

INTERNATIONAL LICHENOLOGICAL NEWSLETTER

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The opinions expressed in the *Newsletter* are not necessarily those held by
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INTERNATIONAL ASSOCIATION FOR LICHENOLOGY

The **International Association for Lichenology (IAL)** promotes the study and conservation of lichens. It organizes symposia, field trips, and distributes a biannual newsletter. There is a listserv that enables on-line discussion of topics of interest. Webpages devoted to lichenology are also maintained by members of the Association. People wishing to renew their membership or become members of IAL are requested to pay their membership fee (one payment of 30 EUR or 40 USD for 2021-2026) using PayPal or by bank transfer. All details available at <http://www.lichenology.org/>.

The **International Lichenological Newsletter** is the official publication of IAL. It is issued twice a year (July and December) in English. The *Newsletter* is also available on the Internet. The *Newsletter* is divided into four main sections: 1) **Association news**: official information concerning the Association, such as minutes of Council meetings, proposals of Constitutional changes, new members, changes of addresses, etc. 2) **News**: information about lichenologists, institutional projects, herbaria, requests of collaboration, announcements of meetings, book reviews, etc. 3) **Reports**: reports of past activities, short lectures, obituaries, short historical novelties, etc. 4) **Reviews**: presentation of recent progress and other topics of interest in lichenology with optional discussion. When the material exceeds the available space, the Editor will prepare a summary, on prior agreement with the contributors.

Any information intended for publication should reach the Editor on or before June 10 and November 10 for inclusion in the July and December issues, respectively.

IAL affairs are directed by an Executive Council elected during the last General Meeting. Council members elected at the virtual IAL9 Symposium (Bonito, Brazil, 2021) are listed below, and will serve until 2026.

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ASSOCIATION NEWS

LETTER FROM THE PRESIDENT

Dear members of the IAL and friends,

It is with great pleasure that I am reporting that the IAL Council, with its affiliated committees (Communications and IDEA), have completed all the ongoing initiatives that I mentioned in the July 2022 issue of the ILN. The new IAL website (<https://ial-lichenology.org/>) is now live! I highly recommend to have a look and explore the website, if you have not done so already. As you will see, the IAL now has a voice on various social platforms (Facebook, Twitter, and Mastodon) as well as a dedicated YouTube channel.

On November 21, 2022, each member of the IAL should have received an email from the IAL Communications Committee inviting you to fill a survey prepared by the IAL IDEA committee. The main goal of this survey is to get a sense of the current state of our association, and suggestions to improve diversity, equity, and inclusivity. We want to foster a strong sense of belonging within the IAL for all lichenologists. We are also using this survey to obtain information to help us organize IAL10. Please take the time to fill this survey by the end of this year. If you did not receive this email and would like to take this survey, please use this link <https://forms.gle/BrDemWuY7YoPLcGq9>

The IAL has a new committee – the *Early Career Researcher* (ECR) committee. Starting January 2023, Ana Fávoro and Theo Llewellyn will be establishing this committee and planning events. This could include, for example, online talks featuring the latest results from research by student and postdoc members of the IAL. Workshops on next generation sequencing techniques and bioinformatics for enhancing research on lichens would likely be very popular among our members. If you are a graduate student, postdoc, or recently hired young professional lichenologist, this group is for you. Please do not hesitate to contact Ana (anafavarovga@gmail.com) and Theo (T.Llewellyn@kew.org) if you are interested to join this group, or you would like to know more about this new and exciting initiative.

The next big goal for the IAL Council is to improve communications between the IAL and local lichenological associations. As you will see on the IAL website (<https://ial-lichenology.org/lichenology-societies/>), we have a long list of lichenology societies distributed across the world. If you know other lichenology societies that would like to be included on this list, please contact Silvana Munzi (ssmunzi@fc.ul.pt). The IAL would like to establish a consulting group of English-speaking representatives from each of these societies to form a new committee within the IAL to help us establish a more inclusive IAL that is more representative of the international community of lichenologists. Please contact me if you are, or you know someone who might be, interested to serve as a liaison person for the IAL.

The IAL Council and Communications Committee have been working hard to update our list of members, which you can see on the IAL website (the password was sent to all current members of the IAL). Please look at this list to determine if you are a member. If not, I would greatly encourage you to become a member before the end of 2022. If someone that you know is not on this list, please don't hesitate to contact them. They might not be aware that they are not current members of the IAL. If you are a principal investigator or head of a research lab, you might want to have a look to see if members of your lab are IAL members. If not, why not provide a holiday or new year gift by giving them a membership to the IAL (<https://ial-lichenology.org/membership/>). Using that link you can also purchase gift memberships to support students and developing nations' colleagues. First contact Imke Schmidt (imke.schmitt@senckenberg.de) for more information on how to do this.

This has been a busy and tumultuous year. I wish you a peaceful, relaxing, and joyful Holiday Season and a wonderful New Year.

François Lutzoni, Durham, North Carolina

IAL COMMUNICATION

Since the end of 2021, when it was created, the IAL Communications Committee (aka ComCom) has been working hard to build the communication strategy of the International Association for Lichenology. We were well aware that we needed to show who we are and what we do, not only to IAL members, but to anyone interested in lichenology all over the world.

Our priorities included the creation of a new website and social media accounts that allow a fresher and more dynamic interaction with our members and the public.

The ComCom is composed by two co-chairs, Silvana Munzi and Toby Spribille, that work with Andreas Beck, Frank Bungartz, Roberto de Carolis, Ana Fávoro, Beata Guzow-Krzeminska, Nátalia Mossmann Koch, Theo Llewellyn, Yoshihito Ohmura, Marcela Caceres and, ex officio, Scott LaGreca, François Lutzoni, and Lucia Muggia. We are a diverse committee made up of members at different career stages and with different kinds of life experience, and we hope this contributes to designing a collective outreach strategy for the society that reaches people interested in lichens around the world.

The steps we went through in exploring possibilities for setting up a new website, including soliciting quotes (Nátalia), getting input on how the old one worked (Andreas), input from other platforms like CNALH (Frank), and decisions about website content and the presentation of a welcoming message (everyone) are an example of the collaborative environment in the group.

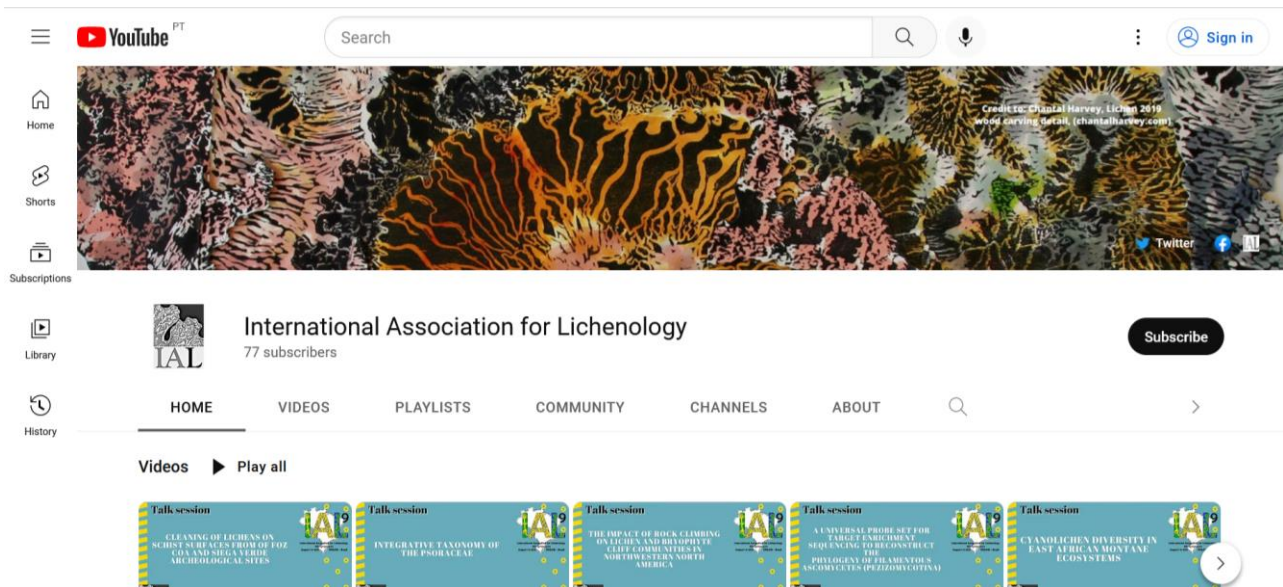
Many meetings and many hours of work later, we invite you to visit the website and follow us on several social media platforms.

