

Poster

Topic 1: Processing and Post Harvest Technology and Logistics

Title	Authors
Effect of De-Awning and Moisture Content on some Frictional Properties of Paddy	Alizadeh M., Minaei S., Hadi Khoshtaghaza M., Tavakkoli T., Firouzi S.
Malaxer machine and its evolution of the enhancing olive oil quality	Amirante P., Clodoveo M.L., Leone A., Tamborrino A.
Effect of Moisture Content, Impact Velocity and Impact Orientation on Physical Damage of Sunflower Seeds	Arabhosseini A., Khazaei J., Jafari S., Massah J.
Comparative analysis of rural women participation in cassava micro processing technology in kwara state, Nigeria.	Ayinde O. E., Adewumi M. O., Fakayode O. S., Oloyede A. O.
An application of NIR Technology to evaluate Potato Storage Time: first results	Caprara C., Martelli R., Pezzi F.
Nutritional Quality Improvement of Leafy Vegetables Under Protected Conditions	Charfeddine M. , Gonnella M., Conversa G., Santamaria P.
Shrinkage Kinetics Evaluation under Controlled Conditions of Coffee Berries during Drying Process	Corrêa P.C., Oliveira G.H.H., Botelho F.M., Campos S.C., Afonso Júnior P.C., Santos E.S.
Bending and Shearing Properties of Alvand Variety of Wheat Stem	Esehaghbeygi A., Hoseinzadeh B., Masoumi A.
Cracking Force and Some Characteristics of Iranian Walnut (<i>Juglans Regia</i> L.)	Esehaghbeygi A., Ghanbarian D., Masoumi A.
Ultrasonic Waves to Detect Intact and Non-intact Potatoes	Esehaghbeygi A., Raghmi N.
Effect of Rollers Peripheral Speed Difference and Paddy Moisture Content on the Performance of Rubber Roll Huller	Firouzi S., Alizadeh M. R.
Optimized Design of a Grape Marc Press with Helicoidal Screw	Formato A., Scaglione G., Carillo M., Federico R.
Technological and Productive Optimation of Grape Cryo-Maceration Plant	Formato A., Gubiani R., Scaglione G.
Physicochemical Properties of Two Cultivars of Cantaloupe Fruit During Various Maturity Stages	Ghanbarian D., Shojaei Z., Youneji S.
The Effect of Particle Size of Alfalfa Grind on Mechanical Properties	Ghorbani Z., Masoumi A. A., Hemmat A.
Determination of Specific Heat and Thermal Conductivity of Saffron (<i>Crocus Sativus</i> L.)	Hassan-Beygi S.R., Kianmehr M.H., Abbasi K.
Fracture resistance of sunflower seed to compressive loading	Jafari S., Khazaei J., Arabhosseini A., Massah J., Khoshtaghaza M.H.
Investigation of the Drying Characteristics of Plantain and Matooke (Cooking Banana)	Kawongolo J. B., Klaiß M. , Patrick, Muranga F. I., Hensel O., Esper A.
Evaluation of some thin layer models for infrared drying of carrot slices	Kocabiyik H., Polat R., Sumer S.K.
Some Quality Changes of Persimmon (<i>Diospyros kaki</i> L.) During Storage	Kocabiyik H., Sakaldas M., Cicek G.
Design, Development and Evaluation of a Pivoted-Plate Sensor for Silage Corn Yield Monitoring	Loghavi M., Maharlouie M. M., Kamkar S.
Application of Near-Infrared Spectroscopy for the Assessment of Maturity Stages of Mazafati Date Fruits	Mireei S.A., Mohtasebi S.S., Masoudi R., Rafiee S., Arabanian A. S., Silaghi F. A.

