



6th IAPSIT International Sugar Conference (IAPSIT- 2018)

5-9th March 2018

Charoen Hotel, Udon Thani, Thailand

Programme Schedule

Monday 5 th March, 2018	
13.00-18.00	Registration of delegates – Hotel Lobby
16.00-17.30	IAPSIT Executive Meeting Venue : Meeting Room of Hotel
18.00-18.30	IAPSIT 2018 Exhibition Inauguration Ceremony Venue : Expo Area <ul style="list-style-type: none"> • Welcome speech by Mr. Teerachai Sankaew, Chairman and Advisor of the North Eastern Cane Planters' Association • Delegate Reception opening speech by Mr. Kitti Choonhawong, President of TSSCT and Conference Chairman
18.30-21.00	IAPSIT 2018 Delegate Reception Venue : Expo Area
Tuesday 6 th March, 2018	
07.00-09.00	Registration : Hotel Lobby
09.00-10.30	Inaugural Ceremony of IAPSIT- 2018 : Main Hall
09.00-09.15	Welcome speech by Mr. Watana Puttichat , The Governor of Udon Thani Province
09.15-09.30	Address by Prof. Yang Rui-Li , President IAPSIT
09.30-09.45	Report by Dr. Sushil Solomon , Secretary IAPSIT & Vice Chancellor, CSA University
09.45-10.00	Report by Dr. Kitti Choonhawong , President of TSSCT and Chairman of the Local Organizing Committee
10.00-10.15	Opening Speech by Mr. Cherdpong Siriwit , Chairman of Advisory Board of Conference Organizing Committee
10.15-10.30	<i>Recognition</i> and Honour by IAPSIT Committee
10.30-10.35	Vote of Thanks by Dr.G.P.Rao , Publication Editor
10.35-11.00	PHOTO SESSION / COFFEE BREAK
	Chairman: Dr. Li Tao Yang , USA Co-ordinator: Prof. Devendra P.Singh, India
11.00-12.00	Keynote Lecture: Biotechnology in Sugar Industries by Assoc. Prof. Klanarong Sriroth, Thailand
12:01-13:00	LUNCH

Tuesday 6th March, 2018

TECHNICAL SESSION I

Sugar Crops Production & Protection Technologies, Mécanization of farms

Chairman : Prof. Yang Rui Li (P.R.China)

Co-Chairman : Bolonhezi Denizart (Brazil)

Coordinators : Dr. Qizhan TANG (P.R.China) & Samran Saensupo (Thailand)

Venue: Hall 1 : Concurrent Session

T-1-Lead Papers

13:00-13:20	Magnitude of sugarcane yield loss due to borer infestation in Guangxi Province, China <i>Pan Hongchun and Rene K.F. Ng Kee Kwong</i>
13:21-13:40	Using endophytic bacteria for prevention of the white leaf disease in sugarcane <i>Y. Hanboonsong, W. Worachai and S. Niamsanit</i>
13:41-14:00	Using normalized difference vegetation index to estimate sugarcane yield and yield components <i>Duli Zhao</i>
14:01-14:20	Plant protection regulations with reference to sugarcane in India- Strengths & Challenges <i>S.N. Sushil, Deeksha Joshi, M.R.Singh and A.D.Pathak</i>
14:21-14:40	Biopesticides for sustainable management of soil borne diseases of sugarcane in India: Regulatory requirements, commercialization and IPR issues <i>H.B. Singh</i>

T-1-Oral Papers

14:41-14:50	Enhancing cane & sugar productivity and profitability using relay intercropping approach of planting autumn sugarcane with skipped row planted rice in Indian sub-tropics <i>S.N. Singh, A. D. Pathak, S. Solomon and Priyanka Singh</i>
14:51-15:00	Effects of superabsorbent polymer on water holding capacity and sugarcane germination and growth in sandy soil conditions <i>Kenta Watanabe, Samran Saensupo, Yanischa Na-iam, Issara Danwiryakul, Natpakan Thanaviwat, Therdpong Khongsanun, Peeraya Klomsa-ard and Klanarong Sriroth Watanabe</i>
15:01-15:10	Utilization of Ami-Ami on growth and yield of sugarcane var. Khon Kaen 3 <i>Thanatsan Poonpaiboonpipat, Wipa Homhual and Pratyka Kawkra</i>
15:11-15:20	Sugarcane based intercropping interventions: A step towards translating the vision of doubling farmers' income in India <i>A.K. Tripathi, S.K. Dubey, S.K. Shukla and S. Solomon</i>
15:21-15:30	Optimization of storage temperature for sugarcane pollen viability <i>Eid. M Mehareb; Wu Caiwen ; Fouz F Aboelenen, Lu Xin, Mao Jun and Wu Zhuandi</i>
15:31-16:00	COFFEE BREAK
16:01-16:10	Influence of planting geometry on single eye bud seedling planting technique on sugarcane productivity and profitability under drip irrigation in Karnataka <i>S. S. Nooli, S. C. Alagundagi, M. B. Patil and S. Y. Wali.</i>
16:11-16:20	Analysis of nitrogen fixation efficiency of sugarcane and its related genera through 15N natural abundance method <i>Luo Ting, Li Chang-ning, Li Yi-jie, Xie Jin-lan, Liang Qiang, Liu Xiao-yan, Wang Wei-zan, Zhou Zhong-feng and Li Yang-rui</i>
16:21-16:30	Conservation agriculture principles applied for sugarcane crop propagated by pre-sprouted buds system in Brazil <i>Bolonhezi, Denizart, Noronha, Rafael Henrique de Freitas, Furlani, Carlos Eduardo Angeli, Xavier, Mauro Alexandre, Garcia, Julio Cesar, Abreu and Mônica Ferreira De</i>

