

Danny Haelewaters

Research Group Mycology, Department of Biology, Ghent University
K. L. Ledeganckstraat 35, 9000 Ghent, Belgium
T: (+32) 468-229-189 | E: danny.haelewaters@gmail.com |
W: www.dannyhaelewaters.com

I. EDUCATION

- 2012-2018 PhD in Organismic and Evolutionary Biology, Harvard University, Faculty of Arts and Sciences, Cambridge MA
Research advisor – Donald H. Pfister
- 2007-Feb 2011 Master of Science in biology, Ghent University, Faculty of Sciences, Ghent, Belgium
Research advisors – Annemieke Verbeken, André De Kesel
- 2006-2009 Bachelor in Biology, Ghent University, Faculty of Sciences, Ghent, Belgium
Research advisor – Annemieke Verbeken
- 2001-2004 Bachelor in Veterinary Sciences, University of Antwerp, Antwerp, Belgium

II. PROFESSIONAL EXPERIENCE

- Sep 2021-present Researcher, Biology Centre of the Czech Academy of Sciences, České Budějovice, Czech Republic
- Nov 2020-present Research Foundation–Flanders Junior Postdoctoral Fellow, Ghent University, Department of Biology, Research Group Mycology, Ghent, Belgium
Research advisor – Annemieke Verbeken
- Apr 2019-present Researcher, University of South Bohemia, Faculty of Science, Department of Zoology, Ceske Budejovice, Czech Republic
- Nov 2018-Nov 2020 Postdoctoral Research Assistant, Purdue University, College of Agriculture, Department of Botany and Plant Pathology, West Lafayette, Indiana
Research advisor – M. Catherine Aime
- Aug 2018-Mar 2019 Postdoctoral Researcher, University of South Bohemia, Faculty of Science, Department of Zoology, Ceske Budejovice, Czech Republic
Research advisor – Oldřich Nedvěd
- 2017-2018 Principal Investigator, Boston Harbor Islands All-Taxa Biodiversity Inventory of Fungi, National Park Service, Boston Harbor Now, Boston, Massachusetts
- Summer 2017 Short-Term Research Fellow, Smithsonian Tropical Research Institute, Gamboa, Panama
Research advisor – Rachel A. Page
- Dec 2016-present Associate Researcher, Universidad Autónoma de Chiriquí, Herbario UCH, David, Panama
- Feb-May 2009 Intern, project “Identification of fungal traces using DNA for forensic purposes”, Netherlands Forensic Institute, Den Haag, The Netherlands
Research advisors – Irene Kuiper, Annemieke Verbeken

III. EXTERNAL FUNDING

Agency	European Union—INTERACT Transnational Access (pending)
Title	New Leotiomycetes phylogeny with missing taxa from Siberian peatlands
Duration	One year (2021–2022)
Amount	€10,544
Role	PI
Agency	US National Science Foundation—Poorly Sampled and Unknown Taxa (PurSUiT)
Title	Collaborative Research: PurSUiT: Species diversity and evolution of parasitic microfungi
Duration	Three years (2021–2024)
Amount	\$1,499,207 (share to Haelewaters: \$25,000)
Role	Co-PI (PI M. Catherine Aime, Purdue University)
Agency	Czech Science Foundation
Title	Do entomopathogenic fungi drive arthropod diversity gradients via host negative density dependence?
Duration	Three years (2021–2024)
Amount	€376,814 (share to Haelewaters: €11,864)
Role	20% researcher (PI Tom Fayle, Biology Centre, Czech Academy of Sciences)
Agency	US National Science Foundation—Poorly Sampled and Unknown Taxa (PurSUiT)
Title	Collaborative Research: In PurSUiT of a phylogenetic, genomic, and functional framework for the environmentally diverse and poorly characterized fungal class, Leotiomycetes
Duration	Three years (2020–2023)
Amount	\$911,994 (share to Haelewaters: \$180,208)
Role	Co-PI (PI C. Alisha Quandt, Colorado State University)
Agency	Indiana Academy of Science—Senior Research Grant Program
Title	A survey of crust fungi in Indiana (Fungi, Agaricomycetes), inspired by the recent discovery of undescribed species from midwestern United States
Duration	One year (2019–2020)
Amount	\$3,000
Role	PI
Agency	Indiana Academy of Science—Winona Welch Award for Botanical Biodiversity Research
Title	Molecular phylogenetic circumscription of an order of crusts (Fungi, Agaricomycetes, Atheliales), inspired by the discovery of undescribed species from Indiana and Massachusetts
Duration	One year (2019–2020)
Amount	\$2,461
Role	PI

IV. FELLOWSHIPS, AWARDS, and GRANTS

2021	SYNTHESYS+ award no. CZ-TAF-XYZ, European Union (€ TBA)
2020	Purdue University Libraries Open Access Publishing Fund award (\$1,870)
2020	Systematics Research Fund grant, Linnean Society of London and Systematics Association (£1,323)
2020	Leopold III Fund grant no. LF/JVG/vm/20.15 (€1,250)

2020-2022	Junior Postdoctoral Fellowship, Research Foundation – Flanders (Fonds Wetenschappelijk Onderzoek – Vlaanderen, FWO)
2019	Purdue University Postdoc Travel Grant (\$500)
2019	SYNTHESYS+ award no. BE-TAF-151, European Union (€1,879)
2018	Royal T. Moore Conference Travel Award, Harvard University Department of Organismic and Evolutionary Biology (\$1,000)
2018	Harvard Open-Access Publishing Equity Fund award (\$2,474)
2018	Forest Fungal Ecology Postdoctoral Research Award, Mycological Society of America (\$1,250)
2018	Harry Morton Fitzpatrick Mentor Student Travel Award, Mycological Society of America (\$1,000)
2017	Robert W Lichtwardt Student Research Award, Mycological Society of America (\$1,000)
2017	Les Mehrhoff Botanical Research Fund, New England Botanical Club (\$2,034)
2017	Graduate Fellowship, Friends of the Farlow (\$4,000)
2016	Conference Travel Grant, David Rockefeller Center for Latin American Studies (\$300)
2016	Short-Term Research Fellowship, Smithsonian Tropical Research Institute (\$2,000)
2016	Graduate Research Fellowship, Mycological Society of America (\$2,000)
2015-2017	Research Travel Grants, David Rockefeller Center for Latin American Studies (\$6,700)
2015-2016	Simmons Awards, Harvard Center for Biological Imaging (\$2,070)
2015	PhD Scholarship, Georgia Entomological Society (\$500)
2015	Graduate Student Research Fellowship, Torrey Botanical Society (\$1,000)
2015	Richard P. Korf Mentor Student Travel Award, Mycological Society of America (\$500)
2015	Graduate Student Council Conference Grant, Harvard University (\$750)
2014	Bayard Long Award for Botanical Research, Philadelphia Botanical Club (\$1,000)
2014	Fernald Fund Award, Harvard University Herbaria (\$5,000)
2013-2014	Theodore Roosevelt Memorial Fund Research Award, American Museum of Natural History, New York (\$2,500)
2012-2013	Collection Study Grant, American Museum of Natural History, New York (\$1,354)
2012-2018	Graduate Student Fellowship, Harvard University Graduate School of Arts and Sciences (\$73,290/year)
2012-2013	Honorary Award, Belgian American Educational Foundation
2012	Fernand Lazard Foundation Fellowship (€10,000)
2011-2012	Uyttenboogaart-Eliassen Foundation award (€500)

V. PEER-REVIEWED ARTICLES [*mentee author]

2022

- 93 *Lubbers M, Lamers GEM, De Kesel A, Nedvěd O, Schilthuizen M, **Haelewaters D**. 2022. Bacterial biofilms on thalli of Laboulbeniales: a community uncovered. *Sydowia* 74 (in press).
- 92 Lebeuf R, Alexandrova AV, Cerna-Mendoza A, Corazon-Guivin MA, da Silva GA, de la Sota-Ricaldi AM, Dima B, Fryssouli V, Gkilas M, Guerrero-Abad JC, Lamoureux Y, Landry J, Mešić A, Morozova OV, Noordeloos ME, Oehl F, Paul A, Pham THG, Polemis E, Santos VM, Svetasheva TY, Tkalčec Z, Vallejos-Tapullima A, Vila J, Zervakis GI, Baral H-O, Bulyonkova T, Kalinina L, Krisai-Greilhuber I, Malysheva E, Myhrer J, Pärtel K, Pennanen M, *Stallman JK, **Haelewaters D**. 2021. Fungal Systematics and Evolution: FUSE 8. *Sydowia* 74 (in press).

