

## Supplementary File

*Article*

### Chemical and Nutritional Profiling of the Seaweed *Dictyota dichotoma* and Evaluation of Its Antioxidant, Antimicrobial and Hypoglycemic Potentials

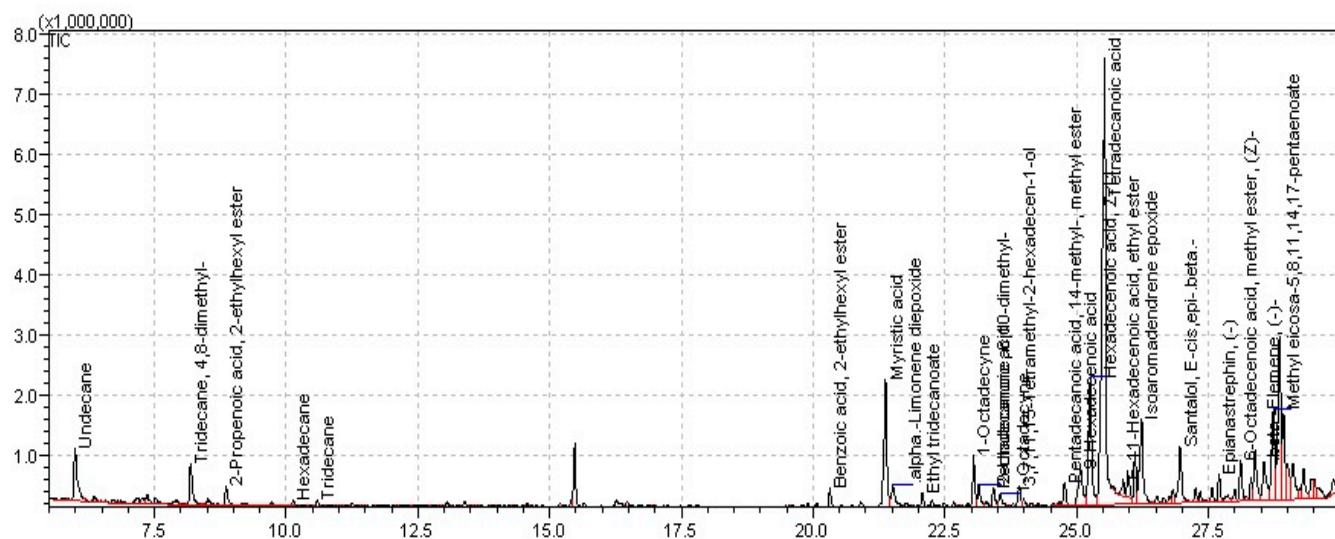


Figure S1. GC-MS spectrum of ethyl acetate extract of *D. dichotoma*.

