ISHAM Working Group Annual Report 2022

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| 1. **Title of Working Group**
 |
| Onygenales |
| 1. **Name(s) of Coordinator(s) with email addresses**
 |
| Hazal Kandemir: hazalkandemr@gmail.comAnn Packeu: Ann.Packeu@sciensano.be Dusan Bozic: updbozic@gmail.com |
| 1. Website URL for external website (if relevant)
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| [www.onygenales.org](https://www.onygenales.org/about/)[www.isham.org/working-groups/onygenales](https://www.isham.org/working-groups/onygenales) |
| 1. **Objectives and expected outcomes for the forthcoming year**
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| 1) We will continue focusing on resolving the taxonomy where species limits are not clearly defined (e.g. *T. mentagrophytes complex*, species in *Gymnoascaceae*).2) We will search for new onygenalean species from different environmental and clinical sources.3) We will continue the surveillance of emerging antifungal resistance in dermatophytes.4) We will improve and increase the communication channels among the group members.5) We will organize an international workshop.  |
| 1. **Achievements of the Working Group in 2022 (250 words) 1-3**
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| 1) Several research products about the taxonomy and identification of the species in *Onygenales* have been published. 2) New members joined the Working Group. |
| 1. Publications arising from the Working Group
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| 1) Čmoková A, Kolařík M, Guillot J, Risco-Castillo V, Cabañes FJ, Nenoff P, Uhrlaß S, Dobiáš R, Mallátová N, Yaguchi T, Kano R, Kuklová I, Lysková P, Mencl K, Hamal P, Peano A, Hubka V. Host-driven subspeciation in the hedgehog fungus, *Trichophyton erinacei*, an emerging cause of human dermatophytosis. Persoonia - Molecular Phylogeny and Evolution of Fungi 2022;48:203-218(16).2) Aneke CI, Čmoková A, Hubka V, Rhimi W, Otranto D, Cafarchia C. Subtyping options for *Microsporum canis* using microsatellites and MLST: A case study from southern Italy. Pathogens. 2022;11(1):4.3) Kandemir H, Dukik K, de Melo Teixeira M, Stielow JB, Delma FZ, Al-Hatmi AMS, Ahmed SA, Ilkit M, de Hoog GS. Phylogenetic and ecological reevaluation of the order *Onygenales*. Fungal Diversity 2022;115:1–72. |
| 1. Funding provided by ISHAM in the past 3 years (Budget and year)
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| **2020:** 5000 CHF (workshop “Basic and clinical research advances in dermatophytes and dimorphic fungi” organized in Prague, Czech Republic) **2021:** None**2022:** None |

1 The achievement arising from the Working Group with acknowledge its status within ISHAM by explicitly including the phrase “ISHAM Working Group” in all public and professional publications, workshop programs, lectures, its website or similar activities.

2 Achievements of the Working Group include but not limited to the following:

* meeting/workshop/training course/symposium of the working group,
* peer-reviewed publication,
* presentation (symposium, oral or poster paper) from working group during ISHAM congress,
* contribute material to the main ISHAM website and its regular newsletter.
* Increase ISHAM members, strengthen link between ISHAM and working group, and enhance visibility of ISHAM.

3 Supporting information for achievements are welcome.