

An Investigation into *Crithmum maritimum* L. Leaves as a Source of Antioxidant Polyphenols

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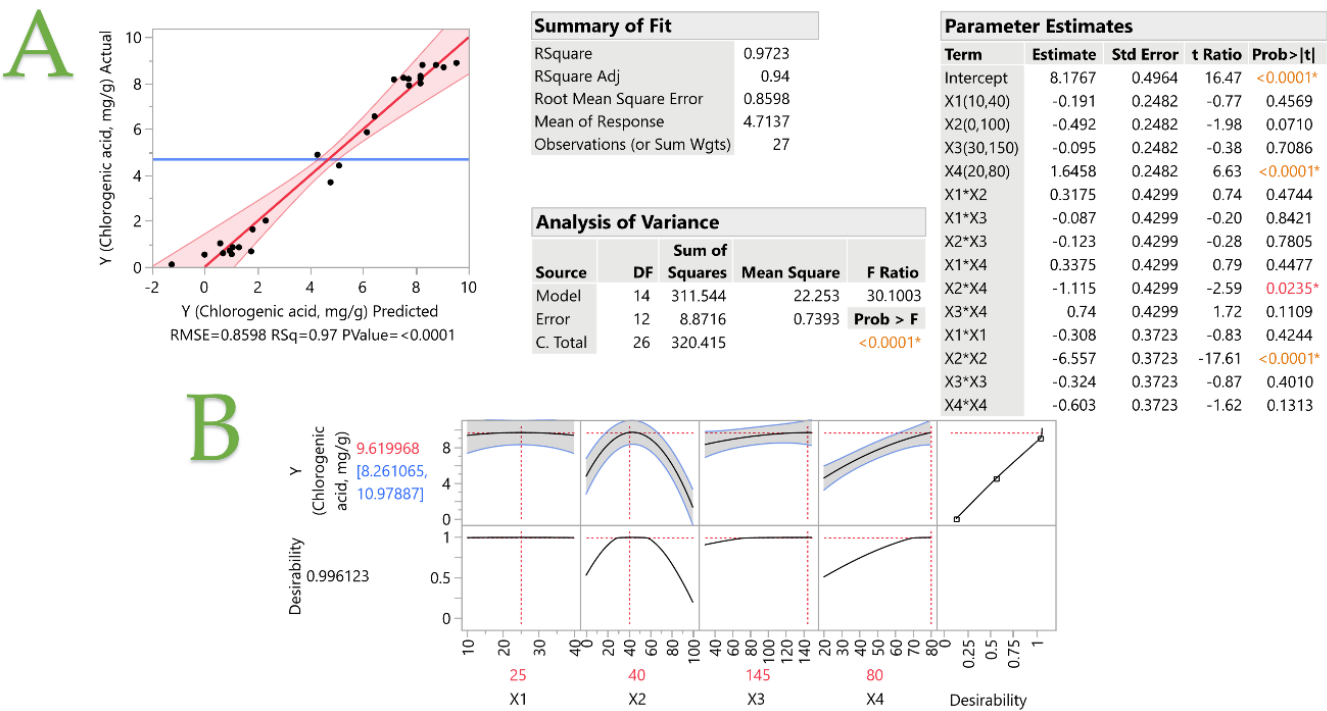


Figure S1. Plots **A** and **B** display the actual response versus the predicted response (Chlorogenic acid, mg/g) for the optimization of *C. maritimum* extracts carried out with hydroethanolic solutions, different extraction methods, and the desirability function. Asterisks and colored values denote statistically significant values, while inset tables include statistics relevant to the evaluation of the resulting model.

