

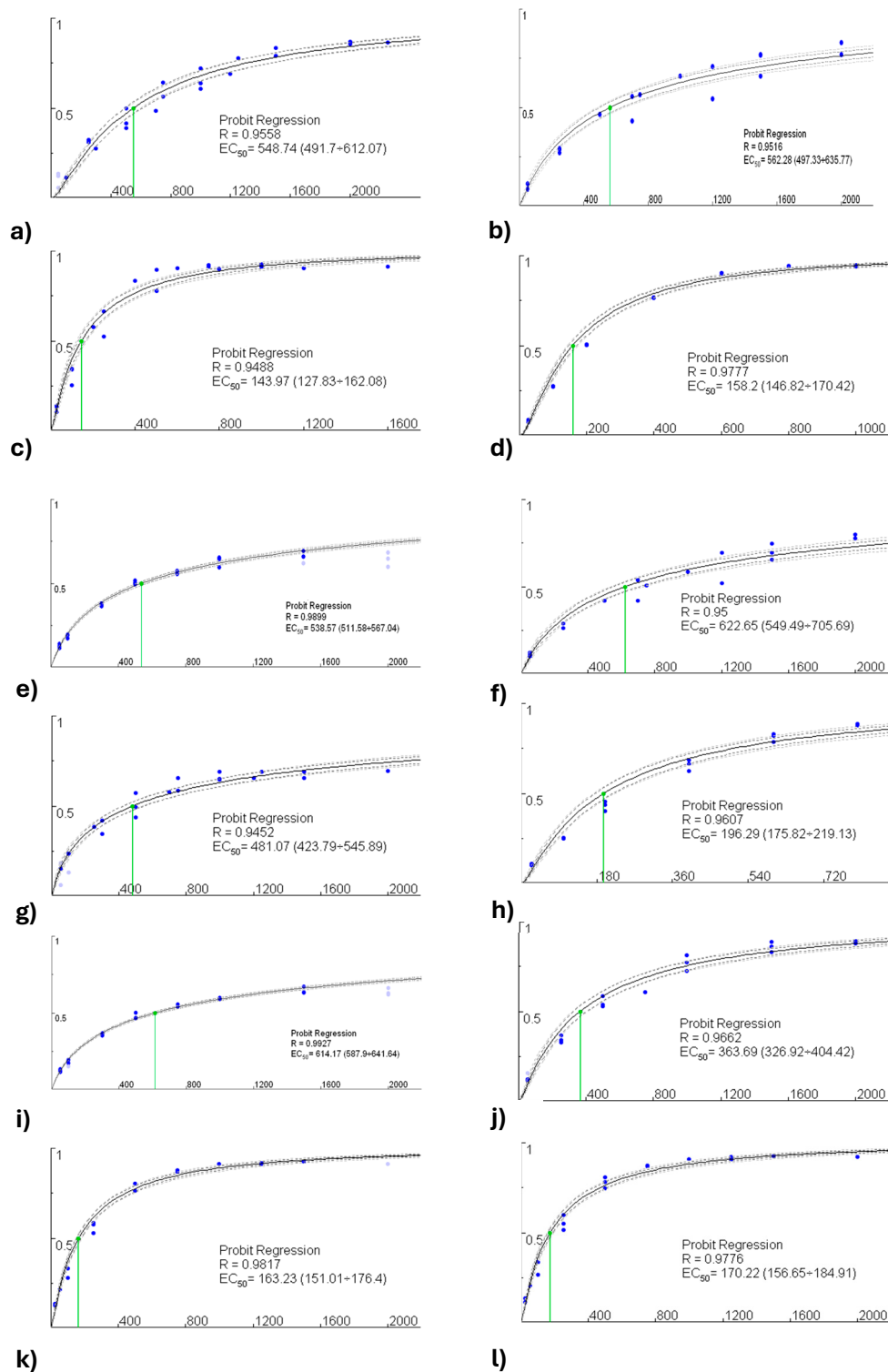
# **Improving the extraction of polyphenols from cocoa bean shells by ultrasound and microwaves: a comparative study**

