

Table 1 Antimicrobial activity of ethyl acetate (EtoAc) 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	13.00±0.57	10.33±0.33	15.00±0.57	13.66±0.33	14.00±0.57	10.66±0.66	0.00±0.00	10.33±0.33
<i>Callyspongia diffusa</i>	TCN-2	15.00±0.57	14.66±0.33	12.00±0.00	13.00±0.57	14.66±0.88	8.66±0.66	8.66±0.66	10.33±0.33
<i>Spirastrella inconstans</i> var. <i>digitata</i>	TCN-3	19.66±0.33	21.00±0.57	19.66±0.33	18.00±0.57	20.00±0.57	13.66±0.33	12.33±0.33	14.33±0.33
<i>Spirastrella vagabunda</i>	TCN-4	15.00±0.57	12.66±0.66	16.33±0.33	12.00±0.57	17.00±0.57	13.00±0.57	0.00±0.00	9.00±0.57
<i>Sigmadocia carnososa</i>	TCN-5	10.66±0.66	14.66±0.66	13.33±0.33	12.66±0.66	12.33±0.33	10.00±0.00	9.66±0.88	0.00±0.00
<i>Spongia officinalis</i>	TCN-6	13.00±0.57	15.66±0.33	16.00±0.57	14.33±0.33	12.33±0.33	12.00±0.00	8.66±0.33	0.00±0.00
<i>Hyattella cribriformis</i>	TCN-7	9.33±0.66	12.33±0.33	10.33±0.33	12.00±0.57	11.33±0.33	10.66±0.66	0.00±0.00	8.33±0.33
<i>Aurora globostellata</i>	TCN-8	15.33±0.33	13.33±0.66	11.66±0.33	11.66±0.33	15.33±0.66	12.66±0.66	9.00±0.57	10.00±0.57
<i>Callyspongia fibrosa</i>	TCN-9	7.66±0.33	12.00±0.57	10.33±0.33	14.00±0.57	13.00±0.57	8.33±0.33	0.00±0.00	0.00±0.00
<i>Spirastrella inconstans</i> var. <i>moeandrina</i>	TCN-10	15.33±0.66	14.00±0.57	12.33±1.20	12.33±0.33	14.00±0.57	11.33±0.66	10.33±0.33	11.66±0.88
<i>Spongia sp.</i>	TCN-11	9.33±0.33	13.00±0.57	10.33±0.33	11.00±0.57	11.00±1.00	10.33±0.88	0.00±0.00	9.33±0.33
<i>Spirastrella inconstans</i> var. <i>globosa</i>	RSM-13	16.66±0.88	19.66±0.88	15.00±0.57	17.33±0.66	17.00±0.57	15.00±0.57	11.00±0.57	13.66±0.33