- 91 Tartally A, Szabó N, Somogyi AÁ, Báthori F, **Haelewaters D**, Mucsi A, Fürjes-Mikó Á, Nash D. 2021. Ectoparasitic fungi of *Myrmica* ants alter the success of parasitic butterflies. *Scientific Reports* (**in press**).
- 90 Kaishian P, **Haelewaters D**, Ríos González TA, *Liu J, Villarreal Saucedo RV, Aime MC. 2021. *Laboulbenia* (Laboulbeniales, Ascomycota) on Gerridae (Heteroptera, Insecta): a new species and new species records from Panama. *Journal of Mesoamerican Biology* (**in press**).
- 89 Crous PW, Osieck ER, Jurjević Ž, Boers J, van Iperen AL, Starink-Willemse M, Dima B, Balashov S, Bulgakov TS, Johnston PR, Morozova OV, Pinruan U, Sommai S, Alvarado P, Decock CA, Lebel T, McMullan-Fisher S, Moreno G, Shivas RG, Zhao L, Abdollahzadeh J, Abrinbana M, Ageev DV, Akhmetova G, Alexandrova AV, Altés A, Amaral AGG, Angelini C, Arenas F, Asselman P, Badali F, Baghela A, Bañares A, Barreto RW, Baseia IG, Bellanger JM, Berraf-Tebbal A, Biketova AY, Bukharova NV, Burgess TI, Cabero J, Câmara MPS, Cano-Lira JF, Ceryngier P, Chávez R, Cowan D, de Lima AF, de L. Oliveira R, Denman S, Dang QN, dos Santos Vieira WA, Dovana F, Duarte IG, Eichmeier A, Erhard A, Esteve-Raventós F, Fellin A, Ferisin G, Ferreira RJ, Ferrer A, Finy P, Gaya E, Geering ADW, Gil-Durán C, Glässnerová K, Glushakova AM, Gramaje D, Guard FE, Guarnizo AL, **Haelewaters D**, Halling RE, Hill R, Hirooka Y, Hubka V, Iliushin VA, Ivanova DD, Ivanushkina NE, Jangsantear P, Justo A, Kachalkin AV, Kato S, Khamsuntorn P, Kirtsideli IY, Knapp DG, Kochkina GA, Koukol O, Kovács GM, Kruse J, Kumar TKA, Kušan I, Læssøe T, Larsson E, Lebel T, Lebeuf R, Levicán G, Loizides M, Lúcio PSM, Luangsa-ard JJ, Lukina EG, Magaña-Dueñas V, Maggs-Kölling G, Malysheva EF, Malysheva VF, Martín B, Martín MP, Matočec N, McTaggart AR, Mehrabi-Koushki M, Mešić A, Miller AN, *Mironova P, Moreau PA, Morte A, Müller K, Nagy LG, Nanu S, Navarro-Ródenas A, Nel W, Nguyen TH, Nóbrega TF, Noordeloos ME, Olariaga I, Overton BE, Ozerskaya SM, Palani P, Pancorbo F, Papp V, Pawłowska J, Pham TQ, Phosri C, Pichai S, Popov ES, Portugal A, Pošta A, Reschke K, Reul M, Ricci GM, Rodríguez A, Romanowski J, Ruchikachorn N, Saar I, Safi A, Sakolrak B, Salzmänn F, Sandoval-Denis M, Sangwichein E, Sanhueza L, Sato T, Sastoque A, Senn-Irlet B, Shibata A, Siepe K, Somrithipol S, Spetik M, Stchigel AM, Stuskova K, Suwannasai N, Tan YP, Thangavel R, Tiago I, Tiwari S, Tkalčec Z, Tomashevskaya MA, Tonegawa C, Tran HX, Tran NT, Trovão J, Trubitsyn VE, Van Wyk J, Vila J, Visagie CM, Vizzini A, Volobuev SV, Vu DT, Wangsawat N, Yaguchi T, Ferreira BW, de Souza AP, Vieira BS, Groenewald JZ. 2021. Fungal Planet description sheets: 1184–1382. *Persoonia* 47 (**in press**).
- 88 Nokes LF, **Haelewaters D**, Pfister DH. 2021. Exploration of marine lichenized fungi as bioindicators of coastal ocean pollution in the Boston Harbor Islands National Recreation Area. *Rhodora* 122(992) (**in press**).
- 87 Cao B, **Haelewaters D**, *Schoutteten N, Begerow D, Boekhout T, Giachini AJ, Gorjón SP, Gunde-Cimerman N, Hyde KD, Kemler M, Li GJ, Liu DM, Liu XZ, Nuytinck J, Papp V, Savchenko A, Savchenko K, Tedersoo L, Theelen B, Thines M, Tomšovský M, Toome-Heller M, Urón JP, Verbeken A, Vizzini A, Yurkov AM, Zamora JC, Zhao RL. 2021. Delimiting species in Basidiomycota: a review. *Fungal Diversity* 109: 181-237.
- 86 Maharachchikumbura SSN, Chen Y, Ariyawansa HA, Hyde KD, **Haelewaters D**, Perera RH, Samarakoon MC, Wanasinghe DN, Bustamante DE, Liu J-K, Lawrence DP, Cheewangkoon R, Stadler M. 2021. Integrative approaches for species delimitation in Ascomycota. *Fungal Diversity* 109: 155-179.
- 85 **Haelewaters D**, Park D, Johnston PR. 2021. Multilocus phylogenetic analysis reveals that Cyttriales is a synonym of Helotiales. *Mycological Progress* 20: 1323-1330.
- 84 **Haelewaters D**, Hofmann TA, Romero-Olivares AL. 2021. Ten simple rules for Global North researchers to stop perpetuating helicopter research in the Global South. *PLoS Computational Biology* 17(8): e1009277.
- 83 Crous PW, Lombard L, Sandoval-Denis M, Seifert KA, Schroers HJ, Chaverri P, Gené J, Guarro J, Hirooka Y, Bensch K, Kema GHJ, Lamprecht SC, Cai L, Rossman AY, Stadler

- M, Summerbell RC, Taylor JW, Ploch S, Visagie CM, Yilmaz N, Frisvad JC, Abdel-Azeem AM, Abdollahzadeh J, Abdolrasouli A, Akulov A, Alberts JF, Araújo JPM, Ariyawansa HA, Bakhshi M, Bendiksby M, Ben Hadj Amor A, Bezerra JDP, Boekhout T, Câmara MPS, Carbia M, Cardinali G, Castañeda-Ruiz RF, Celis A, Chaturvedi V, Collemare J, Croll D, Damm U, Decock CA, de Vries RP, Ezekiel CN, Fan XL, Fernández NB, Gaya E, González CD, Gramaje D, Groenewald JZ, Grube M, Guevara-Suarez M, Gupta VK, Guarnaccia V, Haddaji A, Hagen F, **Haelewaters D**, Hansen K, Hashimoto A, Hernández-Restrepo M, Houbraken J, Hubka V, Hyde KD, Iturriaga T, Jeewon R, Johnston PR, Jurjević Ž, Karalti İ, Korsten L, Kuramae EE, Kušan I, Labuda R, Lawrence DP, Lee HB, Lechat CLL, Li HY, Litovka YA, Maharachchikumbura SSN, Marin-Felix Y, Kemkuignou BM, Matočec N, McTaggart AR, Mlčoch P, Mugnai L, Nakashima C, Nilsson RH, Nourse SR, Pavlov IN, Peralta MP, Phillips AJL, Pitt JI, Polizzi G, Quaedvlieg W, Rajeshkumar KC, Restrepo S, Rhaïem A, Robert J, Robert V, Rodrigues AM, Salgado-Salazar C, Samson RA, Santos ACS, Shivas RG, Souza-Motta CM, Sun GY, Swart WJ, Szoke S, Tan YP, Taylor JE, Taylor PWJ, Tiago PV, Váczy KZ, van de Wiele N, van der Merwe NA, Verkley GJM, Vieira WAS, Vizzini A, Weir BS, Wijayawardene NN, Xia JW, Yañez-Morales MJ, Yurkov A, Zamora JC, Zare R, Zhang CL, Thines M. 2021. *Fusarium*: more than a node or a foot-shaped basal cell. *Studies in Mycology* 98: 100116.
- 82 Martin TE, Jones SEI, Creedy TJ, Hoskins HMJ, McCann NP, Batke SP, Kelly DL, Kolby JE, Downing R, Zelaya SMS, Green SEW, Lonsdale G, Brown T, Waters S, Rodríguez-Vásquez F, McCravy KW, D'Souza ML, Crace D, Nuñez-Mino JM, **Haelewaters D**, Medina-van Berkum P, Phipps CD, Barker RJ, Castañeda F, Reid N, Jocqué M. 2021. A review of the ecological value of Cusuco National Park: an urgent call for conservation action in a highly threatened Mesoamerican cloud forest. *Journal of Mesoamerican Biology* 1(1): 6-50.
- 81 Medina-van Berkum P, **Haelewaters D**, Thompson JRE, Uribe E, Vulinec K, Martin TE. 2021. Bat assemblages and their ectoparasites in a Honduran cloud forest: Effects of disturbance and altitude. *Journal of Mesoamerican Biology* 1(1): 51-69.
- 80 **Haelewaters D**, *Schoutteten N, Medina-van Berkum P, Martin TE, Verbeken A, Aime MC. 2021. Pioneering a fungal inventory at Cusuco National Park, Honduras. *Journal of Mesoamerican Biology* 1(1): 111-131.
- 79 **Haelewaters D**, Peterson RA, Nevalainen H, Aime MC. 2021. *Inopinatum lactosum* gen. & comb. nov., the first yeast-like fungus in Leotiomycetes. *International Journal of Systematic and Evolutionary Microbiology* 71(7): 4862.
- 78 Dima B, Brandrud TE, Corriol G, Jansen GM, Jordal JB, Khalid AN, Larsson E, Lorås J, Morozova OV, Naseer A, Noordeloos ME, Rossi W, Santamaria S, Sarwar S, Sesli E, Usman M, Afshan NS, Ahmad I, Banerjee A, Banerjee K, Bendiksen E, Colombo DRS, De Kesel A, Dovana F, Ferisin G, Hussain S, Islam S, Jesus AL, Kaygusuz O, Krisai-Greilhuber I, Mahammad S, Mishra DK, Nath PS, da Paixão SCO, Panja B, Papp V, Pires-Zottarelli CLA, Radnóti Á, Rana D, Saha R, Türkecul İ, **Haelewaters D**. 2021. *Fungal Systematics and Evolution: FUSE* 7. *Sydowia* 73: 271-340.
- 77 Biranvand A, Nedvěd O, Nattier R, Nepaeva E, **Haelewaters D**. 2021. Review of the genus *Hippodamia* (Coleoptera: Coccinellidae) in the Palearctic region. *Oriental Insects* 55(2): 293-304.
- 76 **Haelewaters D**, Urbina H, Brown S, Newerth-Henson S, Aime MC. 2021. Isolation and molecular characterization of the romaine lettuce phylloplane mycobiome. *Journal of Fungi* 7(4): 277.
- 75 Mešić A, **Haelewaters D**, Tkalčec Z, *Liu J, Kušan I, Aime MC, Pošta A. 2021. *Inocybe brijunica* sp. nov., a new ectomycorrhizal fungus from Mediterranean Croatia revealed by morphology and multilocus phylogenetic analysis. *Journal of Fungi* 7(3): 199.
- 74 Sulistyo BP, Ryberg M, **Haelewaters D**, Larsson KH. 2021. Multigene phylogeny and taxonomic revision of Atheliales s.l.: reinstatement of three families and one new family, Lobuliciaceae fam. nov. *Fungal Biology* 125(3): 239-255.

