

## SUPPLEMENTARY MATERIAL

**Table S1.** Temperature variation in the UAE from BRP.

<b>t (min)</b>	<b>A (%)</b>	<b>ΔT (°C)</b>
2	20	34.5 ± 0.7
2	60	43.5 ± 2.1
2	100	52.0 ± 0.0
4	20	37.5 ± 0.7
4	60	51.5 ± 3.5
4	100	67.5 ± 0.7
6	20	39.0 ± 0.0
6	60	61.5 ± 0.7
6	100	80.0 ± 0.0
8	20	42.5 ± 3.5
8	60	65.0 ± 2.8
10	20	45.5 ± 0.7
10	60	70.0 ± 0.0

A: ultrasonic amplitude; ΔT: temperature variation.

**Table S2.** Energy variation in the UAE from BRP.

<b>A (%)</b>	<b>Energy (Wh)</b>									
	<b>Extraction time (min)</b>									
	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>	<b>8</b>	<b>9</b>	<b>10</b>
<b>20</b>	0.423	0.843								
<b>60</b>	1.425	2.741								
<b>100</b>	2.402	4.605								
<b>20</b>	0.416	0.832	1.254	1.658						
<b>60</b>	1.417	2.738	3.933	5.011						
<b>100</b>	2.378	4.576	6.531	8.210						
<b>20</b>	0.416	0.852	1.244	1.663	2.075	2.491				
<b>60</b>	1.433	2.739	3.891	4.941	5.895	6.814				
<b>100</b>	2.339	4.488	6.376	7.849	9.131	10.399				
<b>20</b>	0.412	0.830	1.246	1.656	2.065	2.473	2.881	3.290		
<b>60</b>	1.378	2.651	3.827	4.889	5.815	6.685	7.545	8.292		
<b>20</b>	0.420	0.836	1.248	1.658	2.068	2.477	2.836	3.304	3.693	4.097
<b>60</b>	1.429	2.717	3.935	5.042	6.030	6.862	7.790	8.632	9.474	10.267