

September, 12<sup>th</sup>-16<sup>th</sup> 2016, Varna, Bulgaria International Society of Commodity Science and Technology



# **20th IGWT SYMPOSIUM**

## **COMMODITY SCIENCE IN A CHANGING WORLD**

# **PROGRAM**

September, 12th - 16th 2016

Varna, Bulgaria

Organizers University of Economics-Varna Commodity Science Department International Society of Commodity Science and Technology



UNIVERSITY OF ECONOMICS-VARNA, BULGARIA, COMMODITY SCIENCE DEPARTMENT



September, 12<sup>th</sup>-16<sup>th</sup> 2016, Varna, Bulgaria International Society of Commodity Science and Technology



## **BRIEF SUMMARY**

## <u>Monday, 12<sup>th</sup> September 2016</u> <u>Location: University of Economics-Varna,</u> <u>Aula, University of Economics-Varna</u>

14.00-16.00	Arrival and registration of participants
16.00-16.50	Opening Ceremony
16.50-17.00	Tribute to Professors Jacek Kozioł and Anna Koziałowa
17.00-17.30	Greetings
17.30-18.30	Plenary Lectures
18.30	Welcome Cocktail
21.45	Transfer by bus from University of Economics-Varna to
	hotel Azalia

## Tuesday, 13<sup>th</sup> September 2016 Location: University of Economics-Varna

8.30	Transfer by bus from hotel Azalia to University of
	Economics-Varna
9.00-9.15	Wreath-laying ceremony at the monument of the founder of
	the Scientific Commodity Science in Bulgaria Prof Tsani
	Kalyandzhiev - University of Economics-Varna
9.15-9.30	Group photo of the participants of the 20 <sup>th</sup> IGWT
	Symposium - University of Economics-Varna
9.30-10.30	Session 1 - Hall - 220/221
9.30-10.30	Poster session/Poster discussion 1 - Hall - 446
10.30-11.30	Coffee break
11.30-12.30	Session 2 - Hall - 220/221
11.30-12.30	Poster session/Poster discussion 2 - Hall - 446
12.30	Transfer by bus from University of Economics-Varna to
	hotel Azalia



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AND DESCRIPTION OF THE PARTY OF	20 <sup>th</sup> IGWT SYMPOSIUM COMMODITY SCIENCE IN A CHANGING WORLD September, 12 <sup>th</sup> -16 <sup>th</sup> 2016, Varna, Bulgaria
13.00-14.30	Lunch at hotel Azalia
14.45	Transfer by bus from hotel Azalia to Varna (Roman
	Thermae)
15.00 - 16.30	Visit of Roman Thermae
17.00	Transfer by bus to hotel Azalia
19.30	Bulgarian Traditional Dinner at hotel Azalia

## Wednesday, 14<sup>th</sup> September 2016 Location: University of Economics-Varna

8.30	Transfer by bus from hotel Azalia to University of
	Economics-Varna
9.00-10.30	Session 3 - Hall - 220
9.00-10.30	Poster session/Poster discussion 3 - Hall - 446
10.30-11.30	Coffee break
11.30-12.30	Session 4 - Hall - 220
11.30-12.30	Poster session/Poster discussion 4 - Hall - 446
11.30-12.30	General Assembly of IGWT - Hall 128
12.45	Transfer by bus from University of Economics -Varna to
	hotel Azalia
13.00-14.30	Lunch at hotel Azalia
14.45	Transfer by bus from hotel Azalia to Varna
15.00 -18.15	Cultural tour (Varna Museum of Archaeology)
18.15	Transfer by bus from Varna to hotel Azalia
19.30	Dinner at hotel Azalia



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## <u>Thursday, 15<sup>th</sup> September 2016</u> <u>Location: Excursion (St. Konstantin & Elena-Golden Sands-Balchik)</u>

9.00-13.00	Free time
13.30	Departure by bus from hotel Azalia to Botanic Garden -
	Balchik
17.30	Departure by bus to hotel Azalia
18.30-20.00	Dinner at hotel Azalia
20.00	Departure by bus from hotel Azalia to Aladzha Monastery St.
	Trinity
20.00-21.30	Light show - Aladzha Monastery St. Trinity
21.45	Departure by bus from Aladzha Monastery St. Trinity to
	hotel Azalia

