

Excipulaceae

Sacc. L. 111, 664 (1884) - Subcupulatae

Sacc. Misch. 11, 9.

Perithecia cupuliformia v. patellata, v. excipuliformia, v. hysteroidea, initio subinde subphaeroidea, sed mox late aperta, membranacea v. carbonacea, atra, erumpentia v. superficialia, glabra v. pilosa. Sporulae variae, hyalinae v. coloratae, muticae v. ciliatae.

Conspectus synopticus generum

- A) Sporulae hyalinae, continuae (Hyalosporae)
- 1) *Perithecia glabrescentia*
 - 2) *Perithecia subcupulata*
 - 1) *Perithecia excipuliformia* seu cupulata; basidia simplicia — I. Excipula
 - 2) *Perithecia excipuliformia* seu cupulata; basidia ramosa — II. Heteropatella
 - 3) *Perithecia* initio subglobosa, clausa, dein irregulariter dehiscens et collabens — III. Dothichiza
 - 4) *Perithecia* tereti-conica v. cupulata, subcoriacea, v. cornea, atra — IV. Catinula
 - b) *Perithecia hysteroidea* v. valvatim hiantia
 - 1) *Perithecia valvatim hiantia*
 - 1) Basidia bacillaria, typice ramosa — V. Sporonema
 - 2) Basidia obsoleta, v. simplicia — VI. Pleococcum
 - 2) *Perithecia* late hysteroidea-dehiscens — VII. Psilospora
 - **.) *Perithecia pilosa* v. setosa
 - 2) Sporulae muticae — VIII. Amerosporium
 - b) Sporulae aristatae
 - 1) Sporulae utrinque 1-aristatae — IX. Dinema sporium
 - 2) Sporulae apice pluri-aristatae — X. Polynema
- B) Sporulae hyalae fuligineae, ^{continuae} ~~1-septatae~~ (Phaeosporae) — XI. Phaeodiscula
- C) Sporulae hyalinae, 1-septatae (Hyalodidymae) — XII. Discella
- D) Sporulae hyalinae 2-pluriseptatae (Hyalophragmiae) — XIII. Plidium
- E) Sporulae fuligineae 2-pluriseptatae (Phaeophragmiae) — XIV. Dichaenopsis

Gen. I. Excipula

Fr. Syst. Myc. 11, 190, 596 (1823) et Summa 403, emend. (Stym. ab excipula, ob perithecia excipuliformia).

Perithecia innato-erumpentia excipuliformia, v. cupulata, membranacea v. subcoriacea, celluloso-contexta, atra, glabra, ore integro orbiculari. Sporulae oblongae v. elongatae, continuae, hyalinae, variegatae.

1. Excipula nervissequia (Pers) Fr. Elench. 11, 147 (1828) - Sacc. L. 111, 668 - Peziza nervissequia Pers. Myc. Eur. 1, 308, n. 2012.

Exsicc. Enb. Britt. it. 11, n. 1489; Sacc. Myc. Ven. n. 526.

Bibl. 209, 653, 754, 1044, 1133, 1288.

Peritheciis sphaericis, inaequalibus, atris, astomis, demum cupulaeformibus, innatis nervo foliorum in filum nigrum demum liberatum abeunti; sporulis bacillaribus, $3\frac{1}{2} - 4 = 1\frac{1}{2}$, hyalinis, basidiis filiformibus, rectis, 40×1 , suffultis.

Hab. in foliis languidis Plantaginis lanceolatae: Veneto, Cosicana, Bazio.

Ar. distr. Eur.

Gen. 11. - Heteropatella

Zuck. Symb. App. 11. 54 (1875). (Etym. hetero diversus v. spurius et Patella)

Perithecia sessilia, ventricosa, ore contracto, laciniato, coriacea; discus concavus, carnosus, discolor. Sporulae in sporophorum ramosorum apicibus, pedicellatae, fusiformes, simplices, apice longe appendiculatae, hyalinae.

1. Heteropatella lacera Zuck. l.c. - Sacc. L. 111, 670.

Exsic. Zuck. Frhenani ed. 1, n. 2565.

Icon. Zuck. Symb. fig. 31; Allesch. F. imperf. 395, fig. a-b.

Bibl. 245, 1288.

