

# INTERNATIONAL LICHENOLOGICAL NEWSLETTER

Vol. **54**, no. 1, July 2021



Official publication of the  
**International Association for Lichenology**

**Editor:**

BEATA GUZOW-KRZEMIŃSKA

University of Gdańsk, Wita Stwosza 59, 80-308 Gdańsk, Poland

*beata.guzow-krzeminska@ug.edu.pl*, phone: +48 58 523 6163

**Editorial Board:**

SCOTT LAGRECA (Duke University)

ISSN: 0731 2830

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 listserver 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 40 USD for 2016-2020) 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.**

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IAL affairs are directed by an Executive Council elected during the last General Meeting. Council members elected at the IAL8 Symposium (Helsinki, Finland, 2016) are listed below, and will serve until 2020.

### IAL COUNCIL 2016-2020

**President:** Mats Wedin, Swedish Museum of Natural History, Department of Botany, P. O. Box 50007, SE-104 05 Stockholm, Sweden. Email: [mats.wedin@nrm.se](mailto:mats.wedin@nrm.se)

**Vice President:** Silke Werth, LMU Biozentrum, Großhaderner Straße 2-4, D-82152 Planegg-Martinsried, Germany. E-mail: [silke.werth@lmu.de](mailto:silke.werth@lmu.de)

**Secretary:** Scott LaGreca, Department of Biology, Box 90338, Duke University, Durham, NC 27708, USA. Email: [scott.lagreca@duke.edu](mailto:scott.lagreca@duke.edu)

**Treasurer:** Imke Schmitt, Senckenberg Biodiversity and Climate Research Centre, Senckenberganlage 25, 60325 Frankfurt/Main, Germany. Email: [imke.schmitt@senckenberg.de](mailto:imke.schmitt@senckenberg.de)

**Assistant Treasurer:** Volker Otte, Senckenberg Museum für Naturkunde Görlitz, PF 300 154, 02806 Görlitz, Germany. Email: [Volker.Otte@senckenberg.de](mailto:Volker.Otte@senckenberg.de)

**Editor:** Beata Guzow-Krzemińska, University of Gdańsk, Department of Plant Taxonomy and Nature Conservation, Wita Stwosza 59, 80-308 Gdańsk, Poland. E-mail: [beata.guzow-krzeminska@ug.edu.pl](mailto:beata.guzow-krzeminska@ug.edu.pl)

**Members-at-Large:** Chris Ellis, Royal Botanic Garden Edinburgh, 20A Inverleith Row, Edinburgh, EH3 5LR, U.K. Email: [c.ellis@rbge.ac.uk](mailto:c.ellis@rbge.ac.uk) – Silke Werth, LMU Biozentrum, Großhaderner Straße 2-4, D-82152 Planegg-Martinsried, Germany. E-mail: [silke.werth@lmu.de](mailto:silke.werth@lmu.de) – Martin Kukwa, Department of Plant Taxonomy and Nature Conservation, University of Gdańsk, Wita Stwosza 59, PL-80-308 Gdańsk, Poland, Email: [dokmak@ug.edu.pl](mailto:dokmak@ug.edu.pl) — Marcela Eugenia da Silva Cáceres, Departamento de Biociências, Universidade Federal de Sergipe, Av. Vereador Olímpio Grande, s/n, 49500-000, Itabaiana-SE, Brasil. Email: [mscaceres@hotmail.com](mailto:mscaceres@hotmail.com)

**Webmaster:** Andreas Beck, Botanische Staatssammlung München, Dept. of Lichenology and Bryology, Menzinger Str. 67, D-80638 München, Germany. Email: [beck@bsm.mwn.de](mailto:beck@bsm.mwn.de)

## ASSOCIATION NEWS

### LETTER FROM THE PRESIDENT

Dear IAL Members,

Summer and the field season has finally arrived in Sweden! I currently plan for this year's major fieldwork, where I and some of my museum colleagues will go to some poorly collected areas in the forest region of Swedish Lapland to collect lichens, bryophytes and vascular plants. I do this planning between further planning/discussions about the upcoming IAL9 on-line Conference. In this issue of our Newsletter, you will again find a lot of lichenological information and I want to take this opportunity to draw your attention to the three obituaries that this issue contains: Svetlana Tchabanenko, Klára Verseggy and the recently deceased Dick Harris. They will all be very much missed by friends and colleagues.

Yes, the IAL 9 Conference is finally approaching, and in this Newsletter you will find information about the Conference Programme (as far as the planning has proceeded thus far) as well as the agenda for the IAL General Meeting! Some differences compared to former meetings are the result of the on-line format: for example, we have no IAL Dinner, so we will instead present all the IAL Awards, and introduce the newly elected IAL Council, during the Closing Ceremony. More changes will be evident as the Programme continues to unfold.

You will note that Council is proposing some revisions to the current Constitution. These proposed changes are included in this Newsletter. Most of them stem from the fact that the old Constitution did not allow for a General Meeting to be held in any way other than a physical meeting. We clearly have to adapt to reality and allow for both on-line meetings and on-line voting procedures. At the same time, we tried to update the text and remove redundancies. I hope that the proposed Constitutional changes are clear and that we can discuss these over lichens-I prior to voting on them, if you feel that something may need discussion and/or slight re-formulation.

We have two venue nominations for the IAL10 Conference, which will take place as planned in 2024. Please read these proposals below in the Newsletter, and prepare for voting!

With IAL9, the current Council steps down. The confused situation with the pandemic forced us to stay in office for a year longer than expected, but now the time for us to finally hand over to another President and IAL Council is approaching. I hope that as many of you as possible will join the IAL9 Conference (registration deadline is 26 July), and I look forward to seeing you during the upcoming on-line event in Bonito!

Many thanks, and happy lichen-hunting!

*Mats Wedin,  
IAL President*

## IAL GENERAL MEETING

All IAL Members are invited to participate in the IAL General Meeting, which will be held during the IAL9 on-line Conference during Thursday August 5<sup>th</sup> at a time that will be announced later.

### Agenda:

- 1. Opening (President)**
- 2. Council's Report**
- 3. Treasurers' Report**
- 4. Auditor's Report**
- 5. IAL Constitution - Proposed changes**
- 6. The next IAL Council, Auditors and Nominating Committee**
- 7. IAL 10 (2024)**
- 8. Any Other Business**

We will have a pre-meeting discussion of Council's proposed changes to the Constitution over lichens-1. We invite all IAL members to participate in this important conversation.

The voting procedures and preparation of ballots etc are currently being worked out, but the members will be informed about the on-line voting procedures well ahead of the meeting.

Welcome!

*IAL Council*

## PROPOSED CHANGES TO THE IAL CONSTITUTION

Dear IAL members,

The current IAL Council has been working hard on revising the IAL Constitution. The changes we are proposing mostly concern making the Association's protocols (especially voting) more flexible during unusual times such as the current COVID-19 pandemic.

The proposed changes are presented below. They can also be found here:

<http://www.lichenology.org/index.html?/News/Announcements.html>

and click on the word „here“.

The proposed changes are highlighted in YELLOW at the beginning of the text, with the original text of the Constitution included at the end.

A brief explanation of each of the proposed changes is given below:

§ 2. Goals - the Association's affiliations have been updated to include IABMS.

§ 4. Power to raise money - the word “money” has been changed to lower case.

§ 5. Dues - changes in dues will be proposed by council, and then voted on by the membership either electronically or by paper ballot (reflecting the proposed flexible voting procedures outlined in § 10)

§ 6. Officers, Auditors and Nominating Committee - The term “Officers” has now been updated to “Council Officers”. In addition, the organizer for the next IAL symposium has been added as an official member of Council.

§ 7. Nomination and election of Officers, Auditors and Nominating Committee – Sentences are proposed advocating (a) diversity in Officer nominations, and (b) at least two nominees per post (if possible). Wording has also been changed to reflect the proposed flexible voting procedures outlined

in § 10.

§ 8. Duties - The “Advisory Board” has not been appointed or used by IAL for a long time; therefore it was deemed unnecessary by Council. So, references to the Advisory Board have been deleted from the Constitution. In addition, the wording of appointment of IAL members to the IUCN and IABMS has been made more flexible, as has the wording of the creating (and dissolution) of ad hoc IAL committees. Further, the inner workings of Council are now given in detail (e.g. voting within Council; replacement of Council members; and extension of Officer term-limits if necessary due to postponement of the IAL symposium).

§ 9. General Meetings - a sentence is proposed stating that the general meeting is where voting by our members will ideally (normally) take place.

§ 10. Voting - This NEW section of the Constitution deals solely with voting procedures. The changes proposed here will make the Association’s voting more flexible during situations (like the current pandemic) in which an IAL symposium might be postponed, or cancelled. The most important proposed change says voting can “take place at or before the IAL general meeting, via electronic or paper ballot.” Other proposed changes in this section of the Constitution provide voting details, including the role of the Nominating Committee; breaking of tie votes; and announcement of voting results.

§ 12. Change of Constitutional Rules - The proposed change “must be sent to Secretary at least four months prior to the general meeting or other voting event” simply reflects the proposed flexible voting procedures outlined in § 10.

We invite all current IAL members to review and discuss the proposed changes on the lichens-I list server prior to voting.

Voting on the proposed changes must be done by current IAL members only. A link to an online ballot will be sent to all current/paid members (please check the IAL website to verify your contact details and/or renew your membership). The voting for the proposed Constitution changes will take place via these online ballots starting the last week of July. (More specific details and deadlines regarding the voting procedures will be sent to members via email).

Results of the voting for the Constitution Changes will be announced during the IAL9 symposium. They will also be announced in the December 2021 issue of the International Lichenological Newsletter.

To register for IAL9, go to:

<https://doity.com.br/ial9/inscricao>

Registration is open until July 26.

We look forward to hearing from you.

Sincerely yours,

*Scott LaGreca*  
*Secretary, International Association for Lichenology*

## **PROPOSED CONSTITUTION**

**§ 1. Name** – The name of the Association is the International Association for Lichenology (IAL).

**§ 2. Goals** – The purpose of the IAL is to promote the understanding of lichens and lichenology world-wide. To achieve this, the IAL shall: a) encourage the study of lichens, b) advocate



lichenological interests in the international arena, c) stimulate communication and discussion among those interested in lichens, d) organise symposia, field meetings, conferences, etc., and e) support the conservation of lichens. The IAL is affiliated to the International Union of Biological Sciences (IUBS) and the International Association of Botanical and Mycological Societies (IABMS).

**§ 3. Membership** – Members of the IAL are those, whose dues have been paid. Any member who is more than two years in arrears in payment may be suspended by the Council.

**§ 4. Power to raise money** – The IAL exists only for non-profit status. It has the power to raise money by dues or other means as approved by the Council, but only for scientific purposes, awards and the administration of the Society.

