

# Conference Programme

## HAICTA 2020

**9th International Conference  
on Information and Communication Technologies  
in Agriculture, Food and Environment**

**24-27 September 2020, Thessaloniki, Greece**



**Co-Organized by:**

**Hellenic Association for Information and Communication Technologies  
in Agriculture, Food and Environment (HAICTA)**

**University of Macedonia, Thessaloniki, Greece**

**University of Western Macedonia, Greece**

**With the support of:**

**Research Committee of the Aristotle University of Thessaloniki, Greece**

**Centre For Research & Technology, Hellas**

**Hellenic Agricultural Organization "Dimiter"**

## Thursday 24 September

14:30-15:30	<b>HAICTA 2020 Registration</b>		
15:30-16:00	<b>Opening of the Doctoral Consortium</b>		
<b>Doctoral Consortium</b>			
<b>Session 1.</b>	<b>Chair: George Vlontzos</b>		
1	16:00-16:10	Dimitrios Skordos, Efstratios Michalis and Athanasios Ragkos	Analysis of the External Environment of a Vertical Dried Herbs Business and the Role of E-Commerce Tools
2	16:10-16:20	Leonidas Sotirios Kyrgiakos, Christina Kleisiari, Spyros Niavis, George Vlontzos, Christina Moulogianni and Evangelia Tigka	Evaluating efficiency of cotton cultivation under climate change index
3	16:20-16:30	Christina Kleisiari, Leonidas- Sotirios Kyrgiakos, Spyros Niavis, George Vlontzos, Evangelia Tigka and Christina Moulogianni	Investigation of consumer behavior of meat and dairy products derived from animals fed on locally produced feed
4	16:30-16:40	Ioannis Georgakopoulos, Miltiadis Chalikias, Vassilis Zakopoulos and Evangelia Kossieri	Identifying factors which critically affect students' failure in blended courses
5	16:40-16:50	Efstratios Michalis, Dimitrios Skordos and Athanasios Ragkos	Legume-Livestock System as a Solution for Sustainable Agriculture: A Review
6	16:50-17:00	Kalliopi Avaniidou, Dimitris Kavroudakis, Thomas Alexandridis and Thanasis Kizos	From the field to the landscape: designing a system for assessing the impact of farming systems on biodiversity using landscape metrics
17:00-17:15	<b>Discussion</b>		
17:15-17:30	<b>Coffee Break</b>		
<b>Session 2.</b>	<b>Chair: Thomas Bournaris</b>		
1	17:30-17:40	Anestis Tsitsos, Vangelis Economou, Georgios Arsenos and Alexandros Theodoridis	A review of consumer preferences for lamb and beef products
2	17:40-17:50	Angeliki Argyriadou, Mathieu Monziols, Michail Patsikas and Georgios Arsenos	Use of X-ray Computed Tomography to Estimate Sheep, Goat and Beef Carcass Composition – Preliminary results
3	17:50-18:00	Ioannis Giantsis, Ioannis Georgoulis and Alexandros Theodoridis	The influence of climatic-oceanographic changes in aquaculture. A case review concerning mussel farming from Vistonikos Bay, Greece
4	18:00-18:10	Athanasios Vazakidis and Antonios Adadmopoulos	Agriculture, tourism, energy and economic growth: an empirical analysis
5	18:10-18:20	Nino Adamashvili, Radu State, Cyril Cassagnes, Ruggiero Sardano, Nicola Faccilongo and Francesco Conto	Opportunities for blockchain diffusion in the agri-food supply chain: case study in wine sector
6	18:20-18:30	Radu Rosca, Petru Carlescu, Lucia Carmen Trinca and Ioan Tenu	Development and further refinement of a semi-empirical wheel traction model
18:30-19:00	<b>Discussion</b>		
19:30	<b>Welcome Cocktail (Mediterranean Palace Hotel)</b>		