Perithecia superficialibus, laxe gregariis sparsis, ventricosis, levibus, glaberrimis, atrofuscis, coriaceis, $\frac{1}{2}$ -1 mm. diam., ore contracto, in lacinias plerumque 6, subregulares, triangulares, patentes, parum pallidiores dehiscentibus, disco convexo-concavo, carnosus, sordido, siccis clausis; sporulis fusiformibus, curvatis, continuis, $26 \approx 4$, multiguttulatis, hyalinis, pedicellatis, apice appendiculo longo, filiformi, curvato, $26-30 \mu$ long., pedicello plerumque 16μ longo abrupte inserto; sporophoris densissime verticaliter dispositis, ramosis, apice sporulas solitarias gerentibus.

Hab. in caulis capsulisve siccis Soldanellae et Bartsiae, Spiva-Valdobbia (Tarentia).

Ar. distr. It. bor.

Gen. 111. Dothichiza

Lib. in Herb.; Noum. et Spog. Felig Lib. 1, n. 627. (Stym. a Dothidea, ad quam habitu interdum accedit).

Perithecia erumpentia, subrotunda, subcupulata, discreta, primo clausa, demum irregulariter dehiscencia. Sporulae oblongae, v. teretiusculae, continuae, hyalinae.

1. Dothichiza Torbi Lib. in Noum. et Spog. l.c. - Sacc. L. 111, 671 - Micropera Torbi Thüsm. in Hedwigia.

Bibl. 178, 1288.

Peritheciis dense gregariis, sed semper solitariis et nunquam confluentibus, sub epidermide nidulantibus, erumpentibus, applanatis, orbicularibus v. oblongis, primo clausis, demum epidermide dirumpente regulariter cinctis, hiantibusque, nigris; sporulis cylindraccis, utrinque subtruncatis, subrectis v. arcuatis, 3-4 x 1-1½, enucleatis, hyalinis.

Hab. in cortice Torbi (Aucupariae: Trentino).

Ar. diotr. Eur.

2. Dothichiza ? Eupatorii C. Mass. Contr. mic. veron. 99 (1889) - Sacc. L. X, 432.

Icon. C. Mass. l.c. tab. 111, fig. 18.

Bibl. 725, 745, 755, 1031.

Peritheciis superficialibus, effusis, saepe confluentibus, convexo-applanatis, membranaceis, nigris, primum clausis, dein rima longitudinali v. superne irregulariter erumpentibus; subdiscoideis; sporulis oblongis, utrinque rotundato-obtusis, 4-

5-1, chlorinis; basidiis crassis, 12-14 x
2-3, cylindraceis, simplicibus, lateraliter
arcte contiguis, septatis, superne ad septa
subarticulato-constrictis, apice obtusis.

Hab. in caulis emortuis Eupatorii
cannabini: Veneto.

Ar. distr. It. bor.

Gen. IV. Catinula

Deom. Ann. Sc. Nat. 1848, p. 247. (Stym. a ca-
tinus ob formam perithecii)

Perithecia globoso-ovata v. teretiuscula, mem-
branaceo-coriacea, atra, solidiuscula v. ma-
dore carnosula, apice ore lato hiantia, disco
concaviusculo, saepe laticolore. Sporulae glo-
bosae v. oblongatae, continuatae, sub-hyalinae.

1. Catinula turgida (Fr.) Deom Exs. n. 1818, 20
Bot. p. 20 (1851) - Sacc. L. 111, 673 - Gympanis
turgida (Fr.) Wallr. Fl. ex. 424 - Excipula tur-
gida Fr. L. M. 11, 189.

Exs. Deom. Pl. crypt. de Fr. n. 2168.
Bibl. 1288.

Perithecia tereti-obconicis, subinde com-
pressis, solidiusculis, gregariis, nigris, ore am-
plo apertis, nitide marginatis, contextu patu-
lele celluloso, olivaceo-fusco; disco griseo; spo-
rulis oblongo-ellipsoideis, utrinque rotunda-
tis, 18-20 $\times$ 8-9, guttatis, hyalinis v. flavidulis;
basidus teretiusculus, 16-18 $\times$ 3-4, hyalinis.

Pycnidium Cenangi Coryli Tda.

Hab. in ramis corticatis Coryli Avellanae, Italiae.

Ar. distr. Eur., Am. bor.

