VISAYAS STATE UNIVERSITY

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TRAVEL REPORT

Name of Attendee: **Dr. Edgardo E. Tulin**
President, Visayas State University

Title of Conference: XXX. INTERNATIONAL HORTICULTURAL CONGRESS
S19 – Root and Tuber Crops: Value Added Crops for the Next Generation (2nd International Symposium)

Duration: 12-16 August 2018

Venue: Istanbul Congress Center, Istanbul, Turkey

Objectives/Purpose:

Primary: To present (oral presentation) paper titled "Microbial-induced mobilization of micronutrients from soil minerals from different soil environments for increased yield and improved nutritional quality of sweetpotato and purple yam"

Secondary:

1. To learn from other researchers recent research findings and technologies on root and tuber crops production, molecular approaches in breeding, marker technologies for varietal identification and postharvest technologies
2. To attend plenary sessions on topics pertaining to challenges of agricultural production as affected by climate change, crop monitoring robotic platforms, big data analytics and the role of research cooperation strategy
3. Learn from hundreds of posters presented from researchers working in different crops in many scientific disciplines

Highlights of the Conference:

This year's congress has the theme 'Bridging the World through Horticulture' and is heavily focused on research and innovation in the various fields of Horticulture. The symposium on ''Root and Tuber Crops: Value Added Crops for the Next Generation'' is

one such field dedicated to works on root and tuber crops particularly researches on increasing production, selection and breeding on varieties adapted to climate change and other environmental stresses, marker-assisted breeding and identification of new varieties that will have new commercial value.

I had the opportunity to present (oral presentation) the results of my study on microbial mobilization of micronutrients in the soil especially from soils in degraded and less fertile areas but has the potential for crop production by applying microorganisms that will release these micronutrients from their insoluble forms to soluble forms and become available to plants for their growth and development. This is an innovation that will utilize areas with soils that are seemingly unfit for crop production but otherwise could be restored to be suitable for crop production. After the presentation, questions were asked by the audience such as how the intense purple coloration of sweetpotato is affected by presence or amounts of micronutrients in soil and how popular is yam in terms of its demand in the market. A question was also raised by a fertilizer manufacturer in Taiwan on the status of the technology and the prospects of the technology for commercialization.

The congress also provided an excellent platform for scientists, technicians, students, extension agents, growers, industry, trade and consumer organizations, policy makers and other professionals having an interest in agriculture to share research findings and forge collaborations.

IHC2018 has a rich scientific program that allowed diffuse interaction among scientists as well as institutions. The symposia have different formats tailored according to various topics in agriculture. Additionally, there were colloquia and workshops, ad hoc training sessions and technical toursthat enriched the technical sessions. Technical tours to botanical gardens were accompanied by Turkish experts to highlight the diversity of Turkey's horticultural and agricultural crops.

The poster sessions of the conference which was classified into different thematic areas such as production technologies, tissue culture, crop improvement, growth stimulators, disease resistance, genomics, chemical composition breeding, robotics, landscape agriculture among others added an enriching experience tomy attendance in the conference.

Some of the relevant posters are as follows:

1. Developing low-sweet sweetpotato varieties for expanding markets
2. Cultivar identification and genetic relationship of papaya cultivars using SSR markers
3. Evaluation of fruit genetic resources to deal with climate changes
4. Cryopreservation of coconut apical meristem excised from in vitro plants through droplet vitrification
5. Mutation breeding of crops for tolerance to water stress using ethyl methane sulfonate
6. Membrane phospholipids composition softening process of “Manila”mango
7. Isolation and identification of expressed sequence tags related to drought tolerance in crops
8. Protein hydrolysate-based biostimulant improve yield and fruit quality of greenhouse fresh tomato

Benefits and Potential Collaborations Gained:

1. Disseminated research results for peer review and academic discussion
2. Gained additional knowledge and information on the current researches in agriculture
3. Learned current techniques and methodologies and technologies in the market
4. Generated expression of interest of collaboration from Land Green & Technology Co., Ltd. Taipei, Taiwan (Annex A)
5. Established potential cooperation agreement between the University of Catania, Italy through the Erasmus programme for faculty exchange and scholarships for graduate study among other areas of mutual interest (Annex B)

Annex A

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Edgardo Tulin <edgardo.tulin@vsu.edu.ph>

Expression of Interest of Collaboration

aba@lgt.tw <aba@lgt.tw>
Reply-To: aba@lgt.tw
To: edgardo.tulin@vsu.edu.ph

Thu, Aug 23, 2018 at 7:00 PM

Dear Professor Edgardo E. Tulin,

I hope you are doing well.

My name is Anatolii Bakurov, I'm delighted to personally meet and talk to you in the IHC Istanbul last week. This year Congress was such a great and productive event which I'm sure we enjoyed together. I enjoyed listening to your presentation in the Root and Tuber Crops section, and on behalf of my company I hope we may have lots of possibilities of the future collaboration.

Look forward to reading from you, and have a great day!

Best regards,

Anatolii Bakurov
Vice General Manager
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Annex B

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Edgardo Tulin <edgardo.tulin@vsu.edu.ph>

Coorperation agreement and Erasmus one

Ferdinando Branca <brancafer@hotmail.com>
To: "edgardo.tulin@vsu.edu.ph" <edgardo.tulin@vsu.edu.ph>
Cc: ferdinando branca <fbranca@unict.it>

Wed, Aug 15, 2018 at 10:12 PM

Dear Prof. Tulin,
is a great pleasure for me have met you in Istanbul and I hope our relationship will grow up in the next period.
I send you the form to establish the cooperation agreement between our Universities and the file you have to fill your your data for the Erasmus agreement.
Waiting for your news,
warmest regards

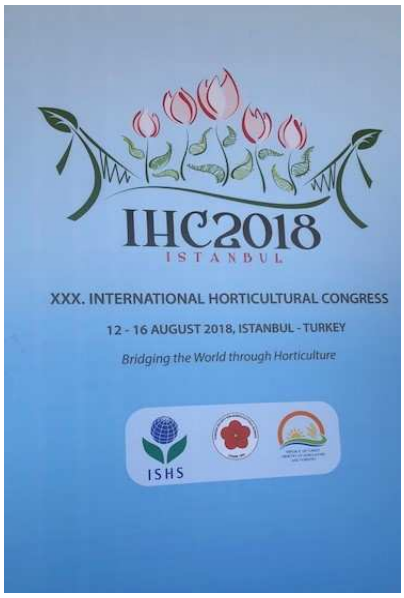
Ferdinando Branca

2 attachments

modello accordo inglese.doc
104K

Erasmus data need for agreement.docx
9K

University of Catania, Italy


IHC2018
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