16:31-16:40	Sustainable sugarcane production in Chongzuo, China : Optimized fertilization and soil improvement <i>Tang Wenzhong, Liang Zhenming and Manjunatha S Rao</i>
16:41-16:50	Sugarcane productivity under late planting situation in subtropical India <i>S.K. Shukla, A D Pathak, V P Jaiswal, Asha Gaur, S K Awasthi and S Solomon</i>
16:51-17:00	Evaluation of sugar content and sugar yield in sweet sorghum (Sorghum bicolor L.Moench) varieties in Thailand <i>Samran Saensupo, Rattana Mueangmontri, Peeraya Klomsa-ard and Klanarong Sriroth</i>
17:01-17:10	Drip fertigation is best solution to improve sugarcane productivity and sugar recovery! – A success story <i>B.D. Jade</i>
17:11-17:20	Effect of resource conservation technologies on cane yield and water productivity of ratoon sugarcane in Peninsular India <i>N.P. Singh, R.L. Choudhary, Mahesh Kumar, Yogeshwar Singh and K.K. Krishmani</i>
17:21-17:30	ORNISIL & SOILSOUL as effective tools for water stress mitigation and yield enhancement in sugarcane <i>S.M. Pawar</i>
17:31-17:40	Evaluation of different irrigation systems and agronomic practices on water conservation and its effect on sugarcane yield, quality and water use efficiency <i>S. Jayaram, V. Velmurugan, S.J. Lakshman, M.C. Gopinathan and Prashant Pastore</i>
17:41-17:50	Studies on different methods for improving water application efficiency in sugarcane fields <i>M. Noori, R. Bahrami, D. Nikfar and I. Kahyesh</i>
17:51-18:00	Effects of different fertilization treatments on soil microbial biomass, soil enzyme activities and related nutrients in continuous-cropping sugarcane field <i>Guifen Chen, Zhong Liu, Yanfei Huang, Yumo Tan, Qizhang Tang, Taiqing Huang, Shaoe Yang, Qing Liao, Ying Xing and Yuyi Huang</i>

Tuesday 6th March, 2018

TECHNICAL SESSION IV

Sugar-energy matrix in developing countries: sustainability issues, marketing, national policies and integrated industries

Chairman: Dr. Kitti Choonahawong

Co-Chairman: M.C. Gopinathan

Co-ordinators: Prof. Son Chu-Ky & Prof. Munish Kumar

Venue: Hall 2 : Concurrent Session

T-4-Lead Papers

13:31-13:50	Public and private sector management of the sugarcane industry of Sri Lanka <i>A.P. Keerthipala</i>
13:51-14:10	Sugar industry and utilization of its by-products in Thailand: An overview <i>Kitti Choonahawong, Tanapon Chaisan,, Sarawut Rungmekarat, and Sombat Khotavivattana,</i>
14:11-14:30	Sustainable sugar production: Smallholder sugarcane farmers challenges <i>M.C. Gopinathan</i>
14:31-14:50	An overview of sugarcane bio-based products and industries in Asia and South East Asia <i>S. Solomon and Swapna M</i>

T-4-Oral Papers	
14:51-15:00	Production of humic acid using sugarcane molasses alcohol wastewater by Bacillus CGBI strain <i>Nan Li, Zhi-Nian Deng, Ping Zhen, You-Ru Wu, Yuan-Wen Wei, Hui-Qing Cao and Yang-Rui Li</i>
15:01-15:10	Comparative analysis of innovative sugarcane production technology and conventional method for enhancing productivity, profitability and farmer's income –A study of Uttar Pradesh, India <i>L.S. Gangwar, Rajesh Kumar and A.D. Pathak</i>
15:11-15:20	Impact of sugarcane research information system (SRIS) on farmer's knowledge, attitude and skill (K.A.S.) of Uttar Pradesh, India <i>S.K. Pathak, Shree Ram Singh, B.L. Sharma</i>
15:21-15:30	Implementation of quality based sugarcane payment scheme in India- A need of hour <i>Narendra Mohan and Priyanka Singh</i>
15:31-16:00	Coffee Break
16:01-16:10	Improvement of the systems of administration of meteorological data for the sugarcane in cuba <i>Grethel L. Sieiro Miranda, Carlos Lamela and Salvador Garcia.</i>
16:11-16:20	State of the art and research and development prospects for sugarcane and sugar industry in Vietnam <i>Son Chu-Ky, Anh Duong Cao, Hong Duong Pham, Quoc Tuan Hoang, Trang Vu Thu and Thi Thao Nguyen</i>
16:21-16:30	Sugarcane farming and bioproducts: Opportunities for rural entrepreneurship in India <i>Priyanka Singh, S. Solomon, H.G. Prakash, Mukesh Mohan and D.P. Singh</i>
16:31-17:30	Special Presentations from Research Organizations/Companies