## **Friday, 16<sup>th</sup> September 2016 Location: University of Economics-Varna**

8.30	Transfer by bus from hotel Azalia to University of
	Economics-Varna
9.00-10.00	Plenary Session "Commodity science - new trends,
	perspectives, development" - Hall - 446
10.00-11.00	Coffee break
11.00-12.00	Closing ceremony - Hall - 446
12.30	Transfer by bus from University of Economics-Varna to
	hotel Azalia
13.00-15.00	Lunch at hotel Azalia
15.00	Free time

## <u>Saturday, 17<sup>th</sup> September 2016</u> <u>Departure of participants</u>



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## **DETAILED CONTENT**

<u>Monday, 12<sup>th</sup> September 2016</u> Location: Aula, University of Economics-Varna	
14.00 - 16.00	Arrival and registration of participants
16.00 - 16.50	Opening Ceremony
	Welcoming words
	Prof. Plamen Iliev, PhD – Rector of University of Economics-Varna
	Prof. Dancho Danchev, PhD - Dean of the Faculty of Economics of University of Economics-Varna
	Prof. Andrzej Chochół, PhD - President of IGWT, Poland
	Prof. Gerhard Vogel, PhD - Vice-President of IGWT, Austria
	Mr Ivan Tabacov - Chairman of the Bulgarian Chamber of Commerce and Industry
16.50 - 17.00	Tribute to Professors Jacek Kozioł and Anna Koziałowa
17.00 - 17.30	Greetings
17.30 - 18.30	Plenary Lectures
	<ul> <li>Temenuga Stoykova, University of Economics -Varna, Bulgaria</li> <li>Commodity Science in Bulgaria – Development and Topicality</li> </ul>
	Zenon Foltynowicz, Poznan University of Economics and Business, Poland The Sustainable Commodity and Products for Circular Economy
18.30	Welcome Cocktail, University of Economics - Varna
21.45	Transfer by bus from University of Economics-Varna to hotel Azalia



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Tuesday, 13 <sup>th</sup> September 2016	
I	Location: University of Economics – Varna
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	the Scientific Commodity Science in Bulgaria Prof Tsani
	Kalyandzhiev - University of Economics - Varna
9.15-9.30	Group photo of the participants of the 20 <sup>th</sup> IGWT Symposium
0.00 10.00	- University of Economics-Varna
9.30 - 10.30	Session 1 W W 220
	Hall – 220 Moderators – Assoc. Prof. Daniela Ivanova, PhD
	Prof. Zenon Foltynowicz, PhD
	Secretary – Assist. Prof. Radoslav Radev
	Secretary About For Radobar Rader
	I. "COMMODITY SCIENCE: ACHIEVEMENTS,
	TRENDS AND CHALLENGES"
	Anatolii Mazaraki, Nataliia Prytulska, Ukraine
	Commodity Science in Ukraine: Present and Future
	Colo Doras Ciplia Maria Complianti Cimana
	Carlo Russo, Giulio Mario Cappelletti, Giuseppe Martino Nicoletti, <i>Italy</i>
	Innovative Approaches of Water Scarcity Management in
	the Apulia Region
	lie ripula Region
	Riccardo Beltramo, Paolo Cantore, Licia Gallo, Italy
	Information & Communication Technologies (ICT) for the
	engagement of the Commodity Science in Environmental
	Education: the Scatol8® System
	Svitlana Belinska, Nataliia Kamienieva, Stanislava
	Levytska, Ukraine
	Formation of Competitiveness of Products of Processing
	Fruits and Vegetables Ukrainian Production



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<u>Session 1</u> Hall – 221 Moderators – Prof. Maria Lucchetti, PhD Prof. Eva Waginger, PhD Secretary – Chief Assist. Stilian Stefanov, PhD
<ul> <li>III. "ECONOMIC, COMMERCE AND MARKETING ASPECTS OF COMMODITY SCIENCE" Gabriela Cecilia Stanciulescu, Gál Tünde, Casiana Radut, Romania Research Models, Education and Dissemination of the Best Practices Applied in the Activity of Domestic and International Tour Operators</li> <li>Julia Uzunova, Bulgaria The Global Challengeres and Illigal Goods in New Marketing Era</li> <li>Julian Vasilev, Miglena Stoyanova, Bulgaria Company Product Range Formation Using MS Excel and SPSS</li> <li>Olena Sydorenko, Nadia Bolila, Marina Apach, Ukraine Market Fish Products: Problems and Prospects</li> <li>Rastislav Strhan, Slovakia Perception of Quality and Marketing Consequences</li> <li>Yuliya Syaglova, Russia Systemic Analysis of Marketing Paradigms</li> </ul>