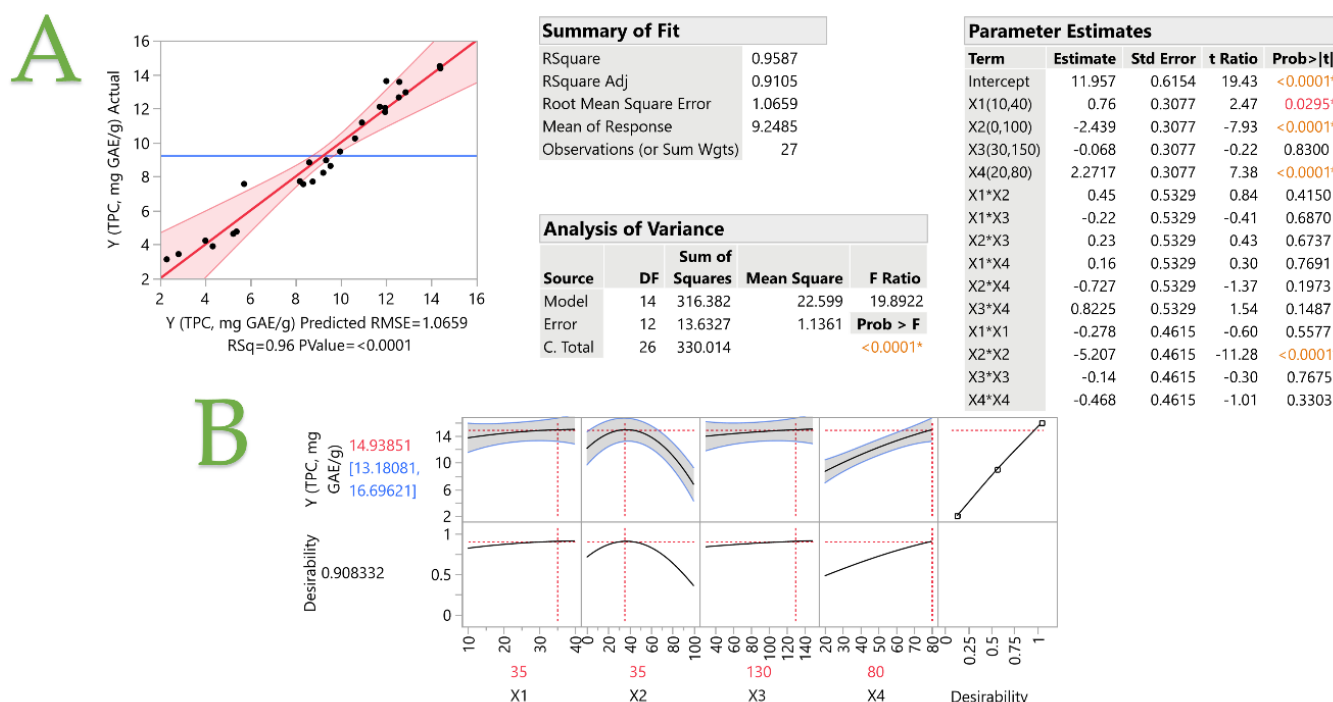


Figure S2. Plots **A** and **B** display the actual response versus the predicted response (Total polyphenol content – TPC, mg GAE/g) for the optimization of *C. maritimum* extracts carried out with hydroethanolic solutions, different extraction methods, and the desirability function. Asterisks and colored values denote statistically significant values, while inset tables include statistics relevant to the evaluation of the resulting model.

