

CONGRESS SCIENTIFIC FULL PROGRAM

Tuesday, September 20, 2011		
14:00-19:00	Registration	
19:00--	Welcome Reception	
Wednesday, September 21, 2011		
08:00-9:30	Registration	
9:30-10:30	Opening Ceremony	
10:30-11:00	COFFEE BREAK	
	SESSION 1: KEYNOTE SESSION-I Chairman: ERCAN TEZER	
11:00-11:40	Keynote lecture 1: Trends in design of pesticide application equipment and the major forces behind innovations Erdal ÖZKAN (USA)	
11:40-12:20	Keynote lecture 2: Precision agriculture applications in high value crops Theofanis A. GEMTOS (GREECE)	
12:20-12:40	DISCUSSION	
12:40-14:00	LUNCH BREAK	
	ORAL SESSION (A1): Chairs : Ediz ULUSOY, Y. Benal YURTLU	ORAL SESSION (B1): Chairs: Kasiviswanathan MUTHUKUMARAPPAN, Yılmaz BAYHAN
14:00-14:20	Tractor Engine Fault Detection System Based On Vibration And Acoustic Monitoring <i>Dimitrios MOSHOU, Athanasios NATSIS, Dimitrios KATERIS, Ioannis GRAVALOS, Nader SAWALHI, Ioannis KALIMANIS, Spyridon LOUTRIDIS, Theodoros GIALAMAS, Panayiotis XYRADAKIS, Zisis TSIROPOULOS (GREECE&AUSTRALIA)</i>	Comparison of Few PV Systems with Fixed Stands in the Czech Republic <i>Martin LIBRA, Vladislav POULEK, Petr SEDLÁČEK, Václav BERÁNEK, Jan MAREŠ, Petr BICAN, Tomáš KOROSTENSKÝ (CZECH REPUBLIC)</i>
14:20-14:40	Crash Test for Seat Belt Anchorage <i>Hasan SİLLELİ, Cengiz İsmail ÇAY, Ahmet AKYÜZ, Caner KOÇ (TURKEY)</i>	Simulation Model for Greenhouse Heating by Engine Exhaust Gas <i>Gamal GAMEA, Mohamed ABD EL-MAKSOUĐ, Mohamed OMAR (EGYPT)</i>
14:40:15:00	A Track Type Oil Palm Fresh Fruit Bunch In-Field Transporter for Low Bearing Capacity Peat Terrain <i>Mohammad Hadi GHASSEMI, Azmi YAHYA, Ataur RAHMAN (MALAYSIA)</i>	Cultivation, Harvest and Storage of Short Rotation Coppice - Long-Term Field Trials, Environmental Effects and Optimisation Potentials <i>Volkhard SCHOLZ, Detlef EHLERT, Thomas HOFFMANN, Jürgen KERN, Ralf PECENKA (GERMANY)</i>
15:00-15:20	Determination of Efficiency of Lightened Guidance System on Agricultural Machinery: A Case Study on Fertilizer Broadcaster <i>Mehmet TOPAKCI, Mete HAS, İlker ÜNAL, Murad ÇANAKCI, Davut KARAYEL, Ali KOÇ (TURKEY)</i>	Biodiesel Potential of Chlorella Kessleri Grown under LED and Fluorescent Illumination Sources <i>Caner KOÇ, Gary A. ANDERSON, Bulent KOÇ, Mustafa VATANDAŞ (TURKEY & USA)</i>

15:20-15:40	COFFEE BREAK	
	ORAL SESSION (A2) Chairs: Wonsuk Daniel Lee, Hasan SİLLELİ	ORAL SESSION (B2) Chairs: İbrahim AKINCI, Erkan GONULOL
15:40-16:00	Spatio-temporal Constrained Planning Software for Field Machinery Dionysis BOCHTIS, Ole GREEN, Claus G. SØRENSEN (DENMARK)	Yield and Yield Components of Sweet Corn (<i>Zea Mays</i> L.) Grown Under Different Tillage Methods <i>Hossein T. SHAMSABADI, Desa AHMAD and Wayayok AIMRUN (MALAYSIA)</i>
16:00-16:20	Determination of Some Soil Parameters with Electromagnetic Induction Sensor <i>Uğur YEGÜL, Ufuk TÜRKER, Babak TALEBPOUR (TURKEY)</i>	The Effect of Geometry and Motion Characteristics of Narrow Tillage Tool on Soil Disturbance Efficiency <i>Ramin JAFARI, Seyyed Hossein KARPARVARFARD, Seyyed Ali HOSSEINI (IRAN)</i>
16:20-16:40	Use of Soil EC Data for Zoning the Production Field by Artificial Neural Network for Applying the Precision Tillage <i>Yousef ABBASPOUR-GILANDEH, Ahmad KHALILIAN, Fereshteh HASANKHANI (IRAN & USA)</i>	The Determination of the Performance of the Domestic Production Slant Boom Type Endless-Chain Excavator (Trencher) <i>Harun YALÇIN, Arif Behiç TEKİN, İsmet ÖNAL (TURKEY)</i>
16:40-17:00	Using Soil and Landscape Properties to Delineate Management Zones in Vines <i>Aristotelis TAGARAKİS, Vasilis LIAKOS, Spiros FOUNTAS, Stefanos KOUNDOURAS, Theofanis GEMTOS (GREECE)</i>	Modeling of Soil and Oscillatory Tine Interaction using Discrete Element Method <i>Gholamhossein SHAHGOLI, Naser SHAHI (IRAN)</i>
17:00-17:20	Effect of Spatial Distribution of Nitrogen Element on Wheat Crop Performance Based on Yield Monitoring System Hoda KARGARPOUR, Jalil RAZAVI, Mahmood Reza SALAR (IRAN)	Conservation Agriculture and Precision Agriculture as a Method to Reduce Energy Consumption in Agricultural Systems <i>Francisco MÁRQUEZ, Emilio GONZÁLEZ-SÁNCHEZ, Juan AGÜERA, Gregorio BLANCO, Jesús A. GIL-RIBES (SPAIN)</i>
17:20-18:30	POSTER SESSION	
19:00-....	DINNER	
Thursday, September 22, 2011		
SESSION 2: KEYNOTE SESSION-II Chairman: Janusz PIECHOCKI		
08:50-09:30	Keynote lecture 3: Physiological and behavioral sensors for individual cows–Advanced technology to support precision dairy management Ephraim MALTZ (ISRAEL)	
09:30-10:10	Keynote lecture 4: Hybrid drying of fruits and vegetables Stefan Jan KOWALSKI (POLAND)	