Wednesday 7 th March, 2018	
08.00-09.00	Registration of Delegates Venue : Hotel Lobby
09.00-10.00	Chairman: Dr. BOLONHEZI Denizart (Brazil) Coordinator: Dr. Manjunath Rao(China) Venue: Hall 1 <ul style="list-style-type: none"> • Keynote Lecture on <i>Production of Xylooligosaccharides as Value-Added Products from Sugarcane Bagasse</i> by Prof. Wen-Chien Lee, National Chung Cheng University, Taiwan • Keynote Lecture on <i>Evaluation of cane management system in our growers and block farming</i> by G.S.C.Rao , Managing Director, Global Canesugar Services
10.00-10.15	COFFEE BREAK
10.15-12.30	TECHNICAL SESSION II Sugar Crops Improvement, Breeding and Biotechnology Chairman: Dr. Yong Bao Pan (USA) Co-Chairman: N.V Nair (India) Co-ordinators: Dr.Swapna, M (India) and Dr. Patcharin Songsri (Thailand) Venue: Hall 1 : Concurrent Session
T-2-Lead Papers	
10:16-10:35	Application of molecular markers in sugarcane germplasm innovation and breeding: New germplasm with cytoplasm from Saccharum spontaneum <i>Yong-Bao Pan</i>
10:36-10:55	Sugarcane improvement programmes in India- An overview <i>N V Nair</i>

T-2-Oral Papers	
10:56-11:05	Implications of GA3 on source-sink dynamics influencing sink strength and transcripts expression in sugarcane <i>Amaresh Chandra, Indu Verma, Kriti Roopendra, R. Jain and R. K. Singh</i>
11:06-11:15	Discovery of 100K SNP array and its utilization in sugarcane <i>Qian You, Xiping Yang, Jian Song, MdS. Islam, Liping Xu, Jack Comstock, Sushma Sood and Jianping Wang</i>
11:16-11:25	Differential behavior of sugarcane genotypes towards varying pH concentration of medium on in vitro propagation <i>T.E.Nagaraja, V.N. Patel, P. Thimmegowda, B.T. Ravindrababu, M.A. Sapna and Veerasena Reddy</i>
11:26-11:35	Status of marker-trait association of economic traits utilizing association mapping approach in sugarcane <i>M.S. Khan, Nandita Banerjee, Archana Siraree, Sanjeev Kumar and R.K. Singh</i>
11:36-11:55	Sugarcane varieties situation in Mitr Phol areas and trend for the future <i>Y. Tonsomros, K. Srirod and P. Klomsa-ard</i>
11:56-12:05	Sugar content in segregating populations of sugarcane : Variation and its implications in sugarcane improvement <i>M. Swapna and D.K. Pandey</i>
12:06-12:15	In Vitro clonal propagation and genetic fidelity assessment in sugarcane by using RAPD markers <i>Manoj K. Sharma, Reshu Chaudhary and R. S. Sengar</i>
11:16-12:25	Utilization of genetic resources for sugarcane varietal improvement <i>M. N. Premachandran</i>
12:30-13:30	LUNCH BREAK
13:31-13:40	Biotechnological Advancements for the Improvement of Sugarcane Crop <i>Ghulam Mustafa, Faiz Ahmad Joyia, Sultana Anwar, Aqsa pervaiz and Muhammad Sarwar Khan</i>
13:41-13:50	Exploration of sucrose accumulation associated genes in sugarcane by RNA sequencing <i>Cui-Xian Qin, Zhong-Liang, Chen Miao Wang, Yi-Yun Gui, Fen Liao, Qing Liao, Yang-Rui Li and Dong-Liang Huang</i>
13:51-14:00	Genotypic diversity among egyptian isolates of Sporisorium Scitamium as revealed by comparative sequence analysis of the internal transcribed spacer and B-east matting type gene <i>Ayman Esh, M.I. Nasr, A.A. Guirgis and M.M.A. Elkholi</i>
14:01-14:10	Differential expression of pathogenesis-related genes with biochemical and physiological changes in sugarcane infected by Sporisorium scitamium <i>Pratiksha Singh†, Qi-Qi Song†, Rajesh Kumar Singh, Hai-Bi Li, Manoj Kumar Solanki, Li-Tao Yang and Yang-Rui Li,</i>
14:11-14:20	Functional endophytic nitrogen fixing bacteria detected by high-throughput sequencing and metatranscriptomics in Guangxi, China <i>Yang-Rui Li, Li-Tao Yang,, Qian-Li An, Yong-Xiu Xing, Chun-Jin Hu, Ting Luo, Li Lin and Chun-Yan Wei</i>
14:21-14:30	Isolation and over expression of sugarcane SoP5CS gene <i>Jian Li, Thi-Thu Phan, Yang-Rui Li, Yong-Xiu Xing and Li-Tao Yang</i>
14:31-14:40	Identification of beet (Beta vulgaris L.) varieties using microsatellite markers in China <i>NaiXin Liu, ZeDong Wu, Rui Liu and YuMei Wu</i>

14:41-14:50	Genetic variation in genes involved in ethanol production from sugarcane molasses in <i>Saccharomyces cerevisiae</i> strains <i>Sunisa Chatsurachai, Nantida Watanarajanaporn, Saranya Phaengthai, Morakot Sakulsombat and Klanarong Sriroth</i>
14:51-15:00	Identifying sugarcane genotypes for intermittent drought tolerance using hyperspectral and imaging techniques <i>Yogeshwar Singh, Mahesh Kumar, R.L. Choudhary and N. P. Singh</i>
15:01-15:30	COFFEE BREAK