An Investigation into Shelf-life Stability of Fresh Pomegranate Kernels Stored under Modified Atmosphere Packaging	Niakousari M., Rezaee K., Jafarpour D., Sabetahd S.
Extraction of Antioxidant Components from Olive Solid Waste (OSW) Dried by Different Techniques	Niakousari M., Hoseinpour S., Farboudnia Jahromi M.A.
Kinetics of ascorbic acid degradation in sour orange juice supplemented with citric acid	Niakousari M., Amiri S., Radi M., Ravanfar R.
Aeration Behavior Evaluation in a Horizontal Silo Utilizing CFD Tool	Oliveira G.H.H., Carvalho F.M., Martins M.A., Corrêa P.C.
Physical Properties Evaluation Affected by Parchment Presence of Coffee Grain	Oliveira G.H.H., Corrêa P.C., Rodrigues A.P.L., Campos S.C., Botelho F.M., Baptestini F.M.
Development of an Automatic Orange Sorter based on Machine vision, State of the art	Raoufat M. H., Rasekhi R.
Determination of Selected Rheological Properties of Sugarcane Residue	Razavi J., Faghiri M., Masoumi A.
Brining of different naturally black olives	Romeo F. V., Piscopo A., Poiana M.
Correlation of Milling Quality Parameters to Physical Properties of Rice	Sadeghi M., Hoseinian S. H., Hemmat A.
Effect of Different Drying Methods on Whole Lemon Fruit Colour and Quality Indices	Sadeghi M., Torki Harchegani M.
The Research of Heat Transfer Process during Freezing of Berries	Skrupskis I., Gross U., Aboltins A., Rozenbergs V.
Qualitative evaluation of three post-harvest sorting systems after manual and mechanical harvesting	Spinelli S., Parenti A., Spugnoli P., Valori F., Calamai L., Berti L.
'Quality Building' in Companies which Process Traditional Sicilian Agri-Foods	Strano L., Tomaselli G., Failla A.
Colour and Quality Indices Assessment of Lemon Slices during Different Drying Methods	Torki Harchegani M., Sadeghi M., Beigi M.
Microwave Assisted Hot Air Drying of Papaya (Carica papaya L.) Pretreated in Osmotic Solution	Yousefey A.R., Niakousari M., Khajeie F.

Topic 2: Protected Cultivation, Greenhouse Technology

Title	Authors
Development of an electrical multifunctional autonomous vehicle able to cultivate covered crops and to safe distribute agricultural chemicals inside greenhouses	Balloni S., Caruso L., Conti A., Schillaci G., Longo D., Muscato G.
Field Test of an Electrical Autonomous Versatile Platform to modern greenhouses	Balloni S., Caruso L., Romano E., Schillaci G.
Influence of Materials and Management on Greenhouse Energy Demand: the Role of Decision Support Systems	Bisaglia C., Nucci F., Oberti R., Provolo G., Riva E., Romano E.
Structural improvements in multispans greenhouses for verification the European standard UNE-EN 13031-1	Callejón-Ferre A.J., Carreño-Ortega A., Pérez-Alonso J., Vázquez-Cabrera J., Galera-Sánchez L.
Design and sizing of a new Capital for Multispans Greenhouses	Carreño A., Pérez J., Vázquez J., Callejón-Ferré A., Galera Sánchez L.
Evaluation of ultrasonic sensors as guidance sensors for greenhouse application's robots	Masoudi H., Alimardani R., Omid M., Mohtasebi S. S., Noguchi N., Ishii K., Shooraki S. B.
Identification of Factors Determining the Preventive Action of the Greenhouses Construction Companies in the Southeast of Spain	Pérez J., Carreño A., Callejón A., Vázquez F.J., Sánchez-Hermosilla J., Galera L.

Effects of Yield Promoting Inputs on Greenhouse-grown Tomatoes in Humid Tropics	Salokhe Vilas M., Parvin S., Soni P.
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Topic 3: Systems Engineering and Management, Traceability

