

Table 2 Antimicrobial activity of methanol (MeOH) extract of 22 species of sponges collected from Gulf of Mannar region

Sponge	Specimen No	Inhibition zone diameter (mm) for different microorganisms							
		<i>Escherichia coli</i> (NCIM 2065)	<i>Salmonella abony</i> (NCIM 2257)	<i>Pseudomonas aeruginosa</i> (NCIM 5031)	<i>Bacillus subtilis</i> (NCIM 2063)	<i>Staphylococcus aureus</i> (NCIM 2079)	<i>Candida albicans</i> (NCIM 3102)	<i>Saccharomyces cerevisiae</i> (NCIM 3054)	<i>Aspergillus niger</i> (NCIM 501)
<i>Heteronema erecta</i>	TCN-1	10.66±0.66	13.00±0.57	13.00±0.57	14.33±0.33	12.33±0.33	12.33±0.33	0.00±0.00	11.00±0.57
<i>Callyspongia diffusa</i>	TCN-2	13.33±0.33	15.66±0.88	14.00±0.57	12.00±0.00	14.66±0.66	11.00±0.57	8.66±0.33	10.00±0.00
<i>Spirastrella inconstans</i> var. <i>digitata</i>	TCN-3	15.66±0.33	16.33±0.33	15.66±0.33	13.66±0.33	19.00±0.57	13.33±0.88	11.00±0.57	11.00±0.57
<i>Spirastrella vagabunda</i>	TCN-4	13.00±0.57	10.66±0.66	12.33±0.33	12.00±0.00	14.00±0.57	11.33±0.66	0.00±0.00	9.33±1.33
<i>Sigmadocia carnosa</i>	TCN-5	9.66±0.33	12.33±0.33	11.66±0.33	12.66±0.33	10.33±0.33	11.00±0.57	0.00±0.00	0.00±0.00
<i>Spongia officinalis</i>	TCN-6	11.66±0.33	13.00±0.57	13.00±0.57	11.00±0.57	10.33±0.33	10.33±0.33	0.00±0.00	0.00±0.00
<i>Hyattella cribriformis</i>	TCN-7	7.66±0.33	10.33±0.33	8.00±0.00	11.00±0.57	10.00±1.15	11.00±1.00	0.00±0.00	9.33±0.33
<i>Aurora globostellata</i>	TCN-8	13.00±0.57	12.00±0.57	13.33±0.66	10.66±0.66	12.66±0.66	10.33±0.33	8.66±0.33	8.33±0.33
<i>Callyspongia fibrosa</i>	TCN-9	8.00±0.00	11.66±0.88	9.00±0.57	12.66±0.66	9.66±0.33	8.00±0.00	0.00±0.00	0.00±0.00
<i>Spirastrella inconstans</i> var. <i>moeandrina</i>	TCN-10	12.00±0.57	12.66±0.66	12.33±0.33	10.33±0.33	11.66±0.33	10.33±0.33	0.00±0.00	10.33±0.33
<i>Spongia sp.</i>	TCN-11	7.66±0.33	11.00±0.57	9.33±0.33	8.66±0.66	8.66±0.66	8.33±0.88	9.00±0.57	10.33±0.33
<i>Spirastrella inconstans</i> var. <i>globosa</i>	RSM-13	14.00±0.57	17.00±0.57	14.33±0.33	13.66±0.66	14.00±0.57	14.33±0.33	11.00±0.57	11.66±0.33