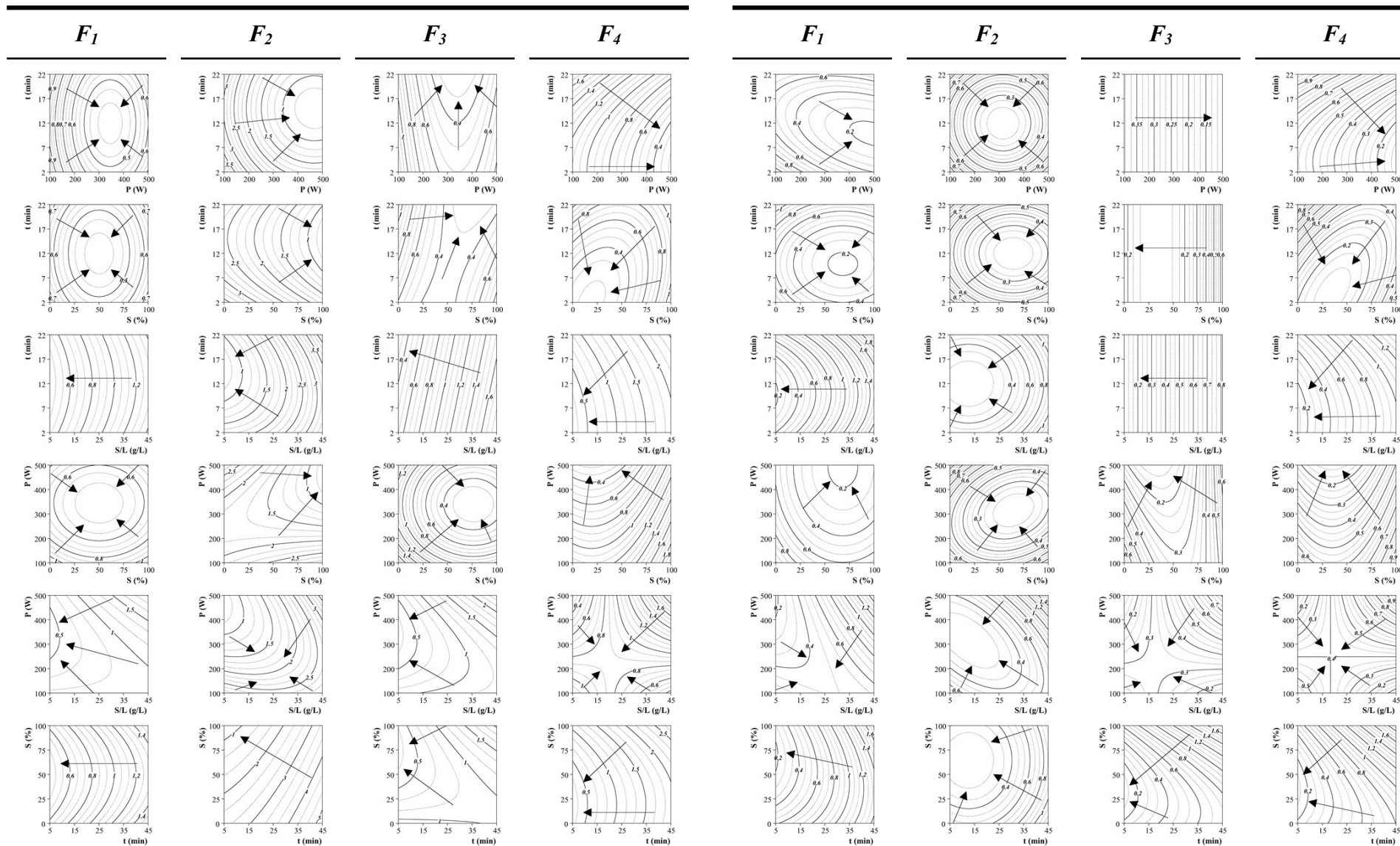


MIC

MFC



3 **Figure A1.** Contour plots for all the antifungal criteria (MIC and MFC) of all fungal strains used: *Aspergillus flavus* (F₁), *Aspergillus niger* (F₂), *Penicillium ochrochloron* (F₃) and *Penicillium verrucosum* var. *cyclopium* (F₄). For representation purposes, the variables excluded in each of the graphs were positioned at the optimal values of the others (Table 3). The obtained parametric fitting values are presented in Table 2.

Table A1: Coded and natural values of the optimization parameters used in the RSM analysis. The four independent variables X_1 (t , time in min), X_2 (P , power in W), X_3 (S , ethanol proportion in %) and X_4 (S/L , solid/liquid ratio in g/L) were combined in a five-level factorial design of 28 independent combinations and four replicates at the centre of the experimental domain.

CODED VALUES	NATURAL VALUES			
	$X_1: t$ (min)	$X_2: P$ (W)	$X_3: S$ (%)	$X_4: S/L$ (g/L)
-2	2	100	0	5
-1	7	200	25	15
0	12	300	50	25
+1	17	400	75	35
+2	22	500	100	45