Wednesday 7th March, 2018	
TECHNICAL SESSION III	
Sugarcane Harvesting, Processing, Value addition and Stewardship of Environment	
Chairman: Dr. Klanarong sriroth (Thailand)	
Co-Chairman: Robert G Quirk (Australia)	
Co-ordinators: Gan-Lin Chen (China) Dr. Rattana Mueangmontri (Thailand) and	
<u>Venue: Hall 2 : Concurrent Session</u>	
T-3-Lead Papers	
10:16-10:35	Zero liquid discharge in distilleries through bio-composting <i>Nitin S Deshpande and Vinayak S Anawalikar</i>
10:36-10:55	Managing the transition to mechanical cane harvesting <i>Robert G Quirk and Tim G. Zwemer</i>
10:56-11:15	Mechanizing the sugarcane harvest operation: A blueprint for an efficient transition from hand cutting <i>C. M. Webre , B.J. Viator, E.P. Richard and D.J. Hebertt</i>
11:16-11:35	Techno-economic evaluation of lignin from sugarcane bagasse for antimicrobial textile <i>Jackapon Sunthornvarabhas, Siriluck Liengprayoon, Chonlada Buratcharin, Thongchai Suwonsichon, Wirat Vanichsiratana and Klanarong Sriroth</i>
11:36-11:55	Profiling of phenolic compound in sugar process <i>Walaiporn Rungjang, Klanarong Sriroth, Siriluck Liengprayoon, Jackapon Sunthornvarabhas</i>
T-3-Oral Papers	
11:56-12:05	Derivation and evaluation of thermal kinetics of saponification of sugarcane (<i>Saccharum officinarum</i> L.) wax <i>Gan-Lin Chen, Feng-Jin Zheng, Hai-Rong Guo, Jian Sun, Manoj Kumar Srivastava, Bo Lin and Yang-Rui Li</i>
12:06-12:15	Opportunities and challenges for carbon nanofiber from sugarcane bagasse lignin <i>Siriluck Liengprayoon, Warawut Supamitrmongkol, Saowalak Jantharasunthorn, Walaiporn Rungjang and Jackapon Sunthornvarabhas</i>
12:16-12:25	Impact of sugarcane juice clarification on qualities of non-centrifuge cane brown sugar: Physicochemical properties, some nutraceuticals and antioxidant activities <i>Kanyaphat Meerod, Wanwisa Pansak and Monthana Weerawatanakorn</i>
12:30-13:30	LUNCH BREAK

Wednesday 7 th March, 2018	TECHNICAL SESSION III Sugarcane harvesting, Processing, Value addition and Stewardship of Environment Chairman: Dr. Narendra Mohan, India Co-Chairman: Dr. Wirat Vanichsriratana Co-ordinators: Prakrit Sukyai (Thailand) and V.S. Anawalikar (India) Venue: Hall 2 : Concurrent Session
POST LUNCH SESSION	
13:31-13:40	Effect of calcium carbonate precipitation for impurities removal in sugarcane juice <i>Duangrudee Wangpoomyai, ChaiwatNgasan ,Siripokanan Mingmuang, Santipan Promkam, Pramuk Parakulsooksatit and Nuttakan Nitayapat</i>
13:41-13:50	Preparation of superabsorbent polymer from sugarcane bagasse via extrusion process <i>Natthawut Neamjan, Rujirek Wiwattananukul, Kitikhun Hiangrat, Kriengkrai Matkaran, Yanischa Na-iam, Morakot Sakulsombat and Klanarong Sriroth</i>
13:51-14:00	Application of near infrared spectroscopy (NIR) for sugar content prediction in molasses <i>Pisittinee Chapanya,, Pitiporn Ritthiruangdej, Rattana Muengmontree, Anutin Patamasuwan Klanarong Sriroth and Wirat Vanichsriratana</i>
14:01-14:10	Evaluation of mannitol in post-harvest sugarcane deterioration and assessing juice quality in Thailand sugar factory <i>Rattana Mueangmontri,, Pisittinee Chapanya,, Anutin Pattamasuwan,, Prakrit Sukyai and Klanarong Sriroth</i>
14:11-14:20	Selection of protein-rich Saccharomyces cerevisiae from sugarcane mills for feed and food applications <i>Waranya Natesuntorn, Saranya Phaengthai, Chokchai Sompugdee, Morakot Sakulsombat and Klanarong Sriroth</i>
14:21-14:30	Expert system for sugar process improvement <i>Sathaporn Pengpit, Piyapong Wongaiy and Wirat Vanichsriratana</i>
14:31-14:40	Online estimation of overall heat transfer coefficient in sugar evaporators <i>Piyapong Wongaiy, Sathaporn Pengpit and WiratVanichsriratana</i>
14:41-14:50	Effect of sodium chlorite bleaching time on the properties of sugarcane bagasse <i>Chokchai Sompugdee, Morakot Sakulsombat, Klanarong Sriroth and Prakrit Sukyai</i>
14:51-15:00	Scale-up of xylanase production by Thermobifida fusca PA 1-1 using delignified sugarcane bagasse in fermenter <i>Mangkorn Rodprapakorn, Danai Khorprasert, Pearsai Khorbhuddee, Pakamon Chitprasert and Werasit Sanpamongkolchai</i>
15:01-15:10	The developement of real time accumulated weight monitoring equipped with truck for sugarcane harvesting <i>Khwantri Saengprachatanarug, SereeWongphichet, Kittiphit Ungsathittavorn and Janpen Tosoongneun</i>
15:11-15:20	Sugarcane bagasse as promising substitute for production of surfactants (Bio-detergent) <i>Narendra Mohan, Vishnu P. Srivastava and Anushka Agarwal</i>
15:21-15:30	The quantitative measurement of sugarcane quality using portable NIR <i>Rutchadaporn Nootas,, Ronnarit Rittiron, Pisittinee Chapanya,, Anutin Pattamasuwan,, Klanarong Sriroth, and Wirat Vanichsriratana,</i>
15:31-16:00	COFFEE BREAK

