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Nomenclatural novelties : Takayuki Aoki, David M. Geiser, Matthew T. Kasson & Kerry O'Donnell

Fusarium acutisporum (Sand.-Den. & Crous) O'Donnell, Geiser, Kasson & T. Aoki, comb. nov.

IF557667

Basionym: *Neocosmospora acutispora* Sand.-Den. & Crous, *Persoonia* 43: 108 (2019).

Fusarium amplum (Sand.-Den. & Crous) O'Donnell, Geiser, Kasson & T. Aoki, comb. nov.

IF557668

Basionym: *Neocosmospora ampla* Sand.-Den. & Crous, *Persoonia* 43: 110 (2019).

Fusarium bataticola (Sand.-Den. & Crous) O'Donnell, Geiser, Kasson & T. Aoki, comb. nov.

IF557670

Basionym: *Neocosmospora bataticola* Sand.-Den. & Crous, *Persoonia* 43: 112 (2019).

Fusarium bomiense (Z.Q. Zeng & W.Y. Zhuang) O'Donnell, Geiser, Kasson & T. Aoki, comb. nov.

IF557671

Basionym: *Neocosmospora bomiensis* Z.Q. Zeng & W.Y. Zhuang, *Phytotaxa* 319(2): 177 (2017).

Fusarium borneense (Petr.) O'Donnell, Geiser, Kasson & T. Aoki, comb. nov.

IF557672

Basionym: *Nectria borneensis* Petr., *Sydowia* 8: 20 (1954).

Fusarium breve (Sand.-Den. & Crous) O'Donnell, Geiser, Kasson & T. Aoki, comb. nov.

IF557673

Basionym: *Neocosmospora brevis* Sand.-Den. & Crous, *Persoonia* 43: 119 (2019).

Fusarium breviconum (Wollenw.) O'Donnell, Geiser, Kasson & T. Aoki, comb. nov.

IF557674

Basionym: *Hypomyces haematococcus* var. *breviconus* Wollenw., *Fusaria autographice delineata* 3: no. 828 (1930).

Fusarium catenatum (Sand.-Den. & Crous) O'Donnell, Geiser & T. Aoki, comb. nov.

IF557675

Basionym: *Neocosmospora catenata* Sand.-Den. & Crous, *Persoonia* 41: 115 (2018).

Fusarium crassum (Sand.-Den. & Crous) O'Donnell, Geiser, Kasson & T. Aoki, comb. nov.

IF557676

Basionym: *Neocosmospora crassa* Sand.-Den. & Crous, *Persoonia* 43: 122 (2019).

Fusarium croci (Guarnaccia, Sand.-Den. & Crous) O'Donnell, Geiser & T. Aoki, comb. nov.

IF557677

Basionym: *Neocosmospora croci* Guarnaccia, Sand.-Den. & Crous, *Persoonia* 40: 17 (2017).

Fusarium cryptoseptatum (Sand.-Den. & Crous) O'Donnell, Geiser, Kasson & T. Aoki, comb. nov.

IF557678

Basionym: *Neocosmospora cryptoseptata* Sand.-Den. & Crous, *Persoonia* 43: 122 (2019).

Fusarium cucurbiticola O'Donnell, Geiser, Kasson & T. Aoki, nom. nov.

IF557679

Replaced synonym: *Neocosmospora cucurbitae* Sand.-Den., L. Lombard & Crous, *Persoonia* 43: 125 (2019).

Fusarium cyanescens (G.A. de Vries, de Hoog & Bruyn) O'Donnell, Geiser & T. Aoki, comb. nov.

IF557680

Basionym: *Phialophora cyanescens* G.A. de Vries, de Hoog & Bruyn, *Antonie van Leeuwenhoek* 50(2): 150 (1984).

Fusarium diminutum (Sand.-Den. & Crous) O'Donnell, Geiser, Kasson & T. Aoki, comb. nov.

IF557681

Basionym: *Neocosmospora diminuta* Sand.-Den. & Crous, *Persoonia* 43: 127 (2019).

Fusarium ferrugineum (Sand.-Den. & Crous) O'Donnell, Geiser, Kasson & T. Aoki, comb. nov.

IF557682

Basionym: *Neocosmospora ferruginea* Sand.-Den. & Crous, *Persoonia* 43: 130 (2019).

Fusarium helgardnirenbergiae O'Donnell, Geiser, Kasson & T. Aoki, nom. nov.

IF557683

Replaced synonym: *Neocosmospora nirenbergiana* Sand.-Den. & Crous, *Persoonia* 43: 143 (2019).

Fusarium hengyangense (Z.Q. Zeng & W.Y. Zhuang) O'Donnell, Geiser, Kasson & T. Aoki, comb. nov.