Title	Authors
Integrated technology systems for quality and safety in citrus production chain	Falzea P. D., Sciarrone G., Abenavoli L. M.
Rice Production Viability and Input Nexus in the Guinea Savannah Zone of Kwara State, Nigeria	Fakayode S. B
Prediction of Saffron Corm Mass by Geometrical Attributes	Ghanbarian D., Hassan-Beygi S.R., Farahmand M.
Frictional properties of alfalfa grind	Ghorbani Z., Masoumi A. A., Hemmat A.
Classification of Pistachio using Neural Network Method	Hojati M.R., Elahifard E., Talabeygi A.
Estimation Equilibrium Moisture Content in Agriculture Product Using Neural Network Method	Hojati M.R., Elahifard E., Shekofteh M.
Event Mean Concentration and Mass Load of Nutrients from Paddy Field in Southern Korea	Yoon K. S., Jung, J. W., Choi J. W., Choi W. Y., Lee S. H., Lee J. B., Choi H. G.
Determination of Thermal diffusivity of dairy cattle manure using 1D Fourier cylindrical solution	Kianmehr M.H., Amin-Nayyeri M., Hassan-Beygi S.R., Arabhosseini A.
Management Performance and Energy Use in Ass Mechanical Milking and Milk Processing	Failla S. , Arezzo G.
Sustainable Sheep Production in Hungary	Madai H., Jávör A., Nábrádi A., Lapis M.
New technologies and management in the process of plantain transformation	Mboudou Mballa C. L.
Emerging technologies for real-time agricultural decision: field test of a wireless transmitter	Molton A.F., Masia G., Cid R., Duro S., Fuica A.M., Moltoni L.A.
The Application of Multi Attribute Decision Methods (MADM) on Prioritizing Agricultural Research Projects	Mortazavi M., Ghanbari L., Kamalzadah A.
Management Of Plant Parasitic Nematodes For Rural Farmers In Intensive Mixed Vegetable Cropping Systems In Nigeria	Nwanguma E. , Akinfasoye J.
Animal waste management among livestock farmers in ojoo farm settlement, lagos, nigeria: Implication for Extension Programme Development	Ogunlade I., Aderinoye-Abdulwahab S.A.
3D Modelling and Simulation in CFD of a Combustor Chamber for Producer Gas: Biomass Energy for Drying Purposes	Oliveira J., Silva J., Martins M., Zanatta F., Machado N.
The Supply Chain Management of Ginger under Forward Sales Contract: A Case Study in Sri Lanka	Pavithra B.H.K.W. , De Zoysa M.
Bioclimatic zoning for chicken production in the Brazilian territory	Pereira Silva M., da Costa Baêta F., de Fátima Ferreira Tinôco I., Ribeiro A., Zolnier S., Nogueira da Silva J., Fitas da Cruz V.

Survey on Danish conditions for Supply Chain Management Optimization of Rapeseed	Sambra A., Sorensen C. G., Kristensen E. F.
Production management and production processes in fishing sector	Sciarrone G., Abenavoli L. M., Paolillo A.
Influence of bottles size on olive oil shelf life	Spugnoli P., Parenti A., Masella P., Calamai L.
Assessment of Natural Ventilation Systems in Freestall Dairy Barns in Galicia (Spain). Methodology for Diagnosing Problems and Proposing Solutions for Optimization	Torres M. L., Fernández M. E., Mariño R. A.

Topic 4: Harvest and Road network planning in mountainous terrain

Title	Authors
Cadastral arrangements required for changing the land destination in order to develop a residential area in Timis County	Bârliba L. L., Bârliba C., Eleş G., Mazilu M.
Topo-Cadastral operation for changing the land destination, in order to build the rig road of Timisoara, Romania	Bârliba L. L., Eleş G., Bârliba C., Chiscop N.
Engineering role in typical mountain food products improvement	Guidetti R., Dioguardi L., Beghi R., Belli M., Bonalume V.
Date Transportation in Jam Kangan, Iran, a Case Study	Hojati M.R., Elahifard E., Fathi A.
Characterization of the mechanical properties of muskeg site in Pakdasht area	Massah J., Noorolahi S.

Topic 5: Protection, Harvesting, Automation Technology

Title	Authors
Mechanical distribution of predator in biological control in protected crops	Abenavoli L. M., Bonsignore C. P., Sciarrone G., Mammoliti V., Smorto D., Giametta F., Vacante V.
Effect of Harvest Dates on Fruit Quality attributes of Different Citrus Species	Al-Hosni A.S , Al-Busaidi K.T., Al-Farsi K., AL-Azri H.S.
Application of pure bending theory to determining the flexural rigidity of spinach stalk	Arabhosseini A., Mehravar H., Kianmehr M.H., Samimi Akhijahani H.
Modelling microbial pathogens in agricultural catchments	Coffey R., Cummins E., Bhreathnach N., Flaherty V. O., Cormican M.
Multiple-Criteria Decision-Making in Strategy Determination for Application of Low Capacity Grain Harvester in Iran High-Yield Fields	Ebrahimi Nik M.A., Sheykhdavodi M.J., Abbaspour-Fard M.H., Mahdinia A.
Potato Tuber Sensitivity to Mechanical Impact	Esehaghbeygi A., Masoumi A.
Design, Development and Evaluation of a VR Herbicide Application System Using Machine Vision Technology	Loghavi M., Raufat M. H., Shirzadifar A. M.
Evaluations about the optimal Harvesting Time for some Olive Cultivars from Southern Italy	Madeo A., Briccoli Bati C., Alessandrino M., Ciliberti A., Godino G.
Evaluation of three adjuvants in wind tunnel: their effect on drift	Masia G., Venturelli L., Fuica A.M
A New Method for Measuring the Floating Velocity of Particles	Polyak N. I., Csizmazia Z., Szilagyi R.
The distribution of <i>Phytophthora cinnamomi</i> Rands in different macadamia growing agro-ecological areas of Kenya	Mbaka J.N., Wamocho L.S., Turoop L., Waiganjo M.M.
A New Approach in Mechanical Walnuts Harvesting	Sakenian Dehkordi N.