10:10-10:30	Discussion	
10:30-11:00	COFFEE BREAK	
	ORAL SESSION (A3) Chairs: Erdal ÖZKAN, İlker H. ÇELEN	ORAL SESSION (B3) Chairs: Desa AHMAD, Ali VARDAR
11:00-11:20	Advances in the Vision System of an Intelligent Robot for an Agricultural Production Ecosystem <i>Kei NAKAJI, Alejandro Isabel LUNA MALDONADO, Yusuke YAMAGUCHI (JAPAN & MEXICO)</i>	Rural Development and Biosystems Engineering in Turkey <i>Tanzer ERYILMAZ, M.Cumhur EROĞLU, Tamer UÇAR, Evrim ÖZRAHAT, Ö.Faruk KARACA (TURKEY)</i>
11:20-11:40	Performance of Different Types of Spraying Methods in Second Crop Maize Production <i>Ali BAYAT, Ali BOLAT, Alper SOYSAL (TURKEY)</i>	Irrigation Scheduling on the Base of Differently Estimated Crop Evapotranspiration <i>Milena MOTEVA, Valentin KAZANDJIEV, Zhivko ZHIVKOV, Veska GEORGIEVA, Iskra GEORGIEVA (BULGARIA)</i>
11:40-12:00	Evaluation of Insecticides Losses from Dressed Seed from Conventional and Modified Pneumatic Drills for Maize <i>Daniele POCHI, Marcello BIOCCA, Roberto FANIGLIULO, Elisa CONTE, Patrizio PULCINI (ITALY)</i>	Determination of Flow Parameters through CFD Analysis for Agricultural Irrigation Equipment: A Case Study for a Mini Valve <i>H. Kursat CELIK, Allan E. W. RENNIE, Davut KARAYEL, Ibrahim AKINCI (TURKEY & UK)</i>
12:00-12:20	Structural Analysis of Agricultural Machinery: A Case Study For a Transport Chassis of a Spraying Machine <i>Deniz YILMAZ, Emre HAMAMCI, Dorukhan SALIK, Yasin AHISKALI (TURKEY)</i>	Impact of Different Soil-Management Systems on Soil Water Dynamics During Rainy and Drought Seasons <i>Iván GARCÍA-TEJERO, José L. MURIEL-FERNÁNDEZ, Víctor H. DURÁN-ZUAZO, Juan A. JIMÉNEZ, Francisco PEREA (SPAIN)</i>
12:20-12:40	Development of an Automated Management System for the Traceability of Spraying in Fruit Orchards <i>Christian CORREA, Fernando REYES, Wilson ESQUIVEL, Rodrigo ORTEGA, Lorenzo VASQUEZ (CHILE)</i>	An Automatic Frost Protection System with Microsprinklers for Fruit Trees <i>Tekin ÖZTEKİN (TURKEY)</i>
12:40	LUNCH BREAK	
	ORAL SESSION (A4) Chairs: Saim BASTABAN, Selçuk ARSLAN	ORAL SESSION (B4) Chairs: Emin GÜZEL, Ralf PECENKA
14:00-14:20	Effect of Conservation Tillage on the Soil Properties and Cotton Yield <i>Sadegh AFZALINIA, Mohammad Ali BEHAEEN, Alidad KARAMI, Ahmad DEZFULI, Abolghasem GHASARI (IRAN)</i>	Design and Development of a Dense-Phase Suction Pneumatic System for Conveying Granular Materials in Agriculture <i>Hasan GHAFORI, Abbas HEMMAT, Ali Mohammad BORGHAE, Saeid MINAEI (IRAN)</i>
14:20-14:40	Computer Aided Design Optimization of Flexible Cultivator <i>Gopal U. SHINDE, Shyam R. KAJALE, Jayant M. POTEKAR, Ramesh G. NADRE (INDIA)</i>	Development of an Automatic Monitoring and Controlling System for a Controlled Atmosphere Storage of Mangos <i>Hung-Yen Chan, Chung-Kee Yeh (TAIWAN)</i>
14:40:15:00	The Modelling, Development and Evaluation of a Rotary Harrow	Detection of Potato and Clod Using an Acoustic Based LVQ

