

E	TSASRA003		TSASRA026		
	Element	% Element	% Atomic	% Element	% Atomic
	C	12.58	20.43	34.64	47.21
	O	46.58	56.82	41.56	42.53
	Na	3.32	2.81	0.13	0.09
	<b>As</b>	<b>15.83</b>	<b>4.12</b>	<b>12.61</b>	<b>2.76</b>
	<b>Mg</b>	<b>15.63</b>	<b>12.54</b>	<b>11.34</b>	<b>7.64</b>
	Cl	5.34	2.94	0.26	0.12
	K	0.16	0.08	0.23	0.1
	Ca	0.72	0.35	0.37	0.15

**FIGURE 3 | *Theonella swinhoei* isolated bacteria precipitating arsenic salt.** All SEM images were taken at 10 Ev and element analysis conducted at 20 Ev. EDX analysis results are presented as %Element showing the relative mass of the element, and %Atomic showing the relative amount of the element. **(A)** TSASRA003- Bacteria at border of the colony (red arrow)

with needle-like crystals (yellow arrow). **(B)** TSASRA026- Bacteria at border of the colony (red arrow) with needle-like crystals (yellow arrow). **(C)** Needle-like crystals. **(D)** Secondary crystal (hexagonal), surrounded by Needle-like crystals. **(E)** EDX analysis showing elevated As and Mg in both bacteria.