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Performance enhancement of ultrafiltration in apple juice clarification via low-pressure oxygen plasma: A comparative evaluation versus pre-flocculation treatment

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PERFORMANCE ENHANCEMENT OF ULTRAFILTRATION IN APPLE JUICE 1 CLARIFICATION VIA LOW-PRESSURE OXYGEN PLASMA: A COMPARATIVE 2 EVALUATION VERSUS PRE-FLOCCULATION TREATMENT 3 Running Title: an effective approach for clarification of raw apple juice 4 ${\bf Haci~Ali~GULEC}^*, {\bf Pelin~ONSEKIZOGLU~BAGCI}, {\bf Ufuk~BAGCI}$ 5 6 Trakya University, Engineering Faculty, Department of Food Engineering, 22180 Edirne, 7 Turkey 8 9 10 11 12 13 14 *Corresponding author: 15 Hacı Ali GULEC, Ph.D. 16 Trakya University, Faculty of Engineering Department of Food Engineering 17 Edirne Turkey 18 Tel.: +90(284)2261218/1316, Fax:+90(284)2261225 19

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