- f. Eliae D. Sacc. Suppl. Fl. Ven. Britt. 82 (1899).
Bibl. 1031.

Perithecia oblongato-conicis, gregariis, nigris,
superioriter apertis; contextu celluloso, oli-
vaceo-fusco; disco griseo; sporulis oblongo-
ellipsoideis, 17-20 $\times$ 6-9, hyalinis, basidiis
acicularibus, 16-18 $\times$ 3-4, hyalinis fultis.

Hab. in ramis Eliae europaeae in hort. bot.

Patavino (D. Saccardo).

Ar. distr. It. bor.

Gen. V. Sporonema

Desm. XIV Not. 182 (1847) - Clinterium Fr.
Summa, 418 (1849). (Etym. spora et nema
filum seu basidium)

Perithecia epidermide tecta, dein erumpentia,
initio clausa dein a centro versus ambitum
in lacinias plures dehiscentia. Nucleus discoi-
deus molluscus, saepe discolor. Sporulae
ovoidae v. cylindratae, hyalinae, continuatae.
Basidia filiformia, saepius ramosa.

1. Sporonema strobilinum Desm. 20 Not. 14 -
Sacc. I, 111, 678 - Phoma strobilina Sacc. Mich.
11, 97.

Exsicc. W. Sacc. Myc. it. n. 176.

Bibl. 245, 1031, 1043, 1288.

Perithecia gregariis, quandoque confluentibus,
tenuissimis, subglobosis, minutis, atis, in
lacinias epidermicas plures inaequales de-
hiscentibus; nucleis (v. disco) convexo, griseo,
subopalino; sporulis numerosis, fuscoideis,
10-15 = 2½-3, hyalinis; basidiis bacillaribus,
subduplo longioribus.

Hab. in squamis strobilorum Abietis excelsae
et pectinatae: Piemonte, Veneto.

Ar. distr. Eur.

2. Sporonema quercicolum C. Mass. Contr. Abic.
Veron. 101 (1889) - Sacc. et I, X, 434.

Icon. C. Mass. l. c. tab. 111, fig. 20.

Bibl. 725, 727, 745, 755, 1031, 1288.

Perithecia hypophyllis, orbiculatis, lenticu-
laribus, sparsis, subsuperficialibus, epider-
mide tectis, colore argillaceo, diametro vix ½

mm. superantibus, parietibus membranaceis, contextu celluloso, primum clausis, dein e centro ambitum versus in lacinias rimos~~as~~ dehiscentibus; sporulis numerosissimis, acrogenis et catenulatis, oblongis, continuis, subcurvulis, utrinque oblique acutis, navicularibusve, $5-7 \times 2$, subchlorinis; basidus tenuissimis filiformibus, continuis, 1μ crassis.

Hab. in foliis marcescentibus Quercus Ilexboris; Veneto, Tregnago. (C. Massalongo)

Ar. distr. Th. bor.

3. Sporonema Castaneae C. Mass. Contr. Mic. Veron., 101 (1889) - Sacc. L. X, 435.

Icon. C. Mass. L.c. tab. 111, fig. 21

Bibl. 725, 727, 745, 755, 1031, 1288.

Peritheciis hypophyllis, irregulariter dissimatis, subsuperficialibus, lenticularibus, $\frac{1}{2}$ v. vix 1 mm. diam. attingentibus, fusco-castaneis, subargillaceisve, intus nucleo albo farchis, parietibus submembranaceis, obscure cellulosis, primum clausis, demum e centro rimis tribus ambitum versus semel v. bis radiatim dichotomis, in lacinias plures dehiscentibus; sporulis catenulatis, fusiformibus, continuis, curvulis, utrinque acutis, $12-15 \times 2-2\frac{1}{2}$, hyalinis; basidiis simplicibus (?), $1\frac{1}{2} \mu$ crassis.

Hab. in foliis exsiccatis dejectis Castaneae vescae; Veneto, Tregnago. (C. Massalongo)

Ar. distr. Th. bor.

4. Sporonema dubium C. Mass., Contr. Mic. Veron.,
100 (1889) - Sacc. L. X, 435.

Icon. C. Mass. L.c. tab. 111, fig. 19.

Bibl. 725, 727, 745, 1031, 1288.