## Friday 25 September

8:30-9:00		<b>Registration</b>	
9:00-9:30		<b>Official opening</b>	
<b>Session 1: Technological Applications</b>			<b>Chair: Athanasios Ragkos</b>
1	9:30-9:40	Nikos Petrellis	A Tool for Covid-19 Symptom Evaluation Developed on Microsoft Xamarin Platform
2	9:40-9:50	Maria Sakka, Maria Riga, Panagiotis Ioannidis, Georgia Baliota, Rajeswaran Jagadeesan, Manoj Nayak, John Vontas and Christos Athanassiou	Transcriptomic analysis of a susceptible and a resistant strain of the lesser grain borer, <i>Rhyzopertha dominica</i> , and laboratory evaluation of s-methoprene and the synergist piperonyl butoxide
3	9:50-10:00	Boris Schegolev, Himesha Wijekoon and Vojtech Merunka	Cost perspective of a Service Oriented Architecture in vehicle design
4	10:00-10:10	Martin Rod	Coping with Change – Specialization and interoperability of ArchiMate Language
5	10:10-10:20	Paraskevi Agrafioti, Efstathios Kaloudis, Sotiris Bantas, Vasilis Sotiroudas and Christos Athanassiou	Modeling the distribution of phosphine and insect mortality on cylindrical grain silos with Computational Fluid Dynamics: Validation with field trials
6	10:20-10:30	Eleni Vrochidou, Theodore Pachidis, Michail Manios, George Papakostas, Vassilis Kaburlasos, Serafeim Theocharis, Stefanos Koundouras, Katerina Karabatea, Elizabeth Bouloumpasi, Stavros Pavlidis, Spyridon Mamalis and Theodora Merou	Identifying the Technological Needs for Developing a Grapes Harvesting Robot: Operations and Systems
10:30-10:45		<b>Discussion</b>	
10:45-11:15		<b>Coffee break</b>	
<b>Session 2: Precision Agriculture</b>			<b>Chair: Stavriani Koutsou</b>
1	11:15-11:25	Denis Stajanko and Miran Lakota	Application of RFID technology for evaluation the weather condition in soybean sown on different row spacing
2	11:25-11:35	Nikos Petrellis	Testing Pear Disease Diagnosis Assuming Gaussian Distribution of Feature Values
3	11:35-11:45	Ioannis Navrozidis, Anne Haugommard, Dimitrios Kasampalis, Thomas Alexandridis, Fabien Castel, Dimitrios Moshou, Georgios Ovakoglou, Xanthoula Eirini Pantazi, Afroditi Alexandra Tamouridou, Anastasia Lagopodi, Zois Zartaloudis and Spiros Mourelatos	Assessing olive trees health using Vegetation Indices and Mundi Web Services for Sentinel-2 images
4	11:45-11:55	Ioannis Karnaris and Nikolaos Asimopoulos	Overview of Aromatic Plants' Precision Agriculture with the use of UAV
5	11:55-12:05	Nikos Petrellis	Low Power FFT to Support OFDM Telecommunications in IoT Applications
6	12:05-12:15	Tetiana Pavlenko, Galibjon Sharipov, Manuel Pérez-Ruiz, Jorge Martínez-Guanter, Jacob Carballido, Andreas Abecker, Thomas Anken, Francesco Argento, Dimitrios Argyropoulos, Dimitrios Paraforos and Susanne Braun	iFAROS – A multi-source digital farming system for site-specific nitrogen application in winter wheat
12:15-12:30		<b>Discussion</b>	
12:30-12:45		<b>Coffee break</b>	

<b>Session 3: Society</b>			<b>Chair: Ekaterina Ivanova</b>
1	12:45-12:55	Loucas Protopappas, Alexander B. Sideridis and Costas Yialouris	Implementation issues of cross border e-government systems and services
2	12:55-13:05	Veronika Andrea, Paraskevi Karanikola, Stilianos Tampakis, Adroniki Krokou and Tampakis Antonios	The residents' behaviours and attitudes towards municipal solid waste management on Samos island, Greece
3	13:05-13:15	Maria Botsiou and Stavriani Koutsou	The intra-rural Digital Divide: How do farmers use the Internet?
4	13:15-13:25	Himesha Wijekoon, Boris Schegolev and Vojtech Merunka	Knowledge Representation of Software Design Patterns: A Model Transformations Perspective
5	13:25-13:35	Sherine Salmon and Mikaël Akimowicz	Catching the digital train? The impact of digital technologies on rural communities' capitals. The case of southern Manitoba, Canada
6	13:35-13:45	Paraskevi Karanikola, Stilianos Tampakis, Spyros Galatsidas, Veronika Andrea, Chrisostomos Ioannou and Zoe Tampaki	Resident's views and perceptions of urban green infrastructure in the Municipality of Paphos, in Cyprus island
	13:45-14:00	<b>Discussion</b>	
	14:00-15:30	<b>Lunch (Mediterranean Palace Hotel)</b>	