[The IAL website](#)



The website provides in an intuitive and elegant way all the necessary information about the IAL, including its history and governance, news about awards past and future, symposia and upcoming workshops as well as the means to become a member. News is displayed on the homepage, together with the latest tweets and the links to our social media presence. Thanks to automated translation, the site can be accessed in many different languages. All the previous numbers of the newsletter are available in a dedicated section. We will regularly post updates about activities for our members.

We want to thank Drs. Dagmar Triebel, Andreas Beck, and their colleagues in Germany for establishing, updating, and maintaining the original IAL website for so many years.

[IAL YouTube channel](#)

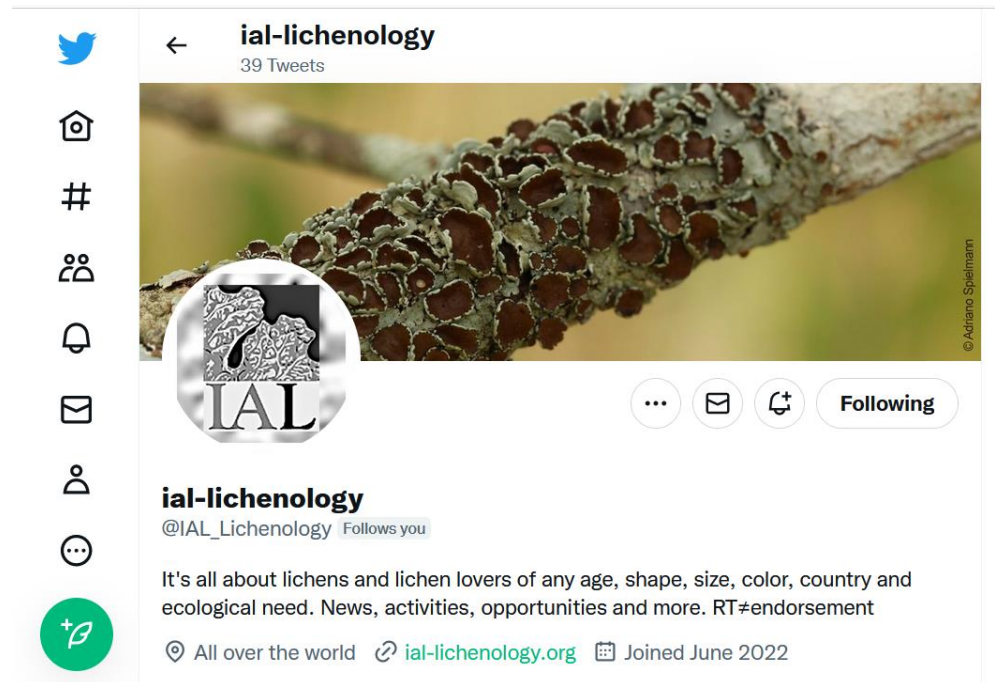
The IAL YouTube page is under the responsibility of Roberto de Carolis.

To inaugurate the YouTube channel, we teamed up with the organizing committee of the online IAL9. Periodically, a series of talks presented at the last IAL symposium, given from scientists of any age and on any aspect of lichenology, is uploaded on the channel.

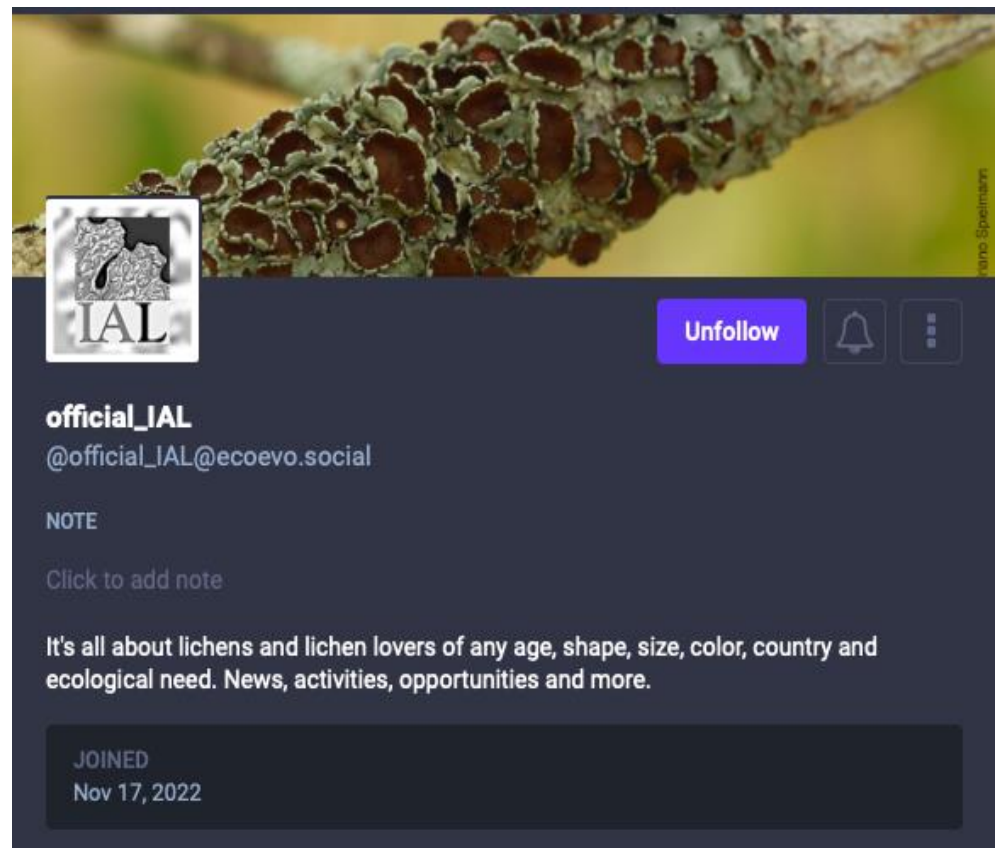
We are planning a section devoted to educational material. If you are willing to contribute, feel free to contact us!

[IAL Facebook page](#)

The official Facebook page of the Association is a moderated platform for sharing the latest news and events linked to the IAL. If you are on Facebook, give us a follow and feel free to share our posts in other groups in related fields. Any post published on the Facebook page is also published on the IAL Twitter account.

[IAL Twitter account](#)

Mainly used to promote news or events directly related to the IAL, it is a more flexible means than Facebook and allows sharing external information that we consider useful for IAL members: job announcements, resources, and scientific meetings. We follow Twitter accounts of other scientific societies (lichenological and not), museums, research institutions and researchers.