- 73 Gómez-Zapata PA, **Haelewaters D**, Quijada L, Pfister DH, Aime MC. 2021. Notes on *Trochila* (Ascomycota, Leotiomycetes), with new species and combinations. *MycKeys* 78: 21-47.
- 72 Perreau M, **Haelewaters D**, Tafforeau P. 2021. A parasitic coevolution since the Miocene revealed by propagation phase-contrast synchrotron X-ray microtomography and the study of natural history collections. *Scientific Reports* 11(1): 2672.
- 71 **Haelewaters D**, Blackwell M, Pfister DH. 2021. Laboulbeniomyces: Intimate fungal associates of arthropods. *Annual Review of Entomology* 66: 257-276.

2020

- 70 *de Groot MD, *Dumolein I, Hiller T, Sándor AD, Szentiványi T, Schilthuizen M, Aime MC, Verbeken A, **Haelewaters D**. 2020. On the fly: tritrophic associations of bats, bat flies, and fungi. *Journal of Fungi* 6(4): 361.
- 69 *Liu J, **Haelewaters D**, Pfliegler WP, Page RA, Dick CW, Aime MC. 2020. A new species of *Gloeandromyces* from Ecuador and Panama revealed by morphology and phylogenetic reconstruction, with a discussion of secondary barcodes in Laboulbeniomyces taxonomy. *Mycologia* 112(6): 1192-1202.
- 68 Blackwell M, **Haelewaters D**, Pfister DH. 2020. Laboulbeniomyces: Evolution, natural history, and Thaxter's final word. *Mycologia* 112(6): 1048-1059.
- 67 **Haelewaters D**, Kasson MT. 2020. Animal-Associated Fungi: Editorial. *Mycologia* 112(6): 1045-1047.
- 66 **Haelewaters D**, Hiller T, Kemp EA, van Wielink PS, Shapiro-Ilan DI, Aime MC, Nedvěd O, Pfister DH, Cottrell TE. 2020. Mortality of native and invasive ladybirds co-infected by ectoparasitic and entomopathogenic fungi. *PeerJ* 8: e10110.
- 65 **Haelewaters D**, Dima B, Abdel-Hafiz BII, Abdel-Wahab MA, Abul-Ezz SR, Acar I, Aguirre-Acosta E, Aime MC, Aldemir S, Ali M, Ayala-Vásquez O, Bakhit MS, Bashir H, Battistin E, Bendiksen E, Castro-Rivera R, Çolak ÖF, De Kesel A, de la Fuente JI, Dizkırıcı A, Hussain S, Jansen GM, Kaygusuz O, Khalid AN, Khan J, Kiyashko AA, Larsson E, Martínez-González CR, Morozova OV, Niazi AR, Noordeloos ME, Pham THG, Popov ES, Psurtseva NV, *Schoutteten N, Sher H, Türkekul İ, Verbeken A, Ahmad H, Afshan NS, Christe P, Fiaz M, Glaizot O, *Liu J, Majeed J, Markotter W, Nagy A, Nawaz H, Papp V, Péter Á, Pfliegler WP, Qasim T, Riaz M, Sándor AD, Szentiványi T, Voglmayr H, Yousaf N, Krisai-Greilhuber I. 2020. *Fungal Systematics and Evolution: FUSE* 6. *Sydowia* 72: 231-356.
- 64 Cheek M, Nic Lughadha E, Kirk P, Lindon H, Carretero J, Looney B, Douglas B, **Haelewaters D**, Gaya E, Llewellyn T, Ainsworth M, Gafforov Y, Hyde K, Crous P, Hughes M, Walker BE, Forzza RC, Meng WK, Tuula Niskanen T. 2020. New discoveries: plants and fungi described in 2019. *Plants, People, Planet* 2(5): 371-388.
- 63 Wijayawardene NN, Hyde KD, Dai DQ, Tang LZ, Aptroot A, Castañeda-Ruiz RF, Druzhinina IS, Cai F, Ekanayaka AH, Erdoğdu M, Fiuza PO, Gentekaki E, Goto BT, **Haelewaters D**, Hongsanan S, Jeewon R, Kirk PM, Jayalal RGU, Karunarathna SC, Wanasinghe DN, Lumbsch HT, Madrid H, Maharachchikumbura SSN, Monteiro JS, Shivaprakash N, Pfliegler WP, Phillips AJL, Saxena RK, Stadler M, Tian Q, Tokarev YS, Tsurukau A, Ertz D, Lee HB, Etayo J, Vizzini A, Jones EBG, Lin CG, Li WJ, Dai YC, Fan XL, McKenzie EHC, Shivas RG, Hustad V, Leontyev DV, de Hoog GS, Niskanen T, Boekhout T, Gaya E, Thines M. 2020. A dynamic portal for a community-driven, continuously updated classification of Fungi and fungus-like organisms: outlineoffungi.org. *Mycosphere* 11(1): 1514-1526.
- 62 **Haelewaters D**, De Kesel A. 2020. Checklist of thallus-forming Laboulbeniomyces from Belgium and the Netherlands, including *Hesperomyces halyziae* and *Laboulbenia quarantena* spp. nov. *MycKeys* 71: 23-86.
- 61 Saba M, **Haelewaters D**, Pfister DH, Khalid AN. 2020. New species of *Pseudosperma* (Agaricales, Inocybaceae) from pine-dominated forests of western Himalayas. *MycKeys* 69: 1-31.

- 60 Wijayawardene NN, Hyde KD, Al-Ani LKT, Tedersoo L, **Haelewaters D**, Rajeshkumar KC, Zhao RL, Aptroot A, Leontyev DV, Saxena RK, Tokarev YS, Dai DQ, Letcher PM, Stephenson SL, Ertz D, Lumbsch HT, Kukwa M, Issi IV, Madrid H, Phillips AJL, Selbmann L, Pfliegler WP, Horváth E, Bensch K, Kirk PM, Kolaříková K, Raja HA, Radek R, Papp V, Dima B, Ma J, Malosso E, Takamatsu S, Rambold G, Gannibal PB, Triebel D, Gautam AK, Avasthi S, Suetrong S, Timdal E, Fryar SC, Delgado G, Réblová M, Doilom M, Dolatabadi S, Pawłowska J, Humber RA, Kodsueb R, Sánchez-Castro I, Goto BT, Silva DKA, de Souza FA, Oehl F, da Silva GA, Silva IR, Błaszczowski J, Jobim K, Maia LC, Barbosa FR, Fiuza PO, Divakar PK, Shenoy BD, Castañeda-Ruiz RF, Somrithipol S, Lateef AA, Karunarathna SC, Tibpromma S, Mortimer PE, Wanasinghe DN, Phookamsak R, Xu J, Wang Y, Tian F, Alvarado P, Li DW, Kušan I, Matočec N, Maharachchikumbura SSN, Papizadeh M, Heredia G, Wartchow F, Bakhshi M, Boehm E, Youssef N, Hustad VP, Lawrey JD, Santiago ALCMA, Bezerra JDP, Souza-Motta CM, Firmino AL, Tian Q, Houbraken J, Hongsanan S, Tanaka K, Dissanayake AJ, Monteiro JS, Grossart HP, Suija A, Weerakoon G, Etayo J, Tsurukau A, Vázquez V, Mungai P, Damm U, Li QR, Zhang H, Boonmee S, Lu YZ, Becerra AG, Kendrick B, Brearley FQ, Motiejūnaitė J, Sharma B, Khare R, Gaikwad S, Wijesundara DSA, Tang LZ, He MQ, Flakus A, Rodriguez-Flakus P, Zhurbenko MP, McKenzie EHC, Stadler M, Bhat DJ, Liu JK, Raza M, Jeewon R, Nassonova ES, Prieto M, Jayalal RGU, Erdoğdu M, Yurkov A, Schnittler M, Shchepin ON, Novozhilov YK, Silva-Filho AGS, Liu P, Cavender JC, Kang Y, Mohammad S, Zhang LF, Xu RF, Li YM, Dayarathne MC, Ekanayaka AH, Wen TC, Deng CY, Pereira OL, Navathe S, Hawksworth DL, Fan XL, Dissanayake LS, Kuhnert E, Grossart HP, Thines M. 2020. Outline of Fungi and fungus-like taxa. *Mycosphere* 11(1): 1060-1456.
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Haelewaters D, Pfliegler WP, *Gorczak M, Pfister DH. 2018. Nomenclatural novelties. Index Fungorum 382: 1.

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De Kesel A, **Haelewaters D**, Dekoninck W. 2016. Myrmecophilous Laboulbeniales (Ascomycota) in Belgium. *Sterbeekia* 34: 3-6.

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- Haelewaters D,** De Kock G, van Wielink P. 2015. Nieuwe Laboulbeniales in De Kaaistoep. pp. 11-18. In: Peeters T, van Eck A, Cramer T (eds.) *Natuurstudie in De Kaaistoep. Verslag 2014, 20e onderzoeksjaar.* TWM Gronden BV, Natuurmuseum Brabant & KNNV-afdeling Tilburg.
- De Kesel A, **Haelewaters D.** 2014. Belgian records of Laboulbeniales from aquatic insects (3) – species from *Dryops luridus*. *Sterbeeckia* 33: 9-15.
- De Kesel A, **Haelewaters D,** Gerstmans C. 2013. Two interesting species of *Rickia* (Laboulbeniales) from coastal habitats in Belgium and the Netherlands. *Sterbeeckia* 32: 6-10.
- Haelewaters D.** 2012. The first record of Laboulbeniales (Fungi, Ascomycota) on ants (Hymenoptera, Formicidae) in The Netherlands. *Ascomycete.org* 4(3): 65-69.
- Haelewaters D,** De Kesel A. 2011. Laboulbeniales van De Kaaistoep. pp. 107-112. In: Cramer T, van Wielink P (eds.) *Natuurstudie in De Kaaistoep. Verslag 2010, 16e onderzoeksjaar.* TWM Gronden BV, Natuurmuseum Brabant & KNNV-afdeling Tilburg.

