

Nomenclatural novelties : de Hoog, Dukik, Monod, Packeu, Stubbe, Hendrickx, Kupsch, Stielow, Freeke, Göker, Rezaei-Matehkolaei, Mirhendi & Gräser

Arthroderma amazonicum (Moraes, Borelli & Feo) Y. Gräser & de Hoog, in de Hoog, Dukik, Monod, Packeu, Stubbe, Hendrickx, Kupsch, Stielow, Freeke, Göker, Rezaei-Matehkolaei, Mirhendi & Gräser, comb.nov.

IF554309

Basionym: *Microsporium amazonicum* Moraes, Borelli & Feo, *Medicina Cutánea Ibero, Latino Americana* **2**: 284 (1967)

Arthroderma eboreum (Brasch & Y. Gräser) Y. Gräser & de Hoog, in de Hoog, Dukik, Monod, Packeu, Stubbe, Hendrickx, Kupsch, Stielow, Freeke, Göker, Rezaei-Matehkolaei, Mirhendi & Gräser, comb.nov.

IF554310

Basionym: *Trichophyton eboreum* Brasch & Y. Gräser, *J. Clin. Microbiol.* **43**(10): 5235 (2005)

Arthroderma onychocola (Cmokova, Hubka, Skorepova & M. Kolařík) Y. Gräser & de Hoog, in de Hoog, Dukik, Monod, Packeu, Stubbe, Hendrickx, Kupsch, Stielow, Freeke, Göker, Rezaei-Matehkolaei, Mirhendi & Gräser, comb.nov.

IF554311

Basionym: *Trichophyton onychocola* Cmokova, Hubka, Skorepova & M. Kolarík, *Medical Mycol.* **52**(3): 287 (2014)

Arthroderma phaseoliforme (Borelli & Feo) Y. Gräser & de Hoog, in de Hoog, Dukik, Monod, Packeu, Stubbe, Hendrickx, Kupsch, Stielow, Freeke, Göker, Rezaei-Matehkolaei, Mirhendi & Gräser, comb.nov.

IF554312

Basionym: *Trichophyton phaseoliforme* Borelli & Feo, *Acta méd. venez.* **13**: 176 (1967)

Arthroderma redellii (Minnis, J.M. Lorch, D.L. Lindner & Blehert) Y. Gräser & de Hoog, in de Hoog, Dukik, Monod, Packeu, Stubbe, Hendrickx, Kupsch, Stielow, Freeke, Göker, Rezaei-Matehkolaei, Mirhendi & Gräser, comb.nov.

IF554318

Basionym: *Trichophyton redellii* Minnis, J.M. Lorch, D.L. Lindner & Blehert, in Lorch, Minnis, Meteyer, Redell, White, Kaarakka, Muller, Lindner, Verant, Shearn-Bochsler & Blehert, *Journal of Wildlife Diseases* **51**: 43 (2014)

Arthroderma thuringiense (H.A. Koch) Y. Gräser & de Hoog, in de Hoog, Dukik, Monod, Packeu, Stubbe, Hendrickx, Kupsch, Stielow, Freeke, Göker, Rezaei-Matehkolaei, Mirhendi & Gräser, comb.nov.

IF554313

Basionym: *Trichophyton thuringiense* H.A. Koch, *Mykosen* **12**(5): 287 (1969)

Arthroderma vespertilii (Guarro, P. Vidal & De Vroey) Y. Gräser & de Hoog, in de Hoog, Dukik, Monod, Packeu, Stubbe, Hendrickx, Kupsch, Stielow, Freeke, Göker, Rezaei-Matehkolaei, Mirhendi & Gräser, comb.nov.

IF554314

Basionym: *Chrysosporium vespertilii* Guarro, P. Vidal & De Vroey, in Vidal, Guarro & De Vroey, *Mycotaxon* **59**: 190 (1996)

Guarromyces Y. Gräser & de Hoog, in de Hoog, Dukik, Monod, Packeu, Stubbe, Hendrickx, Kupsch, Stielow, Freeke, Göker, Rezaei-Matehkolaei, Mirhendi & Gräser, gen.nov.

IF554315

Macroconidia hyaline, smooth- and thick-walled, lanceolate to cylindrical, multiseptate, borne holothallically in loose clusters on creeping hyphae; microconidia absent.

Holotype: *Guarromyces ceretanicus* (Punsola & Guarro) Y. Gräser & de Hoog 2018.

Guarromyces ceretanicus (Punsola & Guarro) Y. Gräser & de Hoog, in de Hoog, Dukik, Monod, Packeu, Stubbe, Hendrickx, Kupsch, Stielow, Freeke, Göker, Rezaei-Matehkolaei, Mirhendi & Gräser, comb.nov.

IF554316

Basionym: *Keratinomyces ceretanicus* Punsola & Guarro, *Mycopathologia* **85**(3): 185 (1984)

Nannizzia aenigmatica (Hubka, Dobiášová & M. Kolařík) Y. Gräser & de Hoog, in de Hoog, Dukik, Monod, Packeu, Stubbe, Hendrickx, Kupsch, Stielow, Freeke, Göker, Rezaei-Matehkolaei, Mirhendi & Gräser, comb.nov.