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	Varna, Bulgaria
9.30 - 10.30	Poster session/Poster discussion 1
	Hall – 446 Moderator – Prof. Riccardo Beltrano, PhD Secretary - Assist. Prof. Velichka Marinova
	I. "COMMODITY SCIENCE: ACHIEVEMENTS, TRENDS AND CHALLENGES" Mykola Bednarchuk, Bohdan Semak, Ihor Polovnikov, Nina Domantsevych, Natalia Popovych, Ukraine Commodity Sciences of Shoes: Problems and Decisions
	Stanislaw Popek, Michal Halagarda, Grzegorz Suwala, PolandInfluence of Genetically Modified Raw Materials on Determinants of Product QualityTomasz Lech, Poland Assessing the Microbiological Risk to Historical Parchment Documents
	Vladimir Kiselev, Tatyana Kiseleva, Vladimir Terentyev, Kerimova Ragima, Russia Consumer Demands' Descriptors for Emerging Russian Sparkling Wine Market
	<ul> <li>III. "ECONOMIC, COMMERCE AND MARKETING ASPECTS OF COMMODITY SCIENCE"</li> <li>Angela Carelli, Alessandra Nardone, Patrizia Papetti, Italy</li> <li>Marketing Product Lever in the Luxury Goods Sector</li> </ul>
	<b>Dmitry Fedyunin, Sergey Lochan</b> , <i>Russia</i> Marketing Activities Management of Trading Companies



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<ul> <li>Haekyung Yu, Chaerin Kim, Mei Na Nan, Kyeongshin Yang, Haena Park, South Korea Images of Korean Beauty Perceived by Vietnamese and Chinese Women</li> <li>Ilhyun Bae, Korea An Exploratory Study on Marketing Strategy of Korean Car Companies in Eastern Europe</li> <li>Kim Won Kyum, Fan Qing Ji, Korea, China The Relationship Among SNS Quality Factor, Satisfaction, Flow, and Usage Intention</li> <li>Koji Yoshimoto, Korea The Feature of Strategies for Japanese Corporate Activities in the East Europe Region</li> <li>Kyung-jin Kim, Korea The Effects of Message Type on Consumer Attitudes for Coffee Shops</li> </ul>
Satisfaction, Flow, and Usage Intention <b>Koji Yoshimoto</b> , <i>Korea</i> The Feature of Strategies for Japanese Corporate
<b>Kyung-jin Kim</b> , <i>Korea</i> The Effects of Message Type on Consumer Attitudes for
Mariana Dragusin, Raluca Mariana Grosu, Andreea Simona Saseanu, <i>Romania</i> Is There an Ethnic Market Niche for Immigrant Entrepreneurs, Active in the Bakery Industry? Focus on Turkish Immigrants in Romania
Marko Kores, Matjaž Denac, Slovenia Analysis of the Attractiveness of Investments in Solar Heating Systems in Slovenia
<b>Olga Gorjunjva, Elena Morosova, Svetlana Zolotova</b> , <i>Russia</i> Customers' Preferences in Perfumed Shower Gels



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	<b>Pawel Turek, Jedrzej Knot</b> , <i>Poland</i> The Effect of Color on Perceived Taste of Aqueous Solutions
	<b>Stefano Pastore, Marcello Ruberti, Stefania Massari</b> , <i>Italy</i>
	Hydroponics: New Perspectives for the Global Food Supply
	Svetlana Zolotova, Nikolai Kalmin, Russia
	Reasons for Designing the Layout of a Jewellery Store
	According to the Concept of a Functional and Decorative
	Zoning
	Vladimir Kiselev, Pljushcheva, Vladimir Terentyev,
	Russia
	Modification of Customers' Behavior at Points of Sales
	Using Multisensory Marketing Communications
	Vladimir Kiselev, Tatyana Kiseleva, Vladimir
	<b>Terentyev</b> , <i>Russia</i>
	Consumer Emotional Evaluation of Russian Red Merlot
	Wine Market
	Wacław Adamczyk, Poland
	The Current Problems of Sustainable Production and
	Consumption
10.30 - 11.30	Coffee break DEHA 1940