	<i>Hiwa GOLPIRA (IRAN)</i>	Intelligent Algorithm <i>Tarahom MESRI GUNDOSHMIAN, Asghar MAHMOUDI, Adel HOSAINPOUR, Mohammad H. KOMARIZADE (IRAN)</i>
15:00-15:20	Effect of Set up Parameters for a Dual Tine and Presswheel Seeding Module on Seed Placement and Germination <i>John FIELKE, Yilmaz BAYHAN (AUSTRALIA & TURKEY)</i>	Determination of Enzymatic Browning on Quinces (<i>Cydonia oblongo</i>) with Color Analysis <i>Abdullah BEYAZ, Ramazan ÖZTÜRK, Ali İhsan ACAR, Ufuk TURKER (TURKEY)</i>
15:20-15:40	COFFEE BREAK	
	ORAL SESSION (A5) Chairs: M. Tunç ÖZCAN, Milena MOTEVA	ORAL SESSION (B5) Chairs: Kamil EKİNCİ , Bagher EMADI
15:40-16:00	Comparing of Different Harvesting Systems in Wheat Harvesting <i>Ahmet İNCE, Sait M. SAY, Orhan KARA, Emin BİLGİLİ (TURKEY)</i>	The Evaluation and Comparison of Stress Node on Extended Octogonal Ring Transducers by Strain Energy Theory and Finite Element Method <i>Sina HAGHIGHAT SHISHVAN, R.Cengiz AKDENİZ, Yusef ABBASPOUR GILANDEH, Gurdal AKKUS (TURKEY)</i>
16:00-16:20	Working Efficiency of Machinery in Cotton Residues Collection <i>Panagiotis NTOGKOULIS, Dionysis BOCHTIS, Polina GIANNAKOU, Spyros FOUNTAS, Theofanis GEMTOS (GREECE & DENMARK)</i>	Principal Component Analysis Applied to Agricultural Equipments <i>Constantin TÂRCOLEA, Adrian Stere PARIS, Paula VOICU (ROMANIA)</i>
16:20-16:40	Basic Study of Leaf Cutting Mechanisms for Happy Trees <i>Sheng-Feng HUANG, Chung-Kee YEh (TAIWAN, REPUBLIC OF CHINA)</i>	Development of Computer Software for Determination of Optimum Tractor Power and Machinery Sizes <i>Murad ÇANAKCI, İker UNAL, Mehmet TOPAKCI (TURKEY)</i>
16:40-17:00	Development of a Chopper Unit for Chopping of Sunflower Stalk During Harvesting by Combine Harvester <i>Ibrahim S. DALMIS, Birol KAYIŞOĞLU, Yilmaz BAYHAN, Poyraz ULGER, Fulya TORUK, Figen DURGUT (TURKEY)</i>	Increase of Spur Gears Power Transmission Capacity by Slip Torque Criterion in off Road Machines <i>Behnam REZAEI, Hossein NAVID, Hamid R. GHASSEM ZADEH, Samaneh LVASANI (IRAN)</i>
17:00-17:20	Field Performance of a Single Chassis Integrated Machine System in Planting Oil Palm Seedlings <i>Siamak MOSLEHI ROODI, Azmi YAHYA and Samsuzana ABD AZIZ (MALAYSIA)</i>	Investigative Studies on the Effects of Tyre Inflation Pressure on the Motion Resistance of Pneumatic Bicycle Wheels on Hard and Deformable Surfaces <i>Fatai B. AKANDE, Desa AHMAD, Othman JAMAREI, Samsuddin SULAIMAN, Adepoju B. FASHINA, Hossein SHAMSABADI (MALAYSIA & NIGERIA)</i>
17:20-18:30	POSTER SESSION	

19:00	GALA DINNER	
Friday, September 23, 2011		
	ORAL SESSION (A6) Chairs: Ahmet ÇOLAK, Azmi Dato' YAHYA	ORAL SESSION (B6) Chairs: Martin LIBRA, Habib KOCABIYIK
8:50-9:10	PM10, PM2.5 and PM1 Concentrations in Cotton Ginners <i>Selçuk ARSLAN, Ali AYBEK (TURKEY)</i>	Investigating Combined Microwave-assisted Convection Drying of Lemon Slices <i>Morteza SADEGHI, Omid MIRZABEIGI KESBI (IRAN)</i>
9:10-9:30	Whole-body Vibrations, Evaluation of Emissions and Exposure Levels Arising from a Medium HP Farm Tractor <i>Mohammad Hossein RAOUFAT, Shadab HASSANIAN, Vahid DADI (IRAN)</i>	Drying of Osmotically Dehydrated Biological Materials <i>Stefan J. KOWALSKI, Dominik MIERZWA (POLAND)</i>
9:30-9:50	Comparison of Operators' Physical Responses Working with Two Different Machinery Combination during Hoeing Operation <i>M. Barış EMİNOĞLU, Okray OREL, Ramazan ÖZTÜRK, Ali İhsan ACAR (TURKEY)</i>	Effect of Tray Loading Density on the Drying Characteristics of Okra <i>Emmanuel AJAV, Olugbenga FAKAYODE (NIGERIA)</i>
9:50-10:10	Work Load Examinations at the Log Wood Production <i>Alexander HÖLDRICH (GERMANY)</i>	The Best Method for Rough Rice Drying Based on Operational Energy and Head Rice Yield Quality <i>Seyed Mehdi NASSIRI, Seyed Mohammad ETESAMI (IRAN)</i>
10:10-10:30	Trajectory Characteristics of Falling Seed Released from Vacuum Type Seeding Unit and Its Interpretation in View of Seed Spacing Accuracy <i>İsmet ÖNAL, Adnan DEĞİRMENCİOĞLU, Arzu YAZGI (TURKEY)</i>	Drying of Sliced Vegetables Pretreated with Sugar Solutions <i>Sachie FUJII, Noriko YOSHIMOTO, Turkan AKTAS, Shuichi YAMAMOTO (JAPAN & TURKEY)</i>
10:30-11:00	COFFEE BREAK	
	ORAL SESSION (A7) Chairs: Ali İhsan ACAR, Chung- Kee YEH	ORAL SESSION (B7) (CIGR SESSION) Chairs: Zoltan SIBALSKY, Recep KÜLCÜ
11:00-11:20	An Advanced Green Citrus Detection Algorithm Using Color Images and Neural Networks <i>Ferhat KURTULMUŞ, Won Suk LEE, Ali VARDAR (USA & TURKEY)</i>	Characterisation of Biochar and Biooil Produced from Different Feedstocks <i>Kasiviswanathan MUTHUKUMARAPPAN, Arulprakash SIVASASTRI, Chinnadurai KARUNANITHY (USA)</i>
11:20-11:40	A Three-Dimensional Imaging Approach for Plant Feature Measurement Using Stereo Vision <i>Ta-Te LIN, Tsung-Cheng LAI, Chang-Chih LIU, Yu-Che CHENG (TAIWAN)</i>	Biogas Production From Agricultural Wastes In Laboratory Scale Biogas Plant <i>Berk KUCUKKARA, Osman YALDIZ, Salih SOZER, Can ERTEKIN (TURKEY)</i>

