

***RESUMEN***

Se utilizaron especies de hongos Aphyllophorales no poroides citados de México para conocer y probar las cualidades de los programas que integran el sistema DELTA® (CONFOR, KEY, INTKEY, DIST).

Se hizo la revisión de literatura sobre reportes de Aphyllophorales no poroides de México; Se consultaron las colecciones CFNL, ENCB, IBUG, MEXU, XAL creando una base de datos de los Aphyllophorales no poroides depositados en los herbarios mencionados

Se crearon los archivos necesarios para el uso de los programas del sistema DELTA. Se realizaron codificaciones de 109 Taxa, empleando para ello 83 características macroscópicas y microscópicas, (44 de multiestado desordenado, 6 de multiestado ordenado, 11 de texto, 19 de números reales, 2 de número entero y 1 correspondiente a imágenes).

Se obtuvieron descripciones taxonómicas en formatos TXT, RTF, HTML de los 109 taxa analizados, empleando para ello el programa CONFOR. Se generaron claves de tipo tabular y dicotómicas en formatos TXT, RTF y HTML empleando el programa KEY.

Por medio del programa INTKEY se creó una clave interactiva.

Se anexa un disco compacto (CD) donde se incluyen de forma completa tanto claves como descripciones en los formatos RTF, HTML, además de la clave interactiva.

Con el programa DIST se generó una matriz de distancias entre los 109 taxa estudiados.

Se destacan las cualidades de los programas utilizados.

## ***ABSTRACT***

109 species of non poroids Aphyllophorales reported from Mexico were studied using DELTA system, which includes the programs: CONFOR, KEY, INTKEY, and DIST.

A bibliographic research about the species of non poroid Aphyllophorales cited from Mexico was made. Collections of non poroid Aphyllophorales deposited in the herbaria: CFNL, ENCB, IBUG, MEXU, and XAL were revised and accessed in an electronic database.

The required files to run with the programs of DELTA system were created. 109 taxa were codified using 83 macroscopic and microscopic characteristics. (44 unordered multi-state, 6 ordered multi-state, 11 text, 19 real numeric, 2 integer numeric, and one for images).

Taxonomical descriptions of the 109 studied taxa in formats TXT, RTF, and HTML using program CONFOR were created. Tabular and dicotomic keys for the 109 taxa in formats TXT, RTF and HTML using program KEY were obtained .

An interactive KEY for identification of species of non poroid Aphyllophorales form Mexico was created using INTKEY program.

A distance matrix for all studied taxa was developed using program DIST.

The effectiveness for identification of non poroid Aphyllophorales from Mexico of the programs included in DELTA system is discussed.

Keys and whole descriptions for all the studied taxa in formats RTF and HTML, as well as the interactive key are included in an enclosed compact disc.