<b>Session 4: Water Resources-Climate Change</b>			<b>Chair: Vagis Samathrakis</b>
1	15:30-15:40	Raffaella Zucaro, Marianna Ferrigno and Romina Lorenzetti	A Decision Support System to finance irrigation investments: the Italian National Database of Investments for Irrigation and Environment (DANIA)
2	15:40-15:50	Aglaia Liopa-Tsakalidi, Vasileios Thomopoulos, Pantelis Barouchas, Achilles D. Boursianis, Sotirios K. Goudos, Georgios Kalamaras, Stathis Karydas, Antonis Gotsis and Konstantinos Maliatsos	A LoRaWAN-based IoT platform for smart irrigation in olive groves
3	15:50-16:00	Christiana Papoutsas, Christos Theocharidis, Maria Prodromou, George Papadavid, Dimitris Sykas, Silas Michailides, Michalakis Christoforou, George Kountios, Anastasis Kounoudes, Marios Milis and Diofantos G. Hadjimitsis	Smart water management for irrigation purposes: The SWSOIP project
4	16:00-16:10	Xanthoula-Eirini Pantazi, Ines Cherif, Afroditi-Alexandra Tamouridou, Dimitrios Moshou, Georgios Ovakoglou, Thomas Alexandridis, Xanthi Tseni, Stella Kalaitzopoulou and Spiros Mourelatos	Comparing machine learning algorithms for surface water mapping using Sentinel-1 data
5	16:10-16:20	Photini Mylona, Michalia Sakellariou, Christos Giannakopoulos, Basil Psiloglou and Gianna Kitsara	Terrace landscapes as green infrastructures for a climate-smart agriculture to mitigate climate change impacts
6	16:20-16:30	Emanuel Lekakis, Stylianos Kotsopoulos, Gregory Mygdakos, Agathoklis Dimitrakos, Ifigeneia-Maria Tsioutsia and Polimachi Simeonidou	Evaluation of a satellite drought indicator approach and its potential for agricultural drought prediction and crop loss assessment. The case of BEACON project.
	16:30-16:45	<b>Discussion</b>	
	16:45-17:15	<b>Coffee break</b>	

<b>Session 5: Environment-Policy</b>			<b>Chair: Nikos Petrelis</b>
1	17:15-17:25	Eleftheria Kyriakidou and Vazakidis Athanasios	Financial crisis and Public reforms: moving from Public Administration to Public Management. Cost allocation and performance information for decision-making process in the public sector. The case of the Greek public sector under the Greek crisis.
2	17:25-17:35	Dimitris Michalakis, Dimitra Gaki and Ioannis Faraslis	Use of technological tools in the development of simplified methodology for assessing the results of biodiversity conservation through the implementation of agri-environmental policies. The “result - base payment schemes” model in Troodos - Cyprus
3	17:35-17:45	Kateryna Kononova and Anton Dek	Bitcoin Carbon Footprint: Mining Pools Based Estimate Methodology
4	17:45-17:55	Ekaterina Ivanova and Dimitrios Myronidis	A spatial interpolation approach for environmental flow assessment in Bulgarian-Greek Rhodope Mountain Range
5	17:55-18:05	Eleni Zafeiriou, Garyfallos Arabatzis and Stavros Tsiantikoudis	Biomass burning and carbon losses in different EU countries; an empirical research
6	18:05-18:15	Thomas Bournaris, Christina Moulogianni, George Vlontzos and Ioannis Georgilas	A preliminary review on the adaptation of crops and ecosystem services to Agricultural Policy and Climate Change
	18:15-18:30	<b>Discussion</b>	
	20:00	<b>Dinner (Zythos Doré)</b>	

