

Within the frame of the project "Conservation and Sustainable Management of Below Ground Biodiversity" funded by the GEF, supported by the United Nations Environmental Programme (UNEP) and executed by the TSBF-CIAT and the Instituto de Ecología A. C. with the participation of 45 persons (specialists and students) and 12 institutions of Mexico, Inventories of 8 groups of soil organisms were carried out in La sierra de Santa Marta in Los Tuxtlas; from microorganisms to macrofauna: the rhizobial bacteria, the root pathogenic (RPF) and arbuscular mycorrhizal (AMF) fungi, the nematodes, and the macrofauna (size $\geq 2\text{mm}$) globally and particularly the ants, beetles and earthworms. The chapters of this book present: the detailed description of the benchmark site where the samples were collected and their socio-economic condition, the methodologies used for field sampling and extraction of the organisms, the identification and taxonomic classification, the analysis of the abundance and diversity of the 8 groups.

En el marco del proyecto "Conservación y Manejo Sostenible de la Biodiversidad Bajo el Suelo" financiado por el GEF, implementado por el PNUMA y ejecutado por el TSBF-CIAT y el Instituto de Ecología A. C., con la participación de 45 personas (especialistas y estudiantes) y de 12 instituciones de México, se efectuó el inventario de 8 grupos de organismos del suelo, en la sierra de Santa Marta, en Los Tuxtlas, Veracruz, de organismos microscópicos tales como bacterias fijadoras de nitrógeno, hongos patógenos de la raíz (HFR) y hongos micorrizicos arbusculares (HMA), nematodos y de la macrofauna ($\geq 2\text{mm}$) de manera general y particularmente las hormigas, escarabajos y lombrices. En los capítulos de este libro se presenta: la descripción en detalle del sitio de referencia y sus condiciones socioeconómicas, la metodología de muestreo en campo y de extracción de los organismos, la identificación taxonómica y el análisis de la abundancia y diversidad de los 8 grupos.



Below-Ground Biodiversity in Sierra de Santa Marta, Los Tuxtlas, Veracruz, Mexico

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CSM-BGBD, Report Nr. 09-01

Edited by:
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