16:01-16:10	Study on physical properties of biodegradable composites based on cassava residue and bagasse fibers waste <i>Tarinee Nampitch, Thiti Kaisone,, Pran Hanthanon, Chanon Wiphanurat, Sumate Ouipnich and Yupawan Thongjun</i>
16:11-16:20	Sugarcane harvesting costs and the management: A case study of Thailand <i>Kulapa Kuldilok, Nuttapon Photchanaprasert and Thanaporn Athipanyakul</i>
16:21-16:30	Supply, potential demand, and impact of sugarcane harvester adoption in Thailand <i>Nuttapon Photchanaprasert, Kullapa Kuldilok and Thanaporn Athipanyakul</i>
16:31-16:40	Insoluble starch content in sugar products of cane harvested sugar factory <i>Rattana Mueangmontri, Pisittinee Chapanya, Anutin Pattamasuwan and Klanarong Sriroth</i>
16:41-17:00	Environmental input management for sugarcane <i>Luiz Marcandalli</i>
17:00-18:00	Fixing of Posters in Main Hall

Wednesday 7th March, 2018	
TECHNICAL SESSION I	
Sugar Crops Production & Protection Technologies, Mécanization of farms	
Chairman : Dr. R.K.F. NG KEE KWONG (Mauritius)	
Co-Chairman : Prof. Duli Zhao (USA)	
Coordinators : Dr. Jureemart	
Wangkeeree (Thailand) and Dr.Deeksha Joshi (India)	
<u>Venue: Hall 1 : Concurrent Session</u>	
16:01-16:10	Site-specific nutrient management for target yield in ratoon sugarcane <i>B. T. Nadagouda and S. M. Hiremath</i>
16:11-16:20	Integrated nutrient management approaches for enhancing production potential and sustainability of sugarcane (Saccharum spp. hybrid) plant- ratoon system in North India <i>Shri Prakash Yadav, S.C. Singh, Sonia Yadav, S.K. Yadav, Ajay Tiwari and B.L. Sharma</i>
16:21-16:30	Visacane sugarcane quarantine and its partner networks <i>Emmanuel Fernandez,, Audrey Thong-Chane, Laurent Barau, Denis Filloux,, Isabelle Guinet-Brial,, Dimitre Mollov, Charlotte Julian,, Romain Ferdinand,,Philippe Roumagnac, and Jean Heinrich Daugrois,</i>
16:31-16:40	Improvising green growth with biodynamics & nanotechnology for sustainable development <i>Rajesh Kr. Dubey</i>
16:41-16:50	Bacterial isolation and its role on the leafhopper vector of sugarcane white leaf disease <i>Jureemart Wangkeeree and Yupa Hanboonsong</i>
16:51-17:00	Situation report on the sugarcane white leaf disease in the northeast of Thailand and in Laos <i>Laurent Soulard</i>
17:01-17:10	Trichoderma sp.: A potent tool for biological control of diseases, residue management and growth promotion in sugarcane <i>Deeksha Joshi, Pushpa Singh and A. K. Singh</i>
17:11-17:20	Managing diseases for profitable sugarcane farming in Zimbabwe - Challenges and success stories <i>Petros Zvoutete</i>
17:21-17:30	Genotypic diversity in Sporisorium scitamineum the causal of sugarcane smut disease in Egypt <i>A.M.H. Esh, M.I. Nasr, M.M.A. Elkhali and A.A. Guirgis</i>

17:31-17:40	First report of Fusarium commune causing root rot on sugarcane (var. badila) in China <i>Jihua Wang,, Yisha Li, G.P. Rao, Yixue Bao, Shiqiang Xu and Muqing Zhang</i>
17:41-17:50	Recent progress in eco-friendly management of sugarcane borers in India <i>S. Sithanatham, M.R. Singh and Arun Baitha</i>
17:51-18:00	Effectiveness of mechanically hand-removing of dead-hearts as a part of cultural management of stalk borers Sesamia spp. in sugarcane fields <i>Amin Nikpay and Peyman Sharafizadeh</i>
18:00-19:00	Fixing of Posters in Main Hall

Thursday 8th March, 2018	
09.00-09.45	Keynote Lecture on <i>Green energy for the Indian sugar industry : A step towards social, economic & environmental sustainability</i> by Narendra Mohan, Director, National Sugar Institute, Kanpur
09:46-10:00	COFFEE BREAK
10.00-12.00	TECHNICAL SESSION I Sugar Crops Production & Protection Technologies, Mécanization of farms Chairman : Dr. R.K.F. NG KEE KWONG (Mauritius) Co-Chairman : Prof. Duli Zhao (USA) Coordinators : Dr. Jureemart Wangkeeree (Thailand) and Dr.Deeksha Joshi (India) <u>Venue: Hall 1</u>
10:01-10:10	Imperceptible epiphyte of Xanthomonas albilineans (Ashby) Dowson: causal agent of sugarcane leaf scald disease in Cuba <i>Yosel Pérez Pérez, José R. Pérez Milián, María La O Echavarría and Héctor García Pérez</i>
10:11-10:20	Effect of silicon and nitrogen on the attack of Diatraea tabernella Dyar in Panama <i>Randy Atencio, François-Regis Goebel and Abby Guerra</i>
10:21-10:30	Frequency of occurrence and population density of lesion and root knot nematodes in Rarawai and Penang mill district of the Fijian sugarcane belt <i>Nalini S Prasad, Binita V Padayachi and Prem Naidu</i>
10:31-10:40	Telenomus dignus (Gahan) (Scelionidae: Hymenoptera): An egg parasitoid of Chilo sacchariphagus indicus (Kapur) <i>Arun Baitha, D.C. Srivastava and M.R. Singh</i>
10:41-10:50	Influence of different water based extract and herbicides on yield attributing character and yield of spring planted sugarcane <i>R.K. Singh, Vikram Kumar, Hari Singh and Varun Singh</i>
10:51-11:00	Bioefficacy and phytotoxicity evaluation of sulfentrazone 39.6% ww (48% w/v) SC against weed spectrum of sugarcane under subtropical India <i>Mehar Chand and Samar Singh</i>
11:01-11:10	Sugarcane yield and soil properties as influenced by organic and inorganic manures <i>R.B. Khandagave</i>
11:11-11:20	Sugarcane Insect Pests on Changing of Rice to Sugarcane Plantations: Risk and management <i>Sunisa Sanguansub, Yuwatida Sripontan, Anuchit Chinajariyawong and Thanutchart Supjee and Sapon Uraichuen,</i>

