

Minutissimum Mycoflorae subsidium Sancti Thomensis Insulae

I

MYCETES

in Laboratorio Pathologiae Vegetalis
Instituti Agronomici Olisipponensis observata

AUCTORE

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PYRENIALES (Fr.) Sacc. et Trav.

SPHAERIACEAE (Fr.) Sacc.

1) *Calospora Theobromae* n. sp. [Tab. IV (I), fig. 1-3 et Tab. V (II), fig. 1-3].

Stromatibus cortice prominulis, ab initio fere semper epidermide tectis, primo solitariis, mammatiformibus, demumque confluentibus, elongatis, tuberculosisque, aterrimis; peritheciis dense constipatis, saepe uni interdumque biseriatis, subglobosis vel piriformibus, nigris, ostiolo vix papillato, 225-250 μ . crassis; ascis cylindraceo-clavatis, apice obtuse rotundatis, basi attenuatis, pedicellatis (15-18 \times 5-6 μ .), octosporis, 105-120 \times 15-21 μ .; paraphysibus numerosissimis, filiformibus; sporidiis distichis, rectis vel leniter curvulis, plus minus fusoidis, utrinque attenuatis, sub-hyalinis, 9-11 septatis, 35-45 \times 7,5-10 μ .

Hab. in cortice *Theobromae Cacao* L., Roça do Rio Ouro, !, junio, 1920.

Obs.: A *Calospora bahiensis* Spegazz. praecipue differt sporidiis minoribus, ascis semper octosporis.

2) *Melanomma Henriquesianum* Bres. et Roum., in Bres., *Contr. Fl. Myc. I. St. Th.* (*Rev. Myc.*, XIII, 68 et *Bol. Soc. Brot.*, IX, 42); Sacc.,

Syll., IX, 804; v. Fab., *Krank. Paras. Kakaob.*, 218; Almeida et S. Cam., *Pl. Ins. St. Thom.*, in *Bol. Soc. Brot.*, XXIV, 240; S. Cam. et C. Mendes, *Myc. Theobr. bac.*, 3, c. icon.

In cortice ramulorum *Theobromae Cacao* L., Roça Monte Café, !, julio, et Roça Água Izé (Praia Rei et Ponta das Palmeiras), !, aprili, 1920.

SPHAEROPSIDALES (Lév.) Lind.

SPHAERIOIDACEAE Sacc.

3) **Macrophoma Cocos** Passer. (?), in Sacc., *Syll.*, X, 199.

In fructibus *Cocoës nuciferae* L., Roça Água Izé, !, maio, 1920.

Socia *Macrophoma Palmarum* (Cke.) Berl. et Vogl.

Obs.: *Pycnidii punctiformibus, numerosis, solitariis, nigris, depressis, primo tectis demumque erumpentibus, poro rotundo pertusis, 152-230 × 90-140 μ.; sporulis oblongo-ellipsoideis, saepe irregularibus, interdum leniter arcuatis, plerumque rectis, hyalinis, granuloso-farctis, utrinque rotundatis, 20-27,5 × 7-8 μ.*

An *Phyllosticta cocophila* Passer. affini?

4) **Macrophoma Nicotianae** n. sp. [Tab. V (II), fig. 4-6].

Pycnidii globoso-depressis, solitariis vel gregariis, atris, poro pertuso, primo epidermide tectis demumque erumpentibus, 250-350 × 200-270 μ.; basidiis non visis; sporulis ovalibus subcylindraceutisve, utrinque rotundatis, hyalinis, plus minus granulosis, 20-28 × 12-15 μ.

In ramulis *Nicotianae Tabaci* L., Roça Água Izé, !, aprili, 1920.

5) **Macrophoma Palmarum** (Cke.) Berl. et Vogl., in Sacc., *Syll.*, X, 199; *Phoma Palmarum* (Cke.) Sacc., *Syll.*, III, 157.

In fructibus *Cocoës nuciferae* L., Roça Água Izé, !, maio, 1920.

Socia *Macrophoma Cocos* Passer.

6) **Phoma Nicotianae** Maubl. (?), *Bull. Soc. Myc. Fr.*, XXIII, 144, c. icon.; Sacc., *Syll.*, XXII, 883.