Artificial Target Comparison to detect Spray Droplet Features	Schillaci G., Cerruto E., Balloni S., Conti A., Caruso L.
Use of Foliage Protein Bait Sprays in the Reduction of Bactrocera Invadens Damage on Sweet Oranges	Umeh V. C., Onukwu D., Adeyemi A., Olaniyi M. A., Thomas J.

Topic 6: Information Systems and Precision Farming

Title	Authors
Developing Expert Systems for Prediction of Evaporation by MLP, RBF and ANFIS Models	Abbas Khashei-Siuki , Mahdi Kouchakzadeh, Kaveh Ahmadzadeh
Innovative transplanter with satellite system for superintensive olive plant	Bellomo F., D'Antonio C., D'Antonio P.
Model definition for 3D phenomena describing microclimate through the use of devices for automatic environment's detection	Catalano P., Fucci F., Gerbino S., Giametta F., La Fianza G., Simoni A.
Evaluating the crop coefficient K_c of some forest plants by using satellite images in areas with limited climatic measurements	Catona F., Filianoti L., Porto P.
Development of a Real-Time Capacitance-Based Sensor for Mapping Soil Moisture Variability	Khorsandy A., Hemmat A., Masoumi A.
Development of an On-the-Go Sensor for Mapping Soil Mechanical Resistance	Khorsandy A., Hemmat A., Masoumi A.
Distributed Systems for Wide Area Monitoring and Microzonation	Manes G., Collodi G., Di Palma D., Manes A., Bencini L.
Design Modification of an Automatic Moldboard Profilograph	Massah J., Alimardani R.
A Software Application Package for Monitoring and Controlling Slurry Animal Waste in Storage Tanks at Livestock Farms	Mazzetto F., Sacco P.
Evaluation of Information Management and Precision Farming Solutions Via Multicriteria Approaches	Mazzetto F., Sacco P.
Development and first tests of a mobile ground sensing system for crop monitoring in vineyard	Mazzetto F. , Calcante A., Mena A., Vercesi A.
Optimization the semivariogram mathematical models coefficients . Using genetic algorithm for nitrate spatial distribution	Mohammadi K., Misaghi F., Gashtasebi A.
Multispectral satellite imagery in Etna soils	Quattrone A., Costa G.

Topic 7: Power and Machinery, Tractors, Tillage, Fertilising and Plants

Title	Authors
Impediments to extending agricultural power and technology to small scale farmers in Niger Delta Area, Nigeria	Amadi N. S., Oguzor N.S., Adesope O. M.
Comparison of Urban Solid Waste Compost Leachate and Vermicompost as Foliar Spray and Root Media on Nutritional Performance of <i>Phaseolus vulgaris</i> L.	Astaraei A. R.
Performance and Tillage Quality of a Subsoiler with an Oscillating Bottom Metal Plate	Colorio G., Fanigliulo R., Tomasone R., Cedrola C., Cervellini C., Brannetti G., Pochi D.
Nitrogenous concentration in soil and losses by runoff as a result of the swine wastewater application in soil cultivated with soybeans	Dal Bosco T. C., Sampaio S. C., Smanhotto A.

Comparison of the Operative Performance and Tillage Quality of differently configured Plough	Fanigliulo R., Grilli R., Cervellini C., Brannetti G., Pochi D.
Analysis and Prediction of Gross Horizontal Traction Force at the Soil-Tire Interaction Surface	Gheisari M.H., Loghavi M.
Experimental Analysis of Tractive Performance on Soft Soil	Gheisari M.H., Loghavi M.
Modelling the Soil Cutting Process in Rotary Tillers using Discrete Element Method	Hojati M.R., Elahifard E., Mirshekari Dehakan H.
Study Effect of Tractor Wheel Slip on Soil Stress and Deformation State Using Finite Element Method	Hojati M.R., Elahifard E., Keshavarz Emami R.
Studying Effect of Soil Compaction on Stress Distribution under Traction Devices using Finite Element Method	Hojati M.R., Elahifard E., Keshavarz Emami R.
Stress Analysis of Tractor Tire Interaction with Soft soil Using Non-linear 2D Finite Element Analysis	Nankali N., Hemmat A., Masoumi A.
Correlation between 3D Footprint and Contact Tread Surface of Agricultural Tires	Romano E., Cutini M., Bisaglia C.
Determination of Fuel Consumption Distribution For PTO Activity and Tractor Mobility in Some Machine Operations	Sümer S.K., Kocabıyık H., Say S.M., Çiçek G.