[IAL Mastodon account](#)

Just set up, ready for what will come!

This is only the beginning. We look forward to using social media as a means to connect with you and explore with you the wonderful world of lichens.

If you have experience in communication, media management, content production or any other related skill, and you are interested in assisting with the ComCom mission, please contact us at ialichenology@gmail.com (email account under the responsibility of Theo Llewellyn).

Silvana Munzi
Centro Interuniversitário de História das Ciências e da Tecnologia, Universidade de Lisboa,
Lisbon, Portugal

Toby Spribille
Department of Biological Sciences, University of Alberta, Edmonton, Alberta, Canada

REPORTS

COLLECTION OF DR. ROBERT S. EGAN IN THE FIELD MUSEUM

In October 2021, The Field Museum acquired the entire lichen collection at the University of Nebraska at Omaha (OMA). An estimated 30,000 specimens were in the collection of Dr. Robert S. Egan, one of the most preeminent lichenologists in the United States. Dr. Egan retired over a decade ago, but was still curating and handling loan requests in an emeritus capacity, as the University of Nebraska at Omaha never hired a suitable replacement for a lichenologist curator. Dr. Egan feared that once he leaves his emeritus office for the last time, this valuable resource for lichenologists worldwide would be moved off-campus by the University of Nebraska at Omaha and be forgotten. Todd Widhelm, a master's student of Egan's and now collection manager at the Field Museum, brought the entire collection to the fungal herbarium in Chicago so it can still be accessible to researchers worldwide. The move of \$4000 was funded by the Field Museum's Gantz Family Collections Center.

The OMA collection is an exceptionally valuable resource due to its completeness, with 19,336 specimen records fully databased on lichenportal.org, and 99% (19,142) of those fully identified to species. The collection includes 107 lichenized fungal families, 413 genera, and 2,351 species (2,453 including subspecies and varieties). Geographically, most specimens (14,837 - 77%) are from the United States, but there are specimens from all continents (including Antarctica) that Egan acquired through exchange programs. Mexico is the second-largest represented country with 1,194 specimens—the result of extensive collection trips for the Parmeliaceae of Mexico project that resulted in a dichotomous key for this family in Mexico.

Collection Statistics (from CNALH):

19,336 specimen records (all databased and on herbarium sheets)

5,538 (28%) georeferenced

19,142 (99%) identified to species

107 families

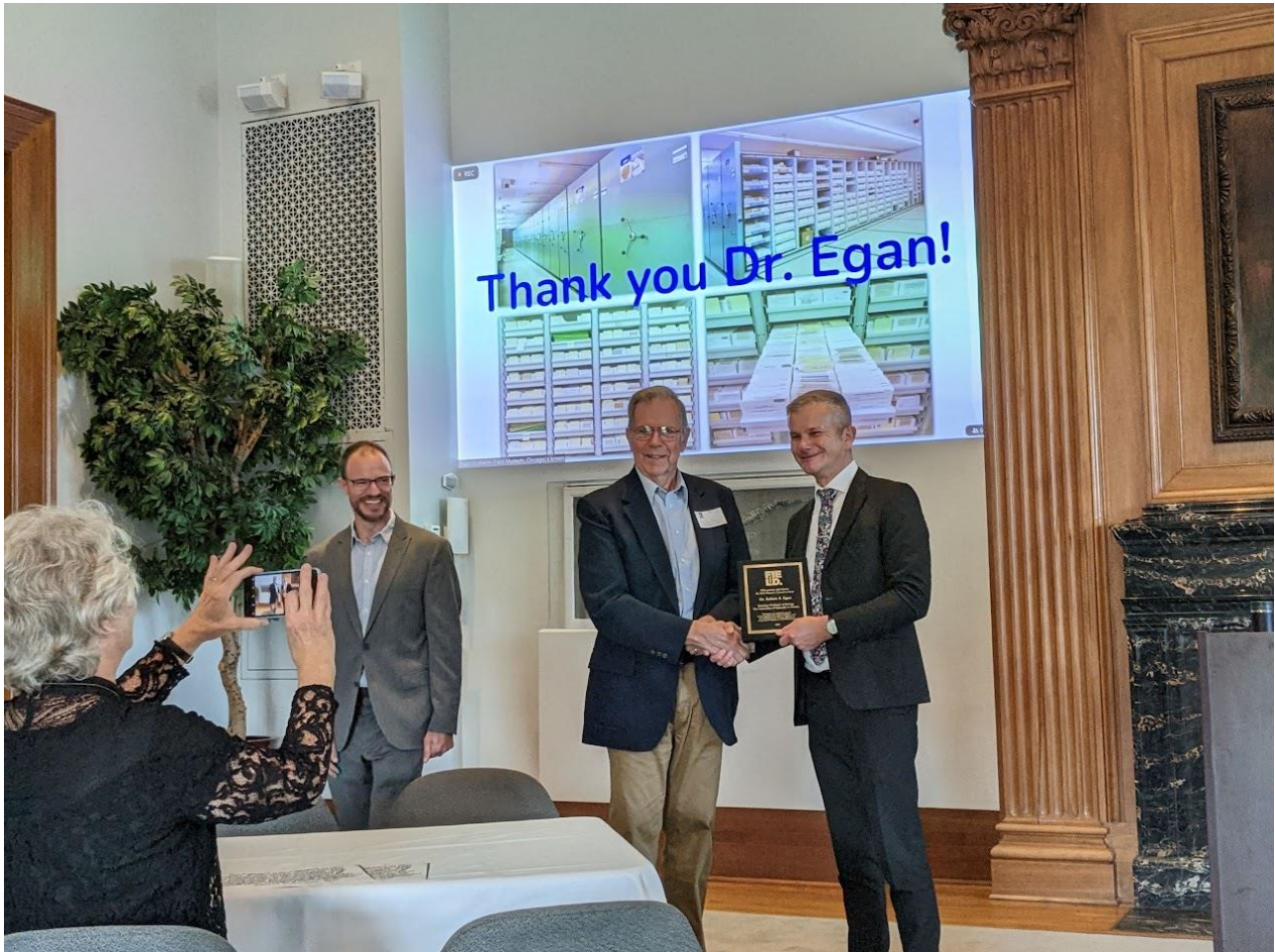
413 genera

2,351 species

2,453 total taxa (including subsp. and var.)

The Field Museum lichen herbarium has over 25,000 lichen specimens from the United States, but the majority are very old, with more than two-thirds collected before 1950, making them not as useful for molecular phylogenetic research. The OMA collection will significantly complement the Field Museum lichen collection by adding 14,837 more United States specimens, increasing United States specimen representation to almost 40,000. Many of the OMA herbarium are more recently collected, making them more useful for molecular studies.

Egan was part of a multi-institutional grant that conducted a floristic survey of the family Parmeliaceae in Mexico. This resulted in 1,194 Parmeliaceae specimens being collected and deposited in the OMA herbarium. Furthermore, these specimens were used to write the key to Mexican Parmeliaceae (Herrera-Campos *et al.* 2016 *Lichens of Mexico*. Stuttgart, Germany: Schweizerbart Science Publishers), one of the largest families of lichens, and one that Egan focused extensively on. The Parmeliaceae collection from OMA will almost double the number of specimens, adding 7,927 to the 10,113 Parmeliaceae that are currently at the Field Museum.



Thorsten Lumbsch and Todd Widhelm present Bob Egan with an appreciation plaque during the thank you reception.