In fructibus *Nicotianae Tabaci* L., Roça Água Izé, !, martio, 1920.

Obs.: *Pycnidii sine pilis rigidis, semper solitariis astomisque; sporulis elongatis, utrinque obtusis, bi-guttulatis, hyalinis, 6,5-7,5 × 2,5-3 μ; basidiis numerosissimis, acicularibus, rectis vel leniter curvulis, usque 10 μ. longis.*

An *Phoma herbarum* West.?

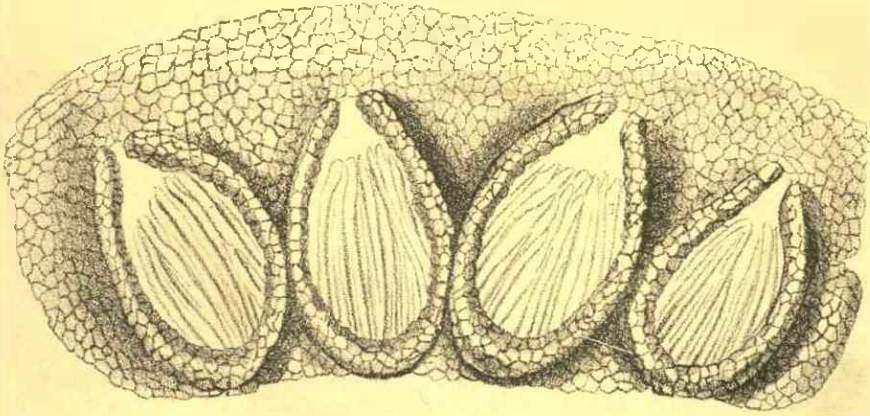


FIG. 1

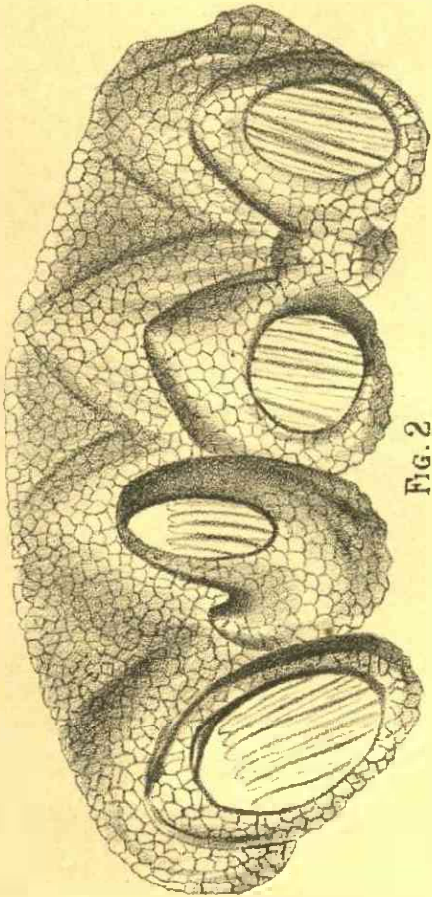


FIG. 2

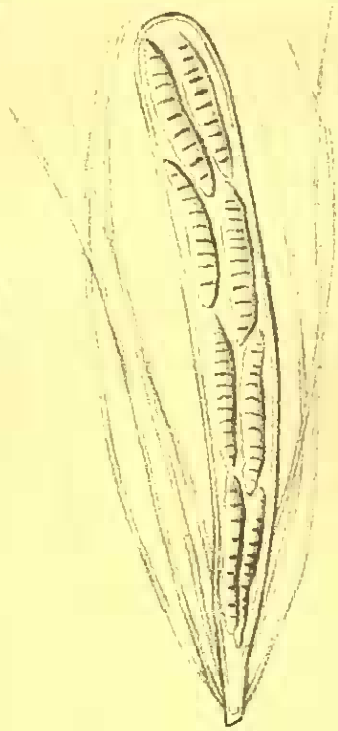


FIG. 3

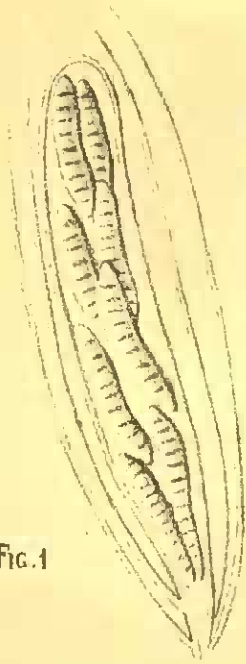


FIG. 1

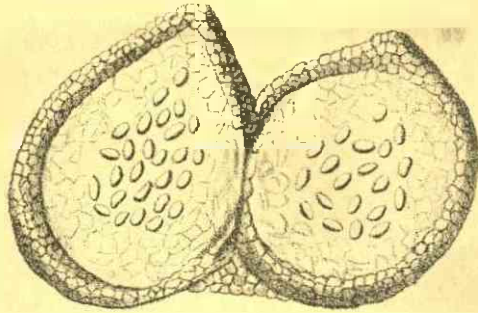


FIG. 4

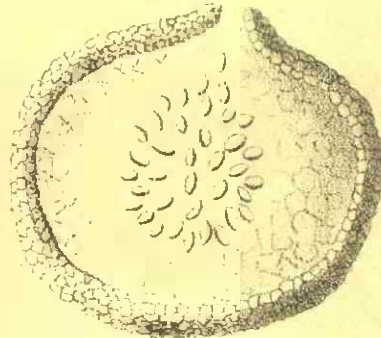


FIG. 5

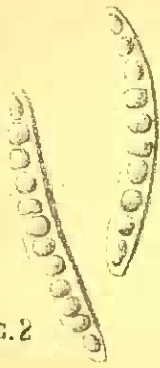


FIG. 2

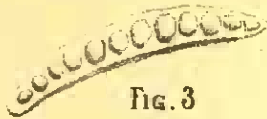


FIG. 3

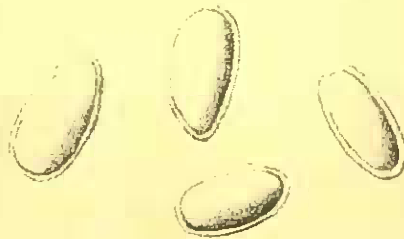


FIG. 6

7) *Diplodina corticola* Appel, in Sacc., *Syll.*, XVIII, 352; v. Fab., *Krank. Paras. Kakaob.*, 238.

S. Cam., *Myc. Azor. Afric.*, 4.

In ramulis *Theobromae Cacao* L., Roça Água Izé, !, maio, 1920.