11:20-11:30	Sustainable development strategy of borer control in Chongzuo sugarcane fields of Guangxi using bio control agents <i>Pan Hongchun and Manjunatha S Rao</i>
12:00-13:00	LUNCH BREAK
13.00-15.00	SESSION V Interactive Session-Poster Presentation Chairman : Dr. S.Solomon Co-Chairmen : Prof. Duli Zhao (USA), Dr. G.P. Rao (India), Son Chu-Ky (Vietnam), Pisittinee Chapanya (Thailand) Coordinators : Jackapon Sunthornvarabhas (Thailand) and Manoj K Srivastava (India) <u>Venue Main Hall</u>
T1-P-1	Development and testing of a tractor-drawn sugarcane billets planter <i>Agidi Gbabo, Ndagi Baba and Wada Akaamaa</i>
T1-P-2	Field efficacy of Bisultap and Durivo on sugarcane borers and <i>Ceratovacuna lanigera</i> (Zehntner) in Guangxi, China <i>Zhen-Qiang Qin, Ya-Wei Luo, Lei-Xing Mo, Jin-Ju Wei, Xiu-Peng Song, Lu Liu and Zhan-Yun Deng</i>
T1-P-3	Analysis of productivity and stability of sugarcane variety Guitang 46 in Guangxi, China <i>Yu-Chi Deng, Lun-Wang Wang, Hai-Rong Huang, Jia-Yong Huang, Shi-Yun Tang, Xiang Li, Fang Tan, Yan Jing, Wu Xian and Zhong-Feng Zhou</i>
T1-P-4	Current research status of egg parasitoids against sugarcane borers in China <i>Xue-Hong Pan, Cheng-Hua Huang, Ji-Li Wei, Xian-Kun Shang and Shan-Hai Lin</i>
T1-P-5	Screening red rot resistant somaclones (R2) Compared to their parents <i>Kuasha Mahmud, K M Nasiruddin, M A Hossain and L Hassan</i>
T1-P-6	Yield and quality of tropical sugarbeet as influenced by variety, spacing and fertilizer application <i>S.K. Paul, U. Paul, M.A.R. Sarkar and M.S. Hossain</i>
T1-P-7	Influence of long term application of chemical fertilizers on soil acidification <i>H. Tan, Liuqiang Zhou and Shangdong Yang</i>
T1-P-8	Photoautotrophic rooting of sugarcane microshoots <i>WZ He,, LM Liu,, HJ Liu,, YG Fan,, KX Yu, and ML Weng,</i>
T1-P-9	Occurrence and grading of resistance analysis of sugarcane pokkah boeng in Liuzhou and Laibin counties of Guangxi province <i>Lin Shanhai, Duan Weixing, Huang Youzong, Tnag Shiyun, Wang Zeping and Li Yijie</i>
T1-P-10	Changes of physiological and biochemical indexes in leaves during photoautotrophic rooting process of rootless sugarcane microshoots <i>Limin Liu, Weizhong He, Hongjian Liu, Kunxing Yu, Yegeng Fan and Mengling Weng</i>
T1-P-11	Ascorbic acid as a potent biochemical marker for mitigating salinity stress in sugarcane (<i>Saccharum officinarum</i> L.) genotype <i>Ranjana Singh and R.S. Sengar</i>
T1-P-12	Effects of different seedling spindling control measures on yield and quality of paper pot sugar beet (<i>Beta vulgaris</i> L.) in Northeast China black soil area <i>Xiang-Ming Zhu, Bing-Jin Han, Ji Yang and Bai-Quan Song</i>
T1-P-13	The performance of six sugar beet varieties under the effect of in furrow nematicide application on the root-knot nematode– fusarium wilt complex in Ismailia and Nubariya marginal sugar beet fields <i>A. M. Abd El-Razek, I. M. A. Gohar, A. A. Abo El-Frooh and M. M. Abd-El Rahman</i>