Topic 8: Renewable Energy and Energy Efficiency

Title	Authors
The Efficiency of Biogas Production from Maize Silage and Cellulose Wastes Mixed with Slurry or Distillery Stillage	Adamski M., Dach J., Pilarski K., Kowalik I., Wachowiak P.
Assay of total petroleum hydrocarbons remediation in case of using of barley, 3 Bacillus treatments and also a combination of barley with three Bacillus species treatments	Alikhani S.S., Ebrahimi S.S., Shorafa M., Asgharzade A., Tavassoli A.
Performance of compression type refrigerator using natural working fluid	Amirante R., Tamborrino A., Leone A., Giroto S.
Analysis of the Electrical Energy Requirements for a Cow-buffalo Farm	Blandini G., Manetto G., Mingrino F., Quattrone A.
Acidity Influence over Oil Absorbance from Macaúba fruit (Acrocomia aculeata) pulp utilized for Biodiesel Production	Carvalho F. M., Oliveira G. H H., Corrêa P. C., Carvalho N. M.
The use of grape marc for the production of energy: first assessments using a laboratory plant	Failla S., Restuccia A.
Study of Effective Factors on Rice Import in Iran	Feizabadi Y.
Correlation between Specific Energy Consumption in Milling process and Some Physical and Mechanical Properties of Alfalfa Grind	Ghorbani Z., Masoumi A. A., Hemmat A.
Coco-biofuel Production Based On High-Speed Centrifugation Non-Catalyst and It's Application For Improving Engine Performance of Fisherman Boat Using Direct Injection System	Harsono S.S.

Evaluation Of The Nitrification Of The Tilapia Slugetherhouse Effluent In The Sequential Batch Reactor With Immobilized Biomass	Zenatti D. C., Gomes S. D., Fazolo A., Costanzi R. N., Genteline A. L.
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Topic 9: Fruit and Vegetable Cultivation Systems

Title	Authors
Effects of Foliar Application of Zinc on Yield and Growth Analysis of Three Spinach Cultivars in Bojnourd (Iran) Area	Abazarian R., Azizi Mehdi, Shoor M., Arvin Pooya
The Effect of Landscape in some Soil properties and Wheat production (triticum asativum)	Al-Rashidi Mousul Salih.M.
Yield Difference and Radiation Use Efficiency of Spring Cultivars of the Oilseed Rape Species	Azizi Mehdi, Arvin Pooya
Evaluation of Losses of Imidacloprid from Conventional and Modified Pneumatic Drills for Maize	Biocca M., Conte E., Faraci A., Pochi D.
Soil Conservation Technique of Minimum and No-Tillage for Durum Wheat Cultivation in Eastern Sicily	Blandini G., Emma G., Failla S., Palumbo M., Virzi N.
Application of organic mineral fertilizers on processing tomato crop	Disciglio G., Depellegrino F.
A Prototype for the Soil Sterilizing	Formato A. , Scaglione G. , Carillo M. , Federico R.
Assessing of Salinity Models for Predicting Canola Response to Salinity under Rosette Stage	Jalali V.R., Homae M.
Investigations optimal use of saline soil and waters for sustainable canola production	Jalali V.R., Homae M., Salman Taherizadeh
Production Technique and Some Physical-Chemical Properties Of Green Walnut Jam	Koca I., Hasbay Adil I., Karadeniz B., Yolcu H.
Suitability of Persimmons for Turkish Delight Production	Koca I., Hasbay Adil I., Karadeniz B., Yolcu H.
Mechanized Application of the Microbial Inoculants at Vegetable Plants Sowing	Manea D., Cojocaru I., Marin E.
Development of a New Date Palm Pollinator	Mostaan A., Marashi S., Ahmadizadeh S.
Millet (<i>Pennisetum typhoides</i>) yield and selected soil attributes as influenced by some tree types of the semi-arid tropics of Sudan	Mubarak A.R. Abdalla M.H., Nortcliff S.
Mineral nutrition status of highbush blueberry, <i>Vaccinium corymbosum</i> L., in Latvia: problems and tendencies	Osvalde A., Pormale J., Karlsons A., Nollendorfs V.
Evaluation of the Corn Seeding Characteristics in Argentina Core Maize Region	Roba M., D'Amico J., Romito A., Donato L., González N., Elisei J., Paredes D., Tesouro O.
Influence of Vitreous Fertilizers from Potassium-Magnesium-Phosphate Glass System on Autumn Plants	Sava M., Roman G. V., Sava B. A., Boroica L., Diaconu A., Ursu D., Elisa M.
Innovative Mechanisation for Goblet Vineyards Able to Improve Wine and Landscape Quality	Schillaci G., Balloni S., Bonsignore R., Caruso L.