IF554317

Basionym: *Microsporium aenigmaticum* Hubka, Dobiášová & M. Kolarík, *Medical Mycol.* **52**(4): 389 (2014)

Nannizzia duboisii Vanbreus. ex Y. Gräser & de Hoog, in de Hoog, Dukik, Monod, Packeu, Stubbe, Hendrickx, Kupsch, Stielow, Freeke, Göker, Rezaei-Matehkolaei, Mirhendi & Gräser, sp.nov.

IF554302

Colonies on SGA circular, creamy white, velvety or powdery; reverse yellowish. Colonies on MEA creamy white, velvety with thin cottony margins; reverse yellow orange. Macroconidia 2-6 septate, rough- and thin- or moderately thick-walled, fusiform with pointed apex. Microconidia sessile alongside undifferentiated hyphae or stalked, clavate to obovoidal, sometimes present in small clusters. Chlamydospore-like structures present.

Holotype CBS 349.49.

Nannizzia nana (C.A. Fuentes) Y. Gräser & de Hoog, in de Hoog, Dukik, Monod, Packeu, Stubbe, Hendrickx, Kupsch, Stielow, Freeke, Göker, Rezaei-Matehkolaei, Mirhendi & Gräser, comb.nov.

IF554303

Basionym: *Microsporium nanum* C.A. Fuentes, *Mycologia* **48**(4): 614 (1956)

Nannizzia praecox (Rivalier ex A.A. Padhye, Ajello & McGinnis) Y. Gräser & de Hoog, in de Hoog, Dukik, Monod, Packeu, Stubbe, Hendrickx, Kupsch, Stielow, Freeke, Göker, Rezaei-Matehkolaei, Mirhendi & Gräser, comb.nov.

IF554304

Basionym: *Microsporium praecox* Rivalier ex A.A. Padhye, Ajello & McGinnis, in Padhye, Detweiler, Frumkin, Bulmer & Ajello, *J. Med. Vet. Mycol.* **27**(5): 316 (1989)

Paraphyton Y. Gräser, Dukik & de Hoog, in de Hoog, Dukik, Monod, Packeu, Stubbe, Hendrickx, Kupsch, Stielow, Freeke, Göker, Rezaei-Matehkolaei, Mirhendi & Gräser, gen.nov.

IF554305

Colonies mostly granular, brownish, with a brown colony reverse. Hyphae thin-walled, hyaline. Thallic macroconidia and microconidia, if present, arranged in orthotropically arranged hyphal systems. Macroconidia, multi-celled, thick- and rough-walled, (sub)hyaline, clavate or cigar-shaped. Microconidia thin- and smooth-walled, hyaline, 1-celled, clavate. Sexual state produced after mating, arthroderma-like.

Holotype: *Paraphyton cookei* (Ajello) Y. Gräser, Dukik & de Hoog 2018.

Paraphyton cookei (Ajello) Y. Gräser, Dukik & de Hoog, in de Hoog, Dukik, Monod, Packeu, Stubbe, Hendrickx, Kupsch, Stielow, Freeke, Göker, Rezaei-Matehkolaei, Mirhendi & Gräser, comb.nov.

IF554306

Basionym: *Microsporium cookei* Ajello, *Mycologia* **51**(1): 71 (1959)

Paraphyton cookiellum (Clercq) Y. Gräser, Dukik & de Hoog, in de Hoog, Dukik, Monod, Packeu, Stubbe, Hendrickx, Kupsch, Stielow, Freeke, Göker, Rezaei-Matehkolaei, Mirhendi & Gräser, comb.nov.

IF554307

Basionym: *Nannizzia cookiella* Clercq, *Mycotaxon* **18**(1): 24 (1983)

Paraphyton mirabile (J.S. Choi, Y. Gräser, Walther, Peano, F. Symoens & de Hoog) Y. Gräser, Dukik & de Hoog, in de Hoog, Dukik, Monod, Packeu, Stubbe, Hendrickx, Kupsch, Stielow, Freeke, Göker, Rezaei-Matehkolaei, Mirhendi & Gräser, comb.nov.

IF554308

Basionym: *Arthroderma mirabile* J.S. Choi, Y. Gräser, Walther, Peano, F. Symoens & de Hoog, *Medical Mycol.* **50**(2): 168 (2012)

Trichophyton benhamiae (Ajello & Cheng) Y. Gräser & de Hoog, in de Hoog, Dukik, Monod, Packeu, Stubbe, Hendrickx, Kupsch, Stielow, Freeke, Göker, Rezaei-Matehkolaei, Mirhendi & Gräser, comb.nov.

IF554301

Basionym: *Arthroderma benhamiae* Ajello & S.L. Cheng, *Sabouraudia* **5**(3): 232 (1967)