T1-P-14	Harnessing the potential of intercropping in sugarcane for enhancing the farmer's income <i>D.P. Singh, S. Solomon, H.G. Prakash and A.K. Singh</i>
T1-P-15	Pattern of sugarcane production in lower northern Thailand <i>Thanatsan Poonpaiboonpipat, Wipa Homhuall, Wanwisa Pansak and Anupong Wongtamee</i>
T1-P-16	Life table study of leafhopper <i>Matsumuratettix hiroglyphicus</i> and its control by entomopathogenic fungi <i>Chanant Kaewmanee,, Chidchanok Chaiyaporn and Jureemart Wangkeeree</i>
T1-P-17	Effect of hot antibiotic treatment on germination and controlling of sugarcane white leaf disease of sugarcane stalk <i>Udomsak Lertsuchatavanich, Siriporn Donnua, Jetsada Authapun, Thamonwan Srichompoo and Niphone Thaveechai</i>
T1-P-18	Alternative screening for drought tolerant varieties focusing on growth and physiological traits <i>Chirawat Prasitsom, Prapat Punpee, Suttipun Keawsompong and Peeraya Klomsa-ard</i>
T1-P-19	Pre-emergence herbicide residues in soil sugarcane field in Thailand <i>Sarawut Rungmekarat and Rungsit Suwanmakha</i>
T1-P-20	Silicon application to reduce damage in sugarcane due to early shoot borer, <i>Chiloinfuscatellus Snellen</i> (Lepidoptera: Crambidae) infestation in Lop Buri, Thailand <i>Ratchadawan Ngoen-Klan, Sarawut Rungmekarat, Chaiyasit Thongju and Prakai Rajchanu-Wong</i>
T1-P-21	Survey of insects associated with sugarcane crops (<i>Saccharum officinarum</i>) in Kamphaeng Phet province, Thailand <i>Prakai Rajchanuwong , Suksawat Polpinit, Kosol Charernsom, Ratchadawan Ngoen-Klan and Sarawut Rungmekarat</i>
T1-P-22	Sugarcane pests and diseases in Thailand: The current situation and control procedure <i>Manuwat Tintarasaranaratchaseema, Varinthorn Jarnkoon, Worawan Sornkom, Peeraya Klomsa ard and Klanarong Sriroth</i>
T1-P-23	Effect of biochar addition on growth, photosynthetic characteristics and nutrient distribution in sugarcane <i>Liao Fen,, Yang Liu, Xue Jian-jun, Yu Kunxing, Huang Dong-liang, Li Yang-ru and Yang Li-tao</i>
T1-P-24	Biopesticide <i>Metarhizium anisopliae</i> for <i>Dorystenes buqueti</i> control <i>Pratchya Swangmaneecharern, M. Tintarasara, N.A. Ratchaseema, V. Jarnkoon, P. Klomsa and K. Srioth</i>
T1-P-25	Effect of three insecticides on parasitism efficiency of sugarcane whitefly parasitoid wasps <i>Pegah Koohzad-Mohammadi, Masumeh Ziaee and Amin Nikpay</i>
T1-P-26	Efficacy of Alion® herbicide on control of purple nutsedge <i>Cyperus rotundus</i> under sugarcane field conditions <i>Peyman Sharafizadeh and Amin Nikpay</i>
T1-P-27	Efficiency of entomopathogenic fungi to sugarcane leafhopper, <i>Matsumuratettix hiroglyphicus</i> (Matsumura) (Hemiptera: Cicadellidae) <i>Nichanun Kernasa,,Parichat Jamrutsri, Siriya Kumpiro,,Roongnapa Korpaditskul and Sapon Uraichuen,</i>
T1-P-28	Yield performance and reaction to some diseases of different sugar cane varieties in two ecological zones of Nigeria <i>A C Wada</i>
T1-P-29	Cultural practices for sustainable management of sugarcane moth borers <i>Amin Nikpay</i>
T1-P-30	Bio-active silicon (ortho silicic acid) impacts pre and post harvest quality of sugarcane <i>Priyanka Singh, Neeru Jain, Amit Bhatnagar, M.M. Singh, B.L. Sharma and S. Solomon</i>

