

Marine sponges as bioindicator species of environmental stress at Uran (Navi Mumbai)

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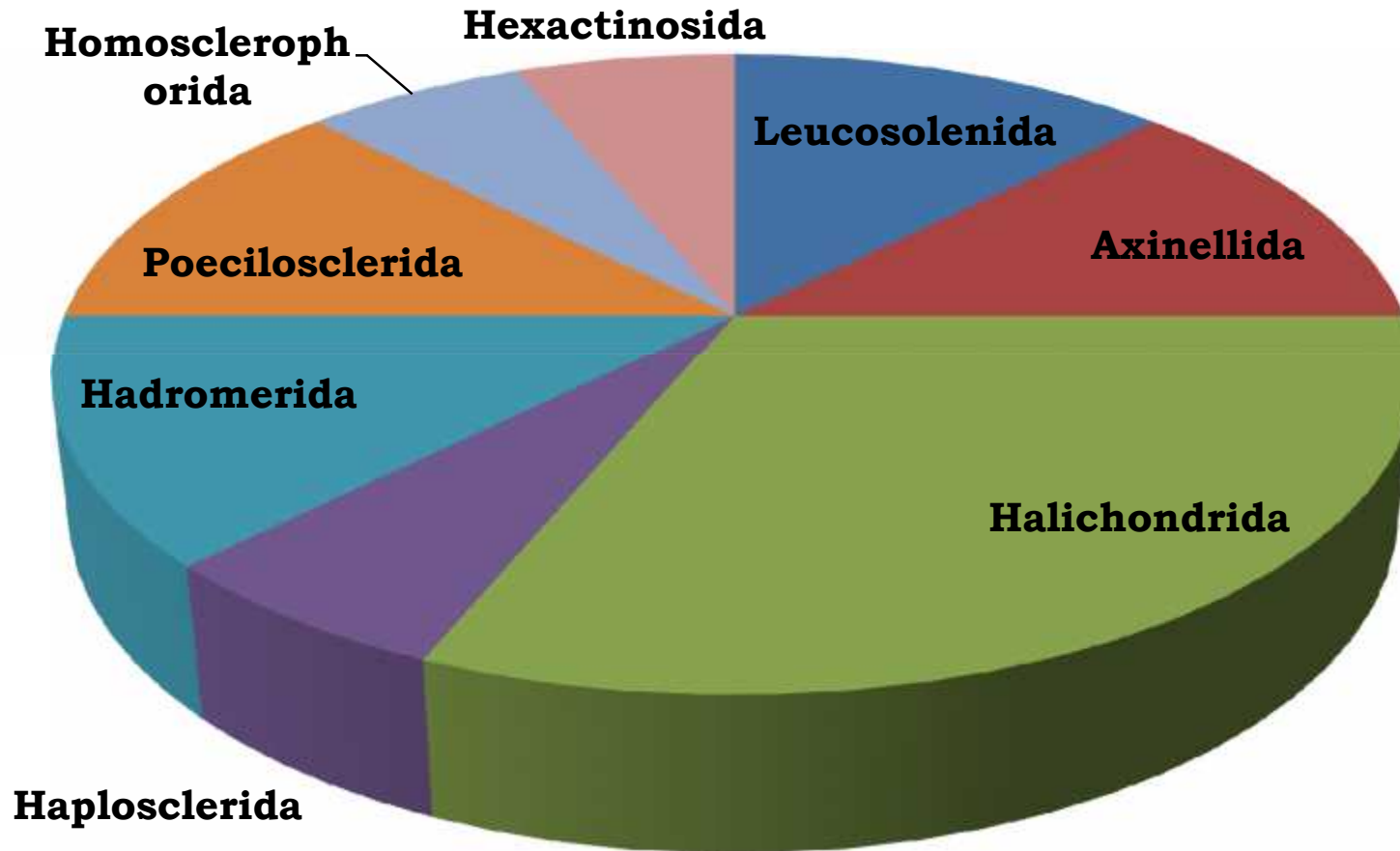
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Marine sponges as bioindicator species

Percentage distribution of sponge species in different orders at Uran, Navi Mumbai



Marine sponges as bioindicator species

Class	Order	Family	Scientific Name
Calcarea	Leucosolenida	Leucosoleniidae	<i>Leucosolenia complicate</i> (Montagu, 1818)
			<i>Leucosolenia variabilis</i> (Haeckel, 1870)
Demospongiae	Axinellida	Axinellidae	<i>Axinella damicornis</i> (Esper, 1794)
			<i>Axinella verrucosa</i> (Esper, 1794)
	Halichondrida	Halichondriidae	<i>Axinyssa ambrosia</i> (de Laubenfels, 1936)
			<i>Halichondria bowerbanki</i> (Burton, 1930)
			<i>Halichondria panacea</i> (Pallas, 1766)
			<i>Hymeniacidon heliophila</i> (Parker, 1910)
			<i>Hymeniacidon perleve</i> (Montagu, 1814)
			<i>Haliclona permollis</i> (Bowerbank, 1866)
			<i>Paratimea constellate</i> (Topsent, 1893)
	Hadromerida	Hemiasterellidae	<i>Protosuberitis epiphytum</i> (Lamarck, 1815)
		Suberitidae	<i>Kirkpatrickia borealis</i> (Koltun, 1970)
			<i>Clathria parthena</i> (de Laubenfels, 1930)
			<i>Plakina monolopha</i> (Schulze, 1880)
			<i>Aphrocallistes Beatrix</i> (Gray, 1858)

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Leucosolenia complicata



Leucosolenia variabilis



Axinella damicornis



Axinella verrucosa



Axinyssa ambrosia



Halichondria bowerbanki

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Halichondria panicea



Hymeniacidon heliophila



Hymeniacidon perleve



Aphrocallistes beatrix



Paratimea constellata



Prosuberites epiphytum

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Kirkpatrickia borealis



Clathria (Microciona) parthena



Plakina monolopha



Haliclona permollis

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Thank You!!

