

2022 International Youth Forum for Wood Anatomy and the 9th IAWA-China Group Annual Meeting

The 2022 International Youth Forum for Wood Anatomy and the 9th IAWA-China Group Annual Meeting will be held on December 9-12, 2022 in Guangzhou, China. The theme of the conference is “Wood Anatomy and Wood Utilization -- Future for Ecozoic Era and Community”. The conference will be organized by South China Agricultural University (Guangzhou), co-sponsored by IUFRO D5 and IAWS. From 2022, the newly established Sherwin Carlquist Award by IAWA will be given to excellent speakers of the Youth Forum for Wood Anatomy with a certificate and grant, which will be elected by the International Scientific Committee of the Forum. The deadline for abstract submission is October 20th, 2022.

Please visit for details: http://iawa-website.org/en/Meeting/Future_Meetings/article_204.shtml

Lichao Jiao, China

New Date of 4th World Teak Conference 2022

The Organizers of 4th World Teak Conference (TEAKNET, IUFRO DIV5.06.02, ITTO, and FAO) have now announced the new date for the 4th WTC which is to be held from 5-8 September 2022, Accra, Ghana. Because of the global pandemic, the conference will be held adhering to the COVID-19 protocols.

P. K. Thulasidas, India

Meeting reports

Side Event on Xylarium Networking and Wood Identification of the XV World Forestry Congress, Seoul, May 5, 2022

The Side Event on Xylarium Networking and Wood Identification of the XV World Forestry Congress was held in Seoul, Republic of Korea, with a simultaneous online conference, on May 5th, 2022, organized by the Centre for Standardization of Sustainable Forest Management Instruments the Ministry of Environment and Forestry (MoEF) and the National Research and Innovation Agency (BRIN), Republic of Indonesia. The theme of the conference was “Promoting Legal Timber Trade through Developing Xylarium Networking and Integrated Wood Identification System”. Dr. Wening Sri Wulandari, the Director of the Centre for Standardization of Sustainable Forest Management Instruments - MoEF, Indonesia, gave opening remarks, and Director of Processing and Marketing of Forest Products – MoEF, Dr. Krisdianto chaired the meeting.

During the side event, there was one keynote lecture and five oral presentations. The keynote speech from Ir. Ary Sudijanto as Director General of Agency for Standardization of Environment and Forestry Instrument - MoEF, Indonesia, stated that “The development of a standardized identification system is very urgent to support the timber sustainability assurance system at the national and international levels”.

Listya Mustika Dewi from BRIN, Dr. Hans Beeckman from Royal Museum for Central Africa, Dr. Ratih Damayanti from BRIN and Xylarium Bogoriense, Alex C. Wiedenhoef, Ph.D. from United States Department of Agriculture, and Prof. Yafang Yin from Research Institute of Wood Industry, Chinese Academy of Forestry, presented their research referring to the academic benefits of xylaria, the challenges of databasing xylaria, and the novel development of wood identification methods and technologies. Over 100 representatives took part in this side event. Please contact ratih.damayanti@brin.go.id and dyahayuagust91@gmail.com for more detailed information.

The Benefits of Xylarium

- Research**
 - Wood anatomy and basic properties
 - Commercial timber classification
 - Development of automatic wood identification system
- Legal and Custom**
 - Wood identification to combat ilegal logging
 - Wood identification for timber as legal evidence
- References**
 - Wood identification for industries, archeology, paleobotany

Long-term carbon storage

XV WORLD FORESTRY CONGRESS

Room 307B
Dyah Ayu - BRIN
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Krisdianto
Dyah Puspasari | BSILHK...
Adriana Costa
Listya Mustika Dewi
Soenarno
Felipe - IBAMA
Sulastiningsih - BRIN
BRIN - Dr. Ratih Damayanti
Mario Ramos
Ary Sudjanto - KLHK
Yafang Yin
Alex C. Wiedenhoelt
Ling Chea Yiling
Kim VAFS
Thasneem
Pratiwi - BRIN
gunawan rahmanto
Anna Tyler
Aryani_MoEF
Kidung Tirtayasa
Thomas
Charles Alex Paita

Miscellaneous News

IW Bailey Award 2021

The recipient of the 2021 IW Bailey award is Shohei Yamagishi, Graduate School of Agriculture, Hokkaido University awarded for his paper entitled: Artifacts lipid coatings on intervessel pit membranes in dried xylem tissues of some angiosperms, IAWA Journal 42 (4), 2021: 365–383, DOI 10.1163/22941932-bja10060.