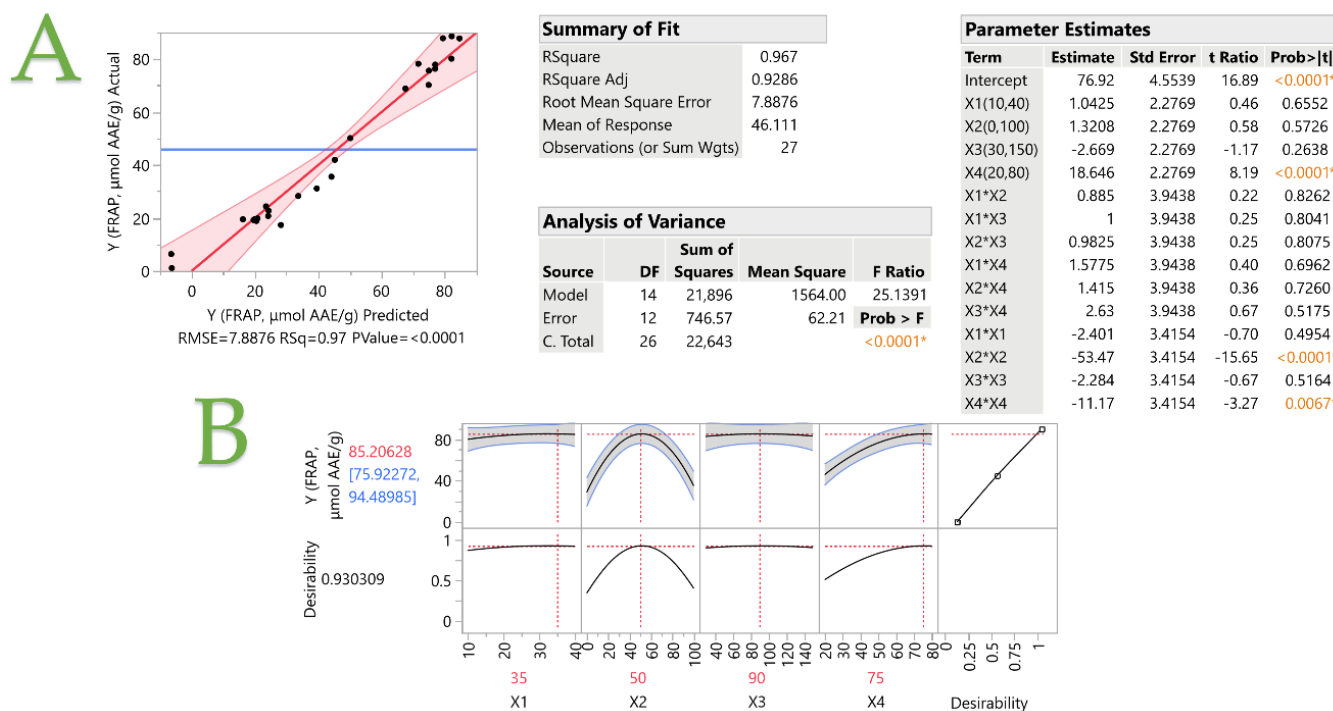


Figure S3. Plots **A** and **B** display the actual response versus the predicted response (FRAP, μmol AAE/g) for the optimization of *C. maritimum* extracts carried out with hydroethanolic solutions, different extraction methods, and the desirability function. Asterisks and colored values denote statistically significant values, while inset tables include statistics relevant to the evaluation of the resulting model.