Plaque caption:

„With greatest appreciation
The Field Museum is proud to honor
Dr. Robert S. Egan
Emeritus Professor of Biology
The University of Nebraska at Omaha

The Museum is extremely grateful for the donation of Dr. Egan’s exemplary work and collection to the Museum,
significantly enhancing the herbarium of lichenized fungi.
2022”

Thorsten Lumbsch (Vice President, Science and Education; Curator, Lichenized Fungi) and I invited Bob and Jackie Egan to Chicago to see where his herbarium was housed in the fourth-floor herbarium. Matt von Konrat (Head of Botanical Collections; McCarter Collections Manager, Bryophytes and Pteridophytes) kindly made one whole compactor row available in the fern collection. The OMA lichen herbarium is now living in 22 cabinets that were labeled by Robert Salm (Co-Administrative Coordinator, Gantz Family Collections Center), who has excellent graphic design skills. On Thursday, 27 October 2022, we had a thank you reception/ceremony for the Egans. Todd Widhelm (Collections Manager, Mycology and Lichenology) gave a presentation about Bob Egan's career, his

impact on lichenology, his influence on young Todd as a budding lichenologist, and how the OMA collection enhances the Field Museum collection. Deborah Bekken (Director, Gantz Family Collections Center) and Thorsten also expressed their thanks to Bob Egan. At the end of the talks, a plaque was presented to Dr. Egan as a thank-you gesture. A copy of the plaque will live next to his specimens in the herbarium.

Link to photos of the event: <https://photos.app.goo.gl/ZdS2AMuuDgpy63vo9>

Todd Widhelm

“CRYPTOGAMS: BIODIVERSITY, CONSERVATION AND INTERACTIONS”

XXIII INTERNATIONAL SYMPOSIUM OF

CRYPTOGAMIC
BOTANY



VALENCIA 2022

Last summer, from July 20th-23rd, the XXIII Symposium of Cryptogamic Botany took place in Valencia (<https://congresos.adeituv.es/congresos/ficha.en.html?cc=629&>). It was meant to be celebrated in 2021, but it was not possible due to the COVID-19 health emergency. The meeting takes place usually every two years and after the 22 previous editions, this was the very first hybrid meeting, i.e. held virtually (online) but also in-person. In spite of the inconveniences, we are satisfied, because this modality has allowed the attendance of many people from any location.

The University of Valencia was the organizer for the Symposium as committed in Lisbon at the XXII Symposium in 2019, and the venue was The University-Enterprise Foundation of the University of Valencia (ADEIT), located in the historic city center of Valencia.

The theme of the Symposium was “Biodiversity, Conservation and Interactions”. Biodiversity was selected because we enjoy studying “Life on Earth”—but, to enjoy biodiversity, we must conserve it; it is our duty as human beings. The natural world is interconnected, and the study of these interactions is of great importance for the progress of scientific knowledge.

There were six keynote lectures on different cryptogamic subjects.

1. Opening session:

"Evolution and design of the lichen symbiosis" by Martin Grube, from the University of Graz (Austria).

2. "Going beyond dispersal: Challenges and (new) perspectives in bryophyte biogeography" by Jairo Patiño, from the Instituto de Productos Naturales y Agrobiología (IPNA-CSIC The Canary Islands).

3. "The genus *Lithophyllum* (*Corallinales*, *Rhodophyta*) in the Mediterranean: current knowledge of its taxonomy, phylogeny and biogeography" by Fabio Rindi (Università Politecnica delle Marche, Ancona, Italy) and Viviana Peña (Universidade da Coruña, Spain)

4. "Taxonomy and nomenclature: when the order of factors does alter the product", by Juan Carlos Zamora (Conservatoire et Jardin botaniques de la Ville de Genève, Switzerland).

5. "Lichens and biofilms on the engraved rocks of Valle Camonica (UNESCO site n.94, Italy): Five years of investigations on biodiversity, biodeterioration and control strategies", by Sergio Enrico Favero Longo (Dipartimento di Scienze della Vita e Biologia dei Sistemi, Università di Torino, Italy).

6. "A global study of *Parablechnum*: diversity and evolution across Gondwana in the youngest fern family", by Sonia Molino de Miguel, from the Universidad Complutense de Madrid (UCM).

With more than 130 contributions, the ones of lichen-forming fungi and other fungi were the most numerous: 65 (38 of them were oral and 27 were presented as posters). A large representation of the speakers were members of the SEL (Sociedad Española de liquenología), but there were a significant amount of them from SLI (Società Lichenologica Italiana), and from other countries e.g. Portugal and Canada, (Forest Research Institute (IRF) Université du Québec). Such communications were grouped in different thematic talks:

1. Symbiosis and Interactions, 2. Conservation and Management, 3. Biodiversity and Biogeography, 4. Systematics and Evolution, 5. Biodeterioration and Extreme Environments, 6. Physiology and Ecophysiology, 7. Ecology and Global Change, 8. Biomonitors and Bioindicators.

After the first day contributions, the organization offered a glass of wine and a warm welcome at the Botanical Garden of the University of Valencia to more than 120 on-site participants. The following day, the congress dinner was also held in this exceptional environment, established more than two centuries ago as a space for teaching and research. Although the temperature was one of the hottest in summer, the plants created a refreshing atmosphere.



Picture of the XXIII Cryptogamic Botany Symposium's participants.

On Saturday the 23rd, there was a field trip to the Natural Park of Penyagolosa, the second highest peak in the Valencian Community (1813 m). The participants enjoyed a delicious and relaxed day in the beautiful and refreshing surroundings of the "Barranco de la Pegunta", among black and Scotch pines, yews, bryophytes, fungi, lichens, ferns, etc. In addition, participants had the chance to contribute some data to the Biodiversity Bank of the Valencian Community (BDBCV) sponsor of this activity.



Some of the Symposium participants, from left to right and top to bottom: Martin Grube plenary session; group of organizers and collaborating students (Gabriel Segarra, Violeta Atienza, Tamara Pazos-Martínez, María Honrubia, Enrique Cabrera, Fernando Boisset, Isaac Garrido); Asunción de los Ríos; Sergio Pérez-Ortega; Paula Ortega; Lisa Pokorný; Fernando Fernández-Mendoza; Miguel Blázquez; Sonia Trobajo; Luca Di Nuzzo and María Prieto; Sergio Favero-Longo; Ibai Olariaga; Yolanda Turégano; Field day in the Natural Park of Penyagolosa (Castelló), participants exploring the "Barranco de la Pegunta".

The symposium was a very pleasant experience. As members of the Organizing Committee, we would like to express our most sincere gratitude to all the in-person and online participants. But also, to the numerous students (almost 50% of the attendees) who made brilliant presentations and took the opportunity for communicating and networking after the congress, in the "Happy hours", enjoying the terraces and nightlife of Valencia.

We also want to highlight the hard work of the ADEIT Carolina Gil's technical team and collaborating students who made everything work as well as possible.

Violeta Atienza on behalf of the Organizing committee

POLISH LICHENOLOGISTS CONVENTION, JUNE 2022, WARSAW

In June, during the 59th Congress of the Polish Botanical Society, a meeting of Polish lichenologists was held. The conference was organized by the Polish Botanical Society, Warsaw University of Life Sciences, University of Warsaw and Polish Academy of Sciences Botanical Garden, Center for Biological Diversity Conservation in Powsin. The meeting was attended by 21 scientists from various academic centers in the country. The University of Gdansk was represented by the most numerous group of lichenologists. Professor Martin Kukwa was supported by his large team of Beata Guzow-Krzemińska, Emilia Ossowska, Magdalena Oset, Magdalena Kosecka and Łucja Ptach. The three plenary sessions included 12 presentations. In the first part of the oral session, listened to talks on topics such as: "The influence of active protection measures on the development of terricolous lichen biota of calaminarian grasslands in the Silesiankraków region" ('Biogalmany' Project) (B. Krzewicka, M. Jędrzejczyk-Korycińska, E. Adamska and P. Osyczka); "Lichen biota inhabiting dead spruce wood in the naturally disturbed forests of Polish Western Carpathians" (M. Tanona and P. Czarnota); and "Diversity of epigeic lichens within selected plant communities in the areas of Niepust near Truskaw and Lotne Piachy near Janówek in Kampinos National Park" (P. Zaniewski, E. Zaniewska, A. Kęłowska, Ł. Kwaśny).