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11.30 - 12.30	<u>Session 2</u> Hall – 220 Moderators – Prof. Roberto Rana, PhD Prof. Natalia Prytulska, PhD Secretary – Chief Assist. Eng. Vanya Zivkova, PhD
	<ul> <li>VII. "TECHNOLOGY AND INNOVATION: PRODUCTS AND PROCESSES"</li> <li>Annalisa Romani, Manuela Ciani Scarnicci, Arianna Scardigli, Annarita Paiano, Italy Circular Economy as a New Model for the Exploitation of the Agroindustrial Biomass</li> <li>Ewa Biazik, Anna Pudlo, Dorota Chorążyk, Teresa Skiba, Wieslaw Kopeć, Poland Heme Iron Content in Chicken Muscle Homogenates Depending on Imidazole Dipeptide Levels</li> <li>Małgorzata Miśniakiewicz, Poland Food Additives versus Clean Label – Consumers Preferences and Expectations from European Perspective</li> <li>Ornella Malandrino, Daniela Sica, Stefania Supino, Italy</li> <li>Energy Efficiency: A Critical Analysis of the Role of Public Administration in Italy</li> <li>Peter Kuprienko, Natalia Dyuzhilova, Natalia Kuprienko, Ukraine</li> <li>Modern Building Materials Based on the Recycling Technology</li> <li>Roberto Rana, Carlo Ingrao, Italy</li> <li>The Rule of By-Products to Make Profitable Bioenergy</li> </ul>
	from Microalgae: A Comprehensive Review



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<b>Ryeo-Won Lee, Jong-Ho Lee</b> , <i>Korea</i> A Study of Synergy Effects of Innovation on Firm Performance
<ul> <li>Silva Sagradyan, Narine Hovhannisyan, Aram Nazaryan, Armenia</li> <li>The Effect of Medicinal-Technical Raw Materials on the Physico-chemical Characteristics of Wheat Dough and Semi-Finished Products Cooked with Sponge and without Sponge Methods</li> <li>Svitlana Stretovych, Ludmila Andriievska, Tetiana Glushkova, Leonid Koptiukh, Ukraine</li> <li>Modern Additives at Process of Paper Production</li> <li>Vera Amicarelli, Giovanni Lagioia, Teodoro Gallucci, Lorena Carla Giannossa, Italy</li> <li>Status and Trends in Graphene Research</li> </ul>
Session 2         Hall – 221         Moderators – Prof. Gerhard Vogel, PhD         Prof. Renata Salerno-Kochan, PhD         Secretary – PhD Candidate Georgi Dimitrov         II. "PROTECTION AND SATISFACTION OF         CONSUMERS"         Agnieszka Kawecka, Poland         Consumers with Sight Disabilities as a Packaging Industry         Point of Interest



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	VI. "SUPPLY CHAIN MANAGEMENT: PACKAGING AND LOGISTICS OF PRODUCTS" Daeki Kim, Joohyun Kim, Korea Evolution of Logistics Service Product to Maximize Customer Service
	Malgorzata Lisińska-Kuśnierz, Krzysztof Bar, Poland Tools for Integrating the Supply Chain
	<b>Tomasz Lesiow, Ewa Biazik</b> , <i>Poland</i> Attitude of the Poultry Meat Industry in Poland to the Implementation of Active and Intelligent Packaging Systems
11.30 - 12.30	<ul> <li>Poster session/Poster discussion 2</li> <li>Hall – 446</li> <li>Moderator – Assoc. Prof. Taras Karavayev, PhD Secretary – PhD Candidate Dana Stefanova</li> <li>VII. "TECHNOLOGY AND INNOVATION: PRODUCTS AND PROCESSES"</li> <li>Anita Bocho-Janiszewska, Marta Ogorzałek, Tomasz Wasilewski, Poland</li> <li>Utility and Safety Assessment of Handwashing Liquid Detergents Containing Blackberry Seed Extract Obtained by Supercritical Carbon Dioxide Extraction</li> <li>Caterina Tricase, Mariarosaria Lombardi, Italy The Use of Industrial Hemp (Cannabis sativa L.) in the Building Sector: An Overview</li> <li>Denka Zlateva, Dana Stefanova, Bulgaria Enhancing the Nutritional Value of Bread Through Fortification with Zinc and Selenium</li> </ul>