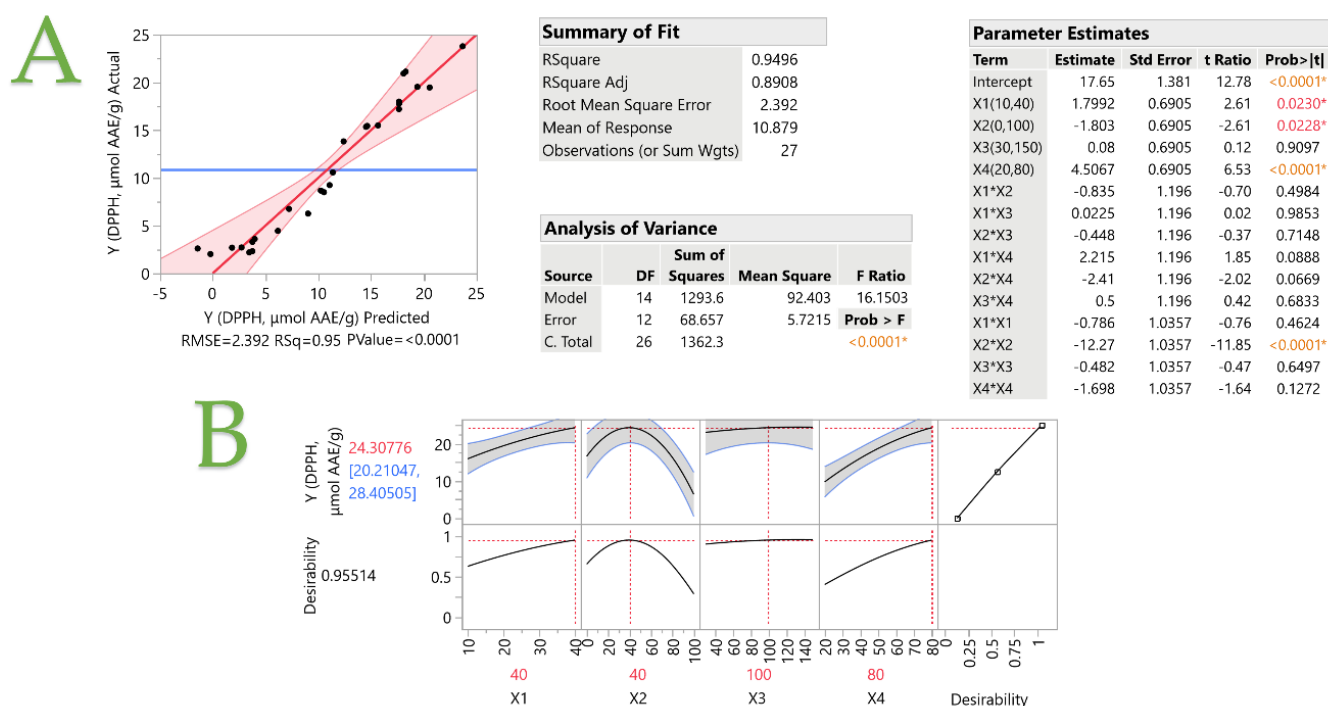


Figure S4. Plots A and B display the actual response versus the predicted response (DPPH, $\mu\text{mol AAE/g}$) for the optimization of *C. maritimum* extracts carried out with hydroethanolic solutions, different extraction methods, and the desirability function. Asterisks and colored values denote statistically significant values, while inset tables include statistics relevant to the evaluation of the resulting model.