IX. INVITED PRESENTATIONS

- #Scicomm at the interface of disciplines. *Invited symposium talk*, XXVI International Congress of Entomology, Helsinki (Finland). 18-23 July 2022 (with B.R. Lovett).
- A case of silent invasion: citizen science confirms the presence of *Harmonia axyridis* in Central America. *Invited symposium talk*, XXVI International Congress of Entomology, Helsinki (Finland). 18-23 July 2022 (with T. Hiller).
- Laboulbeniales, underappreciated microfungi parasites. *Guest lecture*, Master Ecology and Evolution, Faculty of Biological Sciences, Goethe-Universität Frankfurt am Main (Germany). 30 November 2021.
- Laboulbeniales fungi associated with bat flies: seven new species. *Invited talk*, 2021 Korea–Japan Joint Symposium on Mycology, Chonnam National University (South Korea). 29 October 2021.
- Interactions of Laboulbeniales with their hosts and hyperhosts: association networks and community ecology. *Invited talk*, International Conference of the German Mycological Society “100 years anniversary of DGfM”, Blaubeuren (Germany). 6 October 2021.
- Fungal parasites of bat parasites: evolution, host associations, and the effect of habitat. *Biology Seminar Series*, Department of Biological Sciences, Butler University, Indianapolis IN. 31 March 2021.
- Pushing the boundaries of fungal exploration. *Invited talk*, Umeå University (Sweden). 23 February 2021.
- Recent advances in an understudied clade of arthropod-associated fungi, the Laboulbeniomycetes. *Invited lecture*, International Webinar Series, Forensic-Urban-Nutritional Entomology Lab, Universiti Teknologi MARA (Malaysia). 19 January 2021.
- Laboulbeniales fungi, arthropod-associated ectoparasites? The jury is still out. *Invited presentation*, Parasite Discussion Club, Leibniz Institute of Freshwater Ecology and Inland Fisheries (Germany). 2 December 2020.
- Bats, bat flies, and fungi. *Invited presentation*, “50 years of bat research” virtual symposium. North American Society for Bat Research. 20 November 2020.
- The future of collections-based research in systematic mycology. *Invited lecture*, University of Oslo (Norway). 10 November 2020.
- Understudied fungi in understudied habitats: A tritrophic system with bats, bloodsucking bat flies, and ectoparasitic fungi. *Invited Departmental Seminar*, Department of Biology, Western Kentucky University, Bowling Green KY. 7 February 2020.
- Arthropod-associated Laboulbeniales fungi, the elephant in the room. *Invited Departmental Seminar*. Department of Entomology, Purdue University, West Lafayette IN. 16 January 2020.

Understudied fungi in understudied habitats: Diversity, evolution, associations, and the role of collections. *Invited talk*, New York Botanical Garden, Bronx NY. 6 January 2020.

Ascomycota: Leotiomycetes & Laboulbeniomycetes. *Guest lecture*, Department of Biological Sciences, Butler University, Indianapolis IN. 15 October 2019.

Factors driving speciation in a group of fungal epibionts on arthropods. *EcoLunch Seminar Series*, Department of Biological Sciences, Purdue University, West Lafayette IN. 28 August 2019.

Phylogenetic reconstruction of the Laboulbeniomycetes. *Invited symposium talk*, Mycological Society of America Annual Meeting, Minneapolis MN. 10-14 August 2019 (with A. Weir).

Mycologist goes mammalogy: Laboulbeniales fungi on bat-associated flies. *Invited talk*, Cusuco National Park (Honduras). 13 July 2019.

Taxonomy and species delimitation in Laboulbeniales (Fungi, Ascomycota). *Invited talk*, Ximena Bernal Lab Meeting, Department of Biological Sciences, Purdue University, West Lafayette IN. 24 April 2019.

Microbial World: Ascomycota. *Guest lecture*, Department of Botany and Plant Pathology, Purdue University, West Lafayette IN. 8 March 2019.

Laboulbeniales, their ecology, diversity and taxonomy. *Invited lecture*, Faculty of Science, Charles University, Prague (Czech Republic). 24-25 October 2018.

LGBT+ in STEM, a must-have conversation. *Invited symposium talk*, 11th International Mycological Congress, San Juan PR, 20 July 2018 (with A.L. Romero-Olivares).

Speciation and diversity in Laboulbeniomycetes. *Invited seminar*, Department of Botany and Plant Pathology, Purdue University, West Lafayette IN. 27 April 2018.

On the hunt for fungi on flies on bats: A summer of fieldwork in Panama. *Herbaria Seminar Series*, Harvard University Herbaria, Cambridge MA. 26 September 2017.

Three independent lineages of ectoparasitic fungi associated with bat flies. *Invited seminar*, Department of Zoology, University of South Bohemia, České Budějovice (Czech Republic). 23 August 2017.

Fungal parasite on exotic lady beetle in South Africa: curse or blessing? [In Dutch]. *Invited seminar*, Royal Academy for Overseas Sciences, Brussels (Belgium). 21 February 2017.

Fungal ectoparasite spreading throughout the world in the footsteps of its novel main host, the globally invasive harlequin ladybird *Harmonia axyridis*. *Invited symposium talk*, XXV International Congress of Entomology, Orlando FL. 30 September 2016.

A common fungal parasite of ladybirds: single species or species complex? *Guest lecture*, Department of Plant Pathology, University of Florida, Gainesville FL. 27 September 2016.

Introducción a los Laboulbeniales: hongos ectoparásitos estrictos de artrópodos. *Seminar as part of "Taller Internacional: Hongos asociados a insectos: Un aporte al conocimiento de la biodiversidad,"* Universidad Autónoma de Chiriquí, David (Panama). 26 July 2016.

Bats, bat flies, and Laboulbeniales fungi: a model for studying hyperparasitism. *Bambi Seminar Series*, Smithsonian Tropical Research Institute, Isla Barro Colorado (Panama). 14 July 2016.

Around the world in 80 years: a lady beetle and its parasite. *Invited seminar*, Department of Ecology and Evolutionary Biology, University of Michigan, Ann Arbor MI. 30 June 2016.

Current research on Laboulbeniales fungi in New England. *Invited seminar*, New England Botanical Club, Cambridge MA. 1 April 1, 2016.

Can Laboulbeniales parasites (Fungi, Ascomycota) be invasive? *Invited presentation*, IOBC-WPRS Working Group Meeting, Bornholm (Denmark). 14 May 2015.

The Laboulbeniales, an obscure group of insect-parasitizing fungi. Philadelphia Botanical Club, Philadelphia PA. 26 February 2015.

WANTED: lady beetles with Laboulbeniales. Faculty of Science & Technology, Universiti Kebangsaan Malaysia, Bangi (Malaysia). 20 June 2014.

Introducing the fascinating Laboulbeniales. Levels of specificity. Nixon Park Nature Center, York PA. 29 March 2014.

Parasite-host dynamics of Laboulbeniales parasites and invasive lady beetles. *Invited seminar*, Wesleyan College, Macon GA. 18 March 2014.

Can Laboulbeniales fungi help in the biological control of the invasive *Harmonia axyridis*?
U.S. Department of Agriculture, Agricultural Research Service, Byron GA. 24 October
2013.

Laboulbeniales: an ecological approach. *Invited presentation*, Boston Mycological Club,
Cambridge, MA. 4 March 2013.

Laboulbeniales (Fungi-Ascomycota) on insects. [In Dutch]. *Invited presentation*, Brabant
Museum of Nature, Tilburg (The Netherlands). 25 October 2011.

X. SCHOLARLY PRESENTATIONS AND SYMPOSIA [presenter, *mentee author]

Losey J, Gill H, **Haelewaters D**. Global decline in ladybird diversity: Causes and
consequences. Oral presentation, XXVI International Congress of Entomology, Helsinki
(Finland). 18-23 July 2022.

Soares AO, Brown P, Roy H, Grez A, **Haelewaters D**, Nedvĕd O, Omkar, Pervez A, Mishra G,
Losey J. Assessing the conservation status of ladybirds: A roadmap towards conservation.
Oral presentation, XXVI International Congress of Entomology, Helsinki (Finland). 18-23
July 2022.

Haelewaters D, Ngumbi E. #SciComm for scientists who work with insects. Symposium co-
organizer and moderator, XXVI International Congress of Entomology, Helsinki
(Finland). 18-23 July 2022.

Haelewaters D. Conservation of ladybirds. Symposium organizer and moderator, XXVI
International Congress of Entomology, Helsinki (Finland). 18-23 July 2022.

*de Groot MD, **Haelewaters D**. Parasitized parasites of bats: a tritrophic system. Oral
presentation, Benelux Congress of Zoology, Katholieke Universiteit Leuven, Campus
Kortrijk (Belgium). April 2022.

2021

Haelewaters D. Can we control invasive populations of *Harmonia axyridis* using its natural
enemies? Oral presentation, 30th International Congress for Conservation Biology, Kigali
(Rwanda). 14 December 2021.

*Dumolein I, Hiller T, Martin TE, Medina-van Berkum P, Verbeken A, **Haelewaters D**. The
bat as a house for different residents: a tritrophic survey of bats, flies, and fungi in a
Honduran cloud forest. Oral presentation, Botany 2021 Virtual. 18-23 July 2021.

Fatemi S, **Haelewaters D**, Urbina H, Eckert E, Gómez Zapata PA, Pruitt RE, Aime MC. A
basidiomycetous red yeast, *Sporobolomyces* sp. nov., and its implications for human
health. Poster presentation, Botany 2021 Virtual. 18-23 July 2021.

Grupe II AC, Weier A, Smith ME, **Haelewaters D**, Quandt A. New species and lineages of
Leotiomycetes from South America. Poster presentation, Botany 2021 Virtual. 18-23 July
2021.

Haelewaters D, *Stallman J, Liu J, Aime MC. *Polydiscidium martyinii*—an enigmatic fungus
placed onto the Ascomycota Tree of Life. Poster presentation, Botany 2021 Virtual. 18-23
July 2021.

Haelewaters D, *de Groot MD, Hiller T, Nedvĕd O, Aime MC. What parasites like: abiotic
factors influencing the occurrence of Laboulbeniales fungi. Oral presentation, Botany 2021
Virtual. 18-23 July 2021.