In the second part the following lectures were presented: "Hornfels as a specific substrate for epilithic lichens" (M. Kossowska); "Biological activities of secondary metabolites from *Protoparmeliopsis muralis*" (B. Guzow-Krzemińska); and "Phylogeny of the genus *Loxospora* with emphasis on species characterized by the presence of thamnolic acid" (Ł. Ptach, B. Guzow-Krzemińska, M. Kukwa).

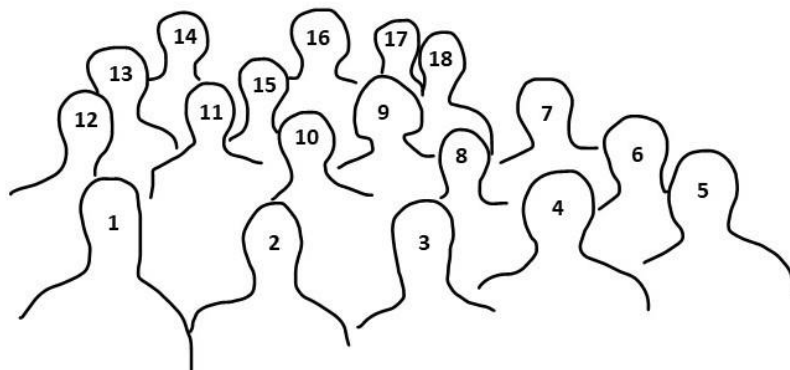
In the afternoon, participants listened to talks in the third and final part of the oral session. In this longest part, interesting results from lichen research in Bolivia were presented: "Genetic diversity of lichen photobionts of Bolivia" (M. Kosecka, B. Guzow-Krzemińska, A. Jabłońska, P. Rodriguez-Flakus, A. Flakus, I. Černajová, P. Škaloud and Ł. Ptach); "Sterile lichens of Bolivia" (M. Kukwa, M. Kosecka, A. Flakus, P. Rodriguez Flakus, A. Jabłońska and B. Guzow-Krzemińska); and "Morphological and phylogenetic revision of the lichen genus *Sticta* in Bolivia" (E. Ossowska, B. Moncada, M. Kukwa, A. Flakus, P. Rodriguez-Flakus, R. Lücking).

After a short coffee break and a behind-the-scenes discussion, the last two papers on lichen taxonomy were presented: "Lichens of the *Circinaria* genus in Poland – morphology, chemistry and preliminary phylogenetic analyses" (K. Szczepańska, J. Urbaniak and J. Sołtysiak) and "*Varicellaria hemisphaerica* (Flörke) I. Schmitt & Lumbsch and *V. lactea* (L.) Schmitt & Lumbsch – chemical variability and phylogenetic reconstruction" (M. Oset).

During the poster session, lichenologists presented their results about the lichen biota of the Biebrza National Park (D. Kubiak and R. Szymczyk); interesting lichen species found in the Świętokrzyskie Mountains (A. Łubek); twenty-five years of studies on radioactive contamination of polar regions biota (Antarctic & Arctic) conducted in collaboration between IFJ PAN and Institute of Botany UJ

(M. Olech, J. Mietelski, A. Cwanek, K. Szufa); and biological corrosion (lichens) on monuments in the urban agglomerations of Warsaw and Łódź (M. Hachułka, I. Szukała).

Abstracts of all papers and posters can be found at <https://pbsociety.org.pl/repository/bitstream/handle/20.500.12333/320/2022.0003.pdf?sequence=3&isAllowed=y>



Conference participants: 1 B. Krzewicka, 2 A. Łubek, 3 E. Mazur, 4 E. Adamska, 5 R. Szymczyk, 6 E. Ossowska, 7 L. Śliwa, 8 M. Kosecka, 9 M. Kossowska, 10 B. Guzow-Krzemińska, 11 K. Szczepańska, 12 K. Rutkowski, 13 M. Hachułka, 14 P. Czarnota, 15 M. Oset, 16 M. Kukwa, 17 D. Kubiak, 18 Ł. Ptach.

The day ended with a gala dinner at the Copernicus Science Centre, where the centenary celebrations of the Polish Botanical Society were concluded. Over the following two days, field trips were held in Warsaw and the Mazovia region.

The next meeting of Polish Lichenologists is scheduled for September 2023 in the Sudety Mountains.

More information about Polish Lichenologists can be found on the website

<https://pbsociety.org.pl/ind/sekcja-lichenologiczna/>

and on Facebook <https://www.facebook.com/groups/2964916847065865>

Rafał Szymczyk, Polish Botanical Society, Olsztyn

A WORKSHOP ON IDENTIFICATION AND TAXONOMY OF LICHENS – A REPORT

The Kalinga Centre for Rainforest Ecology (KCRE), Agumbe organized a three-day workshop on identification and taxonomy of lichens from Western Ghats during 22 – 24th July 2022. The workshop aimed at training young researchers for field-recognition of lichens, their collection, preservation and identification. The participants were also taught topics such as microcrystallography, molecular phylogeny, biodeterioration, biomonitoring and bioprospection of lichens. A total of 13 researchers participated in the workshop. Dr. S. Nayaka, Senior Principal Scientist, CSIR – National Botanical Research Institute, Lucknow and Dr. S. Joseph, Scientist, KSCSTE - Kerala Forest Research Institute, Peechi acted as resource persons. Dr. Gowri Shankar and Mrs. Sharmila of KCRE coordinated the event.



Dr. S. Nayaka explaining about lichens collected at rainforest of Agumbe during the workshop.

INTERNATIONAL CONFERENCE IN HONOR OF DR. D.D. AWASTHI – A REPORT

Indian Lichenological Society (ILS), in collaboration with CSIR-National Botanical Research Institute, Lucknow organized a three-day ‘International Conference on Multidisciplinary Approaches in Lichenology’ during September 28-30th, 2022. The conference was a part of the Birth Centenary Celebrations for Dr. D.D. Awasthi, who is popularly known as ‘Father of Indian Lichenology’. The conference was conducted in hybrid mode where Indians physically attended, while foreigners participated through online mode. Dr. Gaurav K. Mishra was the Organizing Secretary of the conference. In total, 100 persons actively participated in the conference. Prof. Chakravartula Manoharachay, NASI Senior Scientist, Osmania University, Hyderabad was the Chief Guest and Prof. S.K. Barik, Director of CSIR-NBRI presided over the inaugural program. A souvenir containing 105 abstracts was released on this occasion. Dr. D.K. Upreti, President of the ILS, presented an introduction to Dr. Awasthi while Dr. G.K. Mishra, Secretary of ILS, talked about the origin of the conference. The ILS also bestowed Dr. D.D. Awasthi Lifetime Achievement award to Dr. D.K. Upreti for his outstanding contribution to Lichenology. Further, ILS also awarded its 13 Life Members with ‘Fellowship of Indian Lichenological Society’. Dr. S. Nayaka, Co-convener of the conference, presented the vote of thanks.



