



PRESENTATION

Dear Colleagues It was a great pleasure that we conducted the II International Symposium on Science and Biotechnology-II ISSB – Entrepreneurship and Innovation with support of the Science and Biotechnology Graduate Program from Universidade do Oeste de Santa Catarina, in Videira, Brazil, between the 04th and 110th of november 2017. We led a very good scientific program that met the expectations of professionals and students. The event was planned to be a discussion forum and with the aim of expanding the professional partnerships on biotechnology and innovation. Now we present the Proceedings of *II ISSB* with abstracts of research in two Areas: *Biotechnology Applied to Agroindustry and Health / Environmental Biotechnology*. We hope that it can be a good source of scientific knowledge and information.

We hope see all of you at III ISSB!

SCIENTIFIC COMMITTEE II ISSB

November 10, 2017

Videira, SC – Brazil

CONFERENCES

November 08,2017 - Opening Speech:

Vitivinicultura Argentina: Una mirada desde la Extensión y el Desarrollo Rural

Lecturer: Horácio Manzur (INTA, Argentina)



En esta conferencia se abordan los principales segmentos de la cadena productiva de la uva en Argentina como forma de compartir las acciones que se desarrollan junto al INTA y las posibilidades de interacción con investigadores brasileños.

El Instituto Nacional de Tecnología Agropecuaria (**INTA**) fue creado el 4 de diciembre de 1956 por medio del Decreto Ley 21.680/56 El organismo nació con la finalidad de "impulsar, vigorizar y coordinar el desarrollo de la investigación y extensión agropecuaria y acelerar, con los beneficios de estas funciones fundamentales, la tecnificación y el mejoramiento de la empresa agraria y de la vida rural".

Su estructura comprende: una sede central, 15 centros regionales, 6 centros de investigación con 16 institutos dependientes,53 estaciones experimentales, y más de 300 unidades de extensión.

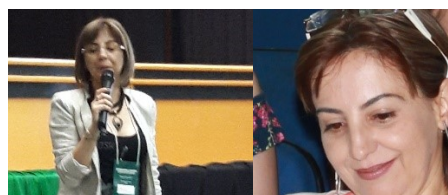
November 09, 2017

POSTERS SESSION – 6:30 p.m

7:00 p.m:

Conference: *Science and Biotechnology in the Sustainability and Competitiveness of Brazilian Agriculture: Soybean Production Chain*

Lecturer: Estela de Oliveira Nunes (EMBRAPA, Brazil)



This conference addresses the main aspects related to Sustainability and Competitiveness of Brazilian Agriculture: Soybean Production Chain, such as Molecular strategies applied are improvement; Molecular studies based on genetic resistance to the hostess; Molecular studies based on gene access pathogenic organisms. In addition several Project are in development: Search through inoculation of seeds or soil: Rizosphere Bacteria Plant Growth Promoters (Plant Growth-Promoting Rhizobacteria -PGPR); Partial or total replacement of agrochemicals, Maximizing the use of resources, the costs of production, and the environmental impact of agriculture

9:00 p.m:

Conference: *Use Of Mushroom Waste In The Prospect Of Biotechnological Products*

Lecturer: Marivane Lemos



Fungi are extremely important in the evolutionary history of the planet. They emerged approximately 300 million years, and are responsible for the degradation of recalcitrant organic materials such as cellulose, hemicellulose and lignin. This conversion carried out by the enzymatic arsenal is transformed into agroindustrial interest, such as β -glucans, statins, phenolic substances and organic acids, in addition to primary metabolites (proteins, lipids and carbohydrates) of high nutritional value. These substances are present both in

the body of fruiting - mushroom itself - like no spent mushroom substrate (SMS), impregnated with mycelial material. SMS is the organic biomass growth base of the fungus and usually comes from agroindustrial waste such as grape marc, apple peel, green coconut, palm fiber, cotton pie, in fact, all the organic material considered to be garbage and that entails a great problem environmental. In the end, this organic post-culture material impregnated with the mycelium nutrient-rich and can be used to isolate substances and in the application of the input industry for animal nutrition, such as for the production of nutraceutical foods. Therefore, the use of these resource may lead to the socio-economic development of new products with high added value.

SHORT COURSES SESSION November 06,07, 09, 2017

1:30 p.m

Abstracts: available at: short courses session.

1. COURSE: BIODIESEL



Lecturer: Fabiana Andreia De Martini Soares

2. COURSE: BIOTECHNOLOGY - PRODUCTION OF MUSHROOMS



Lecturer: Elisandra Minotto

3. COURSE: TASTING OF SPARKLING WINE



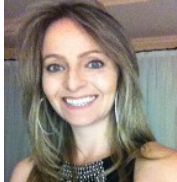
Lecturer: Vinicius Caliari

4. MOLECULAR DIAGNOSIS IN CLINICAL ANALYSIS

Lecturers:



Bibiana Paula Dambrós



Francielli Mello Ferri

5. ENERGY GENERATION FROM BIOLOGICAL TREATMENT OF EFFLUENT

Lecturer: Lucas Marcon

6. ARTISAN BREWING PRODUCTION

Lecturer: Rafael Mendes

7. STRUCTURAL PROTEIN



Lecturer: Carlos Alexandre Breyer



November 10, 2017

7:15 p.m

ROUND TABLE SESSION: ENTREPRENEURSHIP DAY

Session Coordinators: **Eduardo Gelinski Junior | Dirceu Scaratti | Maria Rita Chaves Nogueira**

Guests (Bio business manager): **Carlos A. Breyer | Jeferson R. Gatti | Luiz Felipe T. Zanella**



The second International Symposium on Science and Biotechnology aimed at promoting entrepreneurial culture by the provision of guidance, training and support to new ideas for the work of the Bio-business war, with the aim of mobilizing undergraduate and graduate students, as well professors and researchers in favor of the entrepreneurship's diffusion in our country.

PHOTO GALLERY OF THE II INTERNATIONAL SYMPOSIUM
ON SCIENCE AND BIOTECHNOLOGY