Jakob S, Roy BA, Swearingen C, Vandegrift R, Vellinga EC, **Haelewaters D**. The Rare 10
Challenge, a community-science project documenting rare and threatened fungi in service
of conservation. Oral presentation, Botany 2021 Virtual. 18-23 July 2021.

Melie T, **Haelewaters D**, Quandt CA. Genome scale phylogeny and increased taxon sampling
resolve the major relationships within class Leotiomycetes. Poster presentation, Botany
2021 Virtual. 18-23 July 2021.

2020

*de Groot MD, **Haelewaters D**. Parasites of parasites: Laboulbeniales fungi on bat flies on
bats. Bat Science Stage – #BatFest. Bat Conservation Trust. 30 September 2020.

- Quandt CA, Melie T, **Haelewaters D**. The road to a stable phylogeny of the Leotiomycetes. Poster presentation, Mycological Society of America's First Virtual Meeting. 22 July 2020.
- *Liu J, **Haelewaters D**, Aime MC. A new species of bat fly-associated Laboulbeniales revealed by morphology, molecular data, and host association. Poster presentation, Mycological Society of America's First Virtual Meeting. 22 July 2020.
- Haelewaters D**. Does habitat influence parasitism of parasites? Online presentation, World Bat Twitter Conference #WBTC1. 29 May 2020.

2019

- Fatemi S, **Haelewaters D**, *Houston ML, Aime MC. The Lettuce Mycobiome: A common undescribed species of red yeast from the romaine lettuce phylloplane. Poster presentation, Annual USDA-CFSE Research Planning Meeting, West Lafayette IN. 29 October 2019.
- Haelewaters D**, Fatemi S, *Houston ML, Aime MC. The Lettuce Mycobiome: different sequencing platforms to characterize fungal microbiota of Romaine lettuce. Poster presentation, Annual USDA-CFSE Research Planning Meeting, West Lafayette IN. 29 October 2019.
- Haelewaters D**, Martin TE. Bat fly-associated fungi: current developments and a call for global collaborations. Oral presentation, 49th North American Symposium on Bat Research, Kalamazoo MI. 26 October 2019.
- Haelewaters D**, Fatemi S, *Houston ML, Aime MC. Characterizing fungal microbiota of Romaine lettuce using Sanger and next-generation sequencing platforms. Poster presentation, 18th Congress of European Mycologists, Warsaw-Białowieża (Poland). 17 September 2019.
- Haelewaters D**. Patterns of speciation in thallus-forming Laboulbeniomycetes. Oral presentation, 18th Congress of European Mycologists, Warsaw-Białowieża (Poland). 16 September 2019.
- Haelewaters D**, Aime MC. *We don't know what we eat!* Oral presentation, Purdue University Center for Food Safety Engineering, West Lafayette IN. 22 August 2019.
- Haelewaters D**, *Houston ML, Aime MC. Chopping up lettuce: changing fungal communities in response to management treatments, and implications for human health. Oral presentation, Mycological Society of America Annual Meeting, Minneapolis MN. 10-14 August 2019.
- Haelewaters D**, Kasson MT, Jusino MA. Animal-associated fungi: from parasitism to mutualism. Symposium organizer and moderator, Mycological Society of America Annual Meeting, Minneapolis MN. 10-14 August 2019.
- *Dirks AC, **Haelewaters D**. Diversity on the continental edge: Taxonomic investigations into the poorly studied corticioid fungi at the Boston Harbor Islands reveal undescribed species and new reports for North America. Poster presentation, Mycological Society of America Annual Meeting, Minneapolis MN. 10-14 August 2019.
- Jumbam B, **Haelewaters D**, Koch RA, Dentinger BTM, Henkel TW. A new and unusual species of *Hericium* from the Dja Biosphere Reserve, Cameroon. Poster presentation, Mycological Society of America Annual Meeting, Minneapolis MN. 10-14 August 2019.
- Szentiványi T, Pfliegler WP, Sándor AD, Christe P, Glairot O, Blackwell M, **Haelewaters D**. Distribution, host specificity, and variation in *Arthrorhynchus nycteribiae* and *A. eucampsipodae* (Laboulbeniomycetes), an update. Poster presentation, 18th International Bat Research Conference. Phuket, Thailand. 28 July-1 August 2019.
- Haelewaters D**, Aime MC. Chopping up lettuce: niche exploitation by mold communities in response to management regimes. Poster presentation, Purdue University Microbiome Symposium, West Lafayette IN. 13 May 2019.
- *Houston ML, **Haelewaters D**, Aime MC. Romaine lettuce: A source of undescribed fungal diversity. Poster presentation, Purdue Undergraduate Research Conference, West Lafayette IN. 9 April 2019.

Haelewaters D, Aime MC. The fungal microbiome of Romaine lettuce: current progress and challenges. Oral presentation, USDA/ARS/FSIS Food Safety Meeting, Shepherdstown WV. 21 February 2019.

2018

- Villarreal R**, Verhaeghen S, Ríos R, Bernal J, **Haelewaters D**. Nuevos registros de Laboulbeniales para Panamá. Oral presentation, XVII Congreso Nacional de Ciencia y Tecnología, Ciudad de Panamá (Panama). 25 October 2018.
- ***Cocherán K**, Villarreal R, Hofmann T, Bernal J, **Haelewaters D**. Infestación de Laboulbeniales (Fungi: Ascomycota) en moscas ectoparásitas (Insecta: Diptera) de murciélagos en Gamboa, Panamá. Poster presentation, XVII Congreso Nacional de Ciencia y Tecnología, Ciudad de Panamá (Panama). 23-26 October 2018.
- ***Gaitán L**, Villarreal R, Bernal J, Hofmann T, **Haelewaters D**. Laboulbeniales en carábidos (Coleoptera; Carabidae) en el sendero Los Quetzales, Chiriquí, Panamá. Poster presentation, XVII Congreso Nacional de Ciencia y Tecnología, Ciudad de Panamá (Panama). 23-26 October 2018.
- ***González L**, Villarreal R, Bernal J, Hofmann T, **Haelewaters D**. Morfometría de *Laboulbenia perplexa* Thaxt. (Ascomycota, Laboulbeniales) en *Galerita championi* Bates (Carabidae, Galeritini). Poster presentation, XVII Congreso Nacional de Ciencia y Tecnología, Ciudad de Panamá (Panama). 23-26 October 2018.
- ***Gutiérrez K**, Villarreal R, Bernal J, Hofmann T, **Haelewaters D**. Laboulbeniales en estafilínidos (Coleoptera: Staphylinidae) en el sendero Los Quetzales, Chiriquí, Panamá. Poster presentation, XVII Congreso Nacional de Ciencia y Tecnología, Ciudad de Panamá (Panama). 23-26 October 2018.
- Haelewaters D**, *Pan FY, *Pan JY. Tracking an ectoparasitic fungus of *Harmonia axyridis* in North America using literature records and citizen science data. Poster presentation, IOBC-WPRS Working Group Meeting, Ponta Delgada, Azores. 13 September 2018.
- Haelewaters D**. *Hesperomyces "harmoniae"* nom. prov. (Laboulbeniales), an ectoparasitic fungus specific to *Harmonia axyridis*. Oral presentation, IOBC-WPRS Working Group Meeting, Ponta Delgada, Azores. 12 September 2018.
- Pfliegler WP**, Imre A, Makó R, **Haelewaters D**. Gut-inhabiting and ectosymbiotic arthropod-associated fungi from a neotropical rainforest, including two new species of yeasts. Poster presentation, 11th International Mycological Congress, San Juan PR. 20 July 2018.
- Haelewaters D**. Boosting diversity in mycology. Symposium organizer and moderator, 11th International Mycological Congress, San Juan PR. 20 July 2018.
- Cheeke TE**, Branco S, **Haelewaters D**, Natvig DO, Maltz M, Cantrell Rodriguez S, Cafaro MJ, May G. Diversity in the Mycological Society of America. Oral presentation, 11th International Mycological Congress, San Juan PR. 20 July 2018.
- Mayers CG**, **Haelewaters D**, Stajich JE, Blackwell M. Where do you fit in the mycological genealogy? Poster presentation, 11th International Mycological Congress, San Juan PR. 18 July 2018.
- Gorczak M**, **Haelewaters D**, Istel L, Okrasinska A, Wrzosek M. Unearthing ephemeral mycoparasites – molecular studies of Pyxidiophorales (Laboulbeniomycetes, Ascomycota). Poster presentation, 11th International Mycological Congress, San Juan PR. 18 July 2018.
- Haelewaters D**, Pfister DH. *Herpomyces* (Laboulbeniomycetes): a new order and a new species spread through pet trade. Poster presentation, 11th International Mycological Congress, San Juan PR. 17 July 2018.
- Gorczak M**, **Haelewaters D**, Pfliegler W, Wrzosek M. Simplify and become a parasite. Lessons from Laboulbeniomycetes (Ascomycota, Fungi). 5th Young Natural History Scientists' Meeting, Paris (France). 6-10 March 2018.

2017

Haelewaters D, Hiller T. Bats, bat flies, and Laboulbeniales fungi from the Chucantí Nature Reserve in eastern Panama. Oral presentation, 47th North American Symposium on Bat Research, Knoxville TN. 19 October 2017.

Haelewaters D. Murciélagos, moscas en murciélagos y hongos Laboulbeniales: un modelo para estudiar hiperparasitismo. Oral presentation, III Congreso Científico, Universidad Autónoma de Chiriquí, David (Panama). 15 August 2017.

Haelewaters D, **Pfliegler WP**, *Gorczak M, Pfister DH. Laboulbeniomycetes fungal ectoparasites of cockroaches: three-gene phylogeny and implications. Oral presentation, Evolution Annual Meeting, Portland OR. 23-27 June 2017.

Pfliegler WP, **Haelewaters D**, **Báthori F**, Zimmerman CU, Tartally A. *Rickia wasmannii*, a fungal ectoparasite of *Myrmica* ants, is a single phylogenetic species based on ribosomal DNA. Poster presentation, 7th Central European Workshop of Myrmecology, Krakow (Poland). 21-24 April 2017.

