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■博士班研究生

報告人姓名 蘇里達
Kandi Sridhar

就讀校院
(科系所) 國立屏東科技大學
熱帶農業暨國際合作系

□碩士班研究生

時間 July 16th to July 20th 2018
會議地點 Madison, USA

本會核定 1071000241

補助文號

會議名稱 (中文) XXIX 多酚国际会议 (ICP) and 9th 丹宁会议 (TC)

(英文) XXIX International Conference on Polyphenols (ICP) and the 9th Tannin Conference (TC)

發表論文題目 (中文) 台湾商品葡萄品种生物活性及剂量依赖性抗氧化活性的体外评价

(英文) *In Vitro* Assessment of Bioactive Properties and Dose-Dependent Antioxidant Activities of Commercial Grape Cultivars in Taiwan

報告內容應包括下列各項：

一、參加會議經過

07/14 Departed from Taipei, Taiwan.

07/15 Arrived in Madison, The United States of America

07/16 Registration

07/16 Attended conference, listened to presentation from different researchers, and presented poster.

07/17 Attended different sessions of lectures

07/18 Attended Tannin conference (part of International Conference on Polyphenols, 2018)

07/18 Attended different sessions of Tannin conference

07/19 Attended Human and Animal Nutrition and Health session

07/20 Attended applied polyphenols session

07/21 Departed from Madison, The United States of America.

07/23 Arrived in Taipei, Taiwan.

二、與會心得

XXIX International Conference on Polyphenols (ICP) and the 9th Tannin Conference (TC) is organized by Groupe Polyphénols, which founded in 1972. This organization is the world's premier society of scientists in the fields of polyphenol chemistry, bioactivity, nutrition, industrial applications, synthesis, and ecology. This organization host international conference on polyphenols once in every two years. I am a doctoral student in the department of Tropical Agriculture and International Cooperation at the National Pingtung University of Science and Technology (NPUST), Pingtung, Taiwan. Currently, I am undertaking a study on the effect of Kyoho grape polyphenols on reducing degenerative diseases and to develop polyphenol enriched functional food model. The first day was the most important day for me to present my academic findings to professionals and other international researchers. My poster presentation with the title '*In Vitro* Assessment of Bioactive Properties and Dose-Dependent Antioxidant Activities of Commercial Grape Cultivars in Taiwan' with a limited time of 5 minutes including questions from the committee. This work mainly focused on Kyoho grape dose-dependent antioxidant activities. Accordingly, my presentation contributed a knowledge and innovation in research towards a polyphenols and functional foods session. All the expertise had congratulated me after my presentation. This was something like a great achievement in my academic career and memorable movement. This incredible experience with academics to share my findings promoted my confident and boosted up my knowledge.

三、考察參觀活動(無是項活動者省略)

There were no field visits but many experts from different industries were presented their industry R &D and other advanced technologies. These all new technologies were actually a new experience for me as I have never seen these new processing technologies.

四、建議

More of such funding should be made available to domestic PhD students to attend conferences, seminars, and workshops. This well-established conference was an excellent event to update and recalibrate my understanding in my field of work. I learnt a lot from the experienced scientists working on strongly related topics to food science. The lectures were enriching, providing new insights, and novel approaches. The talks were not only dominated by the academia but also delivered by government agencies and industries showing a diverse point of views. I figured out some research works link directly to my current research. I was excited to network with other researchers whose work will have influence on my research.

五、攜回資料名稱及內容

My Abstract got accepted and printed in conference proceedings.

六、其他 (See attachment)

Attachment

Schedule of XXIX International Conference on Polyphenols (ICP) and the 9th Tannin Conference (TC)

Monday, July 16, 2018

8:00 AM – 5:00 PM	Registration	Annex
8:30 AM – 8:50 AM	Opening Ceremony Jess Reed & Victor Freitas	Great Hall
8:50 AM – 9:05 AM	Ragat Ibrahim Tribute Lecture Denis Barron	Great Hall
9:05 AM – 9:55 AM	Opening Lecture Navindra Seeram, USA	Great Hall
Session Topic 1 9:55 AM	Chemical and Physical-Chemistry Session Chairs: Stéphane Quideau, Maria-Teresa Escrbano & Kristina Wahala	Great Hall
9:55 AM	Plenary: Total Synthesis of Complex Natural Flavonoids and Isoflavonoids	Keisuke Suzuki
10:40 AM	Theoretical Study of the inhibition of p90 Ribosomal S6 Kinase by Flavonoid Compounds	Serge Antonczak
10:55 AM	Extending the blue color stabilization of anthocyanin derivatives	Luis Cruz
11:10 AM	Coffee Break	Reception Room
11:40 AM	Red cabbage anthocyanins: water addition, acid – base equilibria and chemical stability in acidic to mildly alkaline conditions	Olivier Dangles
11:55 AM	Using density functional theory (DFT) to understand the loss of red color intensity of anthocyanin esters obtained by chemical lipophilization of Delphinidin 3-O-Sambubioside	Ana Selene Marquez
12:10 PM	Advances on iron gall inks: revealing the complex polyphenol systems used to write the medieval book	Maria J. Melo
12:25 PM – 2:00 PM	Lunch	Tripp Commons
Session Topic 1 Cont'd 2:00 PM	Chemical and Physical-Chemistry Session Chairs: Stéphane Quideau, Maria-Teresa Escrbano & Kristina Wahala	Great Hall
2:00 PM	Lignin and lignin-derivatives as a tool to stabilize/modulate the colour of anthocyanins and anthocyanin-derived pigments in aqueous systems	Joana Oliveira
2:15 PM	Towards Molecular Machines Based on Polyphenols	A. Jorge Parola
2:30 PM	Polyphenols interaction with salivary proteins and with bitter taste receptors	Susana Soares
2:45 PM	Polyphenols in White and Red Poinsettia Bracts	Carmen Stefanini
3:00 PM	Membrane Crossing by Polyphenols	Patrick Trouillas
3:15 PM	Coffee Break	Reception Room
3:45 PM	Physico-Chemical Characterization of Red Wine Astringency	Aude Watrelot