Peritheciis superficialibus, amphigenis, epidermide velatis, orbicularibus, lenticularibus, nitidis, astomis, (dein e centro ambitu versus dehiscentibus?), parietibus contextu subdistincte parenchymatico, nigro, dimidio usque ad 1 mm. diam., intus nucleo subalbo fectis; basidiis linearibus, simplicibus, 4 sporulis acrogenis, catenulatis, numerosissimis, oblongis, utrinque oblique acutis navicularibusve, 6-8 x 2-2 1/2, hyalinis, vix chlorinis; basidiis linearibus, simplicibus, 1 μ crassis.

Hab. in foliis emortuis dejectis Castaneae vescae: Veneto, Gregnago. (C. Massalonga)

Ar. distr. Eur.

Gen. VI. Pleococcum

Desm. et Mont. Ann. Sc. Nat. 3, XI, 53. (E-
tym. a pleon plus, et coccum)

*Perithecia erumpentia, dimidiata, tenuiter
membranacea, convexo-plana, valvatum hi-
antia; sporulae oblongae, hyalinae; basidia
simplicia.*

1. Pleococcum Holoschoeni Pass. Diagn. F. N. n.
46 (1891) - Laco. F. X, 436.

Bibl. 893, 1288.

*Perithecia erumpentibus, hysteriiformibus,
oblongatis, subdimidiatis, valvatum hianti-
bus, atris; nucleo rosello; sporulis elongato-
fusiformibus, utrinque acuminatis, integris,
12½-15 × 2½, 2-3-guttulatis, hyalinis, basidiis
filiformibus subaequantibus fultis.*

Hab. in culmis emortuis Scirpi Holoschoeni.
Emilia

Ar. distr. It. bor.

Oss. Il Passerini osserva „An forma basidio-
spora Propolis Holoschoeni cui facie similis?“

Gen. VII - Psilospora

Habenh. Herb. myc.⁵⁴⁵ et Hedw. 1, 107 (1852).
(Stym. psilos nudus et spora, h. e. sine
asco)

Perithecia innato-superficialia, dense gregaria, oblonga v. inaequalia, sub-bilabata, membranaceo-carbonacea, atra. Sporulae ellipsoideae v. oblongae, continuae, subhyalinae, basidiis bacillaribus suffultae

1. Psilospora faginea Habh. Herb. myc. 545 - Sacc. F. 111, 680 - Herb. Hysterium (Dichaena) rugosum f. Fagi Fr. Glenc. 11, 141 ex p.
Exsicc. Erb. Britt. it. 11, n. 545; Habenh. Herb. myc. 11, n. 450; Allesch. et Schnabl. F. bavar. n. 284.

Bibl. 209, 245, 864, 1288.

Peritheciis majusculis, erumpentibus, oblongis, nigris, demum in maculas rugosas effusas confluentibus; sporulis ellipsoideis, 18-20 × 14-15, saepe guttatis, hyalinis, basidiis filiformibus, 50-60 × 2, fultis.

Pyrenidium Dichaena faginea (Pers) Fr.

Hab. in cortice vegeto Fagi silvaticae: Vene-
to, Piemonte, Emilia.

Ar. distr. Eur.

2. Psilospora Quercus Habh. in Fuck. Symb. 401 - Sacc. F. 111, 680 - Dichaena quercina Fr. Syst. Veg. Scand. 402 ex p.

Exsicc. Erb. Britt. it. 11, n. 546; Fuck. F. rhena-
ni, n. 1966; Moug. Stirp. Veg. n. 205; P. Sydow,
Myc. march. n. 384.

Bibl. 209, 245, 1288.

Peritheciis primum immersio, dein erumpentibus, in maculas rotundatas, ellipticas vel irregulares 0,5-2 cm. latis aggregatis, ellipticis v. elongatis, convexis, opacis, atris, subcarbonaceis, asperis, rima longitudinali angusta, dein, labiis tumidis dimotis, dehiscentibus, circiter 1 mm. longis, $\frac{1}{3}$ - $\frac{1}{2}$ mm. crassis. Sporulis ellipsoideis 23-24 $\pm$ 17, unicellularibus, hyalinis, 1; rarius 2-guttulatis, endoplasmate granuloso; basidiis filiformibus 3 μ crassis, 10-20 μ longis, hyalinis, maturitate medio incrassatis.