Haelewaters D, **Albert M**. The Boston Harbor Islands ATBI: Focus on Fungi. Oral presentation, Boston Harbor & Islands Science Symposium, Northeastern University, Boston MA. 12 April 2017.

2016

Villarreal R, **Haelewaters D**, Kirschner R, Hofmann T, Bernal J. Estudios de Laboulbeniales en Chiriquí, Panamá. Poster presentation, Primer Congreso de Ciencia y Tecnología, David (Panama). 7 November 2016.

Haelewaters D, **Page RA**. Laboulbeniales fungal ectoparasites on bat flies in Gamboa, Panama. Poster presentation, STRI Science Symposium, Tupper Center, Ancón (Panama). 26 October 2016.

Villarreal R, **Haelewaters D**, Kirschner R, Hofmann T, Bernal J. Hongos asociados a insectos: un aporte al conocimiento de la biodiversidad. Poster presentation, XVI Congreso Nacional de Ciencia y Tecnología, Ciudad de Panamá (Panama). 19-22 October 2016.

Haelewaters D, Santamaría S, Pfister DH, Enghoff H, Reboleira ASPS. Laboulbeniales fungal ectoparasites on cave arthropods: remarkable models for ecology and evolution. Poster presentation, XXV International Congress of Entomology, Orlando FL. 30 September 2016.

Haelewaters D, **Pfliegler WP**, Camacho JC, Page RA, Dick CW, **Pfister DH**. Laboulbeniales on bat flies: three independent origins of host associations. Poster presentation, MassMyc regional meeting, University of Massachusetts, Amherst MA. 24 September 2016.

Cheeke TE, Branco S, **Haelewaters D**, Natvig DO, Maltz M, Cantrell Rodriguez S, May G. Diversity in the Mycological Society of America. Poster Presentation, Mycological Society of America Annual Meeting, Berkeley CA. 8 August 2016.

Haelewaters D, Pfister DH. Molecular analysis reveals host-associated diversity in a microscopic fungal parasite. Oral presentation, Mycological Society of America Annual Meeting, Berkeley CA. 8 August 2016.

Haelewaters D. Visualization of microscopic fungal parasites through time: from line drawings to PPC-SR μ CT. Poster presentation, Simmons Awards Symposium, Harvard Center for Biological Imaging, Cambridge MA. 10 June 2016.

Haelewaters D. Ten years of research at the Boston Harbor Islands National Park. Session organizer and moderator, Northeast Natural History Conference, Springfield MA. 23 April 2016.

***Kappler L**, Albert M, **Haelewaters D**. A Fungal Biodiversity Inventory of the Boston Harbor Islands. Oral presentation, Northeast Natural History Conference, Springfield MA. 23 April 2016.

Rykken JJ, **Haelewaters D**, Farrell BD, Albert M. Current state of the All Taxa Biodiversity Inventory (ATBI) project at the Boston Harbor Islands National Recreation Area. Oral presentation, Northeast Natural History Conference, Springfield MA. 23 April 2016.

Camacho J, Heyde A, Bhullar BAS, **Haelewaters D**, Simmons NB, Abzhanov A. The evolution and development of diverse and adaptive skull shapes in New World leaf-nosed

bats. Oral presentation, Society for Integrative & Comparative Biology Annual Meeting, Portland OR. 6 January 2016.

2015

Haelewaters D, *Wang TW, Pfister DH. Current Laboulbeniales research: developing a model for parasite-host interactions and studying specialist fungi on cockroaches. Poster presentation, Life Sciences Undergraduate Research Fair, Cambridge MA. 12 November 2015.

Camacho JC, Heyde A, Bhullar BA, **Haelewaters D**, Simmons N, Abzhanov A. Evolution by terminal addition generates diverse and adaptive skull shapes of phyllostomid bats. Oral presentation, 45th North American Symposium on Bat Research, Monterey CA. 29 October 2015.

Gorczak M, Pfliegler WP, Tartally A, Tischer M, Pfister D, Wrzosek M, **Haelewaters D**. Preliminary studies on molecular phylogeny of Laboulbeniales. Oral presentation, XVII Congress of European Mycologists, Madeira, Portugal. 24 September 2015.

Haelewaters D, Shapiro-Ilan DI, Cottrell TE. Will dual fungal infections increase *Harmonia axyridis* mortality in natural populations? Oral presentation, Joint International Conference "Botany 2015", Edmonton, Alberta (Canada). 28 July 2015.

Haelewaters D, Pfister DH. Cryptic diversity in the *Hesperomyces virescens* species complex (Ascomycota, Laboulbeniomycetes, Laboulbeniales). Poster presentation, Joint International Conference "Botany 2015", Edmonton, Alberta (Canada). 27 July 2015.

*Wang TW, **Haelewaters D**, Pfister DP. *Herpomyces chaetophilus*, a new record of Laboulbeniales for North America. Oral presentation, New England Botanical Club 120th Anniversary Research Conference, Smith College, Northampton MA. 6 June 2015.

Haelewaters D, Shapiro-Ilan DI, Cottrell TE. Will dual fungal infections increase *Harmonia axyridis* mortality in natural populations? Oral presentation, IOBC-WPRS Working Group Meeting, Bornholm, Denmark. 13 May 2015.

Baral HO, **Haelewaters D**, Pärtel K. A new attempt to classify the families of the Helotiales. Poster presentation, Second International Workshop on Ascomycete Systematics, Amsterdam, The Netherlands. 22-24 April 2015.

Blackwell M, **Haelewaters D**. Laboulbeniomycetes: Alga? Worm? Fungus? Oral presentation, Second International Workshop on Ascomycete Systematics, Amsterdam, The Netherlands. 24 April 2015.

2014

Haelewaters D, *Park J, Pfister DH. *Hesperomyces virescens*, species complex. Oral presentation, MassMyco regional meeting, Harvard Forest, Petersham MA. 11 October 2014.

*Wang TW, **Haelewaters D**, De Kesel A, Pfister DH. Harvard cockroach hosts new record of Laboulbeniales. Poster presentation, MassMyco regional meeting, Harvard Forest, Petersham MA. 11 October 2014.

Haelewaters D. Fungal functional traits in a changing world. Moderator, MSA Student Section-organized symposium, Mycological Society of America Annual Meeting, East Lansing MI. 7-11 June 2014.

Uehling JK, Lee S, Adams C, Maltz MR, **Haelewaters D**. MSA Student Section 2014 - Fungal functional traits. Poster presentation, Mycological Society of America Annual Meeting, East Lansing MI. 7-11 June 2014.

2013

Haelewaters D, Zhao SY, De Kesel A, Pfister DH. The Laboulbeniales of the Boston Harbor Islands. Poster presentation, American Phytopathological Society and Mycological Society of America Joint Meeting, Austin TX. 10-14 August 2013.

Haelewaters D, Pfister DH. Two new species of *Diphymyces* (Laboulbeniales) from Borneo. Poster presentation, American Phytopathological Society and Mycological Society of America Joint Meeting, Austin TX. 10-14 August 2013.

2012

Haelewaters D, De Kesel A, Pfister DH. Two new species of Laboulbeniales (Fungi, Ascomycota). Poster presentation, MassMyco regional meeting, Clark University, Worcester MA. 27 October 2012.

XI. SELECTED POPULAR SCIENCE PUBLICATIONS

- Haelewaters D. 2021. Danny back@ugent [in Dutch]. *Sporen* 14(3): 14-16.
- Haelewaters D. 2020. Een nieuwe soort voor de wetenschap dankzij Twitter [in Dutch]. *Scientias.nl*. Available from: <https://www.scientias.nl/een-nieuwe-soort-voor-de-wetenschap-dankzij-twitter/>.
- Haelewaters D, Romero-Olivares A. 2019. In fieldwork, other humans pose as much risk to LGBTQIA+ people as the elements. *But there are steps allies can take to help*. *Massive Science*. Available from: <https://massivesci.com/notes/diversity-fieldwork-field-work/>.
- Haelewaters D. 2019. Capturing bats to find fungi on flies. *ReVista*. Available from: <https://revista.drclas.harvard.edu/capturing-bats-to-find-fungi-on-flies/>.
- Pfliegler WP, Haelewaters D. 2016. Parasites of parasites: blood-sucking bat flies infected with enigmatic Laboulbeniales fungi. *Friends of the Farlow Newsletter* 67: 12-13.
- Haelewaters D, Verhaeghen S. 2016. Expecting the unexpected: Looking for lady beetles and their parasites. *ReVista* 15(1): 30.
- Noordijk J, Haelewaters D, Boer P. 2016. Beschimmelde mieren [in Dutch]. *Natuurbericht*. Available from: <https://www.naturetoday.com/intl/nl/nature-reports/message/?msg=22595>.
- Haelewaters D. 2013. De rol van tijdelijke soortvorming in evolutie [in Dutch]. *Scientias.nl*. Available from: <https://www.scientias.nl/de-rol-van-tijdelijke-soortvorming-evolutie/>.
- Haelewaters D. 2013. *Hebeloma*, pioneer genus in forensic mycology. *FUNGI Magazine* 6(3): 47-48.
- Haelewaters. D. 2013. Gene Variants of a “stress” gene have profound impacts on health. *Science in the News*. Available from: <http://sitn.hms.harvard.edu/flash/2013/gene-variants-of-a-stress-gene-have-profound-impacts-on-health/>.
- Haelewaters D. 2013. Er was eens ... een opwarmende aarde [in Dutch]. *Scientias.nl*. Available from: <https://scientias.nl/er-was-eens-een-opwarmende-aarde/>
- Haelewaters D. 2013. Fatty acid-rich fish stocks: a sixth extinction crisis. *Science in the News*. Available from: <http://sitn.hms.harvard.edu/flash/2013/issue133b/>.
- Haelewaters D. 2012. *Exserohilum rostratum*, the killing fungus. *FUNGI Magazine* 5(5): 12-14.
- Haelewaters D. 2012. Levend licht: nieuwe hypothese rond bioluminescentie [in Dutch]. *EOS Magazine* 29(10): 20-21.

