Supplementary Files

Supplementary Table 1. Distribution of C intensity of 13C 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/HI¹ |
|---------|----------------|-------------------------|---------------------|----------------------|--------|
| CVextr  | 63.39          | 4.75                    | 22.5                | 9.37                 | 6.1    |
| SQextr  | 55.23          | 16.25                   | 24.09               | 4.42                 | 3.8    |

¹ Hydrophobicity index was calculated as follows: 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|