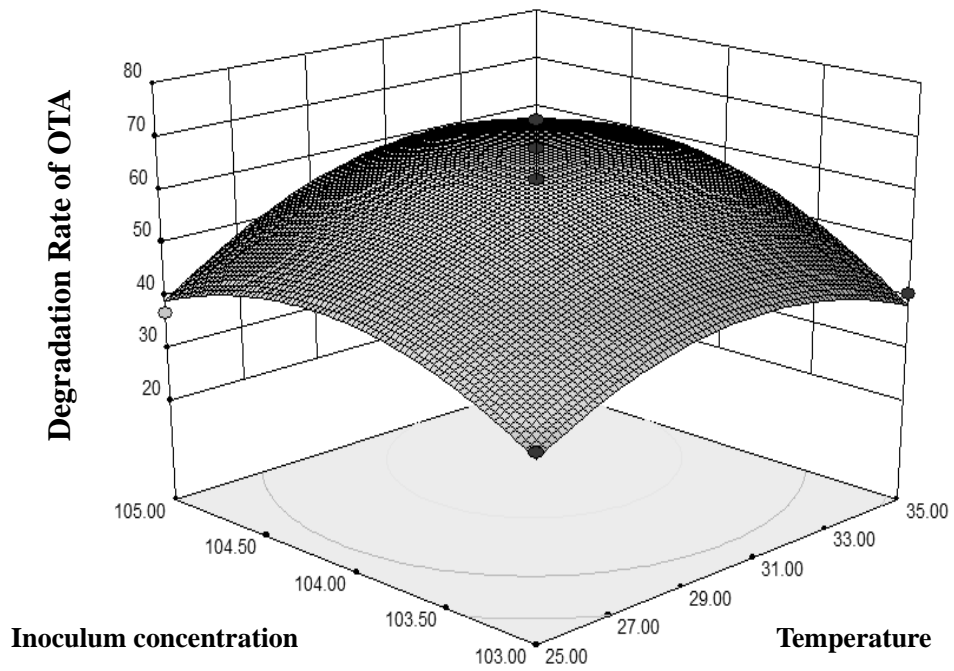
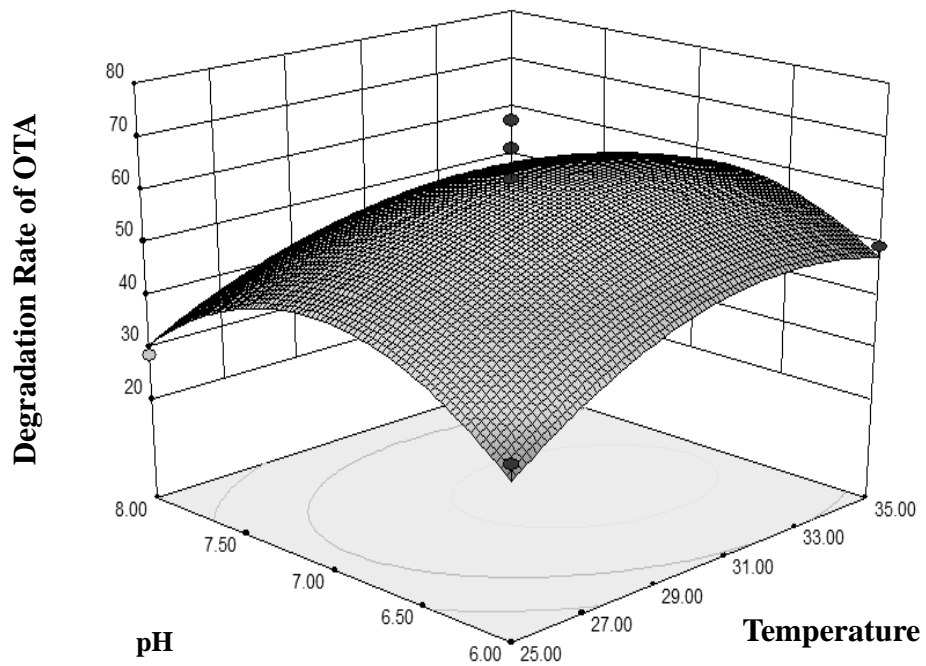
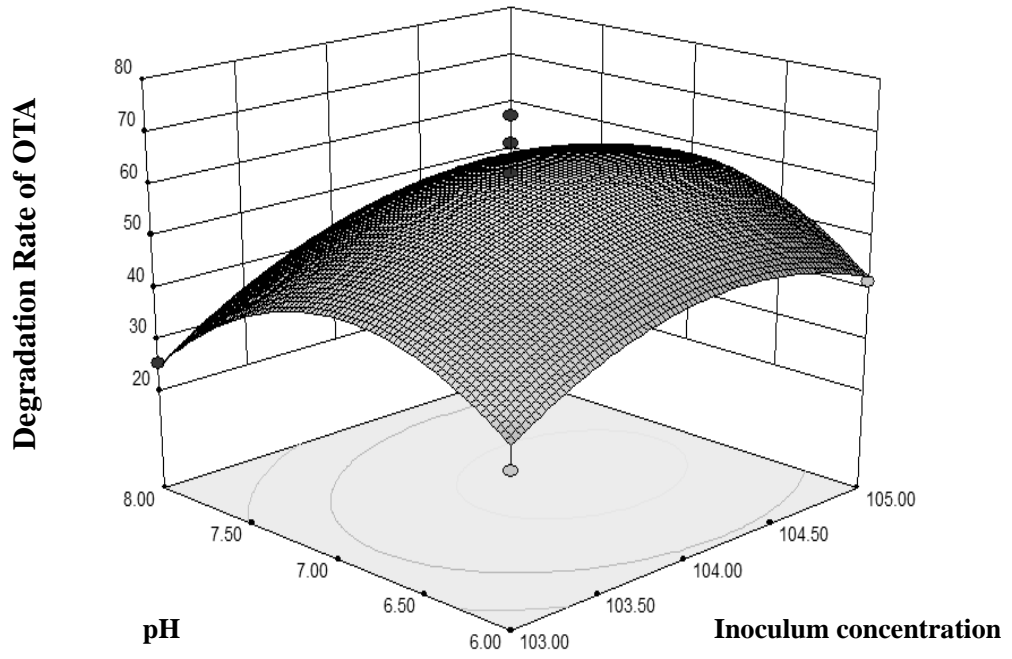


Figure S1



(A)





(C)

Figure S2