**§ 5. Dues** – Membership dues will be determined, upon advice of the Council, by a vote by the membership via electronic or paper ballot as described in § 10.

**§ 6. Council Officers, Auditors and Nominating Committee** – The elected Council Officers of the IAL are a President, a Vice-President, a Secretary, a Treasurer, an Assistant Treasurer, an Editor, and three Council members-at-large. These officers form, together with the organizer of the next IAL Congress, the Council of the IAL. The Auditor and Vice-Auditor are elected non-Council members. The Nominating Committee is composed of three elected non-Council members, and they elect a secretary among themselves. The term for Officers, Auditors and Nominating Committee is four years. The maximum period for any Council Officer, Auditor and Nominating Committee member is two consecutive terms. Council Officers, with the sole exception of the Editor, cannot serve more than one consecutive term in the same position.

**§ 7. Nomination and election of Council Officers, Auditors and Nominating Committee** – The Nominating Committee must publish a call for nominations reaching the membership at least six months prior to the general meeting or other voting event. Any member of the IAL may submit nominations or be nominated and the call for nominations should encourage diversity and a balanced representation of the membership. The Nominating Committee is to strive for having at least two nominees for each post. Nominations, to be valid, need the written consent of the nominees, and need to reach the Nominating Committee at least two months prior to the general meeting or other voting event. Nominations from the floor at general meetings are allowed only when no nominee for a given post is elected. Elections will be made by majority vote as described in § 10. Voting will take place irrespective of the number of nominees for a post.

**§ 8. Duties of Council, Auditors and Nominating Committee, and replacement of Officers** – The Council administers the affairs and funds of IAL and shall meet or in other ways communicate as decided by the President or at the request by Council Officers. ~~The Council must establish an Advisory Board including a representative selection of lichenologists worldwide, with special attention to local societies, which shall assist the Council in the transfer and dissemination of information. The Council nominates two representatives of the IAL to the IUBS. The Council may designate Committees that shall manage topics of particular relevance for lichenology. The Advisory Board and the Committees will last until the next Council takes over.~~ The President, or in his absence the Vice-President, or any member of Council designated by the President, shall preside at all meetings of IAL and the Council. The Secretary shall keep minutes of meetings, and shall conduct correspondence as requested by Council. The Treasurer, or in her/his absence the Assistant Treasurer, shall keep an account of all receipts and expenditures and have a statement presented at general meetings and as requested by Council. The Assistant Treasurer shall assist the Treasurer as requested by the Council. The Editor shall prepare the International Lichenological Newsletter, whose content and format shall be at his/her discretion subject to review and recommendation of Council. To be valid, decisions of Council—held by a majority vote—require that all Council members have been informed and that at least six of them participated. Council may temporarily fill positions vacated between elections. If at any time less than seven elected Officers remain on Council, a new Council must be elected at an extra general meeting or other voting procedure as outlined in § 10. The Council

nominates IAL representatives to the IUBS and the IABMS, when needed. The Council may designate Committees that shall manage topics of particular relevance for lichenology. Such Committees will last until the next Council takes over or until the topic is resolved. The Auditor, assisted by the Vice-Auditor, will review the financial records of the IAL on behalf of its membership, and present a report to the general meeting. In her/his absence, the Vice-Auditor will act as Auditor. The Nominating Committee is responsible for organising the nominations and voting procedures as described in § 10. If for some compelling reason the IAL Congress is postponed (and therefore the voting procedure), the current Officers, Auditors and Nominating Committee will continue to serve until a voting procedure has taken place.

**§ 9. General Meetings** – The IAL shall hold its general meeting at the IAL Congress, a major international congress covering all aspects of lichenology, to be organized every fourth year. Announcements of additional meetings must reach the membership at least six months in advance. Any member can address topics for discussion to the Secretary at least four months prior to the general meeting, so that these will be disseminated to the Membership before the meeting. Decisions on changes in dues, changes to constitutional rules, as well as election of new officers, will be taken by a vote of the membership, as described in § 10. Additions to the agenda require a two-thirds majority of those present at the general meeting.

**§ 10. Voting procedures.** Voting procedures will normally take place at or before the IAL general meeting, via electronic or paper ballot. The Nominating Committee will organise the voting procedures for the election of Officers, Auditors and the Nomination Committee, in discussion with Council. The Nominating Committee will oversee ballot counting for these elections independently. Other voting procedures are organised by Council. Decisions will be taken by a majority vote; a tie vote shall be resolved by Council and if still necessary by the President. To be valid, a vote requires the participation of at least 10% of the membership. All results from voting procedures including elections will be announced at the general meeting, or via email as well as in the IAL Newsletter; all changes voted upon come to effect directly after the announcement including newly elected Officers.

**§ 11. Awards** – The initiation of IAL awards is decided by the general meeting. IAL award recipients are decided on by the Council. The IAL has currently the following six awards:

- 1) The Mason Hale Award recognising excellence in research by young lichenologists for outstanding work resulting from doctoral dissertations or similar studies.
- 2) The Acharius Medal recognising the life-work of distinguished lichenologists.
- 3) The Sylvia Sharnoff Education Award for an outstanding web page devoted to lichens.
- 4) The Dharani Awasthi Award for a prominent young researcher working and living in a low income country, who has completed a Ph.D. within five years prior to the submission deadline.
- 5) The Aino Henssen Award for a prominent researcher early in the career, who has completed a Ph.D. within five years prior to the submission deadline.

For the above awards, a call for nominations must reach the membership at least six months in advance of the next general meeting.

- 6) The Margalith Galun Awards for outstanding student contributions at an IAL meeting (best oral and poster presentations).

These awards will be decided and presented by the Council at an IAL meeting.

**§ 12. Change of Constitutional Rules** – Proposals of changes must be sent to Secretary at least four months prior to the general meeting or other voting event, so that they will be disseminated to the Membership before the voting. Changes in these rules may be made only upon approval by not less than two-thirds of the Members present at the general meeting or other voting event, as described in § 10. No rule change shall be allowed which will change the non-profit status of the IAL.

**§ 13. Dissolution of the IAL** – A motion to dissolve the IAL must be approved by at least two-thirds of the whole Membership. If the IAL is dissolved, any funds remaining after all outstanding liabilities

are discharged shall be used for scientific purposes in the field of lichenology as agreed by the last Council.

Approved at a General Meeting of the IAL at xxxxxx

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## CURRENT VERSION

**§ 1. Name** – The name of the Association is the International Association for Lichenology (IAL).

**§ 2. Goals** – The purpose of the IAL is to promote the understanding of lichens and lichenology world-wide. To achieve this, the IAL shall: a) encourage the study of lichens, b) advocate lichenological interests in the international arena, c) stimulate communication and discussion among those interested in lichens, d) organise symposia, field meetings, conferences, etc., and e) support the conservation of lichens. The IAL is affiliated to the International Union of Biological Sciences (IUBS).

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**§ 5. Dues** – Membership dues will be determined at the general meeting of the IAL, upon advice of the Council.

**§ 6. Officers, Auditors and Nominating Committee** – The elected Officers of the IAL are a President, a Vice-President, a Secretary, a Treasurer, an Assistant Treasurer, an Editor, the organizer of the next IAL Congress, and three Council members-at-large. These officers form the Council of the IAL. The Auditor and Vice-Auditor are elected non-Council members. The Nominating Committee is composed of three elected non-Council members, and they elect a secretary among themselves. The term for Officers, Auditors and Nominating Committee is four years. The maximum period for any Council Officer, Auditor and Nominating Committee member is two consecutive terms. Council Officers, with the sole exception of the Editor, cannot serve more than one consecutive term in the same position.

**§ 7. Nomination and election of Officers, Auditors and Nominating Committee** – The Nominating Committee must publish a call for nominations reaching the membership at least six months prior to the general meeting. Any member of the IAL may submit nominations or be nominated. Nominations, to be valid, need the written consent of the nominees, and need to reach the Nominating Committee at least two months prior to the general meeting. Nominations from the floor at general meetings are allowed only when no nominee for a given post is elected. Elections will be made by majority vote at the IAL general meeting. Voting will take place irrespective of the number of nominees for a post.

**§ 8. Duties of Officers and Auditor** – The Council administers the affairs and funds of IAL and shall meet or in other ways communicate as decided by the President or at the request by Council Officers. The Council must establish an Advisory Board including a representative selection of lichenologists worldwide, with special attention to local societies, which shall assist the Council in the transfer and dissemination of information. The Council nominates two representatives of the IAL to the IUBS. The Council may designate Committees that shall manage topics of particular relevance for lichenology. The Advisory Board and the Committees will last until the next Council takes over. The



President, or in his absence the Vice-President, or any member of Council designated by the President, shall preside at all meetings of IAL and the Council. The Secretary shall keep minutes of meetings, and shall conduct correspondence as requested by Council. The council nominates two representatives of IAL in the IUBS. The Treasurer, or in her/his absence the Assistant Treasurer, shall keep an account of all receipts and expenditures and have a statement presented at general meetings and as requested by Council. The Assistant Treasurer shall assist the Treasurer as requested by the Council. The Editor shall prepare the International Lichenological Newsletter, whose content and format shall be at his/her discretion subject to review and recommendation of Council. The Council may temporarily fill positions vacated between elections. If less than seven elected members remain, a new Council must be elected at an additional general meeting. To be valid, decisions of Council – held by a majority vote – require that all Council members have been informed, and that at least six of them participated. The Auditor, assisted by the Vice-Auditor, will review the financial records of the IAL and present a report to the general meeting. In her/his absence, the Vice-Auditor will act as Auditor. The Nominating Committee is responsible for presenting a list of nominations to the general meeting.

**§ 9. General Meetings** – The IAL shall hold its general meeting at the IAL Congress, a major international congress covering all aspects of lichenology, to be organized every fourth year. Announcements of additional meetings must reach the membership at least six months in advance. Any member can address topics for discussion to the Secretary at least four months prior to the general meeting, so that these will be disseminated to the Membership before the meeting. Additions to the agenda require a two-thirds majority of those present at the general meeting. Decisions will be taken by a majority vote. To be valid, a general meeting requires the participation of at least 10% of the membership.

**§ 10. Awards** – The initiation of IAL awards is decided by the general meeting. IAL award recipients are decided on by the Council. The IAL has currently the following six awards:

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- 2) The Acharius Medal recognising the life-work of distinguished lichenologists.

- 3) The Sylvia Sharnoff Education Award for an outstanding web page devoted to lichens.

- 4) The Dharani Awasthi Award for a prominent young researcher working and living in a low income country, who has completed a Ph.D. within five years prior to the submission deadline.

- 5) The Aino Henssen Award for a prominent researcher early in the career, who has completed a Ph.D. within five years prior to the submission deadline.

For the above awards, a call for nominations must reach the membership at least six months in advance of the next general meeting.