Hab. ad cortice vivum lucidum Quercuum, Monte Morello pr. Florentiam (Paoli)

Mr. Distr. Eur.

Gen. VIII. Amerosporium

Speq. Farg. Aug. IV, n. 306 (1882). (Etym. a priv., meros pars, appendix, et spora, quia sporulae muticae.)

Perithecia subcupulata, superficialia, atria, setulosa. Sporulae cylindraceo-ellipticae, muticae, hyalinae.

1. Amerosporium Menispermii Pass. Diagn. F.

N. IV, 14 (1890) - Sacc. L. X, 436.

Bibl. 892, 1288.

Perithecia sparsis v. gregariis, superficialibus, siccitate subglobosis v. ovatis, madore cupulato dilatatis, atris, contextu celluloso, setis rigidis continuis, longitudine varia, fuliginosis, apice acuminato-pellucidis, obsitis; sporulis fusiformibus, curvis, utrinque acutis, muticis, continuis, 15-20 $\times$ 3-3½, hyalinis, basidiis filiformibus, fasciculatis, flavidulis, 25-32 μ long. fultis.

Hab. in ramulis siccis Menispermii canadensis, Parma (Passerini).

Ar. diotr. St. bor.

Gen. IX. Dinemaqporium

Lév. Ann. Sc. Nat. 1846, p. 274 - Polynema Tr.
et Tuck. (nec Lév.). (Etyrn. dis bis, nema fi-
lum, et spora)

Perithecia cupuliformia, superficialia, atra,
setulis fuscis rigidulis conspersa. Sporu-
lae oblongae v. allantoideae, continuae,
hyalinae, utrinque 1-aristatae. Basidia
bacillaria, rarius ramosa.

Conspcctus synopticus specierum

A) In Monocotyledoneis

1) Sporulae fuscoideo-falcatae

*) Cilia apicalia sporularum, circ. 15 μ long. ————— D. graminum

**) Cilia 4-5 μ long. ————— D. stigosum

2) Sporulae ellipticae, rectae ————— D. rhodophaeum

B) In Dicotyledoneis

1) Setulae perithecorum subseptatae ————— D. hispidulum

2) Setulae continuae

*) Perithecia exigua ————— D. decipiens

**) Perithecia $\frac{1}{3}$ - $\frac{1}{2}$ mm. diam. ————— D. Lippiae

1. Dinemaqporium graminum Lév. Ann. Sc.
Nat. 1846, p. 274 - Sacc. L. 111, 683 - Excipula
stigosa Tr. - E. stigosa De Not. - Vermicularia
graminum Lib.

Exsicc. Sacc. Myc. ven., n. 530; W. Sacc. Myc.
it. n. 1168.

Icon. Sacc. F. it. fig. 1494, b.

Bibl. 181, 209, 381, 536, 864, 1090, 1042, 1044,
1090, 1133.

Peritheciis sparsis, subcupulatis, minutis;
pilis simplicibus, atris, apice pallidioribus,
200-240 $\times$ 8-12; sporulis falcato-fusoides,
15 $\times$ 2½-3, hyalinis, utrinque setulâ 15 μ
longâ obliquâ auctis.

Hab. in culmis foliisque graminum et Ca-
ricum: Toscana, Veneto, Emilia, Piemonte,
Lazio.

Ar. distr. Eur., Am., As.

var. microsporium Scalia, F. Sic. orient. 1,
45 (1900)

Bibl. 1088.

A typo et var. strigosum Karst. differt
sporulis minoribus, 6-8 $\times$ 1½-2; setulis
5-6 μ longis.

Hab. in ramulis pubidis, Catania, Sicilia
(Scalia).

Ar. distr. Sicilia.

Pos. Affine ai D. microsporium Sacc. e D.
decipiens (De Not.) Sacc.

2. Dinema sporium strigosum (Fr.) Sacc. Michx.
11, 281 (1881), L. 111, 683 - Periza strigosa Fr.
Syst. Myc. 11, 103 - Excipula strigosa Sda, Sc.
111, 29 - E. strigosa var. hysteriiformis Fr. p.p.
E. hysteriiformis De Not. Att. Acc. Torino X, 168.
Vermicularia strigosa Lib. Crypt. Ard. n. 349.
Exsicc. Erb. Critt. it. n. 478 (sub Excipula str.
hysteriiformis); Lib. l. c.