T1-P-31	The effect of Trinexapac ethyl on sugar content increasing in cane <i>Dumrongsak Deowanish, Monton Tantasutthikul, Thanawat Sirirat, Adulsak Yaemsuan, Surachai Nama, Aphichai Wongwanitphan and Bencharong Wangkahad</i>
T1-P-32	Changes in the activities of key enzymes during the growth and development of sugarcane internodes <i>Rong-Fa Chen, Li-Hang Qiu, Xing Huang, Jian-Ming Wu, Yang-Rui Li, Li-Tao Yang</i>
T1-P-33	Boosting green economy through introduction of bio-agents in sugarcane cultivation <i>S. Solomon and H.G. Prakash</i>
T1-P-34	Quantitative and qualitative evaluation of green muscadine fungus, Metarhiziumanisopliae collected by the spore separation machine <i>Sopon Uraichuen,, NichananKernasa,, Thana Cheepsomsong, Anuchit Chinajariyawong and Sarinyarat Tunnakundecha</i>
T1-P-35	Growth-promoting effect and nitrogen fixation ability of Klebsiella variicola DX120E inoculation on two sugarcane cultivars <i>Chun-Yan Wei, Bao-Qing Zhang, Xiu-Peng Song, Yong-Xiu Xing, Li-Tao Yang and Yang-Rui Li</i>
T2-P-1	Sucrose transporter (SUT) genes correlated with sucrose accumulation in sugarcane internodes <i>Jun-Qi Niu, Jing-Li Huang, Thi-Thu Phan, Yong-Bao Pan, Li-Tao Yang and Yang-Rui Li</i>
T2-P-2	Evaluation of sugarcane parents and crosses by combining ability analysis <i>Fang Tan, Rong-Zhong Yang, Yan Jin and Hui Zhou</i>
T2-P-3	Role of BO clones for sugarcane varietal improvement in India <i>Balwant Kumar, D.N. Kamat and S.S.Pandey</i>
T2-P-4	A high yielding early maturing sugarcane variety ‘CoP 112’ released for its commercial cultivation in Bihar <i>Balwant Kumar, D.N. Kamat and S.S. Panday</i>
T2-P-5	Breeding and evaluation of new sugarcane variety GT 48 <i>Wang Lun-wang, Huang Hai-rong, Li Xiang, Jing Yan, Deng Yu-chi, Xain Wu, Tan Fang and Tang Shi-yun</i>
T2-P-6	Discussion on breakthrough of inbreeding and networking in creating new sugarcane parents <i>Cai-wen Wu</i>
T2-P-7	A new sugarcane variety: U-Thong 15 <i>Udomsak Duanmeesuk, Wanlipa Suchato, Artasit Boontham, Wasana Wandee, Acharaporn Wongsuksri, Sumalee Pothong, Suwat Phoonphan, Somboon Wandee, Piyatida Insuk, Chaiwat Kakandee and Rattapol Chooyod</i>
T2-P-8	Development of callus induction and plant regeneration for mutagenesis in sugarcane cultivar Khon Kaen3 (Saccharum Spp.) <i>Napa Weksanthia, Wannasiri Wannarat and Tanapon Chaisan</i>
T2-P-9	Genetic variability in cane and sugar yield of elite sugarcane clones in plant and ratoon cane under rainfed conditions in the Northeast of Thailand <i>Patcharin Songsri,, Juthamas Khruengpatee and Nuntawoot Jonglangklang,</i>
T2-P-10	In silico analysis of simple sequence repeat (SSR) polymorphisms of drought-related genes in sugarcane <i>Warodom Wirojsirasak, Prapat Punpee and Rubwad Mathuranyanon</i>
T2-P-11	Correlation and path coefficient analyses in elite clones of sugarcane <i>Nattapat Khumla, Raweewan Chuekittisak, Piyathida Insuk and Udomsak Duanmeesuk</i>
T2-P-12	Comparative study of new sugarcane varieties and locally cultivated varieties in Banrai district, Uthai Thani province <i>Sasinan Jansuwan</i>

T2-P-13	Transcriptome profiling of sugarcane interaction with the twisted leaf disease <i>Xi-Hui Liu, Jin-Ju Wei, Hui-Ping Ou, Hui Zhou, Rong-Hua Zhang and Yang rui Li</i>
T3-P-1	Utilization of lignocellulosic biomass for bioethanol production by the fungus <i>Coprinopsis cinerea</i> <i>Poonam Maan and R.S. Sengar</i>
T3-P-2	Studies of spontaneous combustion in bagasse stockpile <i>Anutin Pattamasuwan,, Nuchnicha Phaeon, ,Pisittinee Chapanya, Klanarong Sriroth,, Wason Wongrat and Wirat Vanichsrirataana</i>
T3-P-3	Anti-oxidant phenolic extracts from sugarcane bagasse for sustainable core of - bioeconomy <i>Nuttapong Kumpan, Morakot Sakulsombat,, Nopparat Cheetangdee and Klanarong Sriroth</i>
T3-P-4	Rapid determination and discrimination of sugarcane with and without burning based on shredded stalks using near infrared spectroscopy <i>Pitiporn Ritthiruangdej,, Rattana Mueangmontri, Pisittinee Chapanya, and Sumaporn Kasemsumran</i>
T3-P-5	Comparisons of fly ash from bagasse and mixed bio-mass combustion for its use as an adsorbent <i>Chaiwat Ngasan, Chinnathan Areeprasert, Raoul Lionnet, Pimchanok Busayapongchai, Anutin Pattamasuwan, Klanarong Sriroth and Ulaiwan Withayagiat</i>
T4-P-1	Agri-business development opportunities through sugarcane and its bio-based products in India <i>Munish Kumar and S. Solomon</i>
15:01-15:30	COFFEE BREAK
16.00-17.30	Valedictory Session Chairman: Prof. Yang-Rui Li, President IAPSIT Co-ordinator: Dr.S.Solomon Dignitaries on the dais: Prof. Kitti Choonhawong, Prof. G.P.Rao, Prof. Wirat Vanichsrirataana, Dr.Q.Z.Tang, IAPSIT EC Members and other Organizers from Thailand <ul style="list-style-type: none">• Presentation of Session Report by Session Chairman/Coordinators• Felicitation function of IAPSIT/SSRP : Prof. Y.R.Li/ Dr.S.Solomon/ Dr.G.P.Rao/ Prof. Kitti Choonhawong/ Prof. Wirat• Sharing /Announcement/Thanksgiving• Conclusion of IS 2018 and Vote of Thanks Venue Main Hall
19.00- 20.30	Farewell Dinner

Friday 9th March, 2018	
07.00 -07.30	Meet at Hotel Lobby
10.30-12.00	Visit to ERAWAN SUGAR COMPANY & Experimental site of Sugar Industry <ul style="list-style-type: none">• Welcome speech by Governor of Nongbua Lamphu Province• Brief introduction to R & D Centre of Erawan Sugar Company
12:00-13:30	LUNCH BREAK
14.00-16.00	Group 1: Visit to R & D Centre Group2: Visit to Sugar Factory Power plant
16.00	Departure for the Hotel
Saturday 10th March, 2018	
Adieu - Departure from Udon Thani	

Note : Delegates may fix Poster in Main Hall on 7th March from 17:00 - 19:00