11:40-12:00	A Machine Vision System for the Real-Time Harvesting of Ripe Tomato <i>Rahman FARROKHI TEIMOURLOU, Arman AREFI, Asad MODARRES MOTLAGH (IRAN)</i>	Prediction of Heating Value of Vegetable Oil-Based Ethyl Esters Biodiesel Using Artificial Neural Network <i>Bahman NAJAFI, Mahmoud ABBASI FAKHR, Shahram JAMALI (IRAN)</i>
12:00-12:20	An Images Analysis Technique for Recognition of Brown Leaf Spot Disease in Cassava <i>Wanrat ABDULLAKASIM, Kittipong POWBUNTHORN, Jintana UNARTNGAM, Tomohiro TAKIGAWA (TAILAND & JAPAN)</i>	Vibration Effects on Spark Ignition Engine Fuelled with Methanol and Ethanol Gasoline Blends <i>Ioannis GRAVALOS, Dimitrios MOSHOU, Theodoros GIALAMAS, Dimitrios KATERIS, Panagiotis XYRADAKIS, Zisis TSIROPOULOS (GREECE)</i>
12:20:12:40	Automatic Detection of Greenhouse Plants Pests by Image Analysis <i>Razieh POURDARBANI, Behnam REZAEI (IRAN)</i>	An Optimal Harvesting and Dewatering System Mechanism for Microalgae <i>Patricio VALDIVIA-LEFORT (USA)</i>
12:40:14:00	LUNCH BREAK	
	ORAL SESSION (A8) Chairs: Stefan J. KOWALSKI, Can ERTEKIN	
14:00-14:20	Estimation of Greenhouse Heating Requirements Using Artificial Neural Networks <i>Bekir YELMEN, Serdar ÖZTEKİN (TURKEY)</i>	
14:20-14:40	Design and Construction of a Sun Tracker System with Analog-Digital Combination Control Method and Feasibility of its Using in Solar Crop Dryers <i>Akbar JODEYRI GALICHE, Asghar MAHMOUDI, Hosein BEHFAR (IRAN)</i>	
14:40:15:00	Biogas Production Potential of Rose Oil Processing Wastes and Quail Manure in Turkiye: Assessment by Hohenheim Batch Test <i>Emrah ONURSAL, Hans OECHSNER, Kamil EKİNCİ (TURKEY & GERMANY)</i>	
15:00-15:20	Algorithmic Efficiency Analysis of Harvest and Transport of Biomass <i>Valentin HEIZINGER, Heinz BERNHARDT (GERMANY)</i>	
15:20-15:40	COFFEE BREAK	
15:40-16:30	Closing Ceremony	
20:00-24:00	Dinner (Bosphorus tour)	
Saturday, September 23, 2011	POST CONGRESS TOUR	

POSTER SESSION

Wednesday, September 21, 2011; **17:20-18:30**

PP-001: Modeling of the Spray Liquid Distribution of Rotary Atomizers

Georgi Kostadinov, Elena Dimitrova, Milena Moteva (BULGARIA)

PP-002: Towards Mandatory Inspections of Sprayers in Europe: Italian Situation and Initiatives

Marcello BIOCCA, Pietro GALLO (ITALY)

PP-003: Investigation of the Effect of Planting Pattern on Weed Control and Wheat Yield in No-till Planting Method

Seyed Reza ASHRAFI ZADEH, Mohammad FARKHOJASTEH (IRAN)

PP-004: Failure Analysis of Transmission Gears in Sulfur Dusting Machine

Deniz YILMAZ, Emre HAMAMCI, Dorukhan SALIK, Yasin AHISKALI (TURKEY)

PP-005: Acoustic Communication Among Insects and Its Use In Agriculture

Adil Koray YILDIZ, Sefa TARHAN, Mehmet Metin ÖZGÜVEN (TURKEY)

PP-006: Evaluation of Factors Affecting Spray Droplet Size In Order to Stabilize Volume Median Diameter

Leila PEYMAN, Shamsollah ABDOLHAPOR, Behzad RANABONAB, Mohammad MOGHADDAM, Asghar MAHMOUDI, Sanaz JAROULMASJED, Maryam ABBASGHAZVINI (IRAN)

PP-007: Simulation Studies of Material Selection Effect on the Angular Acceleration and Rotative Speed of the Swirl Element of an Agro-Forestry Swirl Nozzle

Adewunmi TAIWO, Kayode OJE (NIGERIA)

PP-008: Development and Evaluation of a Cyclone Separator Unit for Gathering the Alfalfa Shattered Leaves During Baling

Amin ALLAH MASOUMI, Jamileh SHOJAEI ARANI (IRAN)

PP-009: Fruit Removal Rate in Vibratory Harvesting of Almond (*Prunus dulcis L. cv. 7Shahrood*)