Dr. D.K. Upreti receiving Dr. D.D. Awasthi Lifetime Achievement award from Chief Guest Prof. C. Manoharachary.

The three-day conference included much discussion by ILS Fellows and delegates, with 50 oral (including invited lectures) and 20 poster presentations. A total of seven delegates from outside India presented their work; most prominent among them was Dr. François Lutzoni of Duke University, North Carolina, who spoke about ‘what are the mechanisms driving lichen mycobiont-photobiont interactions’. Mr. Sachin V. Mapari, Agarkhar Research Institute, Pune and Ms. Shweta Sharma, CSIR-NBRI, Lucknow won the Dr. Ajay Singh Award for best posters. Ms. Sapraja Saha, University

of Calcutta, Kolkata; Ms. Jyotsna Chakrawarthy, CSIR-NBRI, Lucknow; and Ms. Alina Shreshta, Tribhuvan University, Kirtipur, Kathmandu all won the P.G. Patwardhan Award for best oral presentation.

In the valedictory function of the conference, Dr. G.P. Sinha, Ex. Additional Director, Botanical Survey of India, Allahabad and Prof. P.K. Divakar from University of Complutense, Madrid was present as Chief Guests along with Drs. D.K. Upreti, G.K. Mishra and S. Nayaka.

*Dr. Sanjeeva Nayaka
Senior Principal Scientist
CSIR-NBRI, Lucknow*

NEWS

SPECIAL ISSUE OF *FOLIA CRYPTOGAMICA ESTONICA*

On behalf of the editorial board of *Folia Cryptogamica Estonica* (FCE), I invite you to submit original research papers, reviews, or short communications for a special issue of FCE. This special issue will be dedicated to the lichenologist Assoc. Prof. Tiina Randlane on her 70th birthday. Tiina has been a leader of Estonian lichenology for many years; she has supervised the PhD studies of all modern Estonian lichenologists thus far. Her scientific research has been mainly in the field of taxonomy and ecology of lichens. Tiina was a member of the Editorial Board of FCE during the years 1996-2020. Her great contributions to lichenology also includes the organization of IAL5 in Tartu in 2004.

FCE is an open-access, peer-reviewed, free-of-charge, and Scopus-indexed international journal from Estonia. We welcome papers on biodiversity, taxonomy, and ecology of fungi, lichens, bryophytes, and algae. According to the latest SCImago metrics, FCE is ranked as a Q1 journal, holding the fourth place in the rating of plant science open-access journals from Eastern Europe; 26th place worldwide in the same group; and the first place among Estonian open-access journals irrespective of the subject. The 2021 impact score of FCE is 2.17, which appears to be rising in 2022.

The deadline for submission will remain as usual – before April 1, 2023. More information and submission guidelines can be found here: <https://ojs.utlib.ee/index.php/FCE/about/submissions>. We also consider to publish a regular issue of the same volume for papers unrelated to this special issue. Please do not hesitate to contact us if you have additional questions.

Sincerely yours,
Polina Degtjarenko
Editor-in-Chief of *Folia Cryptogamica Estonica*
Tartu, Estonia

NEWS FROM THE SWEDISH MUSEUM OF NATURAL HISTORY IN STOCKHOLM

Since April 2022, Mats Wedin has been the Head of the Botany Department at the The Swedish Museum of Natural History in Stockholm (including herbarium S). As many of you are aware, the herbarium and the collection of ca 4.6 million samples of plants, fungi and algae has been closed since November 2018 due to complete renovations of the botany building. Our staff will move back in September 2023, and the collections will return from the off-site storage facility that currently house them during 2023-2025. It is difficult to predict when we can resume visits and outgoing loans activities again, but hopefully at some stage in late 2024 or 2025.

Mats Wedin

XX INTERNATIONAL BOTANICAL CONGRESS

Dear Colleagues and Friends,

Two years ahead of the XX IBC, we are pleased to launch the Call for Symposia. We encourage researchers worldwide to submit symposium proposals on a variety of topics through the [IBC website](#). **The call for symposia will remain open until December 30th, 2022.** Symposia constitute a very important component of the XX IBC, please submit a proposal and help shape the meeting's program! Also note that diversity of speakers in terms of gender, career stage, and geography will be one of the criteria for selecting proposals. Symposium proposals that bridge two or more of the 31 proposed topics, including novel views and/or multi-disciplinary research perspectives, are especially encouraged.

Best regards,
The Organizing Committee of the XX IBC

Call for symposia

Proposal submission now available! The scientific committee will evaluate symposium proposals based on potential audience interest, scientific quality, and diversity of speakers in terms of gender, career stage, and geography, among others. Symposium proposals that bridge two or more of the 31 proposed topics, including novel views and/or multi-disciplinary research perspectives are especially encouraged. We will make an effort to accept as many proposals as possible. Each symposium will last for 2 hours and will consist of six 20-minute oral communications (15 min presentations + 5 min Q&A). To maximize the interchangeability of participants among concurrent symposia, changes to this schedule will not be allowed. **Deadline for symposium proposals 30 December 2022.**

[Proposal Submission Topics](#)

- | | | |
|-------------------------------------|---------------------------------|---|
| 1. Agroforestry Systems | 2. Bioinformatics | 3. Biogeography / Phylogeography |
| 4. Botanical History | 5. Bryology | 6. Comparative Genomics / Transcriptomics |
| 7. Conservation Biology | 8. Crops and Wild Relatives | 9. Development and Structure |
| 10. Ecology and Plant Communities | 11. Ecophysiology | 12. Education and Outreach |
| 13. Ethnobotany | 14. Floristics | 15. Functional Genetics |
| 16. Global Change Ecology | 17. Hybrids and Hybridization | 18. Mycology and Lichenology |
| 19. Macroevolution | 20. Paleobotany / Archaeobotany | 21. Phycology |
| 22. Phylogenetics and Phylogenomics | 23. Physiology | 24. Plant, Animal, and Microbe Interactions |
| 25. Plant Biotechnology | 26. Palynology | 27. Population Genetics |
| 28. Pteridology | 29. Restoration Ecology | 30. Reproductive Biology |
| 31. Systematics | | |

RESEARCHER POSITION AVAILABLE IN STOCKHOLM

Dear all! The Swedish Museum of Natural History in Stockholm (including herbarium S) is announcing a senior researcher position (“senior curator”) primarily for a mycologist/lichenologist. Deadline for applications is January 8th 2023. Information about the post and the application procedure is to be found using the link below!

<https://www.nrm.se/.../jobbah.../ledigatjanster.9005019.html>

More information about the Department can be found here:
<https://www.nrm.se/.../forskningochs.../botanik.8999708.html>

Mats Wedin

“SNAKE RIVER PLAINS” (SRP) HERBARIUM IN BOISE, IDAHO

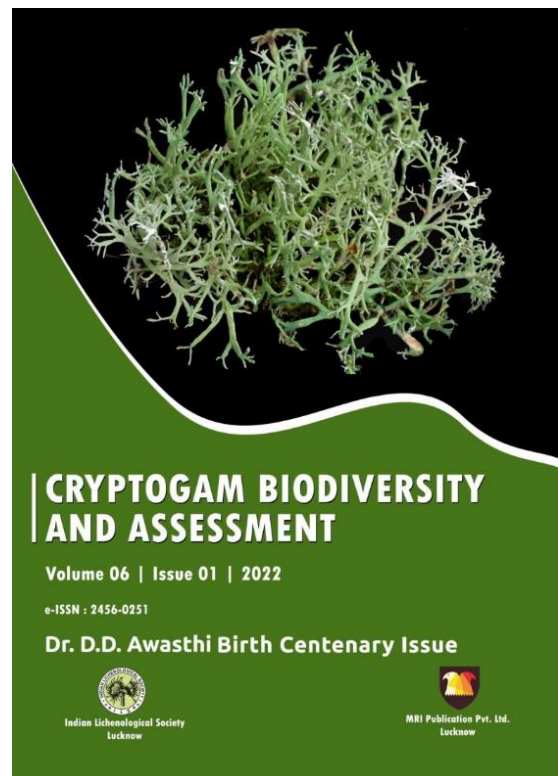
Boise State University’s “Snake River Plains” (SRP) herbarium in Boise, Idaho, USA has moved to a larger room and has been upgraded. There is now more room for the lichen collection, and we would welcome specimen of macrolichens and biological soil crusts (BSC). The herbarium is interested in comparison specimen materials of BSC; vagrant lichens in any genus; and any specimens of *Cladonia*, *Hypogymnia*, and *Ramalina*.