- 6) The Margalith Galun Award for outstanding student contributions at an IAL meeting (best oral and poster presentations).

These awards will be decided and presented by the Council at an IAL meeting.

**§ 11. Change of Constitutional Rules** – Changes in these rules may be made only upon approval by not less than two-thirds of the Members present at the general meeting. Proposals of changes must be sent to Secretary at least four months prior to the general meeting, so that they will be disseminated to the Membership before the meeting. No rule change shall be allowed which will change the non-profit status of the IAL.

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Approved at a General Meeting of the IAL at IMC 10 in Bangkok, 5 August 2014

## BID FOR IAL10 – 2024

### TRIESTE

Herewith we propose Italy as a candidate for host country for the 10<sup>th</sup> IAL Symposium in 2024, and **Trieste** (<https://en.wikipedia.org/wiki/Trieste>, Friuli-Venezia Giulia, NE Italy) as the host town.

*Why Italy?* – In Italy there is a friendly group of c. 150 professional and amateur lichenologists organized in the Italian Lichen Society (Società Lichenologica Italiana, SLI, established 1987) who are active on a wide spectrum of lichenological topics: taxonomy; lichen-associated microorganisms; biodiversity, biology and ecophysiology; lichens and habitats conservation; environmental biomonitoring; and lichens and cultural heritage. With our experience acquired from hosting 32 national congresses in the last 30 years, we thought it was time for extending our hospitality to our fellow IAL members, who will be interested in visiting a country—and a town—rich in culture, history and innovation.

*Why Trieste?* – Trieste is a seaport city, located close to the border with Slovenia and very well-connected internationally: it can be reached by plane, train, and bus from Italy and abroad. There are daily flight and train connections with major Italian cities such as Rome, Venice, and Milan. Because of its historical background and location, it is a multicultural and multilingual centre, bridging Western Europe with Eastern Europe. Trieste was the 2020 European Capital of Science and the venue of the EuroScience Open Forum (ESOF 2020) conference. The city hosts a high concentration of international scientific institutions and boasts a long tradition as a dynamic and international hub for research, science, culture and innovation. It is, after all, the place where the first meeting of the newly born SLI was held, and the seat of the largest group of Italian lichenologists working in an Italian University. Also, surrounding Trieste is a variety of diverse ‘environments’, which span from Mediterranean habitats, to the Classical Karst Plateau with its unique cave system, as well as deciduous forests and archaeological sites. There is also a plethora of points of cultural interest in the city centre, such as theatres, museums and historical buildings. And, last but not least, the city offers a wide choice of restaurants and bars to enjoy Italian coffee and our unique cuisine moulded by Italian, Austrian and Slovenian traditions.

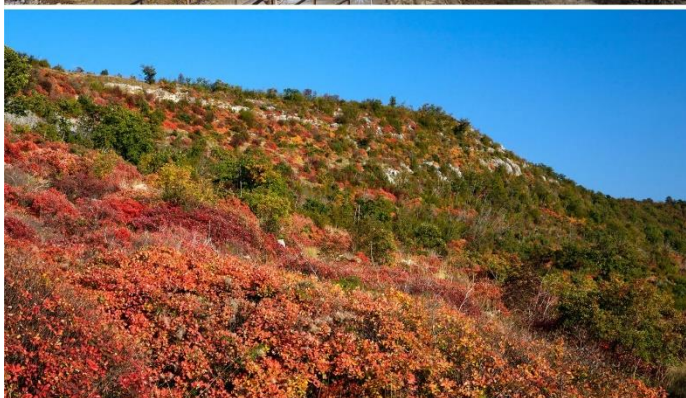
The planned venue is the newly built Trieste Convention Center (TCC), located within the historical port of the city, close to the city centre on the waterfront, offering a panoramic view over the Gulf of Trieste. The venue can be reached by foot (only 15 minutes) and bus as well as by ferry, which departs hourly from the city centre. The TCC consists of a main auditorium that can more than 1500 people, as well as further smaller lecture rooms where 50 to 400 people can be hosted; a big hall for poster presentation; a cafeteria; and a pleasant, open space outside the building. The venue also possesses facilities to guarantee on-line participation in the congress (or in individual congress sessions), if necessary.

The strategic position of Trieste provide opportunities for reaching several other locations, both in Italy (eg Venice, Milan, Padua, Bologna, Florence etc.) and abroad, such as in Slovenia, Austria and Croatia.

We will propose field trips and lichenological excursions in the Alps, the Adriatic coasts of Istria, Dalmatia and Peninsular Italy—as well as a bit further away, such as in the Apennines.

The organization of the congress will be coordinated by the SLI Board, supported by lichenologists working in Trieste (namely, Fabio Candotto Carniel, Lucia Muggia, Stefano Martellos, Pier Luigi Nimis, Mauro Tretiach), and by all other SLI members. After 12 years, we are excited to announce our candidacy, and will work hard to offer the participants a great experience. We look forward to hosting the 10th IAL Symposium in Trieste, Italy, in 2024.





Thank you,

*The Board of the Italian Lichen Society: Renato Benesperi, Sergio Favero Longo, Paolo Giordani, Lucia Muggia and Sonia Ravera (President).*



## BID FOR IAL10 – 2024

### LISBON

Portugal in general, and Lisbon in particular, have been constantly increasing in importance as tourist destinations, as evidenced by the many awards won in the last years:

<https://www.worldtravelawards.com/profile-8079-turismo-de-lisboa>

Such international importance signals a high receptivity capacity of the city, in terms of room and board, with restaurants and accommodations available at any price.

Lisbon has an important international airport that allows easy connections with all European capitals as well as extra-European cities: <https://www.aeroporto lisboa.pt/pt/lis/home>.

Culture, entertainment, and traditions make staying in Portugal a truly unforgettable experience.



Photo by Luca Paoli



Photo by [Paulo Evangelista](#) on [Unsplash](#)

### Faculty of Science (FCUL), Universidade de Lisboa

Located inside the city and with more than 5000 students, the research carried out at FCUL (<https://ciencias.ulisboa.pt/>) is internationally recognized. Currently, 3 ERC grant-funded projects are running in the two research centers (cE3c and CIUHCT).

FCUL hosts many national and international congresses, conferences, meetings, advanced courses, etc. For example, in 2019 we hosted the congress of the European Ecological Federation (<https://eeflisbon2019.org/>) as well as the XXII Symposium of Cryptogamic Botany (<http://criptogamica2019.rd.ciencias.ulisboa.pt/>).

FCUL can easily be reached by public transportation (subway and buses), and has several restaurants, cafeterias and canteens in the campus and in the surroundings.

The Aula Magna can host several hundreds of people, and there are other rooms available for parallel sessions or working-group meetings.

All committee members belong to the Center for Ecology, Evolution and Environmental Changes (<https://ce3c.ciencias.ulisboa.pt/>) and include lichens in their research activities. All of them have experience in the organization of international scientific meetings.

Both cE3c (<https://ce3c.ciencias.ulisboa.pt/outreach/scoo/>) and FCUL (<https://ciencias.ulisboa.pt/en/communication-and-image-area>) have Communication and Outreach Offices that would guarantee a proper and timely dissemination of information about the congress,

and a financial department and secretariat that would be in charge of financial management and administrative processes.

The covid19 situation necessitated that all academic activities of the FCUL were moved to an online format. This means that our technological resources have been upgraded to handle intense activity (ie online lessons, scientific meetings, working meetings, etc.). Therefore, if necessary, it will be possible to offer online participation of some kind.

### **Tentative list of committee members**

Silvana Munzi  
Cristina Máguas  
Cristina Cruz  
Cristina Branquinho  
Pedro Pinho  
Paula Matos  
Bernardo Rocha

All members have experience in the organization of national and international meetings, conferences, symposia and advanced courses, both in-person and online. We present some of them below:

### **Silvana Munzi**

I have extensive experience in organizing national and international meetings, both as a member of scientific committees (definition of the sessions, the contents, selection of invited speakers, definition of the program, etc.) and organizing committees (defining the schedule, reserving the rooms, contacting restaurants, catering, etc.).

- Member of the scientific committee of the meeting “Air Pollution threats to Plant Systems”, combining the 3rd International Conference on “Ozone and Plant Ecosystems”, the IUFRO Research Group on “Air Pollution and Climate Change Impacts on Forest Ecosystems” and CaperMed IV, to take place in Paphos in Cyprus, September 2021.
- Member of the scientific and organizing committee of the third “Committee on Air Pollution Effects Research in Mediterranean Environment” meeting held in Pamplona, Spain, 20-21 June 2018.
- Member of the scientific and organizing committee of the second “Committee on Air Pollution Effects Research in Mediterranean Environment” meeting held in Brescia, Italy, 28-30 June 2016.
- Member of the scientific and organizing committee of the 8<sup>th</sup> Congress of the International Symbiosis Society held in Lisbon, Portugal, 12-18 July 2015.
- Member of the organizing committee of annual national congresses of the Italian Lichen Society held at Siena (Italy), 13-14 September 2007; Rome (Italy), 2-5 October 2012; and Montecatini Terme (Italy), 15-17 October 2014.
- Member of the organizing committee of the first “Committee on Air Pollution Effects Research in Mediterranean Environment” meeting held in Lisbon, Portugal, 3-4 July 2014.
- Member of the organizing committee of the post-docs meeting “Time for Science”, 1 June 2012, University of Lisbon (Portugal).
- Organizer of the excursion to Oasi di Burano in cooperation with the Italian Lichen Society and the Italian Botanical Society, 2010.
- Member of the organizing committee of the meeting of the Italian Lichenological Society working group on biomonitoring “Determination of Biological Index of Epiphytic Lichens”, Foiano (Italy), 2007.
- Secretariat at the Biomap 4 - 4<sup>th</sup> International Workshop on Biomonitoring of Atmospheric Pollution, Agios Nikolaos, Greece, 2006.



In particular I call your attention to the 8<sup>th</sup> Congress of the International Symbiosis Society held in Lisbon, Portugal, 12-18 July 2015, for which I was both the proposer and main organizer.

I also have experience in different areas, but all related to administration of funding and organization:

- Member of the Executive Committee and Secretary of the International Symbiosis Society (July 2018-ongoing).
- Member of the Steering Committee and Treasurer of the Italian Lichen Society.
- Editor of the scientific journal “Symbiosis” (2015-ongoing).
- Member of the cE3c Scientific Committee, Universidade de Lisboa, Portugal (2014-ongoing).

I am also involved with the organization of multiple courses and dissemination activities.

Finally, I started working in November 2020 as Project Manager of an ERC project. I will serve in this role for five years, ensuring my presence here at FCUL until 2025.

### **Cristina Cruz**

2020: Organization of the symposium “Microbioma: Forum of microorganisms in agriculture”, in collaboration with the companies Agromarketing (Spain) and Ideagro (Spain), 25 March, Lisbon (Portugal).

