

## Supplementary Files

**Supplementary Table 1.** Distribution of C intensity of  $^{13}\text{C}$  NMR (%) of *Chlorella vulgaris* (CVextr) and *Scenedesmus quadricauda* (SQextr) extracts (Barone et al., 2018).

	Alkyl 0-45 ppm	N and O alkyl 45-95 ppm	Aromatic 95-160 ppm	Carboxyl 160-195 ppm	HB/HI <sup>1</sup>
CVextr	63.39	4.75	22.5	9.37	6.1
SQextr	55.23	16.25	24.09	4.42	3.8

<sup>1</sup>Hydrophobicity index was calculated as follows:  $\text{HB/HI} = [(0 - 45) + (95 - 160)] / [(45 - 95) + (160 - 195)]$ .

**Supplementary Table 2.** Element composition (%) of *Chlorella vulgaris* (CVextr) and *Scenedesmus quadricauda* (SQextr) extracts (Barone et al., 2018).

	C	N	P	S	Mg	Ca	Fe	K	Na
CVextr	62.2	1.37	0.24	0.37	0.51	0.05	0.01	0.52	3.87
SQextr	62.8	1.17	0.36	0.41	0.53	0.15	0.01	0.35	2.42