Topic 10: Emerging Industrial Products, Marketing Service Systems

Title	Authors
Aerodynamic and Morphological Properties of Organo-mineral Fertiliser Particles	Biocca M., Gallo P., Menesatti P.
Logistical Problems of Post-harvest Food Handling and Marketing in Africa: A Case Study on Matooke in Uganda	Byarugaba-Bazirake G.W., Byarugaba W.
Bending and Shearing Characteristics of Canola Stems	Esehaghbeygi A., Hoseinzadeh B.
Evaluation yield and yield components in rapeseed (Brassica Napus) cultivars in eastern north of Iran	Jajarmi V.
Partial Mechanization of Sugarcane Juice Extraction Process	Olaoye J. O.
Linking Smallholders into the Exchange Economy: Market Integration of Banana Producers in Ethiopia	Woldie Getachew A.
Investigating Hysteresis effect and adsorption monolayer moisture for Canola	Zomorodian A., Kavooosi Z.
Evaluating resistance to air flow across a Green Fig bed for selecting an appropriate pressure drop prediction equation	Zomorodian A., Amanlou Y.

Topic 11: Safety and Health in Agro-forestry and Agro-food Systems

Title	Authors
Dust and VOC Risks during Cultural Operations in Citrus Orchards	Blandini G., Cerruto E., Emma G., Manetto G.
A System to Monitor the Main Ambient Parameters in the Vineyard with Wireless Sensors	Carrara M., Catania P., Vallone M.
Guide lines towards an optimization of safety factors in equestrian shows	Checchi A., Casazza S.
The Analysis of Work Accident Dynamics As Planning Tool for Preventive Policies in Agriculture	Dioguardi L., Ariano E.
Analysis of safety in the livestock breedings	Gubiani R., Zoppello G., Vello M., Cividino S.R.S.
The Colour As Design Instrument To Increase The Workers Welfare In The Ready-To Use Fruits Sector	Mastropietro M., Dioguardi L.
Assessing Potential Human Exposure and Health Hazard to Nano-Functionalised Environmental and Agricultural Products and Processes: Nano-EXP	O'Brien N., Cummins E.
Cultivation of Medicinal Herbs in Camonica Valley: Mechanization Improvements in View of the Best Work Safety and Environmental Sustainability	Pessina D., Belli M., Bonalume V.
Vibration Levels at the Body of the Tractor Driver during in-furrow and out-of-furrow Ploughing	Pochi D., Vassalini G., Fanigliulo R.

Analysis of Tractor Related Injuries Among Tractor Operators in Kwara State, Nigeria	Ogunlade I., Abdulkareem M.
Health and Safety Aspects Connected with the Use of a Self Propelled Sprayer in Greenhouses	Schillaci G., Balloni S., Caruso L., Conti A., Rapisarda V.