2019: Organization of the symposium “Soil provides ecosystem services under natural and man-made environments” under the “15th European Ecological Federation Congress & 18th SPECO Meeting - Ecology - Ecology across borders: Embedding Ecology in Sustainable Development Goals”, 29 July-2 August, Lisbon (Portugal).

2016: Organization, with Professor Doctor Ajit Varma (Amity University, India), of the “World Congress on Symbiosis”, October 19-21, New Delhi (India).

2015: Organization, with Doctor Silvana Munzi (Faculty of Sciences, University of Lisbon, Portugal), of the “8th ISS (International Symbiosis Society) Congress”, 12-18 July, Lisbon (Portugal).

2014: Organization, with Doctor Teresa Dias (Faculty of Sciences, University of Lisbon, Portugal), of the “XV Portuguese-Spanish Symposium on Mineral Plant Nutrition - NutriPlanta 2014”, December 6-8, Lisbon (Portugal).

2014: Organization, with Professor Doctor Ajit Varma (Amity University, India), of the “Afro-Asian Congress on Microbes for Human & Environmental Health (MicrobioTech 2014)”, 24-26 September, Noida (India).

2014: Organization, with Doctor Silvana Munzi (Faculty of Sciences, University of Lisbon, Portugal), of the “Committee on Air Pollution Effects on Mediterranean Ecosystems” (CAPERMed), 3-6 July, Lisbon (Portugal).

2014: Organization of the symposium “Root socialization: the basis for improved productivity and nutrient use efficiency” under the “18th Nitrogen Workshop - The nitrogen challenge: building a blueprint for nitrogen use efficiency and food security”, 30 June-3 July, Lisbon (Portugal).

2013: Organizing Committee of the “7th International Congress on Mycorrhiza (ICOM 7)”, 6-11 January, New Delhi (India).

2013: Organization, with Professor Margarida Oliveira (Institute of Chemical and Biological Technology, Portugal), of the “XIII Luso-Spanish Congress of Plant Physiology”, 24-28 July, Lisbon (Portugal).

2011: Organizing Committee of the “International Conference on Green Biotech”, 12-13 November, New Delhi (India).

2010: Organization, with Professor Catarina Kasuya (University of Viçosa, Brazil), of the “Brazilian Congress of Biostimulants”, November 15-20, Viçosa, Minas Gerais (Brazil).

2010: Organization, with Professor Doutor Rodriguez Sanches (University of Zaragoza, Spain), of the “Congress of Fijación del Nitrogeno”, 23-28 October, Zaragoza (Spain).

2010: Organization, with Professor Nuria Ferol (University of Granada, Spain), of the “Soil Biodiversity” symposium, 25-28 September, Seville (Spain).

2010: Organization, with Professor Dr. Begoña Conçalez (University of the Basque Country, Spain), of the “X Congress on Mineral Nutrition of Plants”, 10-24 September, San Sebastián (Spain).

2009: Organizing Committee of the “1st National Conference on Science and Technology” (ENAD), October 20-21, Luanda (Angola).

2009: Organizing Committee of the “Annual Meeting of the Portuguese Science Society do Solo”, 8-10 July, Faro (Portugal).

2009: Organizing Committee of the Theoretical and Practical Course on “Plant-Microorganism Interactions and its Use in the Production of Biofertilizers”, 23-26 November, Oeiras (Portugal).

### **Pedro Pinho**

Pedro has a PhD in Biology- Ecology and currently works as an invited researcher on the effect of environmental changes on ecosystems functioning and provision of services, considering changes with both natural and human origins: urbanization, desertification and land degradation, climate alterations, eutrophication and land-use/cover. He has participated in 35 Research and Development projects with international, national and private funding and has 55 IF publications and h-index of 19. Many of these projects and publications have included the study of lichen ecology and their use as ecological indicators worldwide.

Pedro has extensive experience in congress organization (most recently, the XXII Symposium of Cryptogamic Botany) where he has served as part of the scientific committee, as well as session and symposium chair (most recently at the European Ecological Federation and IUFRO - International Union of Forest Research Organization). He also organizes multiple advanced courses within cE3c (e.g. Urban Ecology: the green within the city and Lichens as a Tool for Interpretation of Environmental Changes and Management).

### **Lisbon info**

Lisbon (Portuguese: Lisboa) is the capital and the largest city of Portugal.

**Language:** The official language is Portuguese. English is widely spoken.

**Timezone:** UTC0 (1 hour behind European Standard Time [GMT]), summer UTC+1

**Phone calls:** Country Code: +351; Lisbon Prefix: 21

**Passport and visas** - European Union citizens need only a valid identification card in order to enter Portugal. Passports are necessary for nationals of countries outside the European Union. Visas are required for non-European citizens who plan to stay in Portugal for more than 90 days. Again, depending on nationality, tourists might also be required to hold a Visa regardless of the duration of their stay in Portugal. Please contact your local Portuguese Embassy, Consulate, or your Travel Agency for further information.

**Climate:** Lisbon has a Mediterranean climate that is mild with dry, hot summers and moderate seasonality. Daily mean temperature in July ranges between 18°C (65°F) and 28°C (82°F). Sea breezes off the Atlantic Ocean bring some relief on hot days. Average annual temperature of the sea is 17.5°C (63.5°F).

A 30 SPF sunscreen is recommended.

**Transportation:** Lisbon's [Portela Airport](#) is located within the city limits and has an underground [Metro de Lisboa](#) station at the Southern edge of the Terminal 1 arrivals area. The metro red line connects the city centre and the other three subway lines with the airport every 6 to 9 minutes, from 6:30 a.m. to 1:00 a.m.; the metro takes 16 minutes to reach the city centre and 5 minutes to [Gare do Oriente](#) train and bus station.

**Carris** city buses stop just outside Terminal 1 arrivals, with bus route 783 and night route 208 connecting to downtown and main train stations. Two Aerobus routes prepared for travel luggage connect the airport with the downtown area.

**Taxis:** The city is served by 3.500 taxis, and a taxi ride from the airport to the city centre should cost between 8.00 € and 15.00 €. The usual urban taxi fares can be found at: <https://taxislisboa.com/tarifas/>. Taxis are widely used by the locals, and compared to taxi fares in other countries, Lisbon taxis are still considered a rather inexpensive means of transportation.

**Currency:** The official currency of Portugal is the Euro. Subunits refer to 1, 2, 5, 10, 20 and 50 cents, and they come in coins. Coins also refer to 1 and 2 euro coins. Banknotes refer to 5, 10, 20, 50, 100, 200 and 500 euro bills.

Banks offer the best exchange rates. The highest density of banks can be found in the Baixa district, but are widely distributed. As a rule, they are open Monday to Friday, roughly speaking between 8.30 a.m. and 3 p.m. ATMs are largely available.

**Tips:** Gratuities are optional, but usually we give 10% for taxis, restaurants and cafeterias.

**Electricity:** In Portugal, sockets are designed according to the European standards (two-pin sockets) and they are supplied with 220/380 volts. Appliances requiring American-type plugs must be used with adapter plugs.

**Medical care:** Clinics and hospitals provide round-the-clock emergency service. The national emergency phone number is 112.

**Smoking:** The Portuguese law, in accordance with Regulations in force in the majority of European Countries and the USA, does not allow smoking in any public transportation or in any closed public areas. (Some restaurants, bars and discotheques may have a designated smoking area).

*Silvana Munzi*



## THE 9<sup>TH</sup> IAL SYMPOSIUM – ONLINE FROM BRAZIL AUGUST 1–6, 2021

**REGISTRATION FEES** (register at: <https://doity.com.br/ial9/inscricao>)

**Professionals \$150**

**Postdoctoral Researchers \$125**

**Graduate Students (MSc/PhD) \$100**

**Undergraduate Students \$75**

\* If you are from a developing country, you may receive a \$25 discount if you request it via email ([ial9@boineventos.com.br](mailto:ial9@boineventos.com.br)).

**KEYNOTE SPEAKERS**

**André Aptroot:** “The four lichen floras of Brazil”

**Arnildo Pott & Geraldo Alves Damasceno Júnior:** “Brazilian biomes”

**Cécile Gueidan:** “Using next generation sequencing approaches to build on the importance of lichen collections”

**Ester Gaya:** “Yellow, orange, red alert: How to make sense of processes of diversification and genera delimitation in the Teloschistaceae”

**Lucia Muggia:** “Fungi and algae: from interactions to relationships”

**Peter Nelson:** “Remoter sensing of lichens across spatial and spectral scales to visualize traits”

**Robert Lücking:** “Taxonomy in the 21st Century: Trade-off between scientific accuracy and practicability?”

**WORKSHOPS** (<https://doity.com.br/ial9/blog/workshops>)

**All workshops are FREE for IAL9 registered participants.** All will be available directly from our website on the day of the workshop, so no sign-up required; except Workshop 3, which will hold a pre-meeting session in July.

**WORKSHOP #1: Manejo de muestras y listas de especies de líquenes en el Consorcio de Herbarios de Líquenes en América Latina (CHLAL).** EN ESPAÑOL. Instructors: Frank Bungartz (Arizona State University, USA) & Jesús E. Hernández M. (National Herbarium of Venezuela).

**WORKSHOP #2: Breaking the Stigma: Characters and Identification of *Usnea*.** IN ENGLISH. Instructor: Alice Gerlach (Botanical Research Institute of Texas).

**WORKSHOP #3: IUCN Lichen Red Listing Workshop.** IN ENGLISH. Instructors: Jessica Allen (Eastern Washington University) and Rebecca Yahr (Royal Botanic Garden Edinburgh). SIGN UP NEEDED via the form: <https://forms.gle/sKcXxZUCoP18WhpA8>

**WORKSHOP #4: Track Global Lichen Diversity with Community Science on iNaturalist.** IN ENGLISH & EN ESPAÑOL (2 sessions). Instructors: Ann Evankow (University of Oslo, Norway), Alejandro Huereca Delgado (University of Alberta, Canada) and Klara Scharnagl (University of California, Berkeley).