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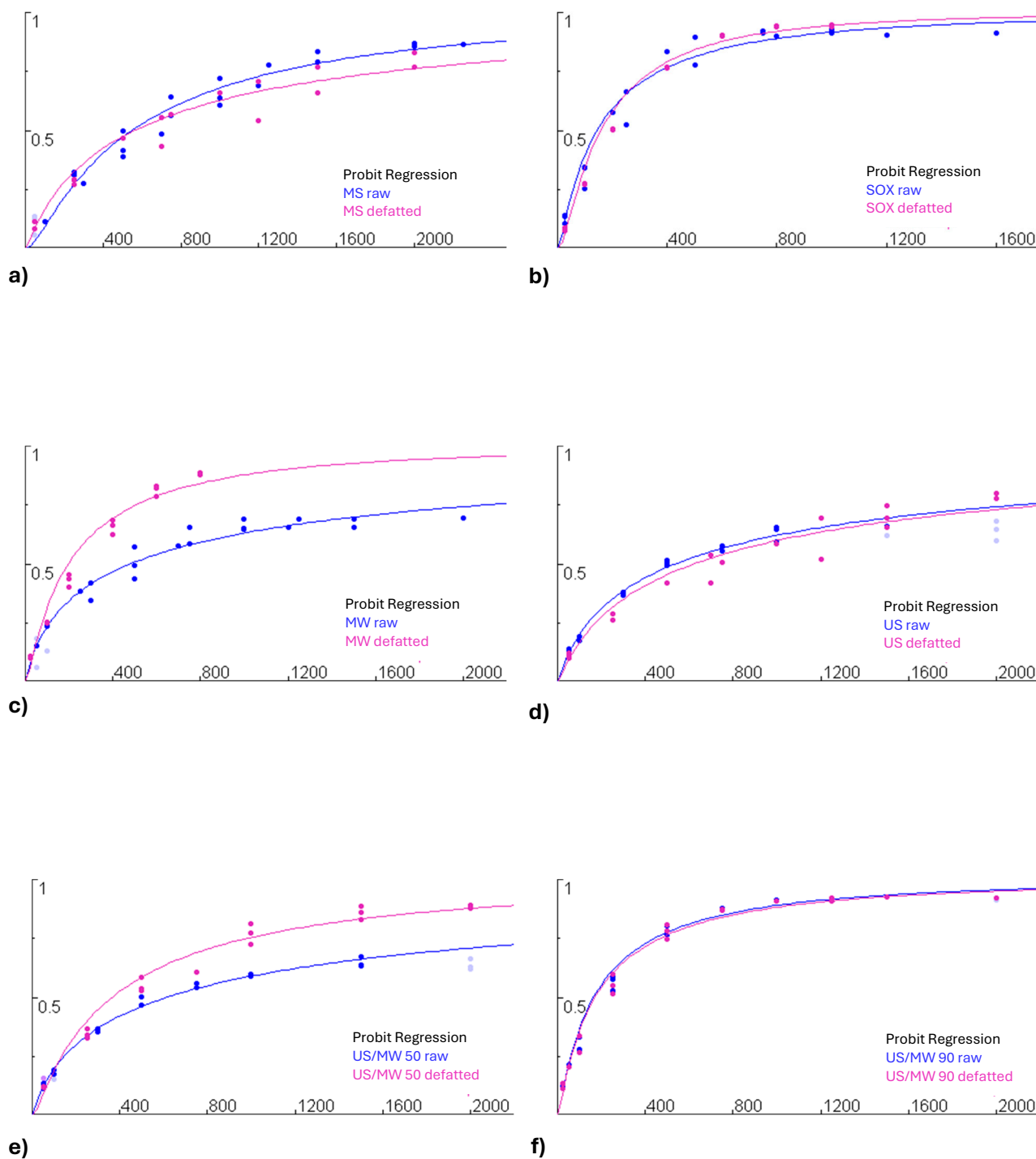
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**Figure S1. Probit regression curves for the different CBSs extracts:** a) MS Raw; b) MS Defatted; c) SOX Raw; d) SOX Defatted; e) US Raw; f) US Defatted; g) MW Raw; h) MW Defatted; i) US/MW50 Raw; j) US/MW50 Defatted; k) US/MW90 Raw; l) US/MW 90 Defatted. Linearity and EC<sub>50</sub> (µg/mL, CI 95%) are showed in each curve for each extract.



**Figure S2. Comparison between the activity curves obtained from raw and those obtained for defatted CBS; curves characterized by p-values  $< 0.05$  were considered significantly different.**

- a) Comparison of the antioxidant activity of MS Raw and MS Defatted extracts ( $p < 0.001$ );
- b) Comparison of the antioxidant activity of SOX Raw and SOX Defatted extracts ( $p < 0.05$ );
- c) Comparison of the antioxidant activity of MW Raw and MW Defatted extracts ( $p < 0.0001$ );
- d) Comparison of the antioxidant activity of US Raw and US Defatted extracts ( $p > 0.05$ );
- e) Comparison of the antioxidant activity of US/MW50 Raw and US/MW50 Defatted extracts ( $p < 0.0001$ );
- f) Antioxidant activity of US/MW90 Raw and US/MW90 Defatted extracts ( $p > 0.05$ ).