Topic 12: Land and Water Use

Title	Authors
Erosion–Driven Soil Degradation under Mediterranean Conditions in Al-Jabal al Akhdar Region, Libya	Aburas M., Payton R., Gowing J.
Effects of Soil Conservation Works on the Production and Fertility of Eroded Soil from the Moldavian Plateau, Romania	Ailincai C., Jitareanu G., Bucur D., Ailincai D., Raus L., Topa D., Cara M.
Effect of irrigation method on quality of Corn Flours	Amiri M. J., Amiri S., Radi M., Niakousari M.
Comparative Study of Numerical Modelling of Border Irrigation Advance Based on Various Infiltration Models	Banti M., Zissis Th., Anastasiadou-Partheniou E.
Improvement of Agro-food System Quality and Safety through Sustainable Soil Conservation Models	Bombino G., Sardo V., Tamburino V., Zema D. A., Zimbone S. M.
Sustainable irrigation in protected areas: the case of the Pollino National Park	Capra A.
Urban horticulture and irrigation in Cuba	Capra A., Pérez de Corcho Fuentes J.S.
Water and energy savings in the deficit irrigation technique	Capra A., Consoli S., Pérez de Corcho Fuentes J.S., Scicolone B.
Evaluating the erosion risk in a large Calabrian catchment coupling RUSLE and GIS	Catona F., Cogliandro V., Fosco D., La Spada C., Porto P.
An Actual View of Acid Soils an their Influence on Physical, Chemical and Biological Properties of Soils in Timiș County, the Western Part of Romania	Costescu I. A., Nemeș N., Nemeș I.
Landscape dynamics in an abandoned rural area of the central Apennine mountains (Italy)	Della Chiesa S., Pelorosso R., Leone A., Berger U.
Heritage itineraries and tourism valorisation of the forestry landscape in the Serra san Bruno district (Calabria, Italy)	Di Fazio S., Laudari L., Modica P.
Low-input Agricultural technology for sustainable rural development in Sub- Saharan Africa	Fayeye T. R.
Ecological networks as a key in sustainable landscape planning to solve landscape fragmentation	Fichera C. R. , Laudari L. , Modica G.
Assessing the effects of land use changes on soil erosion: a case study in Central Apennine (Italy)	Gobattoni F., Pelorosso R., Leone A.
Water infiltration under different soil tillage treatment	Kovaricek P., Kroulik M., Hula J., Maresova K., Brant V., Prochazkova B.
Land Reclamation Works Applied in the Amelioration Perimeter in Territorial Agrarian Fond Herneacova-Recaș, Timiș County, Romania	Nemeș I., Costescu I. A., Nemeș N.
Variability of Crop Properties Affected by Fertilization Distribution Pattern	Nouri H., Razavi S.J., Soom M.S.M., Aimrun W., Lee T.S.

A multiple approach to estimate soil erosion and sediment sources in a small Apennines watershed: USLE, photogrammetric analysis and suspended sediment yield	Pavanelli D., Bigi A., Rigotti M.
A Method for the Classification of Rural Areas in Stratified Landscape Sampling	Tassinari P., Carfagna E., Torreggiani D., Benni S., Zagoraïou M.
National Park d' El Kala: Climate, Vegetation and Land Use	Tellah S.
Soil Water Balance at basin scale in Southern Italy	Ventrella D., Di Giacomo E., Giglio L., Lopez R., Fiorentino C., Guastaferrò F., Castrignanò A.

Topic 13: Environment Protection

Title	Authors
Effect of Pseudomonas putida and effervescent tablet involving five Bacillus species independently and combined with plant cultivation to remedy soil hydrocarbon pollutants	Alikhani S.S., Shorafa M., Asgharzade A., Tavassoli A., Ebrahimi S.S.
Improvement of petroleum hydrocarbon-contaminated soils by phytoremediation with barley, vetch and bean	Alikhani S.S., Ebrahimi S.S., Tavassoli A., Shorafa M.
Recent Research Outcomes concerning Agricultural Utilisation of Olive Oil Mill Wastewater	Andiloro S. , Tamburino V., Zema D.A., Zimbone S.M.
Conservative and Conventional Management Practices in Mediterranean Environment	Charfeddine M., Maiorana M., Convertini G., Fornaro F.
Environmental Sustainability of Wine Production	Cini E., Recchia L., Boncinelli P.
Influence of Straw Type on Gaseous Emissions from Composted Sewage Sludge	Dach J., Nizewski P., Pilarski K., Adamski M., Kowalik I.
Macroscopic Modeling Phytoextraction of Cd-Contaminated Soils Using Transpiration Reduction Functions	Davari M., Homae M.
Straw-bale building and sustainability in rural architecture	Di Fazio S., Lamberto L.
Pollution diffused by phosphorus due to swine wastewater application under simulated rain	Dieter J., Sampaio S. C., Tessaro D., Carneiro L. J., Grutzmacher P.
A Comparison of Insulation Characteristics Between a Planted Roof and a Roof Varnished with a high performance Reflective Material	Kotsiris G., Androutsopoulos A., Kotopoulis G.
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Results of Research Programs on Valorisation of Orange Processing Residues	Tamburino V., Zema D.A., Zimbone S.M.
Internet Based Education and Knowledge Environment for Ecological Agricultural Production	Tziortziou A. D., Tzortzios S., Gkoutosidis P. E.
Environmental safety in olives cultivation: the case of Calabria (Italy)	Zimbalatti G., Iannelli F., Barreca P.