11:45 AM	<i>Enzymatic Oxidation of Phenolic Compounds in Plants Depends Primarily on the Mono-, di- or trihydroxysubstitution of their Phenolic Moieties</i>	Jorma Kim
12:00 PM	<i>The Interlink of UV Transmittance and Flavonoids in Okra Driven by Diurnal Changes</i>	Susanne Neugart
12:30 PM – 2:00 PM	Lunch	Tripp Commons
Session Topic 5 Cont'd 2:00 PM	Roles in Plants and Ecosystems Session Chairs: Luc Bidel	Great Hall
2:00 PM	<i>Substrate Specificity of Polyphenol Oxidases of Apple Shed New Light on their Physiological Role</i>	Barbara Roth
2:15 PM	<i>Plant Polyphenols and their Dynamics during Leaf Development under Nutrient Limitation: A Potential Nutrient Conservation Strategy for Mangrove Plant</i>	Haichao Zhou
2:30 PM	Plenary: <i>Variation in Proanthocyanidin Expression in Populus: A Genes to Ecosystems Perspective</i>	Rick Lindroth
3:15 PM	General Assembly Meeting	Great Hall
6:30 PM	Cocktails	Tripp Deck
7:00 PM	Closing Banquet	Tripp Commons

Friday, July 20, 2018

8:00 AM – 2:00 PM	Registration	Annex
Session Topic 6 9:00 AM	Applied Polyphenolics Session Chairs: Kazuhiko Fukushima	Great Hall
9:00 AM	Plenary: <i>Advanced Analytic Methods for the Authentication, Standardization and Efficacy Evaluation of Natural Products</i>	Chris Krueger
9:45 AM	<i>Nanotechnology as a Useful Tool for Polyphenol Research and Development</i>	Sergio Madrigal-Carballo
10:00 AM	<i>Preparative Fractionation of 5'-O-Caffeoylquinic Acid Oxidation Products using Centrifugal Partition Chromatography and their Characterization by Mass Spectrometry</i>	Claudia Mariana Castillo Fraire
10:15 AM	<i>Towards Eco-Designed Phenolic Bioproducts without Hormonal Side Effects</i>	Helene Fulcrand
10:30 AM	Coffee Break	Reception Room
11:00 AM	<i>Does UV-Light Modify the Antimicrobial and Antioxidant Activity of the Bark Extracts?</i>	Jan-Erik Raitanen
11:15 AM	<i>Changes in the Flavonoid Pathway during the Last Four Weeks of Fruit Ripening in an Apple Cultivar Showing Bicolored Fruit Flesh</i>	Martina Kolarek
11:30 AM	<i>Evaluation of the Presence of Antioxidant and Antimicrobial Activity of Condensed Tannins Present in</i>	Gerardo Rodriguez Rodriguez



Figure 1. Photo Courtesy with XXIX International Conference on Polyphenols (ICP) and the 9th Tannin Conference (TC) Delegate.

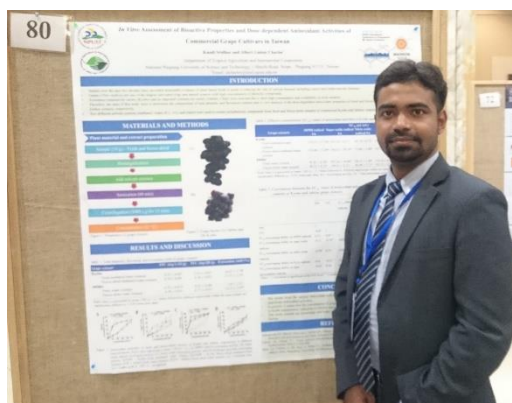


Figure 2. Poster Presentation at XXIX International Conference on Polyphenols (ICP) and the 9th Tannin Conference (TC).



Figure 3. Photo Courtesy with Conference Participants on Thursday 19 July, 2018 at Tripp Commons, University of Wisconsin, Madison, USA.