Obs.: *Pycnidii* saepe in loculos plures partitis; *sporulis* medio contractulis, haud vel 1-septatis, $6.9 \times 3.5 \mu$., agglutinatis.

8) *Lasiodiplodia Theobromae* (Pat.) Griff. et Maubl., *Mal. Cacaoy.* (extr. *Bull. Soc. Mycol. Fr.*, XXV), 1; Maubl., *Mal. Cacaoy.*, in *Agr. Prat. Pay. Ch.*, XI, 318; *Botryodiplodia Theobromae* Pat., in Pat. et Lager., *Champ. Equat.*, ap. *Bull. Soc. Mycol. Fr.*, VIII, 136; Sacc., *Syll.*, XI, 522; *Macrophoma vestita* Prill. et Delacr., *Bull. Soc. Mycol. Fr.*, X, 165; *Diplodia cacaoicola* Henn., in Sacc. et Syd., *Syll.*, XIV, 930; *Lasiodiplodia nigra* Appel et Lamb., in Maubl., *l. c.*, IX, 321.

D. cacaoicola Henn., in Henr., *Ilh. S. Tom.*, 184; *L. Theobromae* (Pat.) Griff. et Maubl., in S. Cam. et C. Mendes, *Myc. Theobr. Cac.*, 5, c. icon.; A. Seabra, *Molest. Cac. Ilh. S. Tom.*, XVIII, 28; S. Cam., *Myc. Azor. Afric.*, 4; *B. Theobromae* Pat., *Champ. rec. S. Thom.*, 37.

In ramulis *Theobromae Cacao* L., Roça Água Izé (Ponta das Palmeiras), !, aprili, 1920.