**WORKSHOP #5: Introdução à LIQUENOLOGIA.** EM PORTUGUÊS. Instructor: Adriano A. Spielmann.

**SYMPOSIA** (<https://doity.com.br/ial9/blog/symposia>)

**There will be 12 symposia (1h45min - five speakers each), divided into four broad topics and organized by two lichenologists:**

**COMPLEXITY OF THE LICHEN SYMBIOSIS**

- [Ecology, evolution and diversity of lichen algae](#). Andreas Beck & Eva Barreno
- [Eco-evolutionary dynamics of symbiotic interactions](#). Nicolas Magain & Garima Singh
- [Lichen-associated microorganisms](#). Lucia Muggia & Sergio Pérez-Ortega

**ORIGINS AND QUANTIFICATION OF LICHEN EVOLUTION**

- [Macroevolution of lichens](#). François Lutzoni & Pradeep Kumar Divakar
- [Genomics and bioinformatics](#). Silke Werth & Philipp Resl

- [New approaches to harness data from herbarium specimens](#). *Cecile Gueidan & Manuela Dal Forno*

### THE WORLDWIDE PICTURE OF LICHEN DIVERSITY

- [Biodiversity of Neotropical lichens](#). *André Aptroot & Lidia I. Ferraro*
- [New developments in the taxonomy of the Lecanoraceae](#). *Christian Printzen & Lucyna Śliwa*
- [Paleotropical lichens](#). *Ulla Kaasalainen & Paul Kirika*

### LICHEN PHYSIOLOGY, ECOLOGY AND CONSERVATION BIOLOGY

- [The expanding and diversifying field of lichen secondary chemistry](#). *Edit Farkas & Daniele Armaleo*
- [Lichens as invaders of rocks and control strategies](#). *Sergio Enrico Favero Longo & Asuncion De Los Ríos*
- [Lichens and climate change: a multi-scale challenge](#). *Christopher Ellis & Paolo Giordani*

**Plus MORE TOPIC SESSIONS on fungal systematics, genomics, conservation, chemistry, ecology, photobionts, etc.**

### PRELIMINARY SCHEDULE

View the live version here: ([https://docs.google.com/document/d/1ibwdFpTHPM4DV-S2sT\\_11ZWbVth8Lx2MZ8y9jHrzABU/edit?usp=sharing](https://docs.google.com/document/d/1ibwdFpTHPM4DV-S2sT_11ZWbVth8Lx2MZ8y9jHrzABU/edit?usp=sharing))

**Saturday (31-Jul):** Workshops 2, 3 (part 1), 4 (English version) and 5

**Sunday (01-Aug):** Workshops 3 (part 2) and 4 (Spanish version) + **OPENING CEREMONY**

**Monday (02-Aug):** Keynote (1h) + 4 (1h45-min Symposia) + Posters + 2 (1h Lighting Talks)

**Tuesday (03-Aug):** Keynote (1h) + 4 (1h45-min Symposia) + Posters + 2 (1h Lighting Talks)

**Wednesday (04-Aug):** Keynote (1h) + 4 (1h45-min Symposia) + Posters + 2 (1h Lighting Talks)

**Thursday (05-Aug):** Keynote (1h) + 4 (1h45h Topic Sessions) + Posters + IAL General Meeting

**Friday (06-Aug):** Keynote (1h) + 4 (1h45h Topic Sessions) + Posters + Closing Ceremony (including presentation of IAL awards and handing over to a new IAL Council)

**Saturday/Sunday (07/08-Aug):** Workshop 1

**\*\*\*There will also be virtual social events every day!**

### SOCIAL MEDIA @IAL9Brazil

We are on Twitter, Facebook and Instagram all with the same hashtag: **@IAL9Brazil**

This is the best way of getting up-to-date information about the event and getting your questions answered. During the event, don't forget to engage with others and tag us!

### MEET THE COMMITTEES MAKING THIS EVENT POSSIBLE

#### Organizing Committee

- **President:** Marcela Cáceres (Universidade Federal de Sergipe)
- **Vice-President:** Adriano A. Spielmann (Universidade Federal de Mato Grosso do Sul)
- **Secretaries:** Luciana Canêz (Universidade Federal de Mato Grosso do Sul), Manuela Dal Forno (Botanical Research Institute of Texas), Natália Koch (University of Minnesota)

#### Social Media Committee:

- Ana Fávaro (Universidade Federal de Lavras)
- Carlos Augusto Vidigal Fraga Júnior (Universidade Federal do Espírito Santo)
- Laina Caroline de Santana Pereira (Universidade Federal de Sergipe)



**Scientific Committee:**

- Manuela Dal Forno (Botanical Research Institute of Texas) - Chair
- Christopher Ellis Royal (Botanic Garden Edinburgh)
- Marcela Cáceres (Universidade Federal de Sergipe)
- Martin Grube (University of Graz)
- Mats Wedin (Swedish Museum of Natural History)
- Natália Koch (University of Minnesota)
- Paul M. Kirika (National Museums of Kenya)
- Silke Werth (University of Munich)

Hope to see you online soon!

*Manuela Dal Forno, Marcela Cáceres and Mats Wedin*

## NEWS

### **CSIR-NBRI, LUCKNOW (INDIA) TO ORGANIZE A LICHEN WORKSHOP**

CSIR-National Botanical Research Institute, Lucknow (India) will be organizing an online workshop entitled “Integrative Systematics of Lichens – Identification to Bioprospecting”, during July 5 – 7<sup>th</sup>, 2021. The workshop is sponsored by the Science and Engineering Research Board, New Delhi under the ‘Accelerate Vigyan Karyashala’ scheme. The following topics will be dealt in the workshop: general accounts of lichen diversity in India; classical and molecular methods in lichen identification; bioprospecting potential of lichens; and ecological methods in studying lichens. Dr. T.S. Rana, Chief Scientist, is the convener, and Dr. S. Nayaka is the organizing secretary of the workshop.

*Sanjeeva Nayaka*  
*Secretary, ILS; Scientist*  
*CSIR-NBRI, Lucknow*  
[nayaka.sanjeeva@gmail.com](mailto:nayaka.sanjeeva@gmail.com)

### **NEWS FROM GENÈVE**

Philippe Clerc retired last year from the head curator position of the Cryptogamic Herbarium in the Conservatoire et Jardin botanique de la Ville de Genève (G). He will be succeeded during the coming year by Juan Carlos Zamora from Madrid. Juan Carlos’ official title will be Curator of the Fungi and Algae herbaria. All loan requests concerning bryophytes, myxomycetes, fungi (non lichenized or lichenized) and algae should be sent to the following address: [herb-crypto.cjb@ville-ge.ch](mailto:herb-crypto.cjb@ville-ge.ch). The head curator position at G will be filled by Michelle Price.

Philippe will continue to maintain a workspace in the herbarium, as well as his current email address ([philippe.clerc@ville-ge.ch](mailto:philippe.clerc@ville-ge.ch)), and so will continue his research there, mainly on the systematics of the genus *Usnea*.

*Philippe Clerc*

## COLLECTION OF SYMBIOTIC MICROALGAE OF THE UNIVERSITY OF VALENCIA, ASUV

The "Lichen Symbiogenesis" research team has developed the "*Collection of Symbiotic Microalgae of the University of Valencia*", ASUV ([www.asuvalgae.com](http://www.asuvalgae.com)), through the design of original protocols for the isolation of phycobionts from lichen thalli collected in different locations of ecological and chorological interest. This collection, maintained by UVEG technician Dr. Salvador Chiva, is the only one of its kind in Spain and provides the University of Valencia with important basic and applied scientific benefits. A specialized chapter has been written \* BARRENO E. (2019) called "Colección de microalgas simbiotas de líquenes-Ficobiontes", in the book: "Collections of Natural History of the Universitat de València" Anna García-Forner (Ed.) pp. 26-30 (Publications of the Universitat de València, ISBN: 978-84-9133-270-1). In this important book, the natural history collections of the UV are officially compiled and recognized. A link to this publication can be found here: [https://www.researchgate.net/publication/352479074\\_Collection\\_Lichen\\_Symbiont\\_Microalgae\\_ASUV](https://www.researchgate.net/publication/352479074_Collection_Lichen_Symbiont_Microalgae_ASUV)



ASUV microalgae collection (Photo: Salvador Chiva)

Because of their strong relationship with the ASUV, three important aspects of the UV natural history collections should also be highlighted:

1. The collections of lichens and microalgae-phycobionts generated by the Dept. of Botany and Geology of the Faculty of Biological Sciences of the UV (Burjassot, Valencia) form part of the scientific patrimony of the ICBiBE, where they have the necessary infrastructure for their conservation. To this end, it is essential to manage the cataloguing, inventory, restoration, conservation, characterization and dissemination of the collections, promoting the prestige of the University of Valencia through its Cultural Heritage and its links with society.

2. The Lichen Herbarium (VAL) has an enormous amount of material: Approximately 9,000 dry-preserved specimens, from numerous collections made in Mediterranean and Macaronesian ecosystems of the Iberian Peninsula, the Balearic and Canary Islands, as well as across the Northern hemisphere, from California, Mexico to China, the Alps, Siberia and Argentina. Although this heritage is very important due to its high biodiversity, there are also some 800 specimens that are maintained in refrigerators at 4°C, and in freezers at -20°C and -80°C, with the aim of preserving their genetic material for molecular studies. This type of preservation of samples should be adopted by more lichen herbaria, since population studies are often required nowadays—and, in the case of lichenic microalgae—the DNA tends to degenerate after a period of time if the lichens are dry-preserved in the herbarium. This portion of the collection is maintained in propagation units of lichen microalgae, which are kept in six growth chambers under controlled light and temperature conditions. These *in vitro* cultures are essential for the molecular characterization of their biodiversity; deposit/typing of new species; genomic analysis; and physiological/biochemical experiments to reveal the reason for their metabolic capabilities, their adaptation to extreme conditions, the production of substances of biotechnological interest, and industrial or therapeutic applications. The refrigerated material has also made possible genomic sequencing of *Trebouxia* sp. TR9 and *T. jamesii*, which have added value to the collection.

3. Thanks to this collection, it has been possible to formally describe several new species for science, and to maintain the types and isotypes in culture. Over the last year, a series of improvements have been made to the conservation and management of the Symbiotic Algae Collection of the University of Valencia (ASUV): a) Training of technical staff with the aim of learning new techniques for the conservation and management of microorganisms, and applying them to the strains in the ASUV microalgae collection; b) Improvements in the use of the two conservation methods in the collection: Cryopreservation at -20°C and -80°C, and periodic reseedling (often necessary due to poor culture media, lowering storage temperature, sparse inoculation); c) alternative backup via the "ASUV backup" collection in cryovials frozen at -80°C at the Science Park Foundation.

*Eva Barreno and Salvador Chiva*

## OBITUARIES

### IN MEMORY OF SVETLANA TCHABANENKO 1954 – 2018

On October 10, 2018 Dr. Svetlana Tchabanenko tragically died in a road accident. Energetic, fit, always ready to leave immediately for an expedition, an internship in a foreign research lab, a conference or to visit a theatre or a museum – she always seemed younger than her years, thanks to her inexhaustible optimism and extraordinary affability.

Svetlana Tchabanenko was born on 13 February 1954 in Sakhalin, in the town of Kholmsk. During the years 1973-1978, she studied at the Faculty of Biology of Kharkov State University. But Svetlana's lichenological career began in 1980 in the Russian Far East in the Lazovsky State Reserve. In 1990, she defended her Ph.D. thesis "Lichens of the Lazovsky State Reserve and Adjacent Territories". In 1992, Svetlana returned to Sakhalin, where she worked until 2018 as the Deputy Director for scientific work at the Sakhalin Botanical Garden. At the same time as working in the Botanical Garden, Svetlana lectured at Sakhalin University, where she was an Assistant Professor in the Department of Nature Management.