Topic 14: Open topics

Title	Authors
Crop and livestock production preferences among urban farmers in Central South Eastern Nigeria	Adesope O.M., Agumagu A.C., Matthews-Njoku E.C., Angba A.O.
Evaluation of the Influence of Carbonatation Lime Distribution on Soil Characteristics	Baraldi G., Bentini M., Campagna G., Caprara C., Martelli R.
Farm Buildings and Working Conditions in Sheep Farms: Actual Situation in Trás-os-Montes, Portugal	Barbosa J.C. , Fitas da Cruz V.
Experimental trials of ratites skinning in order to fix plant and mechanical solutions	Bianchi B., Tamborrino A.
Effects of a commercial arbuscular mycorrhizal Fungi Inoculum on vegetative Growth of three young Olive Cultivars	Briccoli Bati C., Santilli E., Varlaro M.E., Alessandrino M.
Challenges Facing the Agricultural Extension in Producing and Adopting the Genetically Modified Crops in Iran	Dehyouri S., Hosseini S.J. F. , Ahmad S., Dehyouri S.
A model for the Building Sustainable Index assessment of agri-food facilities	Di Fazio S., Barreca F., Cardinali G.
Effect of salinity stress on germination indices in six Rapseed cultivar	Jajarmi V.
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Modelling the Mass and Size Distributions of Sunflower Seeds and Kernels Using Lognormal vs. Normal and Weibull Distributions	Khazaei J., Jafari S., Massah J., Arabhosseini A.
A Two Degree of Freedom Fruit Tree Model (sponsored by the Hungarian Scientific Research Fund)	Láng Z., Csorba L.
Effects of Nitrogen and Phosphorus Fertilizer, Manure and Seeding Rate in Agro Systems During Different Growth Stage on Quantitative and Qualitative Agronomic Characteristics of Cumin Grain (<i>Cuminum cyminum</i>)	Majidian M., Shahpasandzadeh M., Ghalavand A., Dehghani H.
Effects of three types of chemical fertilizers on the soil penetration resistance	Massah J., Noorolahi S.
Assessment of Membrane Processing Plant for Whey Concentration in Ovine Dairy Industry	Murgia L., Murittu G., Piras A., Pazzona A., Caria M.

Assessment of low-fat yogurt characteristics supplemented with modified starch	Radi M., Niakousari M., Amiri S.
Development of a comprehensive crop line recognition algorithm, a new approach	Raoufat M. H., Loghavi M. , Nikian A.
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Screening Pinhão-manso Genotypes for Aluminum Tolerance Using the Solution-paper Method	Sessa Fialho G., Silva Rosado R.D., Souto Dias B.A., Galvêas Laviola B., Martinez Hermínia Emília Pietro, Pereira Silva M.
Essential micro elements and nitrogen level effect on corn seed yield under Ahvaz condition	Tayeb S.N.
The Effect of Plant Growth Promoting Bacteria Containing Fertilizer to the Photosynthetic Activity of Maize Seedlings	Veres S., Lévai L., Marozsán M., Gajdos É.

Topic 15: IUFRO Workshop "Forestry utilization in Mediterranean countries with particularly respect to sloping areas" - Forestry Mechanization and Wood Technology

Title	Authors
The study of ecological changes and seriate structure of Markazi province jungles (case study: Shazand province, Oak jungles)	Aghakhani S., Faramarz M., Aghakhani S.
Consideration defects of the poplar plantation reducing level in Markazi province (case study : Khondab region)	Aghakhani S., Yousefi Y., Bolhasani A.
Evaluation of plantation success with broad leaf species (Case study in Arak city)	Aghakhani S., Yousefi Y., Choghaei M.
The study of freezing effects on conifer tree species using remot sensing techniques and field investigation (A case study of Arak city)	Aghakhani S., Yousefi Y., Jalali M., Zeinab S.
Spatial distribution of fire effects in forest using GIS tools	Dobre M., Elliot W. J., Miller S., Bitelli G.
The Effect of Skidder Traffic and Skid Trail Slope on Soil Disturbance in Logging Forest	Najafi A. Agherkakli B.M.
Impact Long-Term of Skidding Traffic Intensity on Soil Recovery in Mountainous Forest	Najafia A., Ezzatia S., Rabb M. A.
Forest Roads Planning and Building in IR-Iran Forestry	Parsakhoo A., Lotfalian M., Hosseini S.A.
Gluing Assessment Procedures for Outdoor Laminated Wood Window Frames	Pellerano A., Pantaleo A., Luccarelli L.
Possibilities of Terrain Leveler Machine in Forest Fire Road Construction	Šušnjar M., Nevečerel H., Pičman D., Pentek T., Horvat D., Šporčić M.