## Saturday 26 September

<b>Keynote session</b>		<b>Chair: George Vlontzos</b>
10:00-10:45	<b>Keynote speaker</b> <b>Prof. Maurizio Canavari</b>	<b>Digital transformation and the Quest for More Sustainable Agricultural and Food Systems</b>
10:45-11:15	<b>Coffee break</b>	
<b>Session 6: Agri-food Supply chains</b>		<b>Chair: Alexandros Theodoridis</b>
1	11:15-11:25	Irene Kamenidou, Spyridon Mamalis, Ifigeneia Mylona and Evangelia Zoi Bara
2	11:25-11:35	Christos Dordas, George Arsenos, Dionysis Bochtis, Maria Laskari, George Menexes, Nikolaos Panousis, Ilias Kalfas, George Georgiadis, Ioannis Gatzolis and Evdokia Krystallidou
3	11:35-11:45	Dimitrios Kafetzopoulos, Chrysostomos Stylios and Dimitrios Skalkos
4	11:45-11:55	Maria Spilioti, Spiros Stahtiaris, Antonios Kominakis, Pavlos Karanikolas and Konstantinos Tsiboukas
5	11:55-12:05	Alessandro Scuderi, Luisa Sturiale, Giovanni La Via and Giuseppe Timpanaro
6	12:05-12:15	Ioanna Apostolidou, Foivos Anastasiadis and Anastasios Michailidis
7	12:15-12:25	Thomas Bournaris, Andreas Mattas, Anastasios Michailidis, Dionisio Andujar, Manuela Correia, Valentina De Pascale, Manuela Díaz, Belén Diezma, Alessandro Guadagni, Eugenia Karamouzi, Jeremy Karouta, Anne Krus, Stefania Lombardo, José Rafael Marques da Silva, Panagiotis Panopoulos, Manuel Pérez-Ruiz, Angela Ribeiro, Dimitrios Tsolis, Constantino Valero and Marco Vieri
	12:25-12:40	<b>Discussion</b>
	12:40-13:00	<b>Coffee break</b>
<b>Session 7: Livestock Production</b>		<b>Chair: Konstantinos Parisis</b>
1	13:00-13:10	Ilias Giannenas, I. Skoufos, A. Patsias, V. Tsiouris, E. Tsiokas, E. Gouva, E. Bonos and A. Tzora
2	13:10-13:20	E. Sidiropoulou, I Skoufos, V. Marugan-Hernandez, I. Giannenas, E. Bonos, K Aguiar-Martins, D. Lazari, D.P. Blake and A. Tzora
3	13:20-13:30	Carlos Gómez, Eduardo Fuentes, Dante Pizarro, Miguel Castillo and Carlos León-Velarde
4	13:30-13:40	A. Athanasoulas, I. Nanas, K. Stamperna, D. Tsaroucha, Ilias Giannenas, K. Kalaitisidis, E. Sidiropoulou, K. Grigoriadou, E. Bonos and M. Dimopoulos

5	13:40-13:50	Zoi Skaperda, Paraskevi-Maria Nechalioti, Aristidis S. Veskoukis, Sotiria Makri, Efterpi Bouroutzika and Demetrios Kouretas	Farm animal welfare and meat quality: Interrelation with redox status of different breeds
6	13:50-14:00	Vangelis Economou, Ioannis Ambrosiadis, Alexandros Theodoridis and George Arsenos	A review of the domestically produced sheep and goat meat quality and hygiene.
	14:00-14:15	<b>Discussion</b>	
	14:15-16:00	<b>Lunch (Mediterranean Palace Hotel)</b>	

<b>Session 8: Farm Management-Rural Development</b>			<b>Chair: Alessandro Scuderi</b>
1	16:00-16:10	Georgios Apostolidis	A Multicriteria Satisfaction Analysis approach in the assessment of Sustainable Tourism Development in Mountainous Regions in Greece: The Case of Voras Ski Resort
2	16:10-16:20	Eleni Symeonaki, Konstantinos Arvanitis, Dimitrios Piromalis and Michail Papoutsidakis	IoT based End-to-End Farm Management System: An Approach toward Industry 4.0
3	16:20-16:30	Georgios Apostolidis	An integrated indicator Based Knowledge Evaluation System for Sustainable Tourism Management in Greece: empirical approach of Multiple-criteria decision analysis making for future tourism spatial planning
4	16:30-16:40	Romanos Kalamatianos, Ioannis Karydis, Markos Avlonitis and Panagiotis Gratsanis	Designing an e-Business Agricultural Decision Support Company: The case of Olivenia
5	16:40-16:50	Michalis Skordoulis, Garyfallos Arabatzis, Miltiadis Chalikias, Stamatis Ntanos, Spyros Galatsidas, Dimitris Drosos	Managers' perceptions on environmental sustainability
6	16:50-17:00	Georgios Apostolidis	Sustainable Tourism Management: Views and attitudes of visitors in regional unit of Pella (Greece)
7	17:00-17:10	Anna Gratsani	Promoting ICT cultivation practices in precision agriculture technologies for SMEs: The presentation of "Olive Culture" project
	17:10-17:30	<b>Discussion</b>	
	17:30-17:45	<b>Coffee break</b>	
	17:45-18:30	<b>Conference Conclusions &amp; Closing</b>	
	20:00	<b>Gala Dinner (Mediterranean Palace Hotel)</b>	

