

PROCESSING OF SATELLITE IMAGES FOR EDUCATIONAL PURPOSES IN THE  
APPROACH OF THE DEFORESTATION FOREST ATLANTIC IN THE STATE OF BAHIA  
BETWEEN 2008 AND 2011

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ABSTRACT

The Atlantic Forest is considered internationally as one of the most important areas of the planet in terms of biodiversity and one of the most critical areas related to the degree of threat to this biodiversity. In recent years the state of Bahia has drawn attention as one of the Brazilian states that has one of the highest rates of deforestation according to INPE. Areas of study were the following counties of the State of Bahia: Andaraí, Valença, Mundo Novo and Encruzilhada, chosen because they are the areas that suffered most deforestation in the period 2008 -2011. The objective of this research was to propose a method for the teachers of the Basic Education power sue and use satellite images as a teaching tool to work the issue of preservation of the Atlantic Forest in the classroom. We used satellite images from Landsat 5-TM for the study of deforested areas in the period 2008 to 2011. Was prepared a tutorial on how to do the processing of digital images from the program *EduSpring*® - free software - so the teacher get a better cut and highlight the areas studied, in order to facilitate the identification and extraction of information contained in satellite images. It is hoped that from this tutorial the basic education teachers can use this educational tool to seek for other areas and devise other content with satellite images as teaching material in classroom.

Keywords: Material Didactic, Environmental Preservation and Digital Processing the Image.