Mohammad LOGHAVI, Farzaneh KHORSANDI, Saman SOURI (IRAN)

PP-010: Determination of Performance of Cotton Harvest Machine at Different Cotton Production Techniques

Ahmet KILIÇKAN, Necmiye ÜÇER, İbrahim YALÇIN, Bülent COŞKUN (TURKEY)

PP-011: Design and Selection of Power Transmission System on Darvana Tractor for Using of Cutter-bar Mover (Wheat and Alfalfa Harvesting)

Mosarreza HOKMABADI, Alimohammad BORGHAEI, Morteza ALMASI, Hasan SHAHRAEENI (IRAN)

PP-012: Determination of Some Parameters Related to Mechanical Harvest of Chestnut

Türker SARAÇOĞLU, Cengiz ÖZARSLAN (TURKEY)

PP-013: Evaluation of Capacitive and Photo Sensors in Depth Control of Onion Harvester

Jafar MASSAH, Ahmad LOTFI, Akbar ARABHOSSEINI (IRAN)

PP-014: Minimizing Combine Harvester Header Loss by Introducing Effect Order of Operating Factors

Sanaz JAROLMASJED, Shamsollah ABDOLLAHPOUR, Tarahom MESRI, Maryam ABBASGHAZVINI, Leila PEYMAN (IRAN)

PP-015: Fuzzy Multiple Criteria Decision Making Method for Selecting Desired Combine Header Height Control System by Choquet Integral

Samira ZAREEI, Shamsollah ABDOLLAHPOUR (IRAN)

PP-016: Performance Evaluation of Axial-Flow and Tangential Flow Threshing Units For Rice

Abdullah SESSİZ, Resat ESGİCİ, Emin GÜZEL, M. Tunç ÖZCAN (TURKEY)

PP-017: Methodical Design of a Soybean Dehuller

Rasool KHODABAKHSHIAN, Bagher EMADI (IRAN)

PP-018: Effects of cylinder rotary speed, clearance between combine's cylinder and concave and stem height on wheat losses

Hossin SAHRAIANJAHROMI, Naser ALAVINAEEENI, Mohammad SHAKER, Hassan ALATI (IRAN)

PP-019: The Reasons of High Grain Loss in Combine Harvester and Solution Offers

Mehmet Firat BARAN, Poyraz ÜLGER (TURKEY)

PP-020: Experimental Study of Performance of Stripper Header Equipped on John Deere 955 Combine Harvesters

Gholamreza CHEGINI, Javad KHAZAEI (IRAN)

PP-021: Determination of Sound Levels of Harvest and Post Harvest Machines

Mehmet Metin ÖZGÜVEN (TURKEY)

PP-022: Select The Appropriate Culture Methods in Mechanized Production of Onion

Behzad RANABONAB, Shamsollah ABDOLHAPOR, Leila PEYMAN (IRAN)

PP-023: Prediction of Draft Requirement of a Curved Shape Subsoiler using ANNs Model on Silty Loam Soil

Ali Asghar KHALIFEH, Yousef ABBASPOUR-GILANDEH, Gholamhosein SHAHGOLI, Ezzatollah ASKARI ASLI-ARDEH (IRAN)

PP-024: Use of Pruning Residues cover crops as a solution to problems of erosion and loss of soil fertility in olive

Rafaela ORDÓÑEZ-FERNÁNDEZ, Rosa M. CARBONELL-BOJOLLO, Miguel A. REPULLO-RUIBÉRRIZ DE TORRES, Antonio RODRÍGUEZ-LIZANA, Pedro GONZÁLEZ-FERNÁNDEZ (SPAIN)

PP-025: Crucifer and Gramineae Covers in Soil Management in The Olive Grove (Rain Simulation Assays)

Miguel Ángel REPULLO, Rafaela M. ORDÓÑEZ, Rosa M. CARBONELL, Pedro GONZÁLEZ (SPAIN)

PP-026: Effect of Tillage and Sowing Systems on Some Properties of a Semiarid Soil from Central Spain

Cristina LÓPEZ-FANDO, M. Cristina ZANCADA, M. Teresa PARDO (SPAIN)

PP-027: Study Regarding the Optimization of Wheel Tires Exploitation for Agricultural Vehicles

Sorin-Stefan BIRIS, Edmond MAICAN, Nicoleta UNGUREANU, Erol MURAD (ROMANIA)

PP-028: Environmental Assessment of Conventional, Hybrid, Electric and Hydrogen Fuel Cell Tractors

Abdollah GOLMOHAMMADI, Samaneh JAVANBAKHT, Hossein MOUSAZADEH (IRAN)

PP-029: Current Aspects of The Logistic of Material and Data in German Agriculture

Heinz BERNHARDT, Sebastian GÖTZ1, Josef HOLZER1, Johann WINKLER1, Dirk ENGELHARDT, Nina ZIMMERMANN (GERMANY)

PP-030: The Reliability and Maintenance of the Braking and Rolling Systems of Transport Vehicles

Constantin TÂRCOLEA, Adrian Stere PARIS, Cristian ANDREESCU (ROMANIA)

PP-031: Upgrading Performance of Row-Crop Planters in a Conservation Agricultural System

Mohammad Hossein RAOUFAT, Vahid DADI, Shadab HASANIAN (IRAN)

PP-032: Raised Bed and Conventional Wheat Planting Methods

Hanif Reza MOTAMED SHARIATI, Mojtaba NASERI, Yeganeh MOTAMED SHARIATI, Mojtaba NIKKHAH-KHEIBARI (IRAN)

PP-033: Effect of Environment on the Combining Ability of Virginia Tobacco Genotypes