## Sunday 27 September

**Thessaloniki City Tour (Options to be announced during the Conference)**

## E-POSTERS

Stefanos Stefanidis and Dimitrios Stathis	<i>Assessing Surface Runoff in Future Climate Conditions in Mountainous Catchments (Case Study: Klinovitikos Torrent, Central Greece)</i>
Stefanos Stefanidis, Chrysoula Chatzichristaki and Panagiotis Stefanidis	<i>Seasonal Air Temperature Variability and Trends in a Mountainous Forest Ecosystem of Central Greece</i>
Eleftheria Fytopoulou, Evangelia Karasmanaki, Spyridon Galatsidas, Veronika Andrea and Georgios Tsantopoulos	<i>Development strategies for exploiting local resources through the views of the local residents</i>
Eleftheria Fytopoulou, Spyridon Galatsidas, Evangelia Karasmanaki, Veronika Andrea and Georgios Tsantopoulos	<i>Developing a typology for the visitors of wineries and proposing recreational activities to improve their experience</i>
Pavel Simek, Jan Jarolimek, Jan Masner, Eva Kanska, Milos Ulman, Karel Charvat, Jiri Kvapil, Petr Uhler, Frantisek Zadrazil, Ota Cerba, Pavel Hajek, Raitis Berzins, Michal Kepka, Stein Runar Bergheim and Sarka Horakova	<i>Innovation Hub for Rural Areas and People</i>
Jan Pavlik, Jiri Vanek, Edita Silerova, Michal Stoces and Vladimir Ocenasek	<i>Support Tools for Agricultural Production Simulation Processing</i>
Vlasis Charalampous, Spyridoula Margariti, Dimitris Salmas, Chrysostomos Stylios, Dimitrios Kafetzopoulos and Dimitrios Skalkos	<i>Design and Develop cloud-based system for meat traceability</i>
Konstantinos Themistokleous, Nektarios Siachos, Evangelos Kiossis, Emmanouil Kalaitzakis, Alexandros Theodoridis, Efstratios Souglis, Vasileia Fotiadou, Georgios Arsenos and Nikolaos Panousis	<i>Evaluation of udder health, nutritional management, and milk and welfare parameters in a Greek dairy farm</i>
Konstantinos Themistokleous, Nikolaos Sakellariou and Evangelos Kiossis	<i>Artificial intelligence in veterinary ultrasonography: Can B-mode image analysis from the mammary gland predict productive stage of dairy cows?</i>
Jaroslav Nouza and Marek Picka	<i>Using the BORM Methods in the Protection of Historical Artifacts against Floods</i>
Evmorfia Bataka and Christos Nakas	<i>A Method Comparison Study Between Open-Source and Industrial Environmental Loggers</i>
Athanasios Podaras	<i>Business Continuity Data Analysis for Key Business Functions in Dairy Farms and Cattle Feed Yard Industries</i>
Nektarios Siachos, Evangelos Kiossis, Emmanouil Kalaitzakis, Panagiota Kazana, Konstantinos Themistokleous, Efstratios Souglis, Georgia Koutouzidou, Vasileia Fotiadou, Georgios Arsenos and Nikolaos Panousis	<i>Assessment of performance, health and welfare indicators of dairy cows in relation to their feeding management in a Greek dairy farm</i>



