

## Supplementary Materials

### Article

### Multienzyme Immobilization on PVDF Membrane via One-Step Mussel-Inspired Method: Enhancing Fouling Resistance and Self-Cleaning Efficiency

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**Table S1.** Analysis of Variance (ANOVA) for the hydrolytic activity of amylase obtained in the CCRD 2<sup>2</sup>.

Variation Source	SS	DL	MS	F <sub>calculated</sub>	F <sub>tabled</sub>
Regression	0.15	5	0.031		
Residues	0.017	5	0.0033	9.37	5.05
Lack of fit	0.015	3	0.0051		
Pure error	0.0011	2	0.00053	9.66	19.16
Total	0.16	10			

**Table S2.** Analysis of Variance (ANOVA) for the hydrolytic activity of lipase obtained in the CCRD 2<sup>2</sup>.

Variation Source	SS	DL	MS	F <sub>calculated</sub>	F <sub>tabled</sub>
Regression	61.54	5	12.31		
Residues	0.66	5	0.13	93.61	5.05
Lack of fit	0.47	3	0.16		
Pure error	0.19	2	0.094	1.68	19.16
Total	61.76	10			

**Table S3.** Analysis of Variance (ANOVA) for the hydrolytic activity of protease obtained in the CCRD 2<sup>2</sup>.

<b>Variation source</b>	<b>SS</b>	<b>DL</b>	<b>MS</b>	<b>F<sub>calculated</sub></b>	<b>F<sub>tabled</sub></b>
Regression	35.12	5	7.02		
Residues	1.96	5	0.39	18.15	5.05
Lack of fit	1.47	3	0.49		
Pure error	0.47	2	0.23	2.10	19.16
Total	37.31	10			