Seyyed MOSTAFA SADEGHI, Mardavij SHOEI (IRAN)

PP-034: Evaluation of a Modified Row Crop Planter for In-Furrow Planting Under Deficit Irrigation Conditions

Mohammad Mehdi MAHARLOOEI, Seyed Mehdi NASSIRI, Ramin JAFARI, Alireza SEPASKHAH (IRAN)

PP-035: Design, Construction and Performance of a Picking Leaf Machine With Single Row

Gholamreza CHEGINI, Adel HEIDARI (IRAN)

PP-036: Research on the Effects of Various Tillage Equipments Used in Shredding Sunflower Stalks

İbrahim İÇÖZ (TURKEY)

PP-037: Determination of Corrosion in Cast Iron Impellers of the Centrifuge Pumps Used for Agricultural Irrigation

Elif YÜKSEL, Bülent EKER (TURKEY)

PP-038: Increase Farm Productivity with the Sustainable SKF Agri Hub for Tillage Discs

Maurizio GIOVANNELLI (ITALY)

PP-039: Study of the Working Regime Parameters of the Soil Digging Machines

Barbu GRECU, George ADÎR, Victor ADÎR, Ancuța ADÎR (ROMANIA)

PP-040: Establishing of the Geometrical Performances of the Loading Forage Equipment - LFE

Barbu GRECU, George ADÎR, Victor ADÎR, Ancuța ADÎR (ROMANIA)

PP-041: The Effect of Vertical Planting on Greenhouse Space Efficiency and Seedling Density in Tomato (*Lycopersicon esculentum* Mill.) Production

Mostafa GOHARNEZHAD, Mohamad Hosein ABBASPOUR-FARD, Yahya SELAHVARZI, Reza GAIMADIL, Rajab TONDRO, Seyyed Hosein NEMATI (IRAN)

PP-042: Dynamic Analysis of the Tractor-Oscillatory Subsoiler System Using ADAMS Software

Gholamhossein SHAHGOLI, Maryam BEIRANVAND (IRAN)

PP-043: The Effects of Using Marker on Fuel Consumption and Working Efficiency in Making Ridges

Zeliha BEREKET BARUT, Hasan Ali KARAAGÇAÇ, M. Murat TURGUT, Sait AYKANAT, Reşit GÜLTEKİN (TURKEY)

PP-044: Effects of Tillage Equipments on CO₂ Emission from Soil

Zeliha B. BARUT, M. Murat TURGUT, İsmail Çelik, Davut AKBOLAT (TURKEY)

PP-045: Soil Management Systems and Short Term CO₂ Emissions In Different Soils In Southern Spain

Rosa M. CARBONELL-BOJOLLO, Rafaela ORDÓÑEZ-FERNÁNDEZ, Miguel A. REPULLO-RUIBÉRRIZ DE TORRES, Oscar VERÓZ-GONZÁLEZ, Emilo J. GONZÁLEZ-SÁNCHEZ (SPAIN)

PP-046: Development of Soil Bin Infrastructural Facility for Sustainable Agricultural Mechanisation in Nigeria

Seth I. MANUWA, Olugboyega C. ADEMOSUN, Leo A.S. AGBETOYE, Adebola ADESINA (NIGERIA)

PP-047: Soil Compaction in Sugarcane Fields under Mechanized and Labor Farming

Prathuang USABORISUT (TAILAND)

PP-048: A Research on Cost Analysis and Determination of Harvesting Costs for Different Olive Harvesting Methods

Giyasettin ÇİÇEK (TURKEY)

PP-049: Determining the Reliability Function of Farm Tractors

Mohammad POOZESH, Seyed Saeid MOHTASEBI, Hojat AHMADI (IRAN)

PP-050: Structural, Kinematic and Kinetostatic Analysis of the Lifting and Emptying Mechanism of the Small Containers

Victor MOISE, Ene MARIN, Gheorghe VOICU, Magdalena-Laura TOMA (ROMANIA & CANADA)

POSTER SESSION

Thursday, September 22, 2011; 17:20-18:30

PP-057: Effects of Drying Temperatures on the Drying Rate and Quality of African Catfish (Clarias Garieppinus)

Michael Ayodele OMODARA, Adesoji Matthew OLANIYAN, Sunday Samuel AFOLAYAN (NIGERIA)

PP-058: Applying Artificial Neural Network for Shrinkage Prediction of Green Pea in a Microwave Assisted Fluidized Bed Dryer

Leila MOMENZADEH, Ali ZOMORODIAN, Omid MOWLA (IRAN)

PP-059: Hybrid Drying of Red Bell Pepper

Stefan J. KOWALSKI, Dominik MIERZWA (POLAND)

PP-060: Drying of Olive Tree (Olea europaea) Leaves using Different Drying Techniques

Ayça ÖZER SAKALLI, Türkan AKTAŞ (TURKEY)

PP-061: Performance of Artificial Neural Networks for Estimation of Fruit Moisture Content under Drying Process Based on Textural Features of the Images

PP-051: Impact of Crop Residue Management on the Crop Yield, Soil Organic Matter, and Soil Properties in Irrigated Wheat-Corn Rotation

Mohammad Ali BEHAËEN, Sadegh AFZALINIA, Madjid ROOZBEH (IRAN)

PP-052: Energy Use Pattern and Economic Analysis of Wheat and Maize Production in West Turkey

Sakine ÖZPINAR, Ali ÖZPINAR, Ünal ÜRKMEZ (TURKEY)

PP-053: Energy Efficiency in Organic Lentil Production in Lorestan Province of Iran

Esmail MIRZAEI, Mahmoud OMID, Abbas ASAKEREH, Mojtaba SAFAIEENEJAD, Mohammad Jafar DALVAND (IRAN)

