ADC 2015

The 8th Asia-Pacific Drying Conference Cititel Mid Valley, Kuala Lumpur 10-12 August 2015

10 August 2015 (Monday)				
5:00 pm – 8:00 pm	Venue: Citi Café, Lobby Level Pre-Registration & Reception			
11 August 2015 (Tuesday)				
8:00 am – 9:00 am 9:00 am – 9:30 am	Venue: Matahari 3 & 4, Level 5 Registration Opening			
9:30 am – 10:30 am	Plenary 1 (Matahari 3 & 4, Level 5) Food And Bio-Particle Engineering Based On Spray Drying Platforms Professor Xiao Dong Chen (Soochow University, China)			
10:30 am – 11:00 am	Break			
11:00 am – 11:30 am	Keynote 1 (Matahari 3, Level 5) Innovation In Drying - Needs, Challenges And Selected Examples Dr Sachin V. Jangam (National University of Singapore)			
	Keynote 2 (Matahari 4, Level 5) Drying: Agriculture And Sustainability Professor Bhaskar N. Thorat (Institute of Chemical Technology, India)			
11:30 am – 12.45 pm	Oral Session 1 (Matahari 3, Level 5): Innovative Drying & Dehydration Techniques Oral Session 2 (Matahari 4, Level 5): Fundamentals/Theories & Drying Strategy			
12:45 pm – 2:00 pm	Lunch (Citi Café, Lobby Level)			
2:00 pm – 2:30 pm	Keynote 3 (Matahari 3, Level 5) The Development Of An Innovative Dryer With Air Dehumidification System For Sustainable Food Drying Associate Professor Dr Mohamad Djaeni (Diponegoro University, Indonesia)			
	Keynote 4 (Matahari 4, Level 5) Timber Drying In Peninsular Malaysia Dr Gan Kee Seng (Forest Research Institute Malaysia)			
2:30 pm – 3:30 pm	Oral Session 3 (Matahari 3, Level 5): Drying Of Food & Agricultural Products (I) Oral Session 4 (Matahari 4, Level 5): Mathematical Modelling & Simulations (I)			
3:30 pm – 4:30 pm	Poster Session 1 & Break			
4:30 pm – 6:00 pm	Oral Session 5 (Matahari 3, Level 5): Drying Of Food & Agricultural Products (II) Oral Session 6 (Matahari 4, Level 5): Mathematical Modelling & Simulations (II)			
Gala Dinner				
	Venue: Bintang Ballroom, Level 5			

7:30 pm – 8:00 pm	Arrival Of Guests
8:00 pm – 11:00 pm	Dinner & Award Ceremony
	*Dress Code: Casual Smart

12 August 2015 (Wednesday)				
9:00 am – 10:00 am	Plenary 2 (Matahari 3 & 4, Level 5) Importance Of Understanding The Structural Relaxation Of Rice During Drying, Tempering And Storage Professor Bhesh Bhandari (University of Queensland, Australia)			
10:00 am – 11:00 am	Poster Session 2 & Break			
11:00 am – 11:30 am	Keynote 5 (Matahari 3, level 5) Innovative Drying For Upgrading Of Low-Rank Biomass Professor Yoshinori Itaya (Gifu University, Japan)			
	Keynote 6 (Matahari 4, level 5) High Quality And Efficient Food Drying With Microwave And Its Combination <i>Professor Min Zhang (Jiangnan University, China)</i>			
11:30 pm – 12:45 pm	Oral Session 7 (Matahari 3, level 5): Quality Of Dehydrated/Dried Products (I) Oral Session 8 (Matahari 4, level 5): Antioxidant Properties & Bioactive Compounds			
12:45 pm – 2:00 pm	Lunch (Citi Café, Lobby Level)			
2:00 pm – 3:30 pm	Oral Session 9 (Matahari 3, level 5): Quality Of Dehydrated/Dried Products (II) Oral Session 10 (Matahari 4, level 5): Quality Of Dehydrated/Dried Products (III)			
3:30 pm – 4:00 pm	Break			
4:00 pm – 5:00 pm	Closing and award ceremony			

