IAWA Newsletter - November 2020

IW Bailey Award 2020

The joint recipients of the 2020 IW Bailey award are Dr. Joyce Chery (Cornell University, USA) and PhD Candidate Israel Lopes da Cunha Neto (University of São Paulo, Brazil) awarded for their paper entitled: Wood anatomy of the neotropical liana lineage *Paullinia* L. (Sapindaceae), IAWA Journal 41 (3), 2020: 278-300. DOI: 10.1163/22941932-bja10027. This year is the first time for awardees from the Americas and the first joint award.

Joyce Chery

Israel Lopes da Cunha Neto

The judges commented: “This is a beautifully executed and illustrated study on the fascinating subject of wood anatomy in lianas. It demonstrates well how classical approaches that start with the collection of specimens, preparation of thin sections, and observations of wood anatomy are very important and provide key information on both the systematic relationship and biology of woody plants. In this case, the authors show that the wood anatomy of Paullinia is likely the result of combined phylogenetic and functional constraints. We also really appreciated the fact that they applied for a joint nomination and have explained how their collaboration came to be: in addition to being a very sound study their work highlights the positive results of collaboration in science.”

“Chery & Cunha Neto have studied the fascinating wood anatomy in the lianescent Paullinia clade of the Sapindaceae family. They tease apart the functionally adaptive syndrome typical of the climbing habit in tropical lianas, and the phylogenetically conserved features typical of the entire Sapindaceae, which mainly consist of trees and erect shrubs. Chery and Cunha Neto had independently embarked on the study of Paullinia stem anatomy at Cornell and USP, São Paulo, respectively. It is to their great credit, that after finding this, they pooled their data and produced this joint paper, which will stand as an important monograph, as well as an innovative study of the functional significance of cambial variants in tropical lianas.”

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, Carmen Marcati, Pieter Baas, Yoon Soo Kim, and Anne-Laure Decombeix for their time and effort.

Lloyd Donaldson & Marcelo Pace
Editors in Chief – IAWA Journal

Future Meetings

The 7th Annual Meeting of IAWA-China Group, Lin-an, Zhejiang, China, November 28-29, 2020

The Seventh Annual Meeting of IAWA-China Group will be held in person at Lin-an city, Hangzhou, Zhejiang Province of China on November 28-29, 2020. The conference is organized by the Zhejiang Agricultural and Forestry University (ZAFU), sponsored by IAWA, IUFRO (5.16.00 and 5.06.00), and IAWS together. The theme of the meeting is "Strengthening the protection and utilization of forestry resources, broadening the research fields of wood anatomy and wood science", containing topics of wood anatomy and wood identification, sustainable utilization of precious timber resources, interdisciplinary integration of wood anatomy, wood collections and databases, wood anatomy of bamboo and rattan, archaeological wood and dendrochronology. The Excellent Presentation Awards (EPA) of the IAWA-China Group will be provided to qualified students during the meeting. The deadline for abstract submission (to 794009421@qq.com) is November 15, 2020. Please contact the conference secretary Wenzhu Li: lwz@zafu.edu.cn for more details.

Biao Pan & Shengcheng Zhai, China

Q-NET: New Network on Quantitative Wood Anatomy & Virtual Workshop on November 30, 2020

The Q-NET, a new community-based network on Quantitative Wood Anatomy (QWA) is announced, and the first virtual Q-NET workshop is going to be held on November 30, 2:00-5:30 pm CET (GMT+1). Q-NET workshops are 'idea markets' profiting from an interdisciplinary network for developing and elaborating new collaborative ideas, defining standards, advancing methodology, creating synergies from a larger and more diverse network, developing proposals and publications, etc. The topics of the 1st Q-NET workshop can be found at https://qwa-net.com/workshops. Participation is reserved for Q-NET members and is free of charge. For further information on this initiative of Q-NET and how to sign up, please visit https://qwa-net.com.

Georg von Arx & Holger Gärtner, Switzerland
Q-NET Coordination Group

IAWA Fossil Wood Symposium in Prague, Czech Republic, Postponed to May 1-7, 2021

The IAWA Fossil Wood Symposium, dedicated to the memories of Prof. Dr. Herbert Süß (1920-2017) and Prof. Dr. Alfred Selmeier (1923-2018), will be postponed to May 1-7, 2021, organized during the XIth IOPC (International Organization of Palaeobotany Conference) held conjunctly with the XVth International Palynological Congress. The IAWA Symposium will be convened by Dr. Jakub Sakala. Jakub will also be organizing an IAWA Social Hour and supper in the famous Carthusian Monastery (1628) in Melnik, just outside Prague, where IAWA has been previously hosted at a European Palaeo-botanical Conference. Detailed information is available by clicking https://www.prague2020.cz/news.php

