Photosynthesis Monitoring in Aquatic Lirium (Eichhornia Crassipes) by Means of Photoacoustic Technique

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The water hyacinth has become overgrown in a variety of water bodies in the tropical and sub-tropical regions of the world, with consequences extremely unfavorable for the environment, as well as for the human activities that are developed in these bodies of water. The elaboration and establishment of methodologies for the control of this plant require of the knowledge of their mechanisms of survival, in which the monitoring of photosynthesis evolution have a fundamental role. We report a study of the oxygen evolution and storage energy in aquatic lirium (Eichhornia Crassipes) by means of photoacoustic technique in order to investigate the external and internal factors that affect the photosynthetic process in this aquatic plant.