Roger Rosentreter

NEW BOOKS AND PUBLICATIONS

RELEASE OF SPECIAL ISSUE OF ‘CRYPTOGAM BIODIVERSITY AND ASSESSMENT’

The 2nd issue of the 6th volume of [6(2) 2022] of the journal ‘Cryptogam Biodiversity and Assessment’ was released as the Dr. D.D. Awasthi Birth Centenary Issue on the occasion of ‘International Conference on Multidisciplinary Approaches in Lichenology’ organized by Indian Lichenology Society and CSIR-NBRI, Lucknow on 28th September 2022. The issue includes a total of 10 articles contributed by 23 authors. Nayaka and Pal contributed a brief note on the lichenological contributions of Dr. Awasthi, along with list the novel taxa described by him; new combinations proposed; taxa dedicated to him; and a list of his publications. Sinha and Jagadeesh Ram, and Mishra et al. have dedicated a species each in honour of Dr. Awasthi (*Bunodophoronawasthii* G.P. Sinha & Jagad. Ram; *Pyrenula awasthii* G.K. Mishra, S. Nayaka & Upreti). There were several new regional distributions reported in this issue, including Andaman Nicobar Islands, Assam and Kerala. The articles are accessible from the following journal site - <https://cbaj.in/index.php/journal/issue/view/22>



*Dr. Sanjeeva Nayaka
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Diederich, Paul, Millanes, Ana M., Wedin, Mats & Lawrey, James D. (2022) Flora of Lichenicolous Fungi. Volume 1: Basidiomycota. 351 pages, the National Museum of Natural History, Luxembourg, ISBN: 978-2-919877-26-3, Price: € 35,-



I am happy to announce that the first volume of a world Flora of lichenicolous fungi has just been published at the National Museum of Natural History in Luxembourg.

Volume 1 features members of the Basidiomycota and treats 197 species in Agaricales (4), Atheliales (2), Boletales (1), Cantharellales (11), Corticiales (12), Filobasidiales (8), Tremellales (129), Agaricostilbales (18), Cyphobasidiales (9), Microbotryomycetes (1) and incertae sedis (2)—including three new genera (*Kriegeriopsis*, *Parmeliicida*, *Zyzygomyces*), 74 new species, one new subspecies and three new combinations. Phylogenetic analyses and trees; identification keys; descriptions; macroscopical and microscopical illustrations; and distribution maps are given.

You may order the volume directly at the National Museum of Natural History (<https://www.mnhn.lu/science/flora-of-lichenicolous-fungi/?lang=en>)

or at <https://www.koeltz.com/en/flora-of-lichenicolous-fungi-volume-1-volume-1-diederichpaul-ana-m-millanes-mts-wedin-and-james-d-lawrey-basidiomycota-2022-illus-351-p-gr8vo>

A free download is also available. However, as this is a Flora, I strongly recommend everybody interested in lichenicolous fungi or in basidiomycetes to order a hard copy.

I would appreciate if you could forward this announcement to members of national or regional lichenological and mycological societies. Thanks!

Paul Diederich
National Museum of Natural History
Luxembourg

PERSONALIA

NEW PHD STUDENT IN IMKE SCHMITT'S LAB

Victoria Keller is starting her PhD in Imke Schmitt's lab in Frankfurt, Germany (Senckenberg Biodiversity and Climate Research Centre, and Goethe University). She will be working on the genomics of lichen-inhabiting fungi. Her email address is: victoria.keller@senckenberg.de (starting 01.01.2023).

Imke Schmitt

NEW PHD

Magdalena Kosecka defended her PhD thesis, “Genetic diversity of lichen photobionts of Bolivia” on July 8th, 2022 at the University of Gdańsk, Poland. Magdalena held a stipend from a project funded by National Science Centre entitled “Hidden genetic diversity in sterile crustose lichens in the Neotropical forests – an innovative case study in Bolivia, a hotspot of biodiversity” (No. 2015/17/B/NZ8/02441). She was interested in the influence of several biotic and abiotic parameters on the genetic diversity of eukaryotic photobionts in lichens in Bolivian ecosystems. The thesis is based on three published papers of which Magdalena is the first author: *Journal of Phycology* 56(4), 979–993 (2020); *Scientific Reports* 11: 8701 (2021); and *Frontiers in Microbiology* 13: 779784 (2022). Her doctoral degree was officially conferred on July 15th 2022, and the PhD thesis was distinguished by the Scientific Council of Biological sciences of University of Gdańsk. Supervisor: Martin Kukwa, assistant supervisor: Beata Guzow-Krzemińska.

Martin Kukwa



From left to right: Łucja Ptach, Beata Guzow-Krzemińska, Emilia Ossowska, Magdalena Kosecka, Martin Kukwa.

LIST OF SOCIETIES

Australasia: Australasian Lichen Society. Info: W.M. Malcolm, Box 320, Nelson, New Zealand 7040. Phone: (+64) 3-545-1660, e-mail: nancym@micro-opticspress.com
Journal: *Australasian Lichenology*, web-page: <http://nhm2.uio.no/botanisk/lav/RLL/AL/>

Brazil: Grupo Brasileiro de Liquenólogos (GBL), contact: Dr. Adriano Afonso Spielmann, (e-mail: adriano.spielmann@ufms.br), e-mail: BrazilianLichens@gmail.com;
web-page: <https://brazilianlichens.wixsite.com/website>

Central Europe: Bryologisch-lichenologische Arbeitsgemeinschaft für Mitteleuropa (BLAM). Contact: Martin Nebel, Wellengstr. 14, 70619 Stuttgart, Germany, e-mail nebel_martin@web.de, web-page: <http://blam-bl.de/>
Journals: *Herzogia* <https://blam-bl.de/herzogia/herzogia-ueberblick.html>, *Herzogiella*, web-page: <https://blam-bl.de/herzogiella-oben.html>

Colombia: Grupo Colombiano de Liquenología (GCOL). Info: Bibiana Moncada, e-mail: bibianamoncada@gmail.com;
web-page: <https://www.facebook.com/groups/485251978343916>

Czech Republic: Bryological and Lichenological Section of the Czech Botanical Society. Chairperson: Svatava Kubešová, e-mail: svata.kubesova@gmail.com, web-page: <https://botanospol.cz/cs/bls>
Journal: *Bryonora*, web-page: <https://botanospol.cz/index.php/cs/bryonora>

Ecuador: Grupo Ecuatoriano de Liquenología (GEL). Info: Alba Yanez, e-mail: albayanez8@gmail.com;
web page: <http://grupoecuatorianodeliquenologia.blogspot.com/>