Jakub Sakala, Czech Republic

The 3rd IUFRO Acacia Conference in Sarawak, Malaysia, Postponed to June 22-24, 2021

The 3rd IUFRO Acacia Conference, Bintulu, Sarawak, Malaysia will be postponed to a later date: June 22-24, 2021. The deadline for early-bird registration will also be extended to January 31, 2021, while the deadline for abstract submission will be extended to February 28, 2021. Late registrations between February 1, 2021, and June 4, 2021, will be possible for a higher registration fee. All colleagues and friends are encouraged to take the chance to register as early as possible. For more information please visit our website at https://iufroacacia2020.com, or email us at iaconf3rd@gmail.com.

Annya Ambrose, Malaysia

Miscellaneous News

App CITESwoodID - Published on October 24, 2020

App CITESwoodID, as a useful tool of computer-aided identification and description of CITES-protected timbers, was published on October 24, 2020. The ability to identify CITES-protected wood species is of prime importance in the implementation and enforcement of the CITES controls. Valuable new support for computer-aided wood identification based on macroscopic features is provided by the development of App versions of the database **CITESwoodID**. The database and application software for mobile systems contain descriptions and an interactive identification system for 46 trade relevant CITES-listed timbers (e.g., ebony, mahogany, rosewood) known for their use as lumber and downstream processing into products. In addition, the database covers 34 traded timbers which can be mistaken for CITES taxa due to a very similar appearance and/or structural pattern. The database and App are designed primarily for all institutions and individuals involved in controlling the import and export of wood and wood products which are regulated by CITES. It is also of use to educational facilities active in teaching wood anatomy and wood identification.

The app has been programmed for Android®, iOS® operating systems, and is available for free download in German, English, French, and Spanish in the respective app stores.

AppStore: https://apps.apple.com/us/app/citeswoodid/id1534768227 and

Google Play: https://play.google.com/store/apps/details?id=de.bfn.CITESwoodID, or using the search term: **citeswoodid.**

Gerald Koch, Germany

Softwoods Added to the InsideWood Website

A database for softwoods has been added to the InsideWood website, descriptions use the *IAWA List of Features for Softwood Identification*. As is the case for InsideWood's Modern Hardwood and Fossil Hardwoods databases, the softwood database is searchable by a multiple-entry key or by taxon or keyword/s. Associated literature is cited. This addition was possible thanks to the work of N.C. State University's Library IT staff. As of November 10, there are over 200 softwood descriptions, some represent multiple taxa that have similar anatomy. Images and edits will continue, and comments on the database, information on additional species, and donation of images are welcome.

Visit https://insidewood.lib.ncsu.edu/search

Elisabeth Wheeler, USA

A New IUFRO Research Group: 5.16.00 Wood Identification

A newly established Research Group (RG) of IUFRO, 5.16.00-Wood Identification, has been approved by the IUFRO Board in September 2020. The Research Group consists of three Working Parties (WPs), which are 5.16.01-Wood Collections and databases, 5.16.02-Anatomical Identification of Wood, and 5.16.03-Multidisciplinary identification of Wood. More scientists in the wood identification field are encouraged to join this IUFRO research network. The Research Group 5.16.00 will contribute to academic exchanges and cooperation among global wood identification scientists in the field of collection and exchange of wood specimens and the development of wood identification methods. As an important part of the Division 5 Forest Products of IUFRO, it is significant to promote sustainable utilization of

forest products and legal timber trade. In further, the IUFRO Research Group 5.16.00 Wood Identification will strengthen its collaboration with IAWA, CITES, IAWS, ITTO, and other relevant international/ regional organizations, and play an important leading role in the research development and technology innovation of global wood identification.

Please visit https://www.iufro.org/science/divisions/division-5/50000/51600/ for more information.

Lichao Jiao, China

Training Course of Endangered Timber Supervision, Zhangjiagang, China, September 24-25, 2020