Icon. Corda l. c. tab. V, fig. 70; Sacc. F. it. fig.
1494, c.

Bibl. 209, 536, 864, 1036, 1042, 1043, 1288.

Peritheciis sparsis, innatis sessilibus, apy-
latis, concavis; pilis simplicibus, strigosis;

disco pallido; sporulis falcato-fuscoideis, utrinque acutis, $25-30 \approx 3-4$, guttulatis, hyalinis, utrinque setula $4-5 \mu$ longâ auctis.

Hab. in foliis culmisque graminum: Veneto, Emilia, Piemonte.

Ar. distr. Eur., Am.

3. Dinemasporium rhodophaeum Speg. Mich. 1, 480 (1879) - Sacc. L. 111, 683.

Bibl. 209, 1043, 1113, 1288.

Peritheciis laxè gregariis, subparallelis, macula nulla v. subnulla insidentibus, cupuliformibus, discoideis sed ob pressionem nervorum folii subquadratis, minutis, $\frac{1}{4}-\frac{1}{3}$ mm. diam., parenchymate immersis, disco superficem non v. vix (humiditate) excedente; excipuli contextu parenchymatico, fuliginco, margine aterimo, nitente, atque pilis brevissimis, $20-40 \approx 5$, conscoloribus, 1-cellularibus, laxè ornato; disco amoenè roseo v. roseo-aurantiaco; sporulis ellipticis, rectis, $3 \approx 3$, 2-guttulatis, utrinque setulâ rigidulâ subaequilongâ, rectâ, auctis.

Hab. in foliis emortuis Phragmitis communis: Veneto.

Ar. distr. It. bor.

4. Dinemasporium hispidulum (Schrad.) Sacc. Mich. 11, 281 (1881), L. 111, 685 - Polynema hispidulum (Schrad.) Fr. Lumma, 367; Sacc. Spec. Ven., 189 - Rezia hispidula Schrad. Journ. Bot. 1799, 11, 64.

Exsicc. Sacc. Myc. ven. n. 527 et 528.

Icon. Sacc. Spec. Ven. 189, tab. XVII, fig. 16; F. it. fig. 1494, a; Allesch. F. imperf., 326, fig. a-f.

Bibl. 181, 209, 245, 430, 733, 745, 1035, 1036,

1042, 1043, 1044, 1091, 1133, 1288

Perithecius gregariis v. sparsis, cupuliformibus, majusculis, atris; pilis rigidis, longis, rectis, subseptatis; disco glaucescente; sporulis o. longato-fusoides, curvulis, $14-18 = 2, 3, 3-4$ -guttulatis, utrinque setula brevi, obliquâ, auctis.

Hab. in lignis ramisque mortuis Quercus, Castaneae, Coryli, Robiniae, Fربي, Lambuci, et in culmis Arundinis Donacis: Piemonte, Lombardia, Veneto, Toscana, Sicilia.

Ar. distr. Eur., Am. bor.

var. herbarum Cooke, Fl. Brit. 11, n. 28 - Sacc. L. 111, 685.

Bibl. 209, 1054.

Perithecius saepe paullo majoribus; sporulis $11-14 = 2\frac{1}{2}-3$, breviter ciliatis.

Hab. in caulis herbarum variorum: Veneto.

Ar. distr. Eur., Am. bor.

5. Dinemaspodium decipiens (De Not.) Sacc. Mich. 11, 282 (1881), L. 111, 685 - Excipula decipiens De Not., Att. Ac. Bor. Ser. 11, 8. X, 170. Exsicc. Exb. Britt. it. 11, n. 1490; Sacc. Myc. ven. n. 519. Icon. Sacc. It. it. fig. 1435; Allesch. Simperf. 423, fig. a-c. Bibl. 209, 245, 178, 209, ²¹⁴ 245, 546, 725, 727, 745, 1036, 1034, 1042, 1043, 1044, 1171, 1288. Perithecius gregariis, cupulatis, atris; pilis rigidulis, simplicibus, rectis, atris; sporulis fusoides-allantoides, $6-7 = 2-2\frac{1}{2}$, utrinque setula filiformi $6-7 = 1$, obliquâ auctis; basidiis (in peritheciis junioribus observandis) filiformibus, praelongis, dichotomis ramosis, subinde

simplicibus, mox evanescentibus

Hab. in lignis Cargini, Aceris, Robiniae, Castaneae, Alanthi, Quercus, Fraxini, etc. :

Piemonte, Trentino, Veneto, Litorale, Toscana

Ar. distr. Eur.

var. Citri C. Mass. Mic. nuovi Ver. n. 19 (1889).