ORAL SESSIONS

Oral Session 1: Innovative Drying & Dehydration Techniques						
11:30 am – 11:45 am	A1008	Grain Drying In A Multiple Draft Tube Spouted Bed - A Preliminary Study				
11:45 am – 12:00 pm	A1035	Pilot Testing Of Pulse Combustion Spray Drying In Foods				
12:00 pm – 12:15 pm	A1097	Shrinking The Spray Dryer Into A Tube				
12:15 pm - 12:30 pm	A1082	Effect Of Char Addition On Sludge Drying Behavior In Bio-Drying Process				
12:30 pm – 12:45 pm	A1074	Vacuum Assisted Radio Frequency Based Drying Of Food And Agricultural Products				
Oral Session 2: Fundamentals/Theories & Drying Strategy						
11:30 am – 11:45 am	A1029	Drying Of Non-Aqueous System: Modeling By The Reaction Engineering Approach (REA)				
11:45 am – 12:00 pm	A1098	Capturing The Formation Of Core-Shell Structure Of RS/Silica Composite Droplets During Convective Drying - A Single Droplet Drying Analysis				
12:00 pm – 12:15 pm	A1044	Energy-Efficient Thermal Drying Using Impinging Jet - Effect Of Intermittency And Flipping Of The Substrate				
12:15 pm - 12:30 pm	A1114	Moisture Sorption Characteristics And Isosteric Heat Of Sorption Of Dried Cassava (Manihot esculenta Crantz) Grates				
Oral Session 3: Drying Of Food & Agricultural Products (I)						
Oral Session 3: Drying (Of Food &	Agricultural Products (I)				
Oral Session 3: Drying 0 2:30 pm – 2:45 pm)f Food 8 A1065	Agricultural Products (I) Comparative Study Of Drying Methods On Chemical Constituents Of Malaysia Red Seaweed				
2:30 pm – 2:45 pm	A1065	Comparative Study Of Drying Methods On Chemical Constituents Of Malaysia Red Seaweed				
2:30 pm – 2:45 pm 2:45 pm – 3:00 pm	A1065 A1047	Comparative Study Of Drying Methods On Chemical Constituents Of Malaysia Red Seaweed Drying Of White Radish Under Low-Pressure Superheated Steam				
2:30 pm – 2:45 pm 2:45 pm – 3:00 pm 3:00 pm – 3:15 pm	A1065 A1047 A1056 A1021	Comparative Study Of Drying Methods On Chemical Constituents Of Malaysia Red Seaweed Drying Of White Radish Under Low-Pressure Superheated Steam Beta -Carotene Contents From Fruit Peels In Thailand Using UV-Visible Analysis Technique Freeze-Drying Of Persimmon Fruit To Extend The Shelf Life Of Wheat Grass Juice Inoculated With Probiotics				
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2:30 pm – 2:45 pm 2:45 pm – 3:00 pm 3:00 pm – 3:15 pm 3:15 pm – 3:30 pm Oral Session 4: Mathem 2:30 pm – 2:45 pm	A1065 A1047 A1056 A1021 atical Mo A1002	Comparative Study Of Drying Methods On Chemical Constituents Of Malaysia Red Seaweed Drying Of White Radish Under Low-Pressure Superheated Steam Beta -Carotene Contents From Fruit Peels In Thailand Using UV-Visible Analysis Technique Freeze-Drying Of Persimmon Fruit To Extend The Shelf Life Of Wheat Grass Juice Inoculated With Probiotics delling & Simulations (I) Testing, Nonlinear Modelling And The Efficiency As Heavy Metal Removal In <i>Kappaphycus</i> <i>alvarazii</i> Variety Tambalang Using Solar Dryer In Malaysia				