PP-054: Energy Balance of Wheat and Maize Crops Production in Haciali Undertaking

H. Ali KARAAGÄÇ, Sait AYKANAT, Bülent ÇAKIR, Ömer EREN, M. Murat TURGUT, Zeliha B. BARUT, H. Hüseyin ÖZTÜRK (TURKEY)

PP-055: Monitoring and Auditing Human Energy Inputs in the Cultivations of Oil Palm and Rice in Malaysia

Darius EL PEBRIAN, Azmi YAHYA, N. M. NAWI, T. C. SIANG, S. M. BOCKARI-GEVAO (MALAYSIA)

PP-056: Power Availability and Requirements for Small-Scale Rice Farm Operations: A Case in Riau Province, Indonesia

Ujang PAMAN (INDONESIA)

Adel BakhshIpour, Abdolabbas JafarI, Seyed Mehdi NASSIRI (IRAN)

PP-062: Detection of Adulteration in Honey and Olive Oil Using Near-Infrared Spectroscopy

M. Burak BÜYÜKCAN, İsmail KAVDIR (TURKEY)

PP-063: A Comparison between Three Methods of Measuring Fig (Ficus Carica cv. Sabz) Moisture Content

Mohammad LOGHAVI, Saman SOURI, Farzaneh KHORSANDI (IRAN)

PP-064: Texture Changes of Vegetable at Elevated Temperatures

Jiří Blahovec (CZECH REPUBLIC)

PP-065: Effects of low Dose Gamma Irradiation at Different Dates After Harvest on the Shelf

*Life and Quality Characteristics of Potatoes
Mehdi REZAEI, Hooshang FARHADI (IRAN)*

PP-066: Particle Size Distribution and Sieving Characteristics of Semolina in the Grinding Passages of a Wheat Mill
Gheorghe VOICU, Elena-Madalina TUDOSIE, Constantin TARCOLEA, Paula VOICU (ROMANIA)

PP-067: Microwave Drying and Its Effect on the Quality Aspects of Egyptian Jew's Mallow (*Corchorous Olitorious*) Leaves
Ehab Abdel Aziz El SAEIDY, Allaa El Sayed El BLTAGY (Egypt)

PP-068: Simulation of Bread Dough Mixing Process With Free Surfaces Using a Direct 3D Numerical Method
George IPATE, Gheorghe VOICU, Gheorghe CONSTANTIN (ROMANIA)

PP-069: Drying of Sugar Solutions Containing Crystalline Structure Materials
Sachie FUJII, Suguru KAWATA, Noriko YOSHIMOTO, Turkan AKTAS, Shuichi YAMAMOTO (JAPAN & TURKEY)

PP-070: Rheological Properties of Potatoes during Long Term Storage under Variable Conditions
Abdollah GOLMOHAMMADI, Amir H. AFKARI-SAYYAH (IRAN)

PP-071: Study of Effective Parameters on Barley Processing by a Steam Roller
Jalil RAZAVI, Mahmood DOROSTKAR (IRAN)

PP-072: The Response of Cassava to Processing by Food Extrusion
Folasayo Titilola FAYOSE (NIGERIA)

PP-073: Acoustical Identification of Walnut Varieties Based on Artificial Neural Networks
Asgar MAHMOUDI, Simin KHALESI, Adel HOSAINPOUR, Aliakbar ALIPOUR (IRAN)

PP-074: Effect of Impactor Shape and Impact Energy on Bruise Characteristics in Different Apple Varieties
Hassan SADRNIYA, Bagher EMADI, MEHDI KHOJASTEHPOUR (IRAN)

PP-075: Determination Forecast Model of Sugar Loss Due to Mechanical Harvesting and Post Harvest Process
Heydar MOHAMMAD-GHASEMNEJAD MALEKI, Morteza ALMASSI, Aminreza JAMSHIDI (IRAN)

PP-076: Determination of Rice Breakage Susceptibility Index by Means of a Centrifugal Impact Tester
Amir H. AFKARI-SAYYAH, Abdollah GOLMOHAMMADI, Mansour RASEKH, Majid DAIEJAVAD (IRAN)

PP-077: Coefficient of Friction of Potato (*Solanum tuberosum* L.) Tubers in Different Surfaces
Yeşim Benal YURTLU, Elçin YEŞİLOĞLU, Kubilay K. VURSAVUŞ, Kamil SAÇILIK (TURKEY)

PP-078: Evaluation of an Electronic Fruit Sorting Device Based on Accuracy and Fruit Injury
Amir H. AFKARI-SAYYAH, Mansour RASEKH, Yousef ABBASPOUR-GILANDEH, Ebrahim BAKHSHIZADEH (IRAN)

PP-079: Physical and Geometrical Properties of Safflower Seeds with Different Moisture Content
Abdollah IMANMEHR (IRAN)

PP-080: Grading the Corn and Cotton Seeds by Using Image Processing and Artificial Neural Network
Kadir SABANCI, Cevat AYDIN (TURKEY)

PP-081: Determination Some Physical and Mechanical Properties of Three Cultivars of Olive Fruits (*Olea europaea*. L) and Providing Appropriate Regression Models
Samaneh LAVASANI, Behnam REZAEI, Abdollah GOLMOHAMMADI and Amir AFKARI (IRAN)

PP-082: Analysing and Sorting of Pistachio Kernels using Image Processing System
Ümran ATAY, Refik POLAT, and Cem BİLİM (TURKEY)

PP-083: Development of Apple Sorting Machine
Hiwa GOLPIRA (IRAN)

PP-084: The Importance of Classification and Standardization of Apple Cultivation
Yusuf DİLAY, Adem ÖZKAN, Cevat AYDIN (TURKEY)