IF557684

Basionym: *Neocosmospora hengyangensis* Z.Q. Zeng & W.Y. Zhuang, *Phytotaxa* 319: 179 (2017).

Fusarium hypohenemi (Sand.-Den. & Crous) O'Donnell, Geiser, Kasson & T. Aoki, comb. nov.

IF557685

Basionym: *Neocosmospora hypohenemi* Sand.-Den. & Crous, *Persoonia* 43: 132 (2019).

Fusarium kuroshium (F. Na, J.D. Carrillo & A. Eskalen ex Sand.-Den. & Crous) O'Donnell, Geiser, Kasson & T. Aoki, comb. nov.

IF557669

Basionym: *Neocosmospora kuroshio* F. Na, J.D. Carrillo & A. Eskalen ex Sand.-Den. & Crous, *Persoonia* 41: 137 (2018).

Fusarium liriodendri (Sand.-Den. & Crous) O'Donnell, Geiser, Kasson & T. Aoki, comb. nov.

IF557686

Basionym: *Neocosmospora liriodendri* Sand.-Den. & Crous, *Persoonia* 43: 139 (2019).

Fusarium macrosporum (Sand.-Den., Guarnaccia & Polizzi) O'Donnell, Geiser & T. Aoki, comb. nov.

IF557687

Basionym: *Neocosmospora macrospora* Sand.-Den., Guarnaccia & Polizzi, *Persoonia* 40: 21 (2017)..

Fusarium mori (Sand.-Den. & Crous) O'Donnell, Geiser, Kasson & T. Aoki, comb. nov.

IF557688

Basionym: *Neocosmospora mori* Sand.-Den. & Crous, *Persoonia* 43: 143 (2019).

Fusarium ngaiotongaense O'Donnell, Geiser, Kasson & T. Aoki, nom. nov.

IF557689

Replaced synonym: *Neocosmospora longissima* Sand.-Den. & Crous, *Persoonia* 43: 141 (2019).

Fusarium noneumartii (Sand.-Den. & Crous) O'Donnell, Geiser, Kasson & T. Aoki, comb. nov.

IF557690

Basionym: *Neocosmospora noneumartii* Sand.-Den. & Crous, *Persoonia* 43: 145 (2019).

Fusarium oblongum (Sand.-Den. & Crous) O'Donnell, Geiser, Kasson & T. Aoki, comb. nov.

IF557691

Basionym: *Neocosmospora oblonga* Sand.-Den. & Crous, *Persoonia* 43: 148 (2019).

Fusarium ornamentatum (M.A.F. Barbosa) O'Donnell, Geiser & T. Aoki, comb. nov.

IF557692

Basionym: *Neocosmospora ornamentata* M.A.F. Barbosa, Garcia de Orta, *Série de Estudos Agrónomicos* 13(1): 17 (1965).

Fusarium paraeumartii (Sand.-Den. & Crous) O'Donnell, Geiser, Kasson & T. Aoki, comb. nov.

IF557693

Basionym: *Neocosmospora paraeumartii* Sand.-Den. & Crous, *Persoonia* 43: 149 (2019).

Fusarium parceramosum (Sand.-Den. & Crous) O'Donnell, Geiser, Kasson & T. Aoki, comb. nov.

IF557694

Basionym: *Neocosmospora parceramosa* Sand.-Den. & Crous, *Persoonia* 43: 151 (2019).

Fusarium perseae (Sand.-Den. & Guarnaccia) O'Donnell, Geiser & T. Aoki, comb. nov.

IF557695

Basionym: *Neocosmospora perseae* Sand.-Den. & Guarnaccia, *Fungal Syst. Evol.* 1: 136 (2018).

Fusarium piperis (F.C. Albuquerque) O'Donnell, Geiser, Kasson & T. Aoki, comb. nov.

IF557696

Basionym: *Fusarium solani* f. *piperis* F.C. Albuquerque, *Circular do Instituto Agronómico do Norte* 5: 19 (1961).

Fusarium protoensiforme (Sand.-Den. & Crous) O'Donnell, Geiser, Kasson & T. Aoki, comb. nov.

IF557697

Basionym: *Neocosmospora protoensiformis* Sand.-Den. & Crous, *Persoonia* 43: 156 (2019).

Fusarium pseudoradicicola (Sand.-Den. & Crous) O'Donnell, Geiser, Kasson & T. Aoki, comb. nov.

IF557698

Basionym: *Neocosmospora pseudoradicicola* Sand.-Den. & Crous, *Persoonia* 43: 157 (2019).

Fusarium pseudotonkinense (Sand.-Den. & Crous) O'Donnell, Geiser, Kasson & T. Aoki, comb. nov.