Svetlana had been carrying out lichenological research in Kamchatka; the Baikal coast; small islands off the coast of the maritime region; in the Khasansky district and the highlands of the Sikhote-Alin ridge; in Khabarovsk Krai; Abkhazia; and many other regions. She was also studying the lichen flora of several State Reserves (Kedrovaya Pad', Yugansky, Kurilsky, Poronaisky and Bryansky Les). Svetlana also spent considerable time in applied research, where she contributed to comprehensive environmental studies in nature reserves such as Malye Kurily, Tundrovoy, Ostrovnoy, Severny and dozens of others in Sakhalin and the Primorsky Krai. As a result of this enormous work, the largest and most important lichen herbarium in the Russian Far East (the lichenological "sector" of the SAKH herbarium), was established and currently includes more than 30,000 specimens.

In 2002, Svetlana compiled the available literature on the lichen flora of the south of the Russian Far East. In 2018, Svetlana and her scientific team obtained a research grant from the Russian Foundation for Basic Research and the Japanese Foundation for the Advancement of Science. As an outcome of this project, the first checklist of the lichens of Sakhalin was prepared with Svetlana's important contributions – her last of about 100 total scientific publications.

With Svetlana Tchabanenko's assistance, seven lichen species new to science were described, including three species of the genus *Hypogymnia*.



Svetlana Tchabanenko during a joint fieldtrip in Sakhalin with Christoph Scheidegger and Alexander Taran in June 2002 (Photo: Christoph Scheidegger).

Throughout her scientific career, Svetlana shared her scientific expertise with other lichen labs worldwide during several long internships, where she worked closely with several excellent lichenologists: in 1987 with Professor H.V. Trass (University of Tartu, Estonia); in 1994 with R. Santesson and R. Moberg (University of Uppsala, Sweden); in 1998 with B. McCune (Oregon State University, USA); in 2012 with Y. Ohmura (National Museum of Nature and Science, Tsukuba, Japan) and H. Takahashi (Hokkaido University, Sapporo, Japan); and in 2014 with Ch. Scheidegger (Swiss Federal Institute for Forest, Snow and Landscape Research WSL, Birmensdorf, Switzerland).

Despite her workload, Svetlana was a very caring mother, and the most tender and patient grandmother. Her family, friends and colleagues – we still cannot believe that Svetlana is no longer alive. It seems that she is just on another long trip – on an internship or an expedition, about to return, and share her impressions and photos of the blue-blue sea or the bright green jungle...

Evgeniya Muchnik  
Dr. hab., ass. Prof., Senior Researcher of  
Forest Research Institute of Russian Academia of Science

**KLÁRA VERSEGHY**  
**1930 – 2020**



Klára Verseggy was born on 2 February 1930 in Budapest. She was most active in the field of lichenology from 1953 to 1985, but her last major work on the Hungarian lichen flora was published during her retirement period in 1994. She moved to Keszthely, near Lake Balaton, after 1985, where she completed her famous manuscript „Magyarország zuzmóflórájának kézikönyve. [The handbook of the Hungarian lichen flora]”. She lived there with her beloved husband, and after his death, alone for about a decade. She died on 3 November 2020, Keszthely.

Her father was an officer and her mother a housewife. Klára was their only child. They lived in Budapest, thus Klára Verseggy studied to become a biology and chemistry teacher at the Eötvös Loránd University, graduating in 1953. Soon after, she began work in the Hungarian Natural History Museum, Budapest and became the curator of the Lichen Collections. She continued this job for 32 years following Ödön Szatala, the former curator. At the beginning of her career she was very active in writing popular papers and giving lectures on lichens for a wider public; later on, she concentrated on her scientific work with increasing international relevance, publishing mostly in German. For decades she represented Hungarian lichenology at international scientific conferences. She kept close contact with e.g., Aino Henssen, Matti Kauppi, Hildur Krog and corresponded with several other lichenologists of her time.

Klára prepared her university doctoral studies on the revision of the genus *Ochrolechia* in Europe and defended her thesis „Az európai *Ochrolechia* fajok monográfiája. [Monographie der europäischen *Ochrolechia*-Arten]” in 1958 in Debrecen, eventually publishing her results under the title „Die



*Gattung Ochrolechia*” in *Nova Hedwigia Beih.* in 1962. In 1964, she compiled the „Typen-Verzeichnis der Flechtensammlung in der Botanischen Abteilung des Ungarischen Naturwissenschaftlichen Museums”. After further taxonomic (*Caloplaca*, *Gasparrinia*, *Squamaria*, *Squamarina*) and floristic (Zemplén, Bakony, Őrség, Kiskunság) studies, she addressed the subject of production biology in the framework of the International Biological Programme (IBP). She defended her dissertation on „Zuzmóprodukció, produktivitas és annak feltételei száraz homoki gyepekben. [Lichen-production, -productivity and its conditions in xerophytic grasslands on sandy soil]” for the degree of „candidate of biological sciences” in 1980. After this, Klára began work on pollution bioindication in Budapest, publishing her results together with her students (László Lőkös and Edit Farkas— see figure below).



László Lőkös, Klára Verseggy and Edit Farkas, taken on 12 May 2010 in Keszthely (Photo: A. Guttova).

While in her late thirties, she married Dr Árpád Patay, later indicating a name change with an abbreviation („P.”) or sometimes as „Verseggy-Patay” in her publications. She had 106 publications, 21 of which were directed at the general public (Farkas et al. 2021).

Farkas, E., Lőkös, L., Varga, N., Veres, K. (2021): In memoriam Klára Verseggy (1930–2020). *Studia Botanica Hungarica* **52**(1), in preparation.

*Edit Farkas  
Vácrátót, Hungary*

**RICHARD CLINTON HARRIS**  
**1939 - 2021**



Richard C. Harris, 2008, Bruce Peninsula, Ontario

North American lichenology has lost one of its greatest lichen taxonomists with the death of Richard (Dick) Harris on May 10, 2021. Dick succumbed to heart failure at his home in Putnam County, north of New York City. William (Bill) Buck, his partner for 47 years, was at his side. Dick had been very ill since suffering a stroke in late December.

Dick was best known to the international lichenological community through his many publications on pyrenocarpous lichens, but his knowledge of lichens was broad and deep, and he knew the lichens of eastern North America better than anyone living. This knowledge was enthusiastically shared with not only his “official” students such as Lois Brako, Anja Amtoft and James Lendemer, but with dozens of committed amateurs who regularly attended the Tuckerman Workshops, which he and Bill Buck instituted in 1994 to help train a new generation of lichen experts.

His field work extended from the Subantarctic Islands to the Caribbean and included almost all parts of eastern America, but especially Florida, New York State and the Ozark Mountain region. An excellent, detailed biography of Dick was prepared by Bill Buck on the occasion of Dick’s 70<sup>th</sup> birthday and is accessible online (Opuscula Philolichenum 7: vii-xvi. 2009). [Opuscula Philolichenum \(nybg.org\)](http://nybg.org).

Dick Harris, like myself and Cliff Wetmore (who died only a year ago), were students of Henry Imshaug. I first met him in 1963 when he visited Michigan State University and stopped by the graduate student offices to inquire about what it might be like to work with Imshaug. After chatting with Dick, Cliff and I both strongly encouraged him to apply. We thought he would be an ideal student for Henry, and that certainly turned out to be true, even though Henry and Dick didn’t always see eye to eye. In many ways, Dick was much like Henry: meticulous, hard-working, loving field-

work and a bit crusty at times. I believe that, despite their differences of opinion, Henry highly admired Dick for his knowledge and accomplishments.

My personal indebtedness to Dick Harris is due, not only for the many times he gave me help in sorting out lichen problems, but for his constant support before, during and after the preparation of the text for "Lichens of North America." In 1995, he arranged for me to stay and work at the New York Botanical Garden for several weeks. When I arrived at the herbarium, Dick dropped everything he was doing to essentially serve as my assistant in gathering data for mapping dozens of species that appeared in the book. He later reviewed the manuscript for Yale University Press and made dozens of excellent suggestions for improvements. I will never forget his generosity and support.

I will miss Dick, but, with the exception of Bill Buck, I think he will be missed most by the many talented and dedicated amateur lichenologists in eastern North America whom he mentored and encouraged.

Irwin M. Brodo  
Canadian Museum of Nature,  
Ottawa, Ontario K1P 6P4, Canada.  
[ibrodo@nature.ca](mailto:ibrodo@nature.ca)

## PERSONALIA

### UPDATES FROM PETER COHEN

I had been a member of IAL for 20 years, but dropped membership for several years. I have rejoined IAL with great excitement. I have been a Lichenologist and Lichen Chemist (following in the footsteps, but way behind, of the late Dr Siegfried Huneck, Dr Jack Elix and Bill and Chicita Culberson) for 25 years. I have specialized in the Southeast Asia Lichen flora of Malaysia, Indonesia, Singapore, Philippines and Myanmar. I am in the process of publishing two guide books, *Lichens of Malaysia* and *Lichens of Indonesia* (with the great and very late assistance of Zahlbruckner and Nylander). My Doctoral degree, PhD [*Summa Cum Laude*] in Lichenology and Interdisciplinary Biology came from the University of British Columbia, Vancouver, Canada and a *Doctorat Habilitation (Maître de conférences)* from the *Université de Strasbourg* in France working in the laboratory of the late Head of the French Academy of Sciences, Monsieur Guy Ourisson. I have collected lichens in 22 countries, I was an Assistant Curator of Lichens at the University of Michigan, Ann Arbor (1999-2002) and I maintain my own herbarium (with 1200 exsiccata specimens) with the critical assistance of my 16 year-old daughter. Finally, I was an Assistant Professor of Biology at Adelphi University in New York and an Associate Professor at Chaminade University in Honolulu, Hawaii. I formally retired in 2013.

Peter Cohen, PhD,  
[petercohen@hotmail.com](mailto:petercohen@hotmail.com)

### KERRY KNUDSEN – THE MAGIC OF LICHEN

The California lichenological podcast: <https://podcast.naturesarchive.com/2021/04/12/knudsen/>.