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	Radoslav Radev, Georgi Dimitrov, Sabka Pashova, Ivan Panchev, Bulgaria Legal Regulations about Use of Edible Coatings in Food Technologies
	<b>Ľubica Knošková</b> , <i>Slovakia</i> Opening Product Innovation
	Nataliia Prytulska, Iuliia Motuzka, Serhii Aslanian, Ukraine The Quality of Products for Enteral Nutrition
	Przemysław Szopa, Jacek Czerniak, Andrzej Gajewski, Poland Application of Absorption and Fluorometric Methods to Measuring Air Pollution through Quantitative Analysis of Chlorophyll Content in Evergreen Plants of Thuja Occidentalis Species
	<ul> <li>Rodica Pamfilie, Bogdan Onete, Olaru Marieta, Bumbac Robert, Romania</li> <li>Digitalization – a Must in the International Trade for Economic Growth</li> <li>Tomasz Wasilewski, Artur Seweryn, Poland</li> <li>Effect of the Type of Hebal Extract Obtained under Supercritical CO<sub>2</sub> Condition on the Functionality of Hand</li> </ul>
	Dishwashing Liquids <b>Tomasz Wasilewski, Dominik Czerwonka, Artur Seweryn, Urszula Piotrowska, Jerzy Żuchowski</b> , <i>Poland</i> Application of Sage (Salvia L. Officinalis) Supercritical CO <sub>2</sub> Extract to Manufacture of All Purpose Cleaners
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## Poster session/Poster discussion 2

# II. "PROTECTION AND SATISFACTION OF CONSUMERS"

Romani, M. Ciani Scarnicci, C. Vita, P. Pinelli, F. Maggino, *Italy* 

Nutrition and Quality of Life for the Safety and Human Health

#### Andra Vasilcovschi, Romania

Directions Towards Ensuring the Protection and Satisfaction of Consumers of Innovative IT Products: Case Study Social Online Gaming

Jarosław Świda, Ewa Jaracz, *Poland* Tendencies of Mineral Water Packaging Changes Preferred by the Elderly Consumers in Poland

Lelia Voinea, Dorin Vicențiu Popescu, Mihai Teodor Negrea, *Romania* Edible Insects – A New Challenge for the Diet of European Consumer

Minsang Lee, Korea Case Study of FREITAG Brand

**Piotr Przybek**, *Poland* Valuation Of Quality Changes

Poster session/Poster discussion 2

VI. "SUPPLY CHAIN MANAGEMENT: PACKAGING AND LOGISTICS OF PRODUCTS"

Velichka Marinova, Temenuga Stoykova, Bulgaria Normative Requirements for Packages from Recycled Fiber Materials



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	<b>Vladimir Kiselev, Tatyana Kiseleva, Konstantin Kiselev, Vladimir Terentyev</b> , <i>Russia</i> Consumer Taste Evaluation at Russian Wine Market
12.30	Transfer by bus from University of Economics-Varna to hotel Azalia
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I	<u>Wednesday, 14<sup>th</sup> September 2016</u> Location: University of Economics – Varna	
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9,00 - 10.30	<ul> <li>Session 3 Hall – 220</li> <li>Moderators – Prof. Rodica Pamfilie, PhD Assoc. Prof. Ulian Vassilev, PhD</li> <li>Secretary – Chief Assist. Stilian Stefanov, PhD</li> <li>VIII. "QUALITY, SAFETY AND AUTHENTICITY OF PRODUCTS" Alessandro Bonadonna, Erica Varese, Giovanni Peira, Umberto Rosati, Italy</li> <li>The Safeguarding of Agricultural Food Production in Harsh Environments and the Optional Quality Term "Mountain Product". The Piedmontese Mountain (North- West Italy) Cheese Makers' Opinions</li> </ul>	