The judges commented: "This paper explores the composition and possible artifactual appearance of pit membrane incrustations (PMIs). A comprehensive set of species were studied using Cryo-TOF-SIMS SEM and chemical analysis with TOF-SIMS. The paper concludes that these coatings may well be artifactual and could lead to misleading conclusions being drawn about the structure and function of the intervessel pit membranes.

Studies of pit membrane structure and function are essential to the advancement of our understanding of water transport in plant stems. The field of study is focusing very closely on the behavior and physical and chemical features of the pit membrane which has a critical role in maintaining water transport and preventing the spread of cavitation. This paper presents a comprehensive and meticulous analysis of a problem. It provides a step-by-step answer to the issues arising from the presence of possible artifacts in the preparation of wood samples and challenges previously held assumptions."

From 2014 onwards, the IW Bailey Award is presented annually for the best original or review paper submitted to the IAWA Journal by a PhD candidate or postdoc who has completed her/his PhD no longer than five years since the submission of her/his manuscript. All subject matters published in the IAWA Journal are eligible: wood, bark, palm, bamboo, and rattan anatomy and ultrastructure, preferably linked to other fields such as, for instance, plant physiology, ecology, tree biology, pathology and decay, plant systematics and phylogeny, paleobotany, climatology, archaeobotany, wood properties, biomechanics, and wood culture. The Award consists of a certificate and €1000, sponsored by Brill Publishers. We also thank the judges of this year's award, Nigel Warwick and Yoon Soo Kim for their time and effort.

*Lloyd Donaldson & Marcelo Pace
Editors in Chief – IAWA Journal*

Carlquist Special Issue to be Published in 2023

This is a call for proposals for papers for a special issue of the IAWA Journal commemorating the career of Sherwin Carlquist (1930-2021). Sherwin Carlquist was arguably the most important figure in the field of comparative wood anatomy. He made numerous truly foundational contributions to the field, including systematic wood anatomy, and especially functional wood anatomy. Like any major scientific figure, his work was rooted in its time and place and reflected Sherwin's particular approach to science. This special issue will provide thoughtful interpretation of this legacy to honor his contributions and reflect on the way forward for the field.

We invite proposals for manuscripts that explain, interpret, critique, or otherwise use a specific idea, approach, or paper(s) of Sherwin's as their starting point. Some authors will examine one or more of his comparative hypotheses in the light of current physiological knowledge, including the vulnerability to drought-induced embolism-conduit diameter link, the physiological significance of bordered pits on ray cells, and Sherwin's hypotheses on the function of vested pits. Other authors will examine his

inferential strategy, the meaning of the term "primitive" in his work, and other authors will treat historical aspects of his work. In your proposal, please indicate which paper, papers, books, etc., of Sherwin you would like to react to and how you plan to carry out your discussion. We have considerable editorial leeway, so please feel free to propose multi-authored papers, short or long, empirical or conceptual. Funding is available to make all papers open access.

The issue will be the first of 2023, with the manuscript first submission being September 1st of 2022. Invited editors for this special edition: Joyce G. Onyenedum, Mark E. Olson, and Marcelo R. Pace

For questions and inquiries marcelo.pace@ib.unam.mx

Marcelo Pace, Mexico

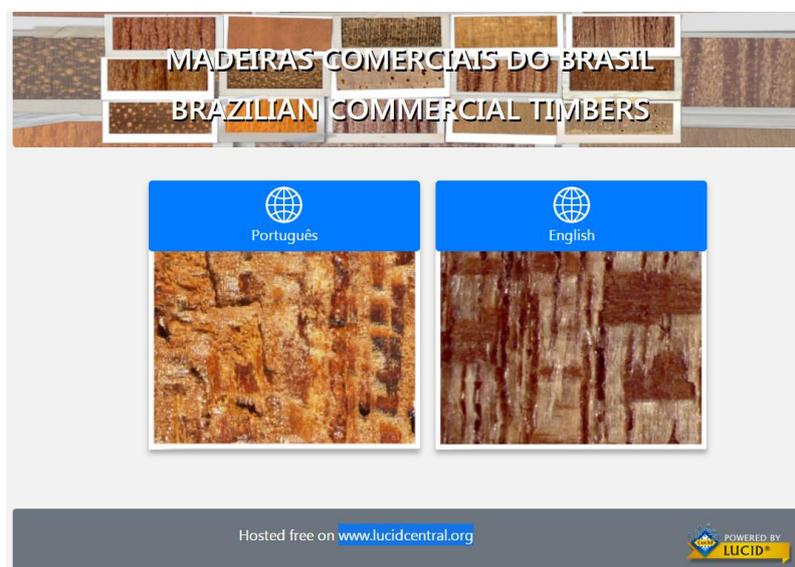
New Interactive Identification Key for Brazilian Commercial Timbers: A tool against illegal deforestation in the Amazon