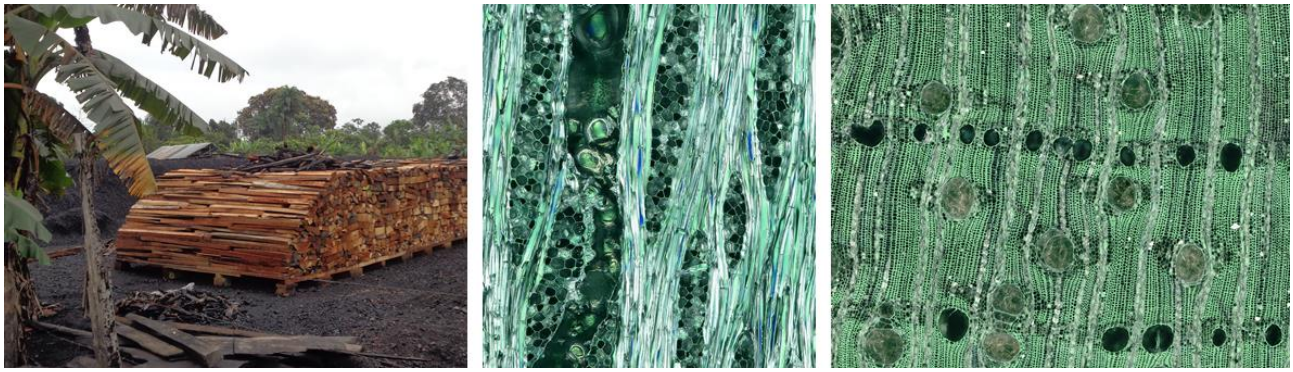
The Training Course of Endangered Timber Supervision, sponsored by the Shanghai Office of China CITES Management Authority and co-organized by Zhangjiagang Customs and TRAFFIC, was held in Zhangjiagang on September 24-25, 2020. More than 50 experts and trainees from the Chinese Academy of Forestry, TRAFFIC Beijing Office, Shanghai Customs, Hangzhou Customs, and Ningbo Customs participated in this course.

In recent years, the State Key Laboratory of Wood Identification of Zhangjiagang Customs has been focusing on the research of endangered timber identification, and propagation of endangered timber species protection, via several important activities such as the publication of Manual of Legal Trade Guide for Endangered Timber and Atlas of Imported Wood, meeting organization of strengthening the fight against smuggling of endangered timber species, and establishment of exhibition room for endangered wood and customs supervision. The laboratory has collected about 140,000 pieces of wood specimens from 5000 imported tree species and carried out research activities on the application of different wood identification technologies, such as DNA barcoding, chemical fingerprint and AI with a computer, to improve the supervision capacity of the customs in China.

Xudong Chen & Jingjing Wang, China

Charcoal Study Attracts Great Media Interest

The results of the currently published IAWA paper “The European charcoal trade” (Haag et al. 2020, DOI 10.1163/22941932-bja10017) have attracted considerable media interest. Nature (news) and Spektrum.de, etc., reported on the study which has distinctly shown that a large volume of charcoal sold in Europe comes from tropical forests and is often incorrectly labeled, raising questions about their legality (https://www.nature.com/articles/d41586-020-02672-z).



Left: Charcoal Miler with residual wood in Peru, Middle: Tangential section of Teak charcoal, Right: Transverse section of "Copaifera-Type" charcoal.

For the actual project, a total of 150 charcoal consignments from eleven European countries were examined and anatomically identified by using a 3D-reflected light microscopy technique as described in the simultaneously published IAWA paper “Wood identification of charcoal with 3D-RLM” by Zemke et al. (DOI 10.1163/22941932-bja10033). The special microscopic technique was developed by Keyence® (not personally by Haag as erroneously stated in nature news) and is regularly applied since 2016 for the

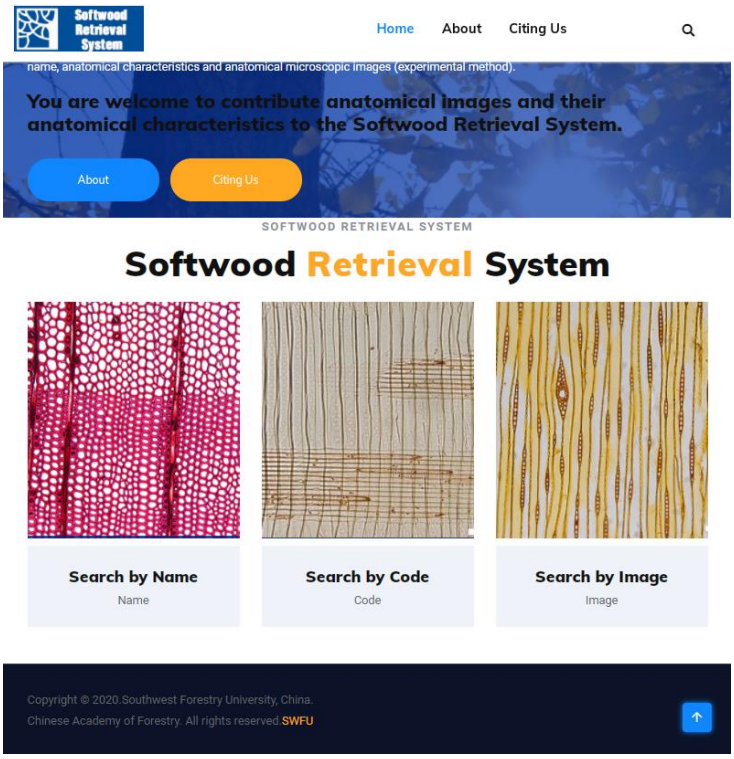
identification of charcoal and briquette at the Thünen-Institute, Hamburg. Overall, the comprehensive anatomical investigations and market studies contribute to an essential understanding of charcoal transit in Europe (worldwide) and evidence of the necessity/importance to include charcoal in the respective annex to the European Timber Regulation (EUTR).