IF557699

Basionym: *Neocosmospora pseudotonkinensis* Sand.-Den. & Crous, *Persoonia* 43: 159 (2019).

- Fusarium quercinum* O'Donnell, Geiser, Kasson & T. Aoki, nom. nov.
IF557700
Replaced synonym: *Neocosmospora quercicola* Sand.-Den. & Crous, *Persoonia* 43: 159 (2019).
- Fusarium ramosum* (Batista & H. Maia) O'Donnell, Geiser & T. Aoki, comb. nov.
IF557701
Basionym: *Hyaloflorea ramosa* Batista & H. Maia, *Anais Soc. Biol. Pernambuco* 13(1): 155 (1955).
- Fusarium regulare* (Sand.-Den. & Crous) O'Donnell, Geiser, Kasson & T. Aoki, comb. nov.
IF557702
Basionym: *Neocosmospora regularis* Sand.-Den. & Crous, *Persoonia* 43: 162 (2019).
- Fusarium rhizophorae* (Dayarathne) O'Donnell, Geiser, Kasson & T. Aoki, comb. nov.
IF557703
Basionym: *Neocosmospora rhizophorae* Dayarathne, *Mycosphere* 11(1): 112 (2020).
- Fusarium samuelsii* (Sand.-Den. & Crous) O'Donnell, Geiser, Kasson & T. Aoki, comb. nov.
IF557704
Basionym: *Neocosmospora samuelsii* Sand.-Den. & Crous, *Persoonia* 43: 165 (2019).
- Fusarium silvicola* (Sand.-Den. & Crous) O'Donnell, Geiser, Kasson & T. Aoki, comb. nov.
IF557705
Basionym: *Neocosmospora silvicola* Sand.-Den. & Crous, *Persoonia* 43: 167 (2019).
- Fusarium solani-melongenae* O'Donnell, Geiser, Kasson & T. Aoki, nom. nov.
IF557706
Replaced synonym: *Nectria ipomoeae* Halst., *Rep. New Jersey State Agric. Exper. Stn* 12: 281 (1891).
- Fusarium spathulatum* (Sand.-Den. & Crous) O'Donnell, Geiser, Kasson & T. Aoki, comb. nov.
IF557707
Basionym: *Neocosmospora spathulata* Sand.-Den. & Crous, *Persoonia* 43: 171 (2019).
- Fusarium spinulosum* (Pfenning) O'Donnell, Geiser, Kasson & T. Aoki, comb. nov.
IF557708
Basionym: *Neocosmospora spinulosa* Pfenning, *Sydowia* 47: 66 (1995).
- Fusarium suttonianum* (Sand.-Den. & Crous) O'Donnell, Geiser & T. Aoki, comb. nov.
IF557709
Basionym: *Neocosmospora suttoniana* Sand.-Den. & Crous, *Persoonia* 41: 123 (2018).
- Fusarium tenuicristatum* (S. Ueda & Udagawa) O'Donnell, Geiser & T. Aoki, comb. nov.
IF557710
Basionym: *Neocosmospora tenuicristata* S. Ueda & Udagawa, *Mycotaxon* 16(2): 387 (1983).
- Fusarium tonkinense* (Bugnic.) O'Donnell, Geiser & T. Aoki, comb. nov.
IF557711

Basionym: *Cylindrocarpon tonkinense* Bugnic., *Encyclopédie Mycologique* 11: 181 (1939).

Fusarium vanettenii O'Donnell, Geiser, Kasson & T. Aoki, nom. nov.

IF557712

Replaced synonym: *Fusarium martii* var. *psi* F.R. Jones, *J. Agric. Res.* 26: 459 (1923).

Fusarium venezuelense O'Donnell, Geiser, Kasson & T. Aoki, nom. nov.

IF557713

Replaced synonym: *Neocosmospora robusta* Sand.-Den. & Crous, *Persoonia* 43: 165 (2019).

Fusarium walteggamsii O'Donnell, Geiser & T. Aoki, nom. nov.

IF557714

Replaced synonym: *Neocosmospora gamsii* Sand.-Den. & Crous, *Persoonia* 41: 116 (2018).

Fusarium yamamotoi O'Donnell, Geiser, Kasson & T. Aoki, nom. nov.

IF557715

Replaced synonym: *Nectria elegans* W. Yamam. & Maeda, *Sci. Rep. Hyogo Univ. Agric.* 3: 15 (1957).

Neocosmospora vasinfecta E.F. Sm., *Bulletin U.S. Dept. Agri.* 17: 45 (1899).

IF557666

Epytype: BPI 910920 (designated here).

Supported Lectotype Pl. V, figs 1-2 (Smith, *Bull. U.S. Dept Agric.* 17, 1899) (IF596774).