



When: 18-22 September 2020 / Where: Taoyuan, Taiwan

18 December 2019

Call for Papers

The 12th World Bamboo Congress is now accepting papers for consideration for **video presentation** as part of its vast Program. There will be no oral presentation of selected papers, only videos. The theme of the Congress is

Bamboo Now!

Deadline for paper submission is 1st March 2020

SUBMIT YOUR PAPER TO THIS EMAIL ADDRESS ONLY:

papers@worldbambocongress.org

**Papers can be submitted for review in Chinese, Spanish or English,
but will be published in English for the Proceedings**

The suggested TOPICS below consider different areas within the ENVIRONMENT, SOCIETY AND ECONOMY and are aligned with the 17 Sustainable Development Goals (SDGs) set by the United Nations General Assembly in 2015 for the year 2030. Hence papers are expected to elaborate on the SDGs being addressed (maximum three SDGs).

1) ENVIRONMENT

1.1. Taxonomy & Morphology:

Morphology and phenology
Taxonomy (including molecular methods in taxonomy)
Anatomy & characterization
Bamboo species in the world; Asia, Africa, and Americas

1.2. Commercial plantation and Management:

Propagation Methods & Novel planting techniques
Genetic Improvements
Plantation Planning & Management
Pests and Diseases
Harvesting
Methods for forest inventories



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1.3. Ecology and Environmental Concerns:

Forest Dynamics
Afforestation and Reforestation
Environmental Impacts & Landscape Use
Carbon Sequestration, Remediation, Watershed Protection
Endangered Species
Conservation management strategies and policies.
Ecological niche modeling

1.4. Molecular analysis

Molecular genetics
Bamboo genomics
Gene expression analysis
Transposon analysis

1.5. Post-Harvesting and Processing:

Drying, preservation and protection
Chemical properties
Products and by-products from the living culm

2) SOCIETY

2.1. Community and Economic Development:

Poverty reduction
Good Health, Well-being and Water & Sanitation programs
Sustainable cities & Communities
Social, political and economic inclusion (e.g. gender equality)

2.2. Teaching and Dissemination:

Teaching & Learning programs
Training & Skills Development

2.3. Implementation:

Global & Local social projects
Responsible sourcing & consumption
Resilience & Adaptation to Climate change



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3) ECONOMY

3.1. Industrial uses of bamboo:

Industrial use of culms and engineered bamboo products (EBPs, e.g. laminated, boards, plyboo, etc)
Bioenergy Industry: Fuel and energy generation (e.g. charcoal, briquettes, pellets and bioethanol)
Pulp, Paper and Textile industry
Furniture & Houseware Industry
Automotive, Sports & Recreation Industry
Leisure & Tourism Industry
Other industrial uses of invasive and non-invasive bamboo species

3.2. Food and Pharmaceuticals

Role in the food and pharmaceutical industry
Bamboo shoots as a Health Food
Bamboo as a Cosmeceutical
Functional Food and Nutraceuticals
Beverages (e.g. beer and water)

3.3. Business & Innovation:

Production, Supply Chain & Markets: Culms & EBPs
Product Development: Design, Marketing & Costs
Business models & Financing
Green & Circular Economy
Information and Communication Technologies
Disruptive Innovation & New Trends
Corporate Social responsibility

3.4. Infrastructure, Machinery and Technologies

Primary processing (machinery and skills development)
Machinery for the industrial use of bamboo (e.g. charcoal, pellets, boards, mat boards, fibers, paper)
Factory set-ups: Costs, Financials
Industrial Production and Management: Costs, Volumes
Investment and running costs

3.5. Architecture, Engineering and Construction:

Physical and Mechanical Properties & Fire Engineering (poles & Engineered bamboo products)
Bamboo Engineering (structural design methods, analysis and calculations)
Architectural Design & Art Installations
Construction Systems and Methods (Materials, Connections, Joinery, Modulation).
Social Housing
Life Cycle Assessment (LCA)



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3.6. Resources, Standards, Commerce and Policy Aspects:

Public Policies and Laws

Forest Certification and Labelling (e.g. FSC, Fairtrade, etc.)

Technical standards & Building codes (e.g. ISO, NTC, JG/T, ASTM, etc.)

Import and Export markets & regulations

Transportation

The above-mentioned topics will be developed into sessions of video presentations in between keynote speakers. The decision on the final structure and composition of the sessions in question will rest with the Technical Committee depending on the number of submissions. Selected papers will be presented at the 12WBC in video format, consisting of 4 minutes. Selected authors will be asked 4 questions about their work, and tasked with replying to those 4 questions within a 4-minute video. It is not necessary that the video be made by a professional; smart-phone video is acceptable.

Posters

There will be no Poster Session at this event.

Paper submission process

Please refer to the "Instructions for Submitting a Paper" guidelines.

IF YOU WISH TO SUBMIT A PAPER to be considered for video presentation relating to any of the above categories please read carefully the **Instructions for Submitting a Paper** guidelines on the website, www.worldbamboocongress.org

Deadline for paper submission is 1 March 2020

SUBMIT YOUR PAPER TO THIS EMAIL ONLY:

papers@worldbamboocongress.org

All papers will be forwarded to the Technical Committee for review.



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At the top of the first page of your paper, please specify the theme to which your paper relates. Please give the file name of your paper as **YourSurName_YourGivenName_12WBC.doc**