PP-085: Determination of Some Mechanical Properties of two Varieties of Almond (Nonpareil and Azar) under Dynamic Loading
Mansour RASEKH, Amir H. AFKARI-SAYYAH, Vahid BODAGHI (IRAN)

PP-086: Determination of Dielectric Properties of Wheat in Various Moisture Contents with a Parallel-Plate and Cylindrical Coaxial Capacitor
Parviz TOMARAEI, Kamil SAÇILIK (TURKEY)

PP-087: Engineering Properties of Pomegranate Seeds
Razieh RIYAHİ, Shahin RAFİEE, Mohammad Jafar DALVAND, Alireza KEYHANI (IRAN)

PP-088: Estimation of Physico-Mechanic Properties of Some Agricultural Products using Hypertext Preprocessor
Kadir SABANCI, Cevat AYDIN, M. Fahri ÜNLERŞEN (TURKEY)

PP-089: Technical and Economical Comparison of Different Rice Milling Methods in Iran
Mohammad SHAKER, Hedayat Allah RAHIMI, Ali SHIRZADIFAR (IRAN)

PP-090: Assessing Environmental Impact of Wastes from Animal Husbandary Practices in a Tropical Environment
Temitayo Abayomi EWEMOJE, Oluseyi Elizabeth EWEMOJE (NIGERIA)

PP-091: An Assessment a Novel Low Pressure Fogging System
Ramin JAFARI, M. BAGHERI (IRAN)

PP-92: Effects of Film Layer, Color and Particle Length on Alfalfa Bale Silage Quality
Serkan KAVALCIOGLU, Fulya TORUK (TURKEY)

PP-93: Presentation and Performance Evaluation of Stable Type Silage Bale and Wrapping Machine
Cihat YILDIZ, İsmail ÖZTÜRK, Yücel ERKMEN, Sabih Oğuzhan PASİN (TURKEY)

PP-094: Investigation of Rapeseed Biodiesel Pollution Reduction in Diesel Engine by Nanofilters
Farzad AFSHARI, Babak BEHESHTI, Morteza ALMASI, Hamed AFSHARI (IRAN)

PP-095: Study of Anaerobic Digestion Process of Solid Waste: Effects of Temperature and Substrate Composition
Kerroum DERBAL, Mossaab BENCHEIKH-LEHOCINE, David BOLZONELLA, Abdessalam Hassen MENIAI, Paolo PAVAN (ALGERIA & ITALY)

PP-096: Use of IWA ADM1 to Simulate Anaerobic Digestion of Organic Waste in Mesophilic Temperature
Kerroum DERBAL, Mossaab BENCHEIKH-LEHOCINE, David BOLZONELLA, Abdessalam Hassen MENIAI, Paolo PAVAN (ALGERIA & ITALY)

PP-097: Determination of Using Possibilities of Some Oil Esters as a Fuel in a Small Internal Combustion Engine
A.Konuralp ELİÇİN, Mustafa GEZİCİ, Doğan ERDOĞAN (TURKEY)

PP-098: Different Aeration Control Strategy for Composting Process
Recep KÜLCÜ, Osman YALDIZ (TURKEY)

PP-099: The Resource and Usage of Renewable Energy in World and Turkey's Agriculture
Bekir YELMEN, M.Tarık ÇAKIR (TURKEY)

PP-100: Review of Studies Related to Producing Biogas from Animal Waste in Turkey
İlkay ÖZTÜRK, H. Baki ÜNAL, H. İbrahim YILMAZ (TURKEY)

PP-101: Global Warming Potential of Wheat Production in Southwest of Iran
Hamzeh MIRHAJI, Mehdi KHOJASTEHOUPUR, Mohammad Hossein ABBASPOUR-FARD (IRAN)

PP-102: Quantifying CO₂ Emissions as a Function of Energy, Economy and Population Indicators in The EU Countries and Turkey
Can ERTEKİN, Deniz ALTA, Fatih EVRENDİLEK (TURKEY)

PP-103: Effect of Conservation Tillage on Irrigation Scheduling and Rapeseed Yield
A. Arshadi KHAMSE, M. ALMASI, A. Reshad SEDGI and R. Ahmadi ADLI (IRAN)

PP-104: Investigation of Mechanical Plucking Height Effect on Green Leaf Yield and Quality of Made Tea
Seyed Babak SALVATIAN, Koorosh MAJD SALIMI, Seyed Ahmad TAGHISHOKRGOZAR, Behroz ALINAGHIPOOR (IRAN)

PP-105: A Model MATLAB Application for Robotic Harvest in Agriculture
Erhan KAHYA, Selçuk ARIN (TURKEY)

PP-106: Sugar Beet Yield Prediction by Means of Image Processing
Abdolabbas Jafari, Sina Latİfaltojar (IRAN)

PP-107: Assessment of Large Scale Spatial Variability of Infiltration Models Parameters Using Scaling
Alidad KARAMI, Mehdi HOMAEI, Mohammad BYBOORDI, Mohammad MAHMOODIAN SHOOSHTARI (IRAN)

PP-108: Design, Manufacturing and Laboratory Evaluation of a Variable Rate Centrifugal Fertilizer Distributor
Seyed Mehdi NASSIRI, Hasan SAFIYARI (IRAN)

PP-109: Searching for a Way in the Beginning of Precision Agriculture (PA) Projects at Iran's Farm
Behzad SANI (IRAN)

PP-110: Sector of Agricultural Machinery and Its Future in EU
Selçuk ARIN, M. Bülent COŞKUN, Mehmet R. DURGUT, Erdal KILIÇ, İbrahim YALÇIN, Ersen OKUR (TURKEY)