Oral Session 5: Drying Of Food & Agricultural Products (II)					
4:30 pm – 4:45 pm	A1001	Implications Of Drying Temperature And Humidity On The Drying Kinetics Of Seaweed			
4:45 pm – 5:00 pm	A1072	Effects Of Feed Compositions And Drying Temperature On Spray-Dried Coconut Milk Powder			
5:00 pm – 5:15 pm	A1075	Comparison Drying Characteristics Of Pumpkin Using Tray Dyer And Jet Impingement Dryer			
5:15 pm – 5:30 pm	A1083	Production Of Spray-Dried Honey Jackfruit (<i>Artocarpus heterophyllus</i>) Powder From Enzyme			
	/11000	Liquefied Puree			
5:30 pm – 5:45 pm	A1086	Effect Of Sodium Caseinate On The Convective Drying Kinetics Of Single Droplets Of Aqueous			
0.00 pm 0.40 pm	//1000	Glucose			
Oral Session 6: Mathematical Modelling & Simulations (II)					
4:30 pm – 4:45 pm	A1022	Development Of A Dynamic Heat Pump Dryer Test Bench To Demonstrate Energetical			
		Optimization Possibilities Replicating Real Life Drying Processes			
4:45 pm – 5:00 pm	A1115	Three-Dimensional CFD Modeling And Simulation On The Performance Of Steam Ejector Heat			
		Pump For Dryer Section Of The Paper Machine			
5:00 pm – 5:15 pm	A1057	Thin Layer Drying Characteristics Of Palm Kernel			
5:15 pm – 5:30 pm	A1070	Effect Of Jet-To-Confinement Wall Distance On Heat Transfer Characteristics Of Impinging Jet			
		Array			
5:30 pm – 5:45 pm	A1019	Case Study Of Heat Pump Integration In A Blood Dryer			
5:45 pm – 6:00 pm	A1073	Drying Kinetics Of Treated And Untreated Seaweed In A Naturally Ventilated Solar Dryer			
	-	rated/Dried Products (I)			
11:30 am – 11:45 am	A1009	Effects Of Drying Condition On Color And Texture Of Palm Date Fruits			
11:45 am – 12:00 pm	A1025	Effects Of Fluidized Bed Drying Temperature, Tempering Time And Storage Period Of Paddy On			
10:00	44004	Parboiled Rice Quality			
12:00 pm – 12:15 pm	A1031	Effect Of Drying Rate On Amylose Content Of Rice Dried In A Laterally Aerated Moving Bed			
10.15		(Lamb) Dryer			
12:15 pm - 12:30 pm	A1100	Pretreatment Optimization In Chili Dehydration			
12:30 pm – 12:45 pm	A1113	Determination Of Influence Of Drying Parameters On Microbial Content, Curcumin Content And			
		Colour Of Curcuma longa L. (Waigaon Variety)			
Oral Session 8: Antioxi	dant Prop	erties & Bioactive Compounds			
11:30 am – 11:45 am	A1023	Effects Of Postharvest Treatments On Bioactives Compounds In Arabica Coffee			
11:45 am – 12:00 pm	A1043	Mass Transfer And Antioxidant Activities Of Osmotic Dehydrated Terung Asam (Solanum			
		lasiocarpum Dunal)			
12:00 pm – 12:15 pm	A1052	Hot Air Drying Of Germinated Yellow Corn And Purple Corn On Total Phenolics, Total Flavonoids			
		And Antioxidant Activity			
12:15 pm - 12:30 pm	A1060	The Redox (Pro-Oxidant/Antioxidant) Balance In The Spray Drying Of Orange Peel Extracts			
12:30 pm – 12:45 pm	A1081	Some Bioactivities Of Spices And The Effects Of Different Cooking Methods			
		rated/Dried Products (II)			
2:00 pm – 2:15 pm	A1053	Effect Of Oven Drying Temperature On Nutrients Concentration And Color Quality Of Banana Slices			
2:15 pm – 2:30 pm	A1059	The Effects Of Two-Stage Drying Of Cocoa Beans/Nibs On Selected Quality Parameters			
2:30 pm – 2:45 pm	A1092	Content Enhancement Of Polymethoxy Flavones (PMFS) Of Citrus Depressa Hayata By			
 _ _ _		Superheated Steam Treatment			
2:45 pm – 3:00 pm	A1067	Flavor Characterisation Of Tomato Using A Heat Pump Drying System			
3:00 pm – 3:15 pm	A1041	Ultrasond & Microwave Hybrid Drying Device For Colored Fruit Preservation - Product Quality			
		And Energy Efficiency			
3:15 pm – 3:30 pm	A1091	Mechanical Property Of Paddy Kernels As Affected By Grain Initial Moisture Content, Drying			
1 1	`	Temperature And Tempering Step After Drying			
		drated/Dried Products (III)			
2:00 pm – 2:15 pm	A1030	Effect Of Oil-Droplet Size On The Stability Of Squalene Oil In Spray-Dried Powder			
2:15 pm – 2:30 pm	A1096	Proximate Analysis And Sensory Evaluation Of Instant Mashed Potato Incorporated With Jackfruit			
		Seed Powder			
2:30 pm – 2:45 pm	A1068	The Effects Of Carrier Composition On The Sub-Cellular Injuries Of Lactic Acid Bacteria During			
0.45		Convective Droplet Drying			
2:45 pm – 3:00 pm	A1076	Effects Of Microwave-Vacuum Drying Technique On Drying Kinetics And Quality Of Orthosiphon			
	A 4 6 6 4	aristatus Leaves			
3:00 pm – 3:15 pm	A1004	The Effectiveness Of Sauna Technique On The Drying Period And Quality Of Seaweed			
2.15 pm 2.20 pm	A1004	Kappaphycus alvarezii Using V-Green Hybrid Solar Drier			
3:15 pm – 3:30 pm	A1024	Research Of Dielectric Properties Of Jiangnan Rice Cakes Based On Microwave Drying			
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POSTER SESSIONS