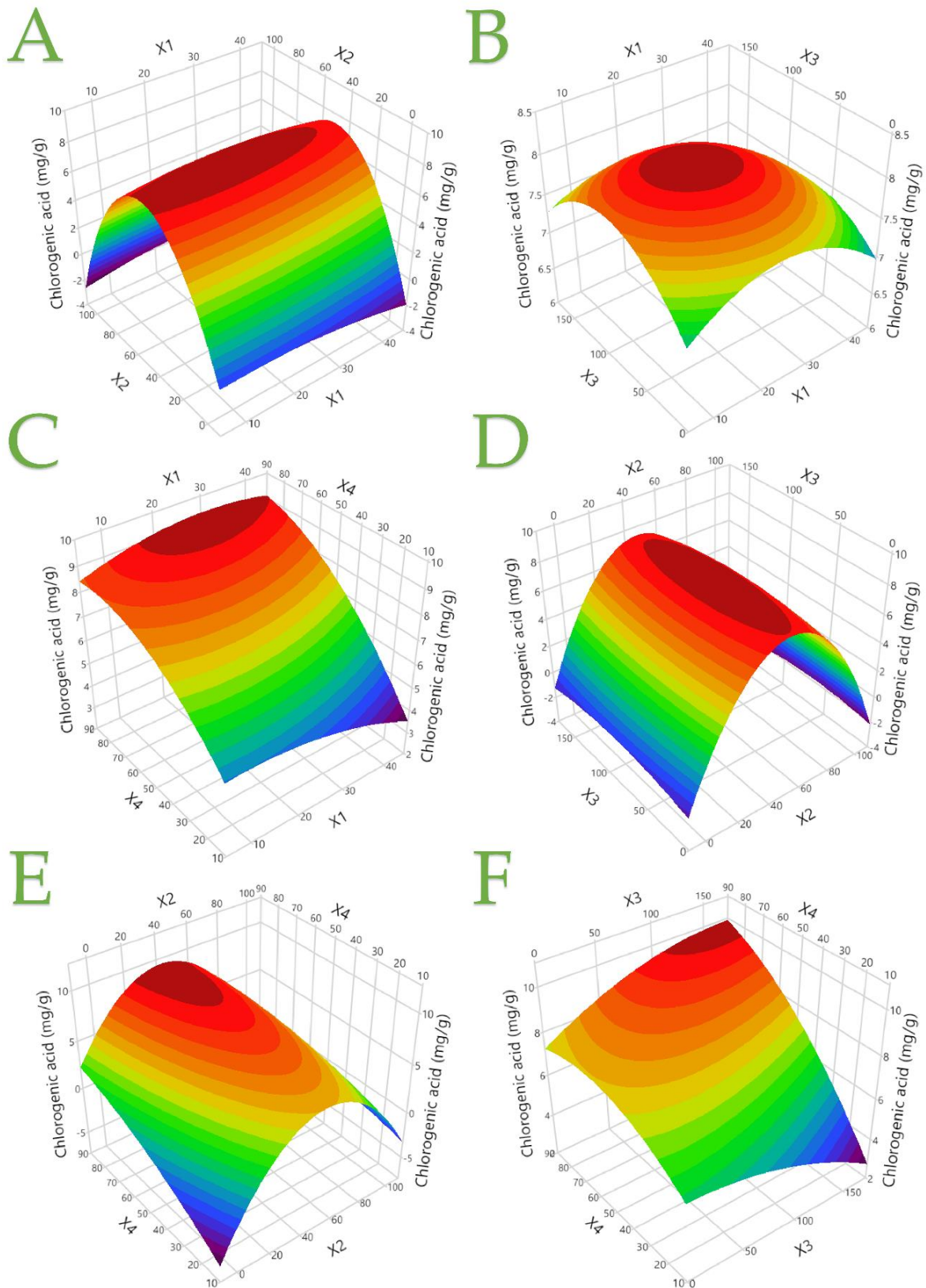


Figure S5. The optimal extraction of *C. maritimum* extracts is shown in 3D graphs that show the impact of the process variables considered in the response (Chlorogenic acid, mg/g). Plot (A), covariation of X1 and X2; plot (B), covariation of X1 and X3; plot (C), covariation of X1 and X4; plot (D), covariation of X2 and X3; plot (E), covariation of X2 and X4; plot (F), covariation of X3 and X4.