Konstantinos Themistokleous, Nikolaos Panousis, Georgios Arsenos, Antonios Zdragas, Efstratios Souglis, Nektarios Siachos, Georgia Koutouzidou, Theodoros Kallitsis and Evangelos Kiossis	<i>Investigation of subclinical mastitis and the role of non-aureus staphylococci in a dairy farm with chronically elevated bulk tank milk somatic cell count</i>
V. Tsiouris, E. Sidiropoulou, E. Bonos, I. Giannenas, T. Mantzios, K. Kiskinis, D. Papanastasiou, T. Bartzanas, O. Tsiftoglou and I. Skoufos	<i>Effects of herbal compounds via drinking water on growth performance and health of chickens after coccidial vaccination</i>
V. Tsiouris, S. Savvidou, E. Sidiropoulou, E. Bonos, G. Symeon, I. Giannenas, D. Papanastasiou, T. Bartzanas, O. Tsiftoglou and I. Skoufos	<i>Effects of dietary herbal compounds on growth performance and meat composition of broiler chickens</i>
Angeliki Kavga, Dionysios Bitas, Kyriakos Papastavros, Marios Prapopoulos and George Kotsiris	<i>Development of an integrated IoT-based greenhouse control cablebot system</i>
Kyriakos Giannoulis, Elpiniki Skoufogianni, Dimitrios Bartzialis, Alexandra Solomou, Anastasia Malamoglou and Nicholas Danalatos	<i>Could irrigation and N-fertilization affect saffron yield?</i>
Dimitrios Bartzialis, Kyriakos Giannoulis, Elpiniki Skoufogianni, George Charvalas, Asterios Kritsanos, Leonidas Siokas and Nicholas Danalatos	<i>Nitrogen fertilization effect on biomass yield of six different Sorghum bicolor varieties.</i>
Alexandra Solomou, George Karetzos, Panayiotis Trigas, Nikolaos Proutsos, Evangelia Avramidou, Evangelia Korakaki, Konstantinos Kougioumoutzis, George Pavlidis, Spyridoula Stamouli and Tsagkari Konstantinia	<i>Vascular Plants of Oiti and Parnassos National Parks of Greece, as Important Components of Biodiversity and Touring Experiences</i>
Alexandra Solomou, Nikolaos Proutsos, George Karetzos and Konstantinia Tsagkari	<i>Impact of Stone Terraces and Walls Micro-environment on Biodiversity Conservation: A Case Study in the Mediterranean Island of Kythira-Greece</i>
Athanasios Batzios and Alexandros Theodoridis	<i>The role of ICT in the expansion of Pelagonia sheep</i>
Eleni Wogiatzi, Kyriakos Giannoulis, Andreas Tsachtanis, Christina-Anna Kamvoukou, Eleftheria Demiri and Nikolaos Gougoulas	<i>The effect of organic fertilizers and biostimulants on Oregano (Origanum vulgare) yield and essential oil.</i>
Anestis Tsitsos, Vangelis Economou, Eirini Chouliara, Theodoros Kalitsis, George Arsenos and Ioannis Ambrosiadis	<i>Microbiological and physicochemical parameters of beef and lamb meat produced in slaughterhouses in Northern Greece. Preliminary results.</i>
Ippolitos Gintsioudis, Elpiniki Skoufogianni, Dimitris Bartzialis, Kiriakos Giannoulis and Nikos Danalatos	<i>Diurnal variations in leaf – air temperature and vapor pressure deficit of sunlit and shaded kenaf leaves</i>
T.M. Chouzouris, I. Nanas, K. Stamerna, E. Dovolou, Ilias Giannenas, K. Kalaitisidis, K. Grigoriadou and G.S. Amiridis	<i>Effects of diet soybean meal substitution by flaxseed and lupins on milk production, milk composition in Holstein cows</i>

E. Bonos, Ioannis Skoufos, I. Giannenas, E. Sidiropoulou, K. Grigoriadou, Z. Basdagianni, C. Karaiskou, S. Vasilopoulos, C. Koutsoukis, E. Barka, K. Fotou and A. Tzora	<i>Effects of dietary soybean meal substitution by flaxseed and lupins on milk production, milk fatty acid profile, and health of dairy ewes</i>
I. Giannenas, E. Bonos, Ioannis Skoufos, E. Sidiropoulou, K. Grigoriadou, Z. Basdagianni, C. Karaiskou, S. Vasilopoulos, A. Patsavouras, S. Skaftouros, A. Nelli and A. Tzora	<i>Effects of dietary soybean meal substitution by flaxseed and lupins on kefalograviera cheese chemical composition</i>
Aristotelis C. Tagarakis, Dimitrios Kateris, Christos Arvanitis, Charalampos Myresiotis, Dionysis Bochtis, Nikolaos Tsotsolas, Eleni Koutsouraki and Christos Koidis	<i>IoT-based traceability systems for fresh fruit and vegetable supply chains</i>
Aristotelis C. Tagarakis, Dimitrios Kateris, Damianos Kalaitzidis, Charalampos Myresiotis, Dionysis Bochtis, Nikolaos Tsotsolas, Eleni Koutsouraki and Christos Koidis	<i>The AGROTRACE IoT-based traceability platform concept</i>
Dimitrios Kateris, Nikolaos Tsotsolas, Eleni Koutsouraki, Christos Koidis, Panagiotis Papazisis, Aristotelis C. Tagarakis and Dionysis Bochtis	<i>Use of GS1 standards in fresh fruits and vegetables supply chain</i>
Panagiotis Koulelis, Alexandra Solomou and Vasilias Fassouli	<i>Sustainability constraints in Greece. Focusing on forest management and biodiversity</i>
Michael Steppich, Galibjon Sharipov and Dimitrios Paraforos	<i>A MATLAB toolbox for automatically importing ISO 11783 ISOXML files</i>