Estonia: Mycology Society, Estonian Naturalists' Society, Struve 2, Tartu 51003, Estonia, Chairman: Külli Kalamees-Pani, e-mail: kulli.kalamees-pani@ut.ee
web-page: <http://mukoloogiauhing.ut.ee/avaleht> (in Estonian).
Journal: *Folia Cryptogamica Estonica*, web page: <http://www.ut.ee/ial5/fce/>

Finland: Lichen Section, Societas Mycologica Fennica. C/o: Botanical Museum (Lichenology), P.O. Box 7, FI-00014, Helsinki University, Finland. Info: Teuvo Ahti, e-mail: teuvo.ahiti@helsinki.fi
Journal: *Karstenia*, web-page: <http://www.karstenia.fi/index.php>

France: Association française de Lichénologie (AFL). Président: Joël Boustie, e-mail: joel.boustie@univ-rennes1.fr,
web-page: <http://www.afl-lichenologie.fr>.
Bulletin: *Bulletin d'Informations de l'Association française de lichénologie* (deux Bulletins annuels), web-page: http://www.afl-lichenologie.fr/Afl/Publications_afl.htm

Great Britain: The British Lichen Society (BLS). C/o: Royal Society of Biology, 1 Naoroji Street, London, WC1X 0GB, United Kingdom. President: Rebecca Yahr. Secretary: Eluned Smith. Email and Info: enquiries@britishlichensociety.org.uk For membership go to <https://my.britishlichensociety.org.uk/>,
Society web-page: www.britishlichensociety.org.uk/

Journal: *The Lichenologist* (accessible via Cambridge Core <https://www.cambridge.org/core/journals/lichenologist>); *British Lichen Society Bulletin* <https://www.britishlichensociety.org.uk/the-society/bls-bulletin>

India: Indian Lichenological Society. Address for correspondence: Lichenology Laboratory; CSIR-National Botanical Research Institute; Rana Pratap Marg, Lucknow-226001, U.P., India. President: Dr. D.K. Upreti. Secretary: Dr. Gaurav K. Mishra, e-mail: indianlichenology@gmail.com, webpage: <http://www.indianlichenology.com>

Iran: Lichenology Branch, Iranian Mycology Society, C/o: The Museum of Iranian Lichens. P.O. Box 33535111, Tehran, Iran, Iranian Research Organization for Science and Technology (IROST). Info: Mohammad Sohrabi, e-mail: sohrabi@irost.org

Italy: Società Lichenologica Italiana (SLI). President: Juri Nascimbene, Dipartimento di Scienze Biologiche, Geologiche e Ambientali Via Irnerio 42, Bologna, email: juri.nascimbene@unibo.it, web-page: <http://www.lichenologia.eu/>
Journal: *Notiziario della Società Lichenologica Italiana* (in Italian), web-page: http://www.lichenologia.eu/index.php?procedure=pubbl_not

Japan: The Lichenological Society of Japan (LSJ): President: Yoshiaki Kon, e-mail: chiiruikenkyukai@gmail.com, web-page: <http://eng.lichenjapan.jp/>
Journal: *Lichen*, web-page http://lichenjapan.jp/?page_id=19
The Japanese Society for Lichenology (JSL). President: Kunio Takahashi, contact email (secretary): kawahara@kansai-u.ac.jp, web-page: <http://www.lichenology-jp.org/index.php/en/>
Journal: *Lichenology*, web-page: <http://www.lichenology-jp.org/index.php/en/journal/>

The Netherlands: Dutch Bryological & Lichenological Society (Bryologische +Lichenologische Werkgroep, BLWG). Contact: L.B. (Laurens) Sparrius, contact e-mail: sparrius@blwg.nl, web-page: <http://www.blwg.nl>
Journals: *Buxbaumiella* and *Lindbergia*, web-pages: www.buxbaumiella.nl (open access) and www.lindbergia.org (open access)

Nordic Countries: Nordic Lichen Society (Nordisk Lichenologisk Förening, NLF). President: Ave Suija, e-mail: ave.suija@ut.ee, web-page: <http://nhm2.uio.no/lichens/nordiclichensociety/>
Journal: *Graphis Scripta*, web-page: see NLF web page

North America: American Bryological and Lichenological Society, Inc. (ABLS). President: Scott Schuette, contact e-mail: swschuette@gmail.com, web-page: <http://www.abls.org/>
Journals: *Evansia*, web-page: <http://www.bioone.org/loi/evia>; and *The Bryologist*, web-page: <http://www.bioone.org/loi/bryo>

North America, Northwest: Northwest Lichenologists (NWL). Info: Bruce McCune, contact e-mail: bruce@salal.us, web-page: <http://www.nwlichens.org>
Newsletter: *Northwest Lichenologists Newsletter*, web-page: <http://www.nwlichens.org>

North America, California: The California Lichen Society (CALs). President: Tom Carlberg, contact e-mail: president@californialichens.org,

web-page: <http://californialichens.org/>

Bulletin: *Bulletin of the California Lichen Society*, web-page: <http://www.californialichens.org/calsbulletin/>

North America, East: Eastern Lichen Network. Info: Marian Glenn, e-mail: glennmar@shu.edu, web-page: <http://www.nybg.org/bsci/lichens/elin/>

Poland: Lichenological Section of the Polish Botanical Society (Polskie Towarzystwo Botaniczne). President: Rafał Szymczyk, Environmental Survey Laboratory Ekoprojekt, Nowica 24, 14-405 Wilczęta, Poland, Email: lichensptb@gmail.com web-page: <https://pbsociety.org.pl/ind/sekcja-lichenologiczna/>

Slovakia: Slovak Botanical Society – Lichenological Working Group, c/o Institute of Botany, PSBC, Slovak Academy of Sciences, Dúbravská cesta 9, 845 23, Bratislava, Slovakia. Info: Zuzana Fačková, e-mail: zuzana.fackovcova@savba.sk, web-page: <http://sbs.sav.sk/> Journal: Bulletin Slovenskej botanickej spoločnosti, web-page: <http://sbs.sav.sk/SBS1/content.html> ; <http://ibot.sav.sk/lichens/>

South America: Grupo Latino Americano de Liqueólogos (GLAL). Info: Alfredo Passo, e-mail: alfredo.passo@gmail.com Journal: *GLALIA*, web-page <http://nhm2.uio.no/botanisk/lav/RLL/GLALIA/>

Spain: Sociedad Española de Liqueología (SEL). President: Sergio Pérez-Ortega, e-mail: sperezortega@rjb.csic.es, secretary: María Prieto Álvaro, e-mail: maria.prieto@urjc.es; web-page: <http://www.ucm.es/info/seliquen/>; Journal: *Clementeana*, web-page: <http://www.ucm.es/info/seliquen/cl.htm>

Sweden: Svensk Lichenologisk Förening (SLF). President: Martin Westberg, e-mail: martin.westberg@em.uu.se, web-page: <http://lavar.se> Bulletin: *Lavbulletinen*, web-page: <https://lavar.se/lavbulletinen/>

Switzerland: Swiss Association of Bryology and Lichenology (BRYOLICH). President: Ariel Bergamini, e-mail: praesidium@bryolich.ch, web-page: http://www.bryolich.ch/index_en.html Journal: *Meylania*, web-page: http://www.bryolich.ch/meylania/meylania_en.html

Venezuela: Grupo Venezolano de Liqueólogos (GVL). Info: Jesús Hernandez, e-mail: jeshernandezm2@gmail.com, web-page: www.bit.ly/lqvzla

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The cover-page illustration

Himantormia lugubris (Hue) I. M. Lamb (Ascomycota: Parmeliaceae) from Livingston Island (maritime Antarctica) (Photo: Ulrike Ruprecht).