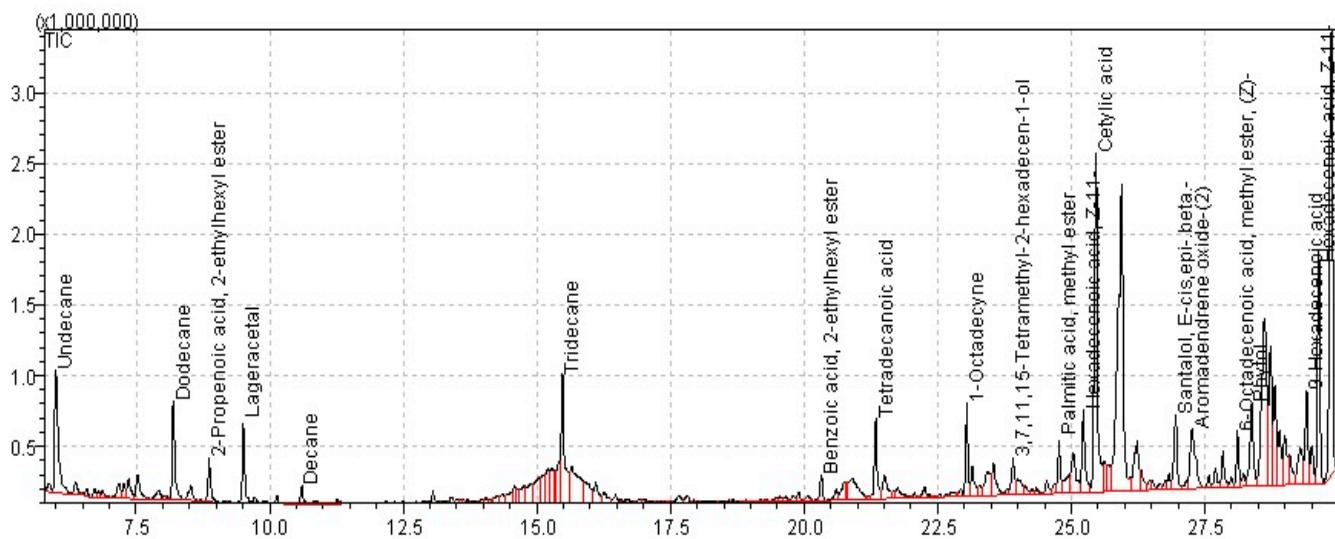


Figure S2. GC-MS spectrum of *n*-butanol extract of *D. dichotoma*.

**Table S1.** Antimicrobial activity of *D. dichotoma* extracts.

Extracts	Dose mg/ml	Inhibition zone diameter (mm)				
		<i>E. coli</i>	<i>P. aeruginosa</i>	<i>S. aureus</i>	<i>B. subtilis</i>	<i>C. albicans</i>
Azithromycin, amphotericin	Control	36.33±0.58	38.00±1.00	32.67±1.53	27.67±1.53	23.00±1.00
	100mg/ml	16.33±1.53 <sup>c</sup>	13.33±0.58 <sup>c</sup>	15.33±0.58 <sup>c</sup>	14.00±1.00 <sup>c</sup>	12.67±2.08 <sup>a</sup>
Ethyl acetate	50mg/ml	15.00±1.00 <sup>c</sup>	9.00±7.81 <sup>c</sup>	14.00±1.00 <sup>c</sup>	12.67±0.58 <sup>c</sup>	11.67±0.58 <sup>a</sup>
	25mg/ml	14.00±1.00 <sup>c</sup>	8.33±7.23 <sup>c</sup>	13.67±1.53 <sup>c</sup>	12.67±0.58 <sup>c</sup>	10.67±0.58 <sup>a</sup>
	12.5mg/ml	14.00±1.00 <sup>c</sup>	7.67±6.66 <sup>c</sup>	13.33±1.53 <sup>c</sup>	8.33±7.23 <sup>c</sup>	7.00±6.08 <sup>a</sup>
	100mg/ml	16.00±1.73 <sup>c</sup>	15.00±0.00 <sup>c</sup>	12.00±0.00 <sup>c</sup>	15.33±1.53 <sup>c</sup>	17.33±2.08 <sup>b</sup>
<i>n</i> -butanol	50mg/ml	15.67±1.15 <sup>c</sup>	13.33±0.58 <sup>c</sup>	10.67±0.58 <sup>c</sup>	13.67±1.15 <sup>c</sup>	16.33±2.52 <sup>b</sup>
	25mg/ml	14.67±1.53 <sup>c</sup>	9.00±7.81 <sup>c</sup>	07.33±6.35 <sup>c</sup>	13.33±0.58 <sup>c</sup>	15.33±2.52 <sup>c</sup>
	12.5mg/ml	13.67±0.58 <sup>c</sup>	0.00±0.00 <sup>c</sup>	6.33±5.51 <sup>c</sup>	12.33±0.58 <sup>c</sup>	15.00±3.00 <sup>c</sup>

a) significantly different at  $\alpha < 0.001$ , 0.01 and 0.05; b) significantly different at  $\alpha < 0.01$ ; c) significantly different at  $\alpha < 0.05$ . Each value was recorded as mean and standard deviation from 3 replicates.