Sacc. L. X, 438.

Bibl. 727, 745, 755.

Sporulis fuscoideis-allantoideis, $5-6 \times 2-2\frac{1}{2}$, utrinque setula 2μ long. auctis; basidiis subdichotomo-divisis, $20-25 \mu$ longis.

Hab. in ligno decorticato sicco Citri Limonium, Ereguago pr. Veronam (C. Massalongo).

Ar. distr. It. bor.

6. Dinema sporium Lippiae Fl. Cass., Att. acc.

Fisiocr. 4 ser. VIII (1896) 8 (exto.) et Rev. Myc.

(1896) 171 - Sacc. L. XIV, 1001.

Icon. Fl. Cass. Rev. Myc. 1896, t. CLXXIII, fig. 2.

Bibl. 1132, 1133, 1134.

Peritheciis dense sparsis, superficialibus, pezizoides, collabascendo depressis, atris, $\frac{1}{5}-\frac{1}{2}$ mm. diam.; pilis simplicibus $150-200 = 3-4$, nigris; sporulis elongatis, subcurvatis, $8-10 = 2-3$, eguttulatis v. raro nubilosis, hyalinis, utrinque setula filiformi, $2-4 \mu$ long. obliqua auctis, basidiis filiformibus primitus fultis.

Hab. in ramis decorticatis emortuis Lippiae citiodorae, Siena (Fl. Cassi)

Ar. distr. It. med.

Coos. Molto affine ai D. hispidulum e decipiens dai quali differisce rispettivamente per i peli dei periteci non settati e per le dimensioni maggiori dei medesimi.

Gen. X. Polynema

Lév. Ann. Sc. Nat. 1846, p. 274. (Etym. poly-
lys multus et nema filum.) - Excipula
De Not.

Perithecia cupuliformia, superficialia, atra, setis rigidulis vestita. Sporulae oblongae, continuae, hyalinae, stipitellatae, apice aristis subquaternis patentibus ornatae.

1. Polynema ornatum (De Not.) Lév. Ann. Sc. Nat. 1846, p. 274 - Sacc. L. III, 687 - Excipula ornata De Not. Att. Acc. Sor. 1845, VII, Dec. III, n. 2. Icon. De Not. L.c. fig. 1-4; Gda, Icon. tab. 78, fig. 8. Bibl. 530, 536, 983, 1288.

Peritheciis cupuliformibus, superficialibus, atris, minutis, siccis contractis, madore apertis, stigoso-hirtis; setulis confertis, flexuosis, rigidis, longiusculis, fuscis; disco cinerescente; sporulis oblongis v. oblongo-clavulatis, chlorino-hyalinis, apice aristis patentibus quaternis ornatis, basidiis ~~f~~ setiformibus suffultis, $8-10 \times 2-2\frac{1}{2}$, ciliis basidioque 5-6 μ longis.

Hab. in epidermide dealbata trunci Castaneae vescae; Liguria. (De Notaris)

Ar. distr. It. bor.

Gen. XI. Phaeodiscula

Pub. in It. Siom. Bot. it. XXIII, Ser. II, 577
(1891). (Etyim. a phaeos ater, et Discula).

Perithecia patellato-disciformia, membranacea, intus hyphis subhyalinis conglutinatissimis composita, extus atra. Sporulae ellipticae, continuae, fuligineae, basidii filiformibus simplicibus suffultae

1. Phaeodiscula Belottii Pub. in l.c. - Lacc. I
X, 439.

Bibl. 487, 1031, 1288.

Perithecia sparsis, superficialibus, primitus subclausis, demum expansis, margine inflexo, nigris, 0,6-0,8 mm. diam., basi pilis dilute fuligineis, pluriseptatis praeditis; sporulis ellipticis, 11-12 x 4-5, atro-fuligineis, basidiis 35-40 μ long., dilute fuligineis, ful-tis.