Kerry Knudsen



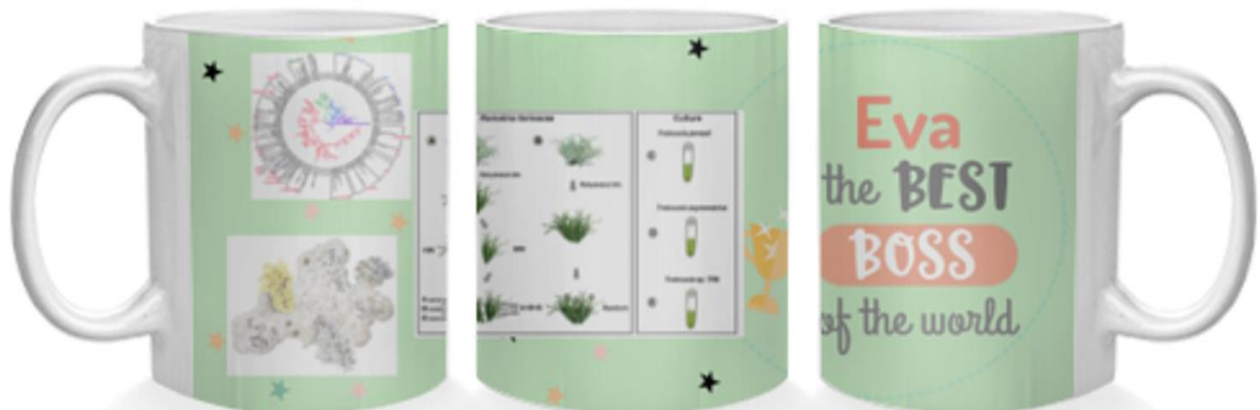
## BIRTHDAY AND RETIREMENT OF PROFESSOR EVA BARRENO

In November 2020, David H.S. Richardson (Editor-in-Chief) and Lucia Muggia (Issue-editor) edited a special Volume (82, issue 1-2) of the journal *Symbiosis* as a Festschrift dedicated to Eva Barreno. This issue is centred on lichens, as they have been the main focus of the scientific career of Professor Barreno. On the occasion of her 70th birthday, in recognition of her contributions to lichenology, this Festschrift issue gathers original research covering many aspects of the lichen symbiosis.



Eva Barreno (Photo: Ana Márquez)

The traditional view of lichens as symbiotic phenotypes originating from the interactions of a single fungal partner, and one or few photosynthetic partners, has been extended in recent years. There have been several discoveries which have uncovered an unexpected complexity and diversity in the lichen symbiotic system.



The issue begins with a tribute to Eva Barreno's scientific and academic career, and this is followed by twelve scientific contributions. The short biography, with several anecdotes, was prepared by Ana Crespo, Pradeep Divakar and Arnaldo Santos, Eva's friends and colleagues. They provide a remarkable and invaluable portrait of the chapters of Eva Barreno's professional life. The twelve contributions range from traditional approaches to studying lichen diversity and their physiology, by means of morpho-anatomical analyses using light and electron microscopy, culture isolations and phylogenetic systematics, to the most modern sequencing techniques and the development of computer-aided keys to facilitate species recognition. The studies on lichens, and their individual symbiotic fungal and algal partners, reveal diverse ecologies, growth forms and genetic diversity worldwide. In addition, particular physiological responses to different environmental conditions are highlighted as models for the study of symbiosis.

A link to the Festschrift can be found here:

<https://www.springer.com/journal/13199/updates/18648892>

In addition, on Saturday 5 December 2020, several researchers from Eva's team (Dr. Patricia Moya, Dr. Arantxa Molins, Dr. Salva Chiva, etc.), with the help of the director of the Botanical Garden of the University of Valencia (Dr. Jaime Güemes), organised a surprise homage to her. It took place in the Auditorium and was attended by a large, fun and vibrant group of participants including lichenologists, family and close friends, who attended either in-person, or virtually (via the Zoom platform) as well as via pre-recorded videos (<https://sybiolichen.blogs.uv.es/2021/06/16/festschrift-eva-barreno/>).



Auditorium of the Botanical Garden (Ana Márquez)



As part of these celebrations, Eva received an original volume of the *Symbiosis* journal. This was a tremendous, very pleasant surprise, which moved her deeply. She felt very happy, but also overwhelmed by all the recognition that her scientific career has received.



Retirement of Eva Barreno (*Lichen Symbiogenesis team*)

Due to covid-19 protocols, until now it had been impossible to hold a celebration with the “Lichen Symbiogenesis” research team, but finally on 15th June, ten members were able to meet in a traditional Valencian winery and restaurant (see photo) to celebrate Eva's upcoming retirement in August 2021, and her nomination as professor emeritus by the UV.

*Marisa Barreno*

## NEW PH.D. THESIS

**Salvador Chiva** successfully defended his Ph.D. thesis on “SELECTION PATTERNS OF MICROALGAE IN TERRESTRIAL LICHEN COMMUNITIES ON BIOCRUSTS”—supervised by Eva Barreno, Arantzazu Molins and Patricia Moya—on 31st January 2020 at the Faculty of Biology, University of Valencia, Spain. The jury was composed of Lucia Muggia and María Prieto (advisors), Carolina Cornejo, Pradeep Divakar and Manuel Casares.

Salvador's thesis addresses the species diversity of biological soil crusts (BSC) with a special focus on lichen symbioses in the Mediterranean region, and has, indeed, thoroughly covered different aspects of the BSC communities formed by terricolous lichens. In addition, it investigates species diversity, together with the phylogenetic relationships among the lichen species as well as the

symbiotic interactions of specificity among the lichen partners (i.e. the fungal and algal symbionts). The methodological approaches he applied are topical and range from phylogenetic analyses to phylogeography, and from traditional Sanger sequencing approach to the most current new generation sequencing, i.e. high throughput sequencing (HTS) analyses for metabarcoding analyses. The results were timely and innovative, as they present a new outline of evolutionary patterns found within lichen soil crusts in the Mediterranean Basin. In particular, the results are presented within a frame of geological/climatic events which I believe could serve as a pointer to understand species diversity in other (microbial) communities, or even model species diversity in a scenario of climate change.



Due to all the restrictions of the COVID pandemic, no advertising was done during 2020. However, most of the contents have already been published in ISI/Web of Science-ranked journals. In addition, Salvador actively participated in national and international scientific meetings, presenting his research either as a poster or as an oral presentation.

A list is provided:

- Moya P., Škaloud P., Chiva S., García-Breijo F.J., Reig-Armiñana J., Vančurová L., Barreno E. (2015). Molecular phylogeny and ultrastructure of the lichen microalga *Asterochloris mediterranea* sp. nov. from Mediterranean and Canary Islands ecosystems. *Int.J. Systematic and Evolutionary Microbiology*, 65: 1838-1854. doi:10.1099/ij.s.0.000185
- Moya P., Chiva S.; Molins A.; Jadrná I; Škaloud P.; Peksa O.; Barreno E. (2018). *Myrmecia israeliensis* as the primary symbiotic microalga in squamulose lichens growing in European and Canary Island terricolous communities. *Fottea, Olomouc*, 18(1): 72–85. doi: 10.5507/fot.2017
- Chiva, S., Garrido-Benavent, I., Moya P., Molins A. & Barreno, E. (2019). How did terricolous fungi originate in the Mediterranean region? A case study with a gypsicolous lichenized species. *Journal of Biogeography*, 46 (3): 515-525. <http://dx.doi.org/10.1111/jbi.13519>
- Moya P.; Molins A.; CHIVA, S., Bastida, J. & Barreno, E. (2020). Symbiotic microalgal diversity within lichenicolous lichens and crustose hosts on Iberian Peninsula gypsum biocrusts. *Scientific Reports* 10(1):14060, August. doi: 10.1038/s41598-020-71046-2

- Moya, P.; Chiva, S.; Molins, A.; Garrido-Benavent, I.; Barreno, E. (2021). Unravelling the Symbiotic Microalgal Diversity in *Buellia zoharyi* (Lichenized Ascomycota) from the Iberian Peninsula and Balearic Islands Using DNA Metabarcoding. *Diversity* 13: 220. <https://doi.org/10.3390/d13060220>
- Molins, A., Chiva, S., Calatayud, Á. et al. (2020). Multidisciplinary approach to describe *Trebouxia* diversity within lichenized fungi *Buellia zoharyi* from the Canary Islands. *Symbiosis* 82: 19–34. <https://doi.org/10.1007/s13199-020-00722-8>
- Chiva, S.; Dumitru, C.; Bordenave, C.; Barreno, E. (2021). *Watanabea* green microalgae (Trebouxiophyceae) inhabiting lichen holobiomes: *Watanabea lichenicola* sp. nova. *Phycological Research*. DOI: 10.1111/pre.12463 (in press)

Eva Barreno

## NEW IAL MEMBERS

**Ann Evankow**, PhD Research Fellow at the Natural History Museum, University of Oslo, working on the Integrative Taxonomy of the Psoraceae, e-mail: [ann.evankow@nhm.uio.no](mailto:ann.evankow@nhm.uio.no).

**Jesse Manuel Graves** completed their Bachelor of Arts and Science degree in June 2020 at The Evergreen State College, where they were a member of Dr. Lalita Calabria's research lab. They are currently unaffiliated and live in New York City, USA. Jesse Manuel's interests include the biochemistry and secondary chemistry of the lichen symbiosis, email: [jgraves000@gmail.com](mailto:jgraves000@gmail.com)

**Teruyuki Kubo** has written a history of lichen use in East Asia as his MPhil thesis; other scientific interests: working on history of medicinal plants in East Asia, including lichens. Institute of East Asian Studies, Zhejiang Gongshang University, PRC, email: [earth\\_clothes@hotmail.com](mailto:earth_clothes@hotmail.com)

**Sanjeeva Nayaka**, PhD, Senior Principal Scientist, Lichenology Laboratory, CSIR-National Botanical Research Institute, Rana Pratap Marg, Lucknow, 226001, India. Email: [nayaka.sanjeeva@gmail.com](mailto:nayaka.sanjeeva@gmail.com)

**Seth Raynor**, Botanical & Ecological Contractor, scientific interests: lichen and plant diversity, ecology, fire ecology, and conservation, e-mail: [sethraynor@gmail.com](mailto:sethraynor@gmail.com)

**Ulrike Ruprecht**, PhD, scientific interests: ecology, biodiversity, distribution, taxonomy, fungi/algae/bacteria associations and conservation of lichens and biological soil crusts in Austria, Antarctica, subantarctic areas in South America and Arctic areas. Paris Lodron Universität Salzburg, Fachbereich Biowissenschaften, Hellbrunnerstraße 34, 5020 Salzburg, Austria, e-mail: [ulrike.ruprecht@sbg.ac.at](mailto:ulrike.ruprecht@sbg.ac.at), home: [www.uni-salzburg.at/ulrike.ruprecht](http://www.uni-salzburg.at/ulrike.ruprecht)

**Stephen Sharrett** is a student at The Evergreen State College in Olympia, WA USA who is currently involved in undergraduate research with Dr. Lalita Calabria. This summer they will be conducting intuitive, controlled searches for *Pseudocyphellaria raineriensis* to further document the status, extent, and abundance of this species in Washington State. Other scientific interests: lichen and bryophyte floristics, lichen biodiversity and genomics, and biodiversity conservation, email: [stephensharrett@gmail.com](mailto:stephensharrett@gmail.com)

**Henrique Valim**, scientific interests: molecular evolution and population genetics of the circadian clock in the lichen symbiosis. Senckenberg Biodiversity and Climate Research Centre, Senckenberganlage 25, 60325 Frankfurt/Main, Germany, e-mail: [henrique.valim@senckenberg.de](mailto:henrique.valim@senckenberg.de)



## NEW BOOKS

**Czyżewska, Krystyna** (2020): The lichenized, lichenicolous and other non-lichenized allied fungi of Central Poland. A catalogue. W. Szafer Institute of Botany in Kraków, Polish Academy of Sciences. 241 pp.. DOI: 10.35535/978-83-62975-40-2. ISBN: 978-83-62975-40-2. Available on-line from <https://botany.pl/index.php/pl/books-journals-pl/books-pl>.