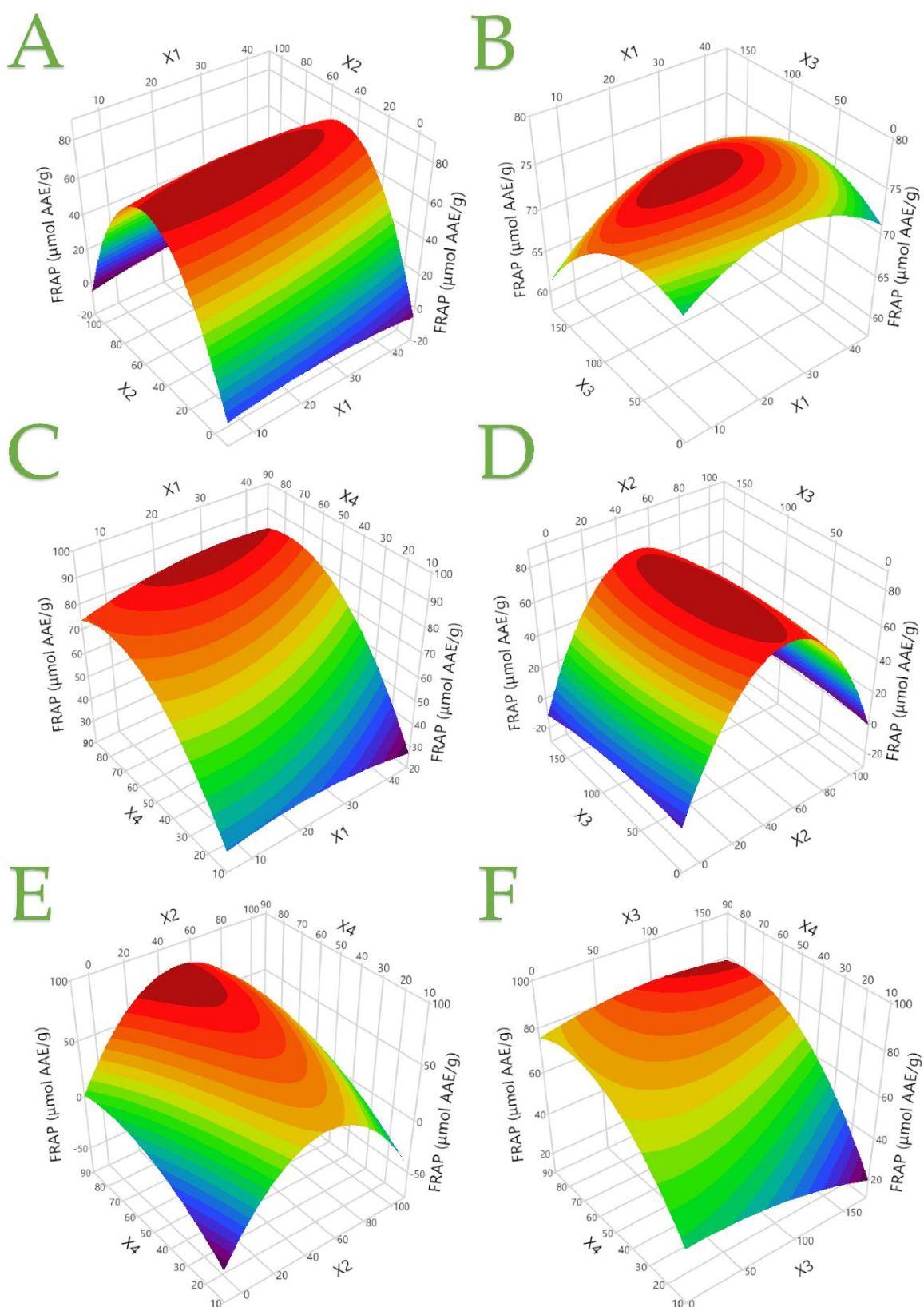


Figure S6. The optimal extraction of *C. maritimum* extracts is shown in 3D graphs that show the impact of the process variables considered in the response (FRAP, $\mu\text{mol AAE/g}$). Plot (A), covariation of X_1 and X_2 ; plot (B), covariation of X_1 and X_3 ; plot (C), covariation of X_1 and X_4 ; plot (D), covariation of X_2 and X_3 ; plot (E), covariation of X_2 and X_4 ; plot (F), covariation of X_3 and X_4 .