Hab. in ligno decorticato Mori albae, Bonigliano, It. bor. (L. Belotti)

Ar. distr. It. bor.

Gen. XII. Disocella

B. et Br. Ann. H. 377, n. 426, ex p. (Ety-
m. a disco ob formam perithecii)

Perithecia disciformi-patellata, saepe im-
perfecta et veluti e matrice mutatâ for-
mata, epidermide dein variè fissa deu-
velata. Sporulae fusoides v. oblongae, 1-
septatae, subhyalinae.

1. Disocella carbonacea (Fr.) B. et Br. l. c. - Sac-
F. 111, 687 - Phacidium carbonaceum Fr. L.
m. 11, 574 - Hemasporea Mougessii Delacr.

Exsicc. Rabenh., F. cur. n. 844.

Icon. B. et Br. l. c. tab. XII, fig. 8, d.

Bibl. 178, 209, 429, 430, 995, 1288.

Perithecia discoideis v. excipuliformibus, spar-
sis, epidermide initio tectis, demum eâ la-
ciniatim scissâ, erumpentibus, atris; spo-
rulis fusoides, rectis, 18-18½ 5-6, 1-septatis,
non constrictis, hyalinis v. chlorinis, basidiis
teretibus dimidio brevioribus suffultis.

Hab. in ramis corticatis Salicis capreae, albae
etc.: Veneto, Trentino, Piemonte, Emilia,
Napolemano.

Ar. distr. Eur., Am. bor.

Gen. XIII. Pilidium

Kunze, Myk. Heft 11, 32, cm. (Stym. pilidion pileolus)

Perithecia erumpentia, discoideo-scutellata, inaequalia, membranacea, atro-fuliginea, denique margine sublaciniata; disco pallidior. Sporulae oblongae v. fusoides-falcatæ, 2-pluriseptatae, hyalinae.

1. Pilidium fuliginosum (Fr. ex p.) Quersow. Hedw. 1866, p. 191 - Sacc. F. 111, 683 - Genangium fuliginosum Fr. Elench. 11, 23 ex p. - Pilidium carbonaceum (Lib.) B. et Br. Ann. N. H., n. 442. Exsicc. Tabentr. Furr. n. 338. Bibl. 246, 1288.

Peritheciis irregularibus, atro-brunneis, in plagas latas aggregatas subciculoque late effuso, ambiente, innatis; sporulis fusiformibus, curvulis, 20-25 x 4-5, 3-septatis, hyalinis.

Hab. in cortice Populi tremulae, Ziva-Valdobbia (Carestia).

Ar. distr. It. bor.

Gen. XIV. Dichaenopsis

Paoli, in App. N. Giorn. bot. it. XII, n. 1, p. 97 (1905).
(Stym. a Dichaena. et ops, facies, ob perithecia Dichaenae habitu simillima)

Perithecia typice biogena, innato-crumpentia, irregulariter elliptica, hysteriiformia, coriaceo-carbonacea, atra, rima longitudinali notata, in maculas irregulares plerumque aggregata. Sporulae oblongae, 2-pluriseptatae, fuscae.

1. Dichaenopsis ~~qua~~ Notarisii Paoli l.c., 97 -
De Not. in Erb. Britt. It. (1861) sub nomine mendoso Heterographa quercina ~~Re~~ Sacc. Myce. Ven. n. 716, sub nomine mendoso Dichaena quercina (Pers.) Fr.

Exsic. Sacc. Erb. Britt. it. c. 8; Sacc. l.c.

Icon. Paoli, l.c. fig. B, 8-9.

Bibl.

Peritheciis primum immensis, dein crumpentibus, in maculas orbiculares, ellipticas, v. irregulares 0,5-2 cm latis aggregatis, ellipticis, convexis, opacis, atris, subcarbonaceis, asperis, rima longitudinali angusta, dein, latius humidis dimotis, dehiscentibus, circiter 1 mm. longis, $\frac{1}{3}$ - $\frac{1}{2}$ mm. crassis; sporulis ellipsoideo-clongatis, 3-septatis, dilute fuliginosis, 23-25 = 8-9; basidiis brevibus, fuliginosis, crassiusculis

Hab. ad corticem vivum juvenum Quercum in Valle Intrasca, Lago Maggiore (De Notaris) e Bosco Montello, Breno (Saccardo).

Ar. Distr. It. bor.