The book is the first comprehensive catalogue of lichenized, lichenicolous and allied fungi species of Central Poland and summarizes over hundred years of lichenological investigations of lichenbiota in this region. The list contains 604 accepted species reported from this region. Lichens are represented by 557 species (including 11 infraspecific taxa); lichenicolous fungi by 36 species; lichenicolous myxomycetes by two species; and other non-lichenized fungi by 9 species. Due to uncertain identity, 24 species are excluded from the list. Each taxon is accompanied by notes on its habitat, distribution in Central Poland and references. The catalogue is based mainly on literature data, but several species, especially those rare or rarely recorded in the region or in Poland, are supplemented with additional, previously unpublished records.

*Martin Kukwa*

**Pieter P.G. van den Boom** (2021): Foliicolous lichens and their lichenicolous fungi in Macaronesia and atlantic Europe. Bibliotheca Lichenologica, Band 111. 197 pp., 101 figures. ISBN 978-3-443-58090-2, paperback, 89.00 € Further information (table of contents, synopsis): <https://www.schweizerbart.de/9783443580902>

A review of this book will be published in the December 2021 issue of the Newsletter.

## LIST OF SOCIETIES

**Australasia:** Australasian Association for Lichenology. Info: W.M. Malcolm, Box 320, Nelson, New Zealand 7040. Phone: (+64) 3-545-1660, e-mail: [nancym@clear.net.nz](mailto:nancym@clear.net.nz)  
Journal: *Australasian Lichenology*, web-page: <http://nhm2.uio.no/botanisk/lav/RLL/AL/>

**Brazil:** Grupo Brasileiro de Liquenólogos (GBL). E-mail: [BrazilianLichens@gmail.com](mailto:BrazilianLichens@gmail.com); Web-page: <https://brazilianlichens.wixsite.com/website>,

**Central Europe:** Bryologisch-lichenologische Arbeitsgemeinschaft für Mitteleuropa (BLAM). Contact: Martin Nebel, Wellingstr. 14, 70619 Stuttgart, Germany, e-mail [nebel\\_martin@web.de](mailto:nebel_martin@web.de), web-page: <http://blam-bl.de/>  
Journals: *Herzogia*, *Herzogiella*, web-page: <http://www.blam-hp.eu/herzogia.html>

**Colombia:** Grupo Colombiano de Liquenología (GCOL). Info: Bibiana Moncada. E-mail: [bibianamoncada@gmail.com](mailto:bibianamoncada@gmail.com); web page: <http://grupocolombianodeliquenologia.blogspot.com/>

**Czech Republic:** Bryological and Lichenological Section of the Czech Botanical Society. Chairperson: Svatava Kubešová, e-mail: [svata.kubesova@gmail.com](mailto:svata.kubesova@gmail.com), web-page: <http://botanika.bf.jcu.cz/bls/english/index.html>  
Journal: *Bryonora*, web-page: [http://botanika.prf.jcu.cz/BLS/bryonora\\_en.php](http://botanika.prf.jcu.cz/BLS/bryonora_en.php)



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

**Estonia:** Mycology Society, Estonian Naturalists' Society, Struve 2, Tartu 51003, Estonia, web-page: <http://mukoloogiauhing.ut.ee/avaleht> (in Estonian). Chairman: Külli Kalamees-Pani, e-mail: [kulli.kalamees-pani@ut.ee](mailto:kulli.kalamees-pani@ut.ee)

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](mailto:teuvo.ahiti@helsinki.fi)  
Journal: *Karstenia*, web-page: <http://www.karstenia.fi/index.php>

**France:** Association française de Lichénologie (AFL). Président: Jean-Pierre Gavériaux, e-mail: [jp.gaveriaux@numericable.fr](mailto:jp.gaveriaux@numericable.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](http://www.afl-lichenologie.fr/Afl/Publications_afl.htm)

**Great Britain:** The British Lichen Society (BLS). C/o: Department of Botany, The Natural History Museum, Cromwell Road, London SW7 5BD, UK. President: Dr. A. Pentecost. Secretary: P.A. Wolseley. For membership go to <https://my.britishlichensociety.org.uk/>, Society web-page: [www.britishlichensociety.org.uk/](http://www.britishlichensociety.org.uk/)

Journal: *The Lichenologist* (accessible via Cambridge Core <https://www.cambridge.org/core/journals/lichenologist>); *British Lichen Society 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. Sanjeeva Nayaka, e-mail: [indianlichenology@gmail.com](mailto:indianlichenology@gmail.com), web-page: <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](mailto:sohrabi@irost.org)

**Italy:** Società Lichenologica Italiana (SLI). President: Sonia Ravera, via del Labaro 54, I-00188 Roma, e-mail: [presidente@lichenologia.eu](mailto:presidente@lichenologia.eu), 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](http://www.lichenologia.eu/index.php?procedure=pubbl_not)

**Japan:** The Lichenological Society of Japan (LSJ): President: Hiromi Miyawaki, e-mail: [miyawakh@cc.saga-u.ac.jp](mailto:miyawakh@cc.saga-u.ac.jp), web-page: <http://eng.lichenjapan.jp/>

Journal: *Lichen*, web-page [http://lichenjapan.jp/?page\\_id=19](http://lichenjapan.jp/?page_id=19)

The Japanese Society for Lichenology (JSL). President: Kunio Takahashi, contact email (secretary): [kawahara@kansai-u.ac.jp](mailto: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](mailto:sparrius@blwg.nl), web-page: <http://www.blwg.nl>

Journals: *Buxbaumiella* and *Lindbergia*, web-pages: [www.buxbaumiella.nl](http://www.buxbaumiella.nl) (open access) and [www.lindbergia.org](http://www.lindbergia.org) (open access)

**Nordic Countries:** Nordic Lichen Society (Nordisk Lichenologisk Förening, NLF). President: Ave Suija, e-mail: [ave.suija@ut.ee](mailto: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: Catherine LaFarge, contact e-mail: [clafarge@ualberta.ca](mailto:clafarge@ualberta.ca), 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](mailto: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:, contact e-mail: [president@californialichens.org](mailto:president@californialichens.org), web-page: <http://californialichens.org/>  
Bulletin: *Bulletin of the California Lichen Society*, web-page: [http://californialichens.org/?page\\_id=15](http://californialichens.org/?page_id=15)

**North America, East:** Eastern Lichen Network. Info: Marian Glenn, e-mail: [glennmar@shu.edu](mailto:glennmar@shu.edu), web-page: <http://www.nybg.org/bsci/lichens/elcn/>

**Poland:** Lichenological Section of the Polish Botanical Society (Polskie Towarzystwo Botaniczne). President: Beata Krzewicka, W. Szafer Institute of Botany Polish Academy of Sciences, Lubicz 46, PL 31-512 Kraków, Poland, [b.krzewicka@botany.pl](mailto:b.krzewicka@botany.pl), web-page: <http://www.porosty.varts.pl/>

**Slovakia:** Slovak Botanical Society – Lichenological Working Group, c/o Institute of Botany, Slovak Academy of Sciences, Dúbravská cesta 9, 841 01, Bratislava 4, Slovakia. Info: Alica Košuthová, e-mail: [alica.kosuthova@savba.sk](mailto:alica.kosuthova@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: Susana Calvelo, e-mail: [scalvelo@crub.uncoma.edu.ar](mailto:scalvelo@crub.uncoma.edu.ar)  
Journal: *GLALIA*, web-page <http://nhm2.uio.no/botanisk/lav/RLL/GLALIA/>

**Spain:** Sociedad Española de Liqueología (SEL). President: Isabel Martínez, e-mail: [isabel.martinez@urjc.es](mailto:isabel.martinez@urjc.es), secretary: Sergio Pérez-Ortega, e-mail: [sperezortega@rjb.csic.es](mailto:sperezortega@rjb.csic.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](mailto: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](mailto:praesidium@bryolich.ch), web-page: [http://www.bryolich.ch/index\\_en.html](http://www.bryolich.ch/index_en.html)  
Journal: *Meylania*, web-page: [http://www.bryolich.ch/meylania/meylania\\_en.html](http://www.bryolich.ch/meylania/meylania_en.html)

**Venezuela:** Grupo Venezolano de Liqueólogos (GVL). Info: Jesús Hernandez, e-mail: [Jeshernandezm@gmail.com](mailto:Jeshernandezm@gmail.com), web-page: [www.bit.ly/lqvzla](http://www.bit.ly/lqvzla)

**Auditor:** Ulf Arup, Botanical Museum, Lund University, Sölvegatan 37, 223 62 Lund, Sweden.  
Email: [ulf.arup@biol.lu.se](mailto:ulf.arup@biol.lu.se)

**Vice Auditor:** Starri Heidmarsson, Icelandic Institute of Natural History, Akureyri Division, Borgir  
vid Nordurslod, IS-600 Akureyri. Iceland. Email: [starri@ni.is](mailto:starri@ni.is)

**IAL Nomination Committee:**

Rebecca Yahr, Royal Botanic Garden Edinburgh, 20A Inverleith Row, Edinburgh, EH3 5LR, U.K.  
Email: [r.yahr@rbge.org.uk](mailto:r.yahr@rbge.org.uk)

Toby Spribille, Division of Biological Sciences, University of Montana, 32 Campus Drive, Missoula,  
MT 59812, U.S.A. Email: [toby.spribille@mso.umt.edu](mailto:toby.spribille@mso.umt.edu)

Jolanta Miadlikowska, Department of Biology, Duke University, 137 Bio Sciences, 130 Science  
Drive, Durham, NC 27701, USA. Email: [jolantam@duke.edu](mailto:jolantam@duke.edu)

**The cover-page illustration**

*Sticta aongstroemii* Dal Forno, Moncada & Lücking (Ascomycota: Peltigeraceae) from a remnant  
of Atlantic Forest in Brazil near Campos do Jordão-SP (Photo: *Manuela Dal Forno*).