

Alicja Okraśńska

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Education

2018-now	PhD Biology Faculty of Biology, University of Warsaw
2013-2019	MSc Psychology College of Inter-Faculty Individual Studies in Mathematics and Natural Sciences, University of Warsaw
2016-2018	MSc Biology College of Inter-Faculty Individual Studies in Mathematics and Natural Sciences, University of Warsaw
2013-2016	BSc Biology College of Inter-Faculty Individual Studies in Mathematics and Natural Sciences, University of Warsaw

Professional experience

01.2022-present	principal investigator in research grant 'Together or alone? How endohyphal bacteria impact their fungal host' funded by National Science Centre
02.2021-02.2022	mycological and ecological evaluation for the National Fund for Environmental Protection
10.2019-04.2020	internship 'Diversity and phylogenomics of fungi from the genus <i>Mortierella</i> and research on their associated endobacteria' at Michigan State University (Gregory Bonito's lab)
05.2019-04.2020	principal investigator in research grant 'Diversity of endophytic Mucoromycota in non-vascular plants and closely related algae' funded by Faculty of Biology, University of Warsaw
6-19.01.2019	Workshop on Genomics in Český Krumlov
10.2018-present	secondary investigator in research grant 'Influence of soil contamination on the occurrence and diversity of Mucoromycota and their endosymbiotic bacteria' funded by National Science Centre (principal investigator: Julia Pawłowska, PhD)
03-09.2017	secondary investigator in research grant 'Evolution of carbon assimilation abilities within Mucorales representatives' funded by National Science Centre (principal investigator: Julia Pawłowska, PhD)
2016-2018	mycological and ecological evaluation for the National Fund for Environmental Protection
07-09.2016	internship at the Institute of Dendrology (Polish Academy of Sciences)
07-08.2014	internship at the Nencki Institute of Experimental Science (Polish Academy of Sciences)

Conference attendance

23-25.04.2021	Endohyphal bacteria of Mucoromycota representatives (talk in Polish) Mycorise Up! Youth in Mycology, virtual
9-11.12.2020	Linking soil contamination type with fungal community composition (talk) 10th Trends in Biodiversity and Evolution Conference, virtual
16-21.09.2019	Bacterial endosymbionts of Mucoromycota representatives (poster) 18th Congress of European Mycologists, Warsaw-Białowieża, Poland
23-25.05.2019	Could fungal-bacterial interactions have helped plants in land colonisation? (talk) PopBio 2019, Warsaw, Poland
12-13.04.2019	<i>Mortierella</i> and her endosymbiotic partners (talk in Polish) Mycorise Up! Youth in Mycology, Spała, Poland
12-16.03.2019	New lineages of endohyphal bacteria detected in land colonizing fungi (poster) 6th Young Natural History Scientists' Meeting, Paris, France

- 26-28.09.2018 Carbon assimilation profile in Mucorales. An image of their evolutionary history? (poster)
6th Polish Evolutionary Conference, Warsaw, Poland
- 16-21.07.2018 Fungal metabarcoding. Can it be a new archaeological tool? (poster)
11th International Mycological Congress, San Juan, Puerto Rico
- 25-27.06.2018 How high-throughput sequencing can help understand agriculture evolution? (talk)
Conference of Young Evolutionary Biologists, Cracow, Poland
- 29-30.06.2017 Fungi: molecular identification or metabarcoding – which method is better? (poster)
2nd Polish Symposium ‘Metagenomes of various environments’, Lublin, Poland

Awards

- 2019 group award for research team funded by Rector of the University of Warsaw
2017 stipend for best students funded by Polish Ministry of Science
2017 group award for research team funded by Rector of the University of Warsaw

Teaching experience

- 2019/20 & 2020/21 help with bioinformatics course for master’s students
2020/21 & 2021/22 help with biological diversity course for bachelor students

Popularization of Science

- 2022 ‘Biological Millionaires’ Workshop during Night of Biologists
2020 & 2021 movie preparation & presentation during Night of Biologists