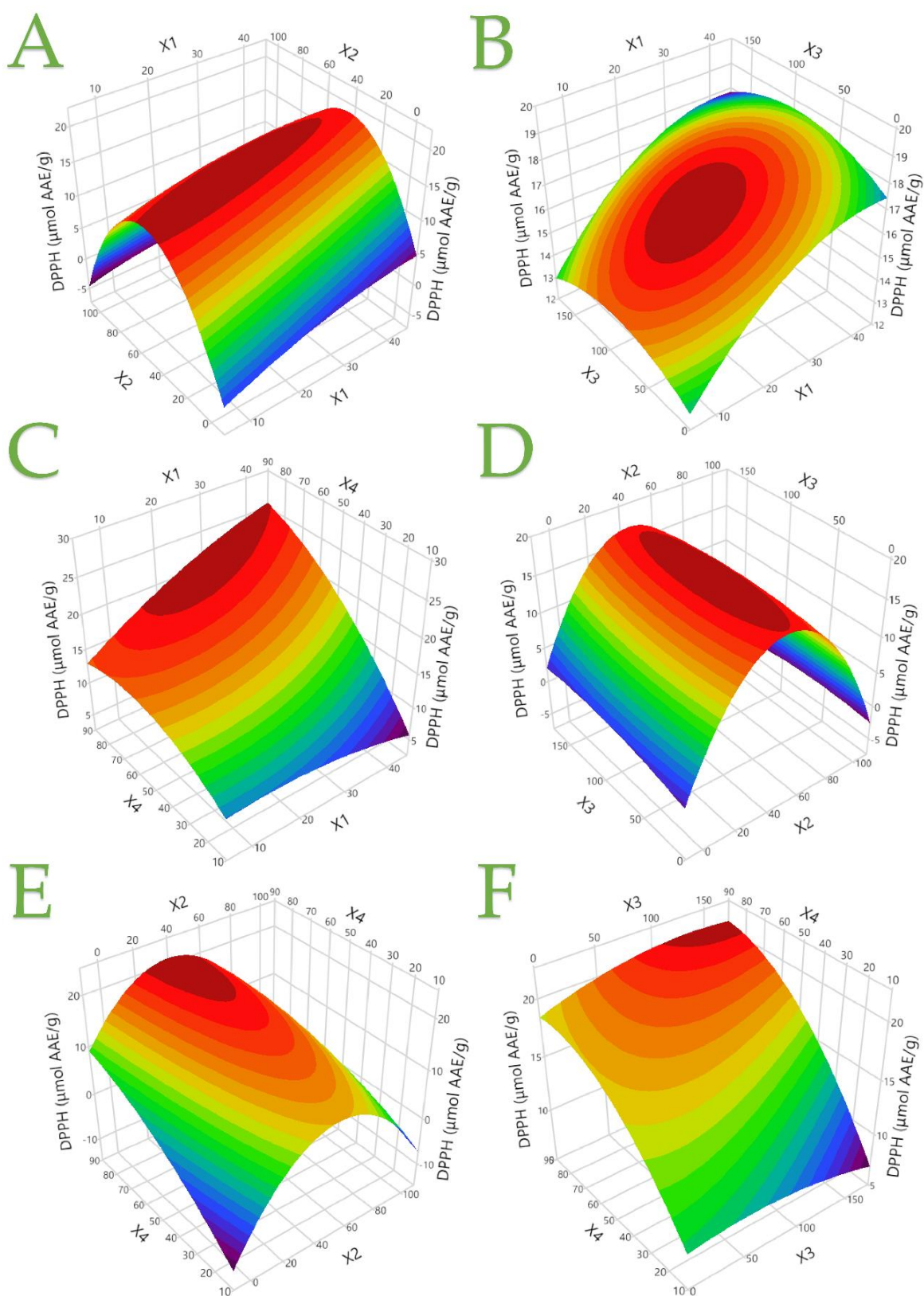


Figure S7. The optimal extraction of *C. maritimum* extracts is shown in 3D graphs that show the impact of the process variables considered in the response (DPPH, $\mu\text{mol AAE/g}$). Plot (A), covariation of X_1 and X_2 ; plot (B), covariation of X_1 and X_3 ; plot (C), covariation of X_1 and X_4 ; plot (D), covariation of X_2 and X_3 ; plot (E), covariation of X_2 and X_4 ; plot (F), covariation of X_3 and X_4 .