Gerald Koch, Germany

A New Softwood Retrieval System for Coniferous Wood

A Softwood Retrieval System (SRS) for coniferous wood is online as a useful tool for research and teaching. It contains descriptions and micrographs of 180 local coniferous wood species (155 species with descriptions and micrographs and 25 species only with micrographs) from nine families in China, and over 1000 images showing anatomical details. The system is searchable by an interactive and multiple-entry key. The micrographs of SRS were collected from slices of 115 coniferous species contributed by the Wood Collection of the Chinese Academy of Forestry (Beijing, CAFw) and 40 coniferous species from the Herbarium of Southwest Forestry University (Kunming, SWFUw). The descriptions use features from the IAWA List of Microscopic Features for Softwood Identification (2004). The system supports three retrieval methods i.e. species name, anatomical characteristics, and anatomical microscopic images (in test) for coniferous wood retrieval. Contributing anatomical images and their anatomical characteristics to SRS are appreciated. If you have comments or suggestions for improvements to SRS, please e-mail us at lingizhao@swfu.edu.cn.

Please visit http://woodlab.swfu.edu.cn/ for more information.



Jian Qiu & Qizhao Lin, China

A Macroscopic Identification Manual of French Wood Furniture

A new book: macroscopic identification manual of French Wood Furniture was published in French. Please visit:
http://www.editions-du-patrimoine.fr/Librairie/Hors-collection/L-Essence-du-bois-Manuel-d-identification-macroscopique-des-bois-du-mobilier-francais-XVIe-XXe-siecle

Marie-Christine Trouy, France

Open Call for Nominees for the Next IAWA Council (2021-2023)

Please consider nominating one or more colleagues to the IAWA Council. We have a number of Council members who are reaching their term by the end of 2020 and whose vacancy will have to be filled according to the IAWA Constitution (amended version, 2007). Members serve a three-year term, with the possibility to be re-elected to a second consecutive term. The Executive Secretary and current Council will solicit brief vision statements from those who accept nomination – these statements will be collected and made available to all IAWA Members prior to or at the time of ballot distribution. Please send your nominations to Deputy ES Hisashi Abe (abeq@affrc.go.jp). The deadline for submission is November 30, 2020.

I.W. Bailey Award 2021 - Call for Nominations

Candidates may nominate their submissions directly to the editors of IAWA Journal: Lloyd Donaldson (lloyd.donaldson@scionresearch.com) and Marcelo Pace (marcelo.pace@ib.unam.mx), together with a one-page cv, and one supporting statement from a senior IAWA Member before September 1st 2021. The Award Committee will be formed by the Editors and Associate Editors of the IAWA Journal. Please visit http://www.editorialmanager.com/iawa/ for instructions to authors.

Special Edition on Wood Identification 41 (4) in Press

The special edition of IAWA Journal (41 (4)) on Wood Identification “Advancing Wood Identification - Anatomical and Molecular Techniques”, edited by Yafang Yin, Alex Wiedenhoeft and Lloyd Donaldson is currently in press. It contains 14 original papers and one review article emphasizing recent research development in wood identification. Further details will be available in the next newsletter or by visiting the IAWA Journal homepage. The hard copy of this special edition can be ordered from IAWA Leiden Office (iawa.financial.office@gmail.com).

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 Yafang Yin (yafang@caf.ac.cn), or Dr. Shan Li (lishan@caf.ac.cn) of the IAWA Office, Beijing.

Call for Manuscripts of IAWA Journal 2021

The editors of the IAWA Journal would like to encourage new manuscript submissions for Volume 42, 2021. A reminder that subscribers/IAWA members can register for ‘Table of Contents’ (ToC) alerts on the IAWA Journal homepage.

Lloyd Donaldson & Marcelo Pace
Editors in Chief – IAWA Journal