- A1011 Retention Of Sialic Acid Content In Edible Bird's Nest By Heat Pump Drying
- A1012 Colour Changes, Nitrite Content And Rehydration Capacity Of Edible Bird's Nest By Advanced Drying Method

A1020 Drying Rates And Desorption Isotherms Of Amorphous Sugar Solutions Containing Crystalline Materials: Sugar-Citric Acid System

- A1027 Sorption & Thermodynamics Characteristics Of Shrikhand (Indian Fermented Milk Sweet)
- A1037 Pigment Degradation In Foodstuffs And Future Drying Trend
- A1038 Heat And Moisture Transport: A Technical Review
- A1048 Microstructures Study Of Different Drying Methods Of Rice Noodles At Soaking Variation
- A1049 Study On Drying Behavior And Uniformity Of Dried Paddy Using Industrial Inclined Bed Dryer
- A1050 Improvement Of Drying Performance For Natural Rubber Slab With Microwave Assisted Hot Air Drying
- A1062 Effect Of Inlet Air Temperature And Maltodextrin Concentration On Qualities Spray Dried Dragon Fruit Juice
- Effect Of Spray Drying Conditions And Maltodextrin Concentration On The Functional And Physicochemical Properties Of A1064 Pink Guava Puree Powder
- A1071 Optimization Of Spray Drying Process On Sargassum muticum Colour Extract
- A1077 Heat Transfer Rate And Uniformity Of Swirling Impinging Jets
- A1085 Optimal Design Of A Hydrocyclone Used For On-Line Oil Purification In Fluid Power Systems
- A1088 Thin Layer Hot Air Drying Characteristics And Latent Heat Of Vaporization Of Cooked Milled Rice
- A1093 Drying Fruits And Vegetables With Solar Assisted Hydrocarbon Gas Heat Pump Dryer
- A1099 Effect Of Inlet Temperature Of Ananas comosus Spray Drying Process Towards Moisture Content And Particle Size
- A1111 A Comparative Study On Single Bed Desiccants For Air Dehumidification In Drying Process

Poster Session 2

Poster Session 1

- A1013 Improving Edible Bird's Nest Quality And Energy Efficiency By Intermittent Heat Pump Drying
- A1026 Effect Of Microwave-Vacuum Drying On The Quality Of Concoct Shrimp
- A1028 Effects Of Water Blanching On Total Polyphenol Contents Of Cocoa Beans
- A1034 Quality Research On Vacuum Far-Infrared Radiation Drying Lemon Slices
- A1039 Rubber Drying: Understanding The Mechanism And Recent Developments
- A1045 Numerical Design Of Microwave-Assisted Spouted Bed For Performance Optimization
- A1051 Effect Of Drying On Microstructure Change In Bio-Origin Product
- A1055 A Mini Review: Drying Of Ionic Liquids
- A1063 Effect Of Oven-Drying On The Colour Of Pomelo Fruit Waste (Citrus grandis)
- A1078 Influence Of Drying Technique On Retention Of Phytochemicals In Mas Cotek (Ficus deltoidea)
- A1079 Textural And Colour Changes Of Dried Rice Noodles At Drying And Soaking Variation
- A1087 Drying Processes For Microalgal Biomass A Mini Review
- A1089 Technological Aspects Of Drying In Green Polymer Biosynthesis
- A1090 Physical Properties And Microstructure Changes In Guava (Psidium guajava L.) During Hot Air Drying
- A1094 Effect Of Buckwheat Addition On Quality Of Dry-Cured Pork Sausage During Dry-Curing Process
- A1095 Enhancement Of Physicochemical And Sensory Properties Of Dry-Cured Loin By Using Whey Protein Fed Pigs
- A1112 Alternative Approaches In Strawberry Drying With Optimised Modified Atmosphere Drying For Product Quality