XII. TEACHING ACTIVITIES

Courses taught

- Fall 2021 Lecturer in Doctoral Schools Natural Sciences, (Bioscience) Engineering, and Life Sciences and Medicine (X000947: *Writing Academic Papers*).
- Fall 2021 Lecturer in Biology (C002777A: *Mycology: Basidiomycota*). Taught with Annemieke Verbeken.
- Fall 2016 Teaching Fellow in Organismic and Evolutionary Biology (OEB54: *Biology of the Fungi*). Taught with Donald H. Pfister. Recipient of Certificate of Distinction for Teaching Excellence.

- Spring 2016 Teaching Fellow in Organismic and Evolutionary Biology (OEB54: *Biology of the Fungi*). Taught with Donald H. Pfister.
- Fall 2015 Teaching Fellow in Organismic and Evolutionary Biology (OEB59: *Plants and Human Affairs*). Taught with Donald H. Pfister.
- Spring 2015 Teaching Fellow in Molecular and Cellular Biology (LS1b: *Genetics, + Spring 2014 Genomics, and Evolution*). Led three-hour laboratory sections with focus on in-class problem solving. Taught with Kevin Eggan, Hopi Hoekstra, Maryellen Ruvolo, Hopi Hoekstra, and Pardis Sabeti.

Workshops and short courses taught

- Summer 2017 Universidad Autónoma de Chiriquí, Herbario UCH, Panama: *DNA extraction techniques for Laboulbeniales fungi*, 1-day workshop, 12 August 2017, co-instructor. Hosted by Dr. Tina A. Hofmann.
- Summer 2016 Universidad Autónoma de Chiriquí, Panama: *Taller Internacional: Hongos asociados a insectos: Un aporte al conocimiento de la biodiversidad*, 5-day workshop (lectures, field trips, and laboratory), 25-29 July 2016, co-instructor. Hosted by Dr. Juan Bernal-Vega and M.Sc. Rosa Villarreal.

Students advised

Committee member for PhD students

Helen Law, Purdue University, January 2022-present

Michiel D. de Groot, Ghent University, November 2021-present, “Spotting and spreading of a fungal parasite on a globally invasive ladybird: explaining its worldwide distribution and biocontrol potential”

Frederik De Wint, Biology Centre of the Czech Academy of Sciences, September 2021-present, “Do entomopathogenic fungi drive arthropod diversity gradients via host negative density dependence?”

Nadia Nisha Musa, Universiti Kebangsaan Malaysia, January 2021-present, “Diversity and interaction study on Coccinellidae (Coleoptera) from several different landscapes in Peninsular Malaysia”

Jeffery K. Stallman, Purdue University, August 2020-present, “Leveraging tropical collections and molecular data to understand the biodiversity and evolutionary history of the Leotiomycetes (Ascomycota)”

Nathan Schoulteten, Ghent University, October 2019-present, “A hidden and sneaky strategy: mechanisms and importance of mycoparasitism in the evolution of Basidiomycota”

Committee member for Master students

Polina Mironova, Ghent University, September 2021-present, “Slime molds (Myxogastria) on agricultural crops”

Maartje Cathelyn, Ghent University, September 2021-present, “Exclusive for Africa: *Lactifluus* sect. *Pseudogymnocarpi*: creating order in the chaos”

Brianna M. Santamaria, Ghent University, Belgian American Education Foundation Fellow, September 2021-present, “How do biotic and abiotic factors affect parasitism? A case study with ectoparasitic Laboulbeniales fungi”

Maarten Lubbers, Leiden University, March–August 2021, “Peculiar parasites: on the ecology and genetics of Laboulbeniales”

Ganna Suvorova, Erasmus Mundus Masters Course in Tropical Biodiversity and Ecosystem, December 2020-present, “Effects of biotic and abiotic traits on a hyperparasite system of bats, bat flies and Laboulbeniales fungi in the tropics”

Michiel D. de Groot, Leiden University, June 2020–May 2021, “Laboulbeniales hyperparasites of bat flies: distributions, host specificity, and abiotic traits”

Iris Dumolein, Ghent University, Department of Biology, February 2020-September 2021, “The bat as a house for different residents: a tritrophic survey of bats, flies, and fungi in a Honduran cloud forest”

Shanice De Weggheleire, University of Antwerp, Department of Biology, September 2018-August 2019, “Biodiversity of the genus *Laboulbenia*: are there cryptic species?”

Undergraduate students

Simon Verdegem, Ghent University, February-April 2021, bachelor thesis “DNA barcoding of Fungi collected at the Boston Harbor Islands, Massachusetts”

Warre Van Caenegem, Ghent University, February-April 2021, bachelor thesis “Hyperparasitic interactions of Laboulbeniales on bat flies in Trinidad and Panama and the description of two new species of *Gloeandromyces*”

Polina Mironova, Ghent University, February-April 2020, bachelor thesis “Een morfologische studie van *Arthrorhynchus nycteribiae* (Laboulbeniales)”

Alexis M. O’Brien, Purdue University College of Agriculture, January-October 2020

Joseph R. Gerteisen, Purdue University College of Agriculture, August-December 2019

Makenna L. Houston, Purdue University College of Agriculture, January 2019-December 2019

Kristel Cocherán, Universidad Autónoma de Chiriquí, August 2017-present

Joel Trejos, Universidad Autónoma de Chiriquí, August 2017-present

Kevin Bao, Harvard College, September 2016-April 2017

Nadia L. Urrea, Harvard College, September 2016-April 2017

Laura Gaitán, Universidad Autónoma de Chiriquí, August 2016-December 2020

Katherin Gutierrez, Universidad Autónoma de Chiriquí, August 2016-December 2020

Leila Gonzalez, Universidad Autónoma de Chiriquí, July 2016-present

Christopher Chen, Harvard College, summer 2016

Julie Park, Harvard College, May 2014-January 2015

Tristan W. Wang, Harvard College, January 2014-May 2016, senior thesis “*Herpomyses*: phylogeny, taxonomy, and ecology of a fungal genus parasitic on cockroaches”

Rebecca E. Handlin, Harvard College, May-December 2013

High school students

Fred Y. Pan, Phillips Academy, Massachusetts, May 2017-May 2018

Jeffrey Y. Pan, Reading Memorial High School, Massachusetts, May 2017-May 2018

Isabel R. Royer, Lexington High School, Massachusetts, December 2013-May 2014

Interns and field assistants

Jingyu Liu, research assistant, post-graduate from Purdue University College of Agriculture, August 2019-November 2020

Annabel Dorrestein, field assistant, post-graduate from Utrecht University, summer 2017

Lauren A. Meckler, field assistant, University of Delaware, summer 2017

Kirk A. Silas, field assistant, Bat Conservation and Management, summer 2017

Melissa J. Walker, field assistant, La Trobe University, summer 2017

Alden C. Dirks, intern from Boston Harbor Now, Massachusetts, February-May 2017

Michał Gorczak, intern from University of Warsaw, October-December 2016

Rachel Moon, field assistant, post-graduate from Harvard College, Alex G. Booth Traveling Fellow, summer 2016

Lara A. Kappler, intern from University of Massachusetts Boston, June 2015-May 2016

Edgar Franck, intern from University of Massachusetts Boston, summer 2014

XIII. FIELD EXPERIENCE

2021 Croatia: Krka National Park

2019 Honduras: Cusuco National Park

2015-2019	Panama: Chiriquí (Boquete, David, Parque Nacional Volcán Barú, Potrerillos Abajo, Reserve Forestal de Fortuna, Volcán), Colón (Gamboa, Parque Nacional Soberanía), Darién (Chucanti Nature Reserve), Panamá Oeste (Barro Colorado Island)
2014	Peninsular Malaysia
2012-2018	Boston Harbor Islands National Recreation Area, Massachusetts, USA
2012	Costa Rica

XIV. PROFESSIONAL SERVICE

Peer reviewer

Acta Mycologica, Agriculture, Annales Botanici Fennici, Aquatic Insects, Asian Journal of Biology, Biharean Biologist, Biodiversity Data Journal (4×), Biological Invasions (5×), Biological Journal of the Linnean Society, Biotechnology Journal International, Diversity, Ecological Entomology, Ecology and Evolution, Environmental Microbiology, Forests, Fungal Biology (4×), Fungal Ecology, Fungal Systematics and Evolution (2×), Genome Biology and Evolution, Heliyon, Horticulturae, Insects (6×), International Journal of Biological Macromolecules, Journal of Animal Diversity, Journal of Bat Research & Conservation, Journal of Fungi, Journal of Hymenoptera Research (2×), Journal of Insect Science, Journal of Invertebrate Pathology, Microbial Ecology, Mycologia (3×), MycoKeys (3×), Mycological Progress (4×), Mycotaxon (5×), NeoBiota, Nova Hedwigia (2×), Parasite (2×), Pathogens, Phytopathology, Phytotaxa, Plants, PLoS One (3×), PLoS Pathogens (2×), Redia, Scientific Reports, Sydowia, Water, Willdenowia

Editorial positions

2021-present	Editorial Board member, <i>Mycological Progress</i>
2020-present	Associate Editor, <i>IMA Fungus</i>
2020-present	Member of Board of Editors, <i>Neotropical Naturalist</i>
2020-present	Subject Editor, <i>Biodiversity Data Journal</i>
2020	Guest Editor, <i>Mycologia</i> 112(6) (Special Issue: Animal-Associated Fungi)
2019-present	Editorial Board member, <i>Parasite</i>
2019-present	Editorial Board member, <i>Sydowia</i>
2019-present	Subject Editor, <i>MycoKeys</i>
2018-2021	Special Issue Editor, <i>Northeastern Naturalist</i> 25(Special Issue 9) (Boston Harbor Islands National Recreation Area: Overview of Recent Research)
2018-2019	Editor, <i>IOBC-WPRS Bulletin</i> volumes 137, 145

University service

2021-2022	Member, Diversity Team, Faculty of Sciences, Ghent University
2021-2022	Member, Study Program Committee, Department of Biology, Ghent University
2016-2017	Member, Admissions Committee, <i>Programa de Maestría en Biología con Especialización en Biología Vegetal</i> , Herbario UCH, Universidad Autónoma de Chiriquí, Panama

Elected offices in professional societies

2014-2018	Councilor, New England Botanical Club
2012-2016	Communication Chair/Vice Chair/Chair/Past-Chair, Mycological Society of America Student Section

