



ICNF 2015
From Nature to Market
2nd International Conference on **natural Fibers**



27 . 28 . 29
april
2015
SÃO MIGUEL
AZORES PORTUGAL



Escola de Engenharia
Universidade do Minho

Date and Venue

With special attention to the whole European scientific activity, it is expected that more dates indicated for the conference is between 27 and 29 April 2015 with welcome drink on day 26.

The Conference will take place at NONAGON - São Miguel Technological Park, Lagoa - São Miguel, Azores, Portugal.



ICNF2015 Participants

With a remarkable participation, ICNF2013 edition was attended by 222 participants, 153 foreigners from 37 different countries.

Therefore and due to the positive feedback received during and after the conference the following indicators of expected results are:

Outcome Indicators	ICNF2013	ICNF2015
Participants	222	300
Foreign participants	153	250
Participating Companies	35	75
Nationalities of Participants	37	50
Oral Presentations	149	200
Poster Presentations	70	75

Scientific objectives

Natural fibers are a renewable resource, par excellence, having been renewed by nature and by humans for millennia. They also have carbon neutrality, because they absorb the same amount of carbon dioxide they produce. During the processing, they generate waste, mostly organic, which can be used to generate electricity or green building, and at the end of its life cycle, 100% biodegradable.

Natural fibers have seen greatly enlarged its range of applications due to intensive technical and scientific research undertaken by various institutes around the world, turning these amazing materials into a viable alternative for many situations in engineering, medicine, sports, architecture, design, among others.

The path of the revaluation of natural fibers goes through the improvement of its production sectors, the continuous deepening of scientific knowledge in this area, new marketing strategies and indelibly, the generation of products based on natural fibers.

Following up the success of ICNF2013, held in Guimarães – Portugal, focusing on the topic “Sustainable materials for advanced applications”, ICNF2015 is devoted to the topic “From nature to market” intending to give an important input to turn scientific knowledge into natural fiber-based innovative products. In this way, along with the scientific sessions, Natural Fibrenamics Award is launched as contest to promote and show new products from all over the world.

ICNF2015 - From Nature to Market, to be held in Sao Miguel, Azores, Portugal, aims to be the meeting point for everyone interested in these fantastic materials called natural fibers.

Topics

The conference topics include:

- New efficient and cost effective processes for natural fiber extraction and processing;
- Innovative natural fibers;
- Functional natural fibers;
- Natural fiber modification techniques;
- Advanced fibrous structures based on natural fibers;
- Nanodimensional natural fibers (nanocellulose);
- Natural fiber based polymeric composites;
- Greencomposites;
- Natural fiber based cementitious composites;
- Applications of natural fibers in high end sectors (construction, geotechnical, automobiles, sports, etc.);
- Modelling and prediction of properties and behavior;
- Biomimetics;
- Product development based on natural fibers;
- Markets for natural fibers;
- Sustainability of Natural fibers: Life cycle assessment studies.

Plenary and keynote lectures



"Teaching Cotton New Tricks via manipulation of Nanoscale Phenomena"

Juan Hinestroza

Cornell University, Ithaca, NY
USA



"Natural bio-composites: research highlights on the performance of bamboo, flax and hemp fibers"

Aart van Vuure

Catholic University of Leuven
Belgium

Invited Speakers



"A Value Chain and Cluster Approach: The Key to Accelerating Natural Fiber Composite Market Development"

Dilip Tambyrajah

International Natural Fiber Organization
Netherlands



"Fibre Science: understanding how it works and speculating on its future"

Mário de Araújo

University of Minho
Portugal

INCF2015 Awards

Natural Fibrenamics Award 2015

After the success of the 1st edition of the Natural Fibrenamics Award, this event is again included in the ICNF2015 programme, to award the best innovative products in the field of natural fibers. The innovative product applications will be shown during the conference in a special show-room prepared for this purpose and evaluated by a selected jury, in terms of innovation, design and functionality. The contest intends to be a showcase of the latest innovations in the field of natural fibers, both for the scientific and industrial communities.

No registration fees are required for applicants and conference registration is not mandatory.

The Application Form, Conditions of Entry and Jury can be found bellow. Please send your application to secretariat@icnf2015.fibrenamics.com.

The deadline for submission is March 31th.

Best Poster Award

The Best Poster Award will be included in this edition, in recognition of the most outstanding posters of the conference. A Poster Award Committee will review all of the posters during the poster sessions. Selections are based on three criteria: Originality of the Research, Clarity of the presentation, and Quality of the results presented.

All presented posters are eligible for nomination for this award.



Partners

Always acting in the continuity of Fibrenamics' international cooperation ideology and aiming the universality of this event, we will rely on scientific partners around the world to perform the ICNF2015.

ICNF Partner	Country
DNFI - Discover Natural Fibers Initiative	Worldwide
Institute of Natural Fiber and Medicinal Plants	Poland
Embrapa	Brazil
CSIR - The Council for Scientific and Industrial Research	South Africa
International Natural Fibers Organization	Netherlands
Sciencentris	Portugal
2C2T - Centre for Textile Science and Technology	Portugal
IBS - Bio sustainability Science and Innovation Institute	Portugal
CANAPOR – Cooperative for Hemp development	Portugal
NONAGON - São Miguel Technological Park	Portugal
Queirós & Batista, LDA	Portugal