The Interactive Identification Key of Brazilian Commercial Timbers works as a tool to help inspection agents fight against illegal forest logging by providing information about different timber species. It was developed by the Forest Products Laboratory (LPF) of the Brazilian Forest Service (SFB) using the Lucid Platform (Lucidcentral - Identification and Diagnostic Tools). It is the result of a partnership with the Federal Police of Brazil, with the support of the Amazon Cooperation Treaty Organization (ACTO) and the Convention on International Trade in Endangered Species of Wild Fauna and Flora (CITES) through the CITES Tree Species Programme (CTSP Programme). It was developed based on the general and anatomical characteristics of wood, which can be observed with the help of a pocket knife and a magnifying glass. This tool works as a database of general and anatomical characteristics of wood, such as color, density, and conservation status. Each species and some of its characteristics have additional images to help the identification process. The user will be able to compare the sample identified with the images available in the tool. The observed characteristics can be selected in the system, which discards the species that do not match the criteria provided. It filters the list of species available, leaving just the ones with the selected characteristics.

The database has information on 275 commonly commercialized wood species in Brazil and species listed in CITES Appendices. The selection of the species listed in CITES Appendices was made especially considering the growth of the international trade of Brazilian wood to avoid the illegal harvest of endangered species. In this context, the key is available in Portuguese and English, making it possible for the tool to be used in other countries. Data for all species were obtained from the analysis of samples from the scientific wood collection of the Forest Products Laboratory (Xylarium Dr. Harry van der Slooten).

The key access link is https://keys.lucidcentral.org/keys/v4/madeiras_comerciais_do_brasil/

Tereza Cristina Monteiro Pastore, Brazil



IAWA Financial Audit 2021

On 6 April the IAWA Audit Committee composed of René Klaassen and Leen van den Oever scrutinised the financial records over the fiscal year 2021 of the IAWA accounts in Leiden, Madison, and Nanjing. They found the books kept by Cees Lut and Ingrid de Kort (Leiden), Regis Miller (Madison), and Zhai Shengcheng (Nanjing) in excellent order. The finances of IAWA are very healthy, and the auditors strongly recommended the IAWA Council and Executive invest more money, for instance by providing student travel grants for future meetings and buying Open Access from our publishers for invited papers in the IAWA Journal, especially for the forthcoming Sherwin Carlquist Memorial issue. Following the hard work of the auditors in the home of René Klaassen an excellent dinner was enjoyed in the famous Wageningen restaurant " t Gesprek " ("the Conversation") to which I had kindly been invited (see photo).

Pieter Baas, Netherlands



Leen van den Oever, Pieter Baas, Ingrid de Kort, Cees Lut, and René Klaassen (from left to right)

Note of E-access to IAWA Journal

If any IAWA members are having problems with e-access to the IAWA Journal please report to Cees Lut (iawa.financial.office@gmail.com) He will then contact BRILL Publishers, the publisher of the IAWA Journal, about your problem.

*Ingrid de Kort and Cees Lut
IAWA Office Leiden (the Netherlands)*

Call for Newsletter Items

The IAWA Newsletter will keep the IAWA community actively informed and stimulate members to visit the IAWA website for the latest and detailed news. Please send any news items you wish to share with the whole IAWA community to the newsletter editors Dr. Shan Li (lishan.ecology@hotmail.com) or Dr. Lichao Jiao (jiaolc@caf.ac.cn) of the IAWA Office, Beijing.

Call for Manuscripts of IAWA Journal 2022

The editors of the IAWA Journal would like to encourage new manuscript submissions for volume 43, 2022. A reminder that subscribers/IAWA members can register for 'table of contents' alerts on the IAWA Journal homepage. The first issues of Vol. 43 will be printed as a combined issue (1 & 2) due to the change in page layout from 2022 onwards. This combined issue is now available online. Issues 3 and 4 will be published as separate issues as normal.

*Lloyd Donaldson & Marcelo Pace
Editors in Chief – IAWA Journal*