Other services to professional societies

2019-present	Member and Chair (2021-2022), Electronic Communication & Web Page Management Committee, Mycological Society of America
2018-present	Deputy Convenor, IOBC-WPRS Working Group “Benefits and Risks of Exotic Biological Control Agents”

2018-present	Member, Ladybird Specialist Group, International Union for Conservation of Nature (IUCN) Species Survival Commission
2018-2019	Member, Conservation Committee, Mycological Society of America
2016-2018	Member and Chair (2017-2018), Diversity and Inclusion Committee, Mycological Society of America
2015-2017	Student Representative, Conservation Committee, Mycological Society of America
2015-2016	Founding member, <i>ad-hoc</i> Diversity Committee, Mycological Society of America
2014-2018	Secretary, First Dutch School in Boston, Jamaica Plain, Massachusetts
2014-2018	Chair, Website & Social Media Committee, News England Botanical Club
2014-2017	Student Representative, Electronic Communication & Web Page Management Committee, Mycological Society of America
2014-2015	Student Representative, Program Committee, Mycological Society of America

XV. ADDITIONAL COURSEWORK/CERTIFICATES

2018	IUCN Red List Training Workshop, University of the Azores, Ponta Delgada, Azores, Portugal
2018	Certificate in Latin American Studies, David Rockefeller Center for Latin American Studies, Cambridge MA
2018	Teaching Certificate, Harvard University Derek Bok Center for Teaching and Learning, Cambridge MA
2018	Undergraduate Mentoring Workshop Series, Harvard University, Science Education Office, Cambridge MA
2015	Introduction to R Programming, Microsoft & edX
2014	Wilderness First Aid workshop, Stonehearth Open Learning Opportunities
2013	Workshop on Molecular Evolution, Marine Biological Laboratory, Woods Hole MA
2010	Degree in Journalism, Centrum voor Afstandsonderwijs, Antwerp, Belgium

XVI. TAXONOMIC NOVELTIES

Order

Herpomycetales Haelew. & Pfister, *Index Fungorum* 382: 1 (2018)

Family

Chrysodiscaceae Baral & Haelew., *Mycol Monten* 20: 81 (2019)

Genera

Annabella Fryar, Haelew. & D.E.A. Catches, *Mycol Prog* 18: 975 (2019)

Gloeandromyces Thaxt. ex Haelew., *Sydowia* 72: 328 (2020)

Inopinatum Haelew. & Aime, *Int J Syst Evol Microbiol* 71(article no. 4862): 5 (2021)

Rommelaarsia Baral & Haelew., *Ascomycete.org* 7: 323 (2015)

Pseudozeugandromyces De Kesel & Haelew., *Sydowia* 72: 291 (2020)

Species

Amanita mansehraensis M. Saba, Haelew. & Khalid, *Phytotaxa* 409: 196 (2019)

Annabella australiensis Fryar, Haelew., & D.E.A. Catches, *Mycol Prog* 18: 975 (2019)

Bordea denotata Haelew. & De Kesel, Nova Hedwig 98: 114 (2014)
Cantharomyces elongatus Haelew. & De Kesel, Mycotaxon 123: 468 (2013)
Columnomyces electri Haelew. & Perreau, Sci Reports 11(article no. 2672): 6 (2021)
Columnomyces hispaniolensis Haelew. & Perreau, Sci Reports 11(article no. 2672): 7 (2021)
Columnomyces pecki Haelew. & Perreau, Sci Reports 11(article no. 2672): 9 (2021)
Corethromyces bernardii Haelew. & W. Rossi, Mycologia 109: 657 (2017)
Diphymyces anthracinus Haelew. & W. Rossi, Mycologia 109: 657 (2017)
Diphymyces blackwelliae Haelew. & W. Rossi, Mycologia 109: 658 (2017)
Diphymyces costaricensis Haelew. & W. Rossi, Mycologia 109: 658 (2017)
Diphymyces dichromus Haelew. & W. Rossi, Mycologia 109: 660 (2017)
Diphymyces kaaistoepi Haelew. & De Kesel, Sterbeeckia 35: 63 (2019)
Diphymyces newtonii Haelew. & W. Rossi, Mycologia 109: 660 (2017)
Diphymyces obesus Haelew. & W. Rossi, Mycologia 109: 662 (2017)
Diphymyces perreai Haelew. & W. Rossi, Mycologia 109: 662 (2017)
Diphymyces polycarpus Haelew. & W. Rossi, Mycologia 109: 663 (2017)
Diphymyces sabahensis Haelew. & Pfister, Plant Ecol Evol 147: 94 (2014)
Diutina bernali Haelew., Pfliegler, Horváth & Imre, Fungal Divers 100: 239 (2020)
Diutina sipiczki Pfliegler, Haelew., Horváth & Imre, Fungal Divers 100: 239 (2020)
Gloeandromyces dickii Haelew., Fungal Syst Evol 3: 22 (2019)
Gloeandromyces hilleri Haelew. & Pfliegler, Mycologia 112: 1196 (2020)
Gloeandromyces pageanus Haelew., Nova Hedwigia 105: 272 (2017)
Herpomyces shelfordellae Pfliegler & Haelew., Mol Phylogenet Evol 133: 291 (2019)
Herpomyces spegazzinii A.C. Gut. & D. Haelew., Mycologia 112: 1186 (2020)
Hesperomyces halyziae Haelew. & De Kesel, MycoKeys 71: 31 (2020)
Hesperomyces parexochomi Mironova & Haelew., Persoonia (2021) (in press)
Inocybe brijunica Mešić, Tkalčec & Haelew., J Fungi 7(article no. 199): 6 (2021)
Laboulbenia bernaliana Haelew. & Santam., Sydowia 71: 176 (2019)
Laboulbenia bilobata Haelew. & W. Rossi, Mycologia 107: 143 (2015)
Laboulbenia camerunensis T.W. Wang & Haelew., Mycotaxon 131: 615 (2016)
Laboulbenia coccinellidicola Haelew., Nova Hedwig 105: 279 (2017)
Laboulbenia ephemerolacuna Kaishian & Haelew., J Mesoam Biol (2021) (in press)
Laboulbenia erotylidarum Haelew., Mycotaxon 129: 444 (2014)
Laboulbenia littoralis De Kesel & Haelew., Mycologia 106: 408 (2014)
Laboulbenia longipilis Haelew. & W. Rossi, Mycologia 107: 143 (2015)
Laboulbenia oioveliicola Haelew. & Gorczak, Sydowia 71: 177 (2019)
Laboulbenia pfisteri Haelew. & W. Rossi, Mycologia 107: 145 (2015)
Laboulbenia poplitea Haelew., Mycotaxon 129: 446 (2014)
Laboulbenia quarantanae De Kesel & Haelew., MycoKeys 71: 35 (2020)
Laboulbenia termiticola De Kesel & Haelew., Sydowia 71: 180 (2019)
Orbilbia renispora Y.Y. Shao, Quijada, Baral, Haelew. & Bin Liu, Mycol Prog (2018)
Papiliotrema fusca J.P. Samp., J. Inácio, Fonseca and Fell ex Haelew., J Fungi 7(article no. 277): 8 (2021)
Proptomaphagus alleni Perreau & Haelewaters [Coleoptera, Leiodidae], Sci Reports 11(article no. 2672): 5 (2021)
Pseudozeugandromyces tachypori De Kesel & Haelew., Sydowia 72: 291 (2020)
Rodaucea hermanii Haelew. & W. Rossi, Mycologia 109: 663 (2017)
Stammnaria yugrana Filippova, Haelew. & Baral, MycoKeys 32: 54 (2018)
Symmetrospora pseudomarina Haelew., Albu & Aime, Fungal Syst Evol 5: 192 (2020)
Trechispora hondurensis Schoutteten & Haelew., Sydowia 72: 296 (2020)
Trochila bostonensis Quijada & Haelew., MycoKeys 78: 30 (2021)
Trochila urediniophila Gomez-Zap., Haelew. & Aime, MycoKeys 78: 34 (2021)
Zodiomyces rhizophorus W. Rossi, Haelew. & Pfister, Mycologia 108: 713 (2016)

Combinations

Appendiculina gregaria (W. Rossi) Haelew. & Aime, Sydowia 72: 325 (2020)
Appendiculina scaptomyzae (Thaxt.) Haelew. & Aime, Sydowia 72: 325 (2020)
Aureobasidium bupleuri (Bills) Haelew. & Aime, J Fungi 7(article no. 277): 7 (2021)
Curvibasidium nothofagi (C. Ramírez & A.E. González) Haelew. & Aime, J Fungi 7(article no. 277): 8 (2021)
Hymenoscyphus equiseti (Raitv.) Baral, Pärtel, Haelew., Myhrer & Pennanen, Sydowia 74 (**in press**)
Inopinatum lactosum (E. Sláviková & Grab.-Łon.) Haelew. & Aime, Int J Syst Evol Microbiol 71(article no. 4862): 5 (2021)
Inosperma vinaceobrunneum (Matheny, Ovrebo & Kudzma) Haelew., Index Fungorum 436: 1 (2020)
Mallocybe erratum (E. Horak, Matheny & Desjardin) Haelew., MycoKeys 69: 24 (2020)
Pseudosperma alboflavellum (C.K. Pradeep & Matheny) Haelew., Index Fungorum 436: 1 (2020)
Pseudosperma friabile (Matheny & Kudzma) Haelew., Index Fungorum 436: 1 (2020)
Pseudosperma neglectum (E. Horak, Matheny & Desjardin) Haelew., MycoKeys 69: 25 (2020)
Symmetrospora oryzicola (Nakase & M. Suzuki) Haelew. & Aime, Fungal Syst Evol 5: 190 (2020)

Formae

Gloeandromyces pageanus f. *alarum* Haelew., Fungal Syst Evol 3: 26 (2019)
Gloeandromyces pageanus f. *polymorphus* Haelew., Fungal Syst Evol 3: 28 (2019)
Gloeandromyces streblae f. *sigmomorphus* Haelew., Fungal Syst Evol 3: 29 (2019)



Updated December 2021