Morphological and Physiological Adaptation of *Synedrella nodiflora* (L.) Gaertn. in Various Altitudes

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Abstract	Nodeweed (Synedrella nodiflora (L.) Gaertn.) is a widely distributed tropical plant species. Nevertheless, it has taxonomically been the only member of genus Synedrella. Hence, it is interesting to study the morphological and physiological adaptation in different altitudes. Three altitudes were selected in this study, i.e. 0, 130, and 820 m above sea level (asl). The parameters examined included number of stomata and trichomes per leaf area unit, size of glandular and non-glandular trichomes, size of peripheral and central seeds, number of peripheral and central seeds. It was found that seed number and length, leaf structure, chlorophyll content show differences among altitudes. S. nodiflora from 0 m asl show lowest central seed number and length, non glandular trichomes number, but highest non-glandular trichomes length and chlorophyll a and carotene contents.
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