Organizing experience

- 05.2022 head of the organizing committee of the MycoRise Up! Youth in Mycology Conference
04.2021 member of the organizing committee of the MycoRise Up! Youth in Mycology Conference
09.2019 member of the organizing committee of the 18th Congress of European Mycologists
05.2019 member of the organizing committee of the PopBio Conference

Publications

Muszevska A., **Okraśńska A.**, Steczkiewicz K., Drgas O., Orłowska M., Perlińska-Lenart U., Aleksandrak-Piekarczyk T., Szatraj K., Zielenkiewicz U., Piłsyk S., Malc E., Mieczkowski P., Kruszevska J.S., Bernat P., Pawłowska J. (2021). Metabolic potential, Ecology and Presence of Associated Bacteria Is Reflected in Genomic Diversity of Mucoromycotina, *Frontiers in Microbiology* 12.

Siedlecki I., Gorczak M., **Okraśńska A.**, Wrzosek M. (2021). Chance or Necessity – The Fungi Co-Occurring with *Formica polyctena* Ants, *Insects* 12(3).

Okraśńska A., Bokus A., Duk K., Gęsiorska A., Sokołowska B., Miłobędzka A., Wrzosek M., Pawłowska J. (2021). New Endohyphal Relationships between Mucoromycota and Burkholderiaceae representatives, *Applied and Environmental Microbiology* 87(7).

Haelewaters, D., **Okraśńska, A.**, Gorczak, M., Pfister, D. H. (2020). Draft Genome Sequence of the Globally Distributed Cockroach-Infecting Fungus *Herpomyces periplanetae* Strain D. Haelew. 1187d. *Microbiol Resour Announc* 9.

Pawłowska J., **Okraśńska A.**, Kisło K., Aleksandrak-Piekarczyk T., Szatraj K., Dolatabadi S., Muszevska A. (2019), Carbon assimilation profiles of mucoralean fungi show their metabolic versatility, *Scientific Reports* 9.

Banasiak Ł., Pietras M., Wrzosek M., **Okraśńska A.**, Gorczak M., Kolanowska M., Pawłowska J. (2019). *Aureoboletus projectellus* (Fungi, Boletales) – Occurrence data, environmental layers and habitat suitability models for North America and Europe. *Data in Brief* 23.

Banasiak Ł., Pietras M., Wrzosek M., **Okraśńska A.**, Gorczak M., Kolanowska M., Pawłowska J. (2019). *Aureoboletus projectellus* (Fungi, Boletales) – An American bolete rapidly spreading in Europe as a new model species for studying expansion of macrofungi. *Fungal Ecology* 39: 94-99.

Wijayawardene N.N., Pawłowska J., Letcher P.M., Kirk P.M., Humber R.A., Schüßler A., Wrzosek M., Muszewska A., **Okraśńska A.**, Istel Ł., Geşiorska A., Mungai P., Lateef A.A., Rajeshkumar K.C., Singh R.V., Radek R., Walther G., Wagner L., Walker C., Weerahewa D., Papizadeh M., Dolatabadi S., Lumyong S., Hyde K.D. (2018). Notes for genera – Basal clades of fungi (including *Basidiobolomycota*, *Blastocladiomycota*, *Caulochytriomycota*, *Chytridiomycota*, *Entomophthoromycota*, *Glomeromycota*, *Mucoromycota*, *Neocallimastigomycota*, *Olpidiomycota* and *Zoopagomycota*). *Fungal Diversity* 92(1), 43-129.

Wrzosek M., Motiejunaite J., Kasparavicius J., Wilk M., Mukins E., Schreiner J., Vishnevskiy M., Gorczak M., **Okraśńska A.**, Istel Ł., Pawłowska J. (2017). The progressive spread of *Aureoboletus projectellus* (Fungi, Basidiomycota) in Europe. *Fungal Ecology* 27, 134-136.