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	varna, Bulgaria
	<ul> <li>Alina Tkachenko, Inna Pakhomova, Ukraine</li> <li>Prospects for the Use of Natural Antioxidants in the Production of Pastry</li> <li>Antonella Calabretti, Paolo Bogoni, Massimo Calabrese, Italy</li> <li>Quality and Safety in Commercial Baby Foods</li> </ul>
	<ul> <li>Leonardo Borsacchi, Mario Biggeri, Andrea Ferrannini, Italy</li> <li>Application and Review of an Integrated Check-List to Promote Legal Compliance and Socially Responsible Behaviors among Ethnic Enterprises</li> <li>Ludmila Eliseeva, Ekaterina Grishina, Russia Development of a Methodology for Identifying Juice Products from Pomegranate</li> <li>Małgorzata Lisińska-Kuśnierz, Agnieszka Cholewa- Wójcik, Poland</li> <li>Conditions and Evaluation of Safety Hazards Packed Chemical Substances and Preparations</li> </ul>
	Mario Andrea Franco, Gavino Morittu, Gavina Manca, <i>Italy</i> Application of Multielement Stable Isotope Ratio Analysis for Traceability of Cheese Produced in Sardinia (Italy)
	<b>Romuald I. Zalewski, Eulalia Skawińska</b> , <i>Poland</i> Impact of Economy and Commodity Science on Sustainable Food System
	<b>S.I. Sahradyan, A.V. Ghazaryan, N.G. Hovhannisyan</b> , <i>Armenia</i> Study of Gamma Irradiation Influence on the Quality of



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	Stabilization and Safety of Some Food Product
9.00 - 10.30	<u>Poster session/Poster discussion 3</u> Hall – 446 Moderator – Assoc. Prof. Taras Karavayev, PhD Secretary – PhD Candidate Dana Stefanova
	<ul> <li>VIII. "QUALITY, SAFETY AND AUTHENTICITY OF PRODUCTS"</li> <li>Alica Lacková, Marta Karkalíková, Štefan Žák, Slovakia</li> <li>Food Quality and Safety in the Context of Increasing their Competitiveness</li> <li>Andrzej Chochól, Poland</li> <li>The Issues of Management of Safety of Industrial Commodities – the Case of Cosmetics</li> <li>Artur Wolak, Poland</li> <li>Condition Monitoring of In-Service Lubricants - the Analysis of Color</li> <li>Bohdan Holub, Ukraine</li> <li>New Challenges in Synbiotic Dairy Food</li> <li>Elżbieta Kondratowicz-Pietruszka, Poland</li> <li>A Comparative Analysis of Certain Cold Pressed Nut and Seed Oils</li> <li>Ewa Marcinkowska, Gabriela Zielińska, Poland</li> <li>The Measurement of Leather Shrinkage Temperature with Automatic Recording</li> </ul>



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<ul> <li>Galyna Mykhailova, Valentyna Osiievska, Svitlana Bulenok, Ukraine</li> <li>Thermalphysic Characteristics of Bedding Products are a Source of a Person's Sound Sleep</li> <li>Gavino Balata, Giovanni M. Pes, Alessio Tola, Italy</li> <li>Traditional Products and Longevity in Sardinia. A Preliminary Study for a Certification Strategy</li> <li>Irina Goncharova, Olena Sydorenko, Yuliya Yakobchuk, Ukraine</li> <li>Methods of Analysis Quality and Safety of the Packaged Drinking Water</li> <li>Joanna Michalak, Elżbieta Gujska, Marta Czarnowska, Poland</li> <li>Surface Colour and Acrylamide Content of Market- Purchased Food</li> <li>Joanna Ptasińska-Marcinkiewicz, Mateusz Ogonek, Poland</li> <li>The Effect of Different Sugars on the Alcohol Content</li> <li>Kim, Yong Ju, Korea</li> <li>Product Safety Rules for the Elderly Shoes and Product Analysis in S. Korea and in Other Major Countries</li> <li>Lidia Ostasz, Poland</li> <li>The Influence of Microwave Heating on Oxidative Change in Olive Oil</li> <li>Lvudmila Eliseeva, Peter Gorozhanin, Olea Yurina</li> </ul>
<b>Lyudmila Eliseeva, Peter Gorozhanin, Olga Yurina</b> , <i>Russia</i> The Study of Oxidation of Walnuts Fat during Storage



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<ul> <li>Michał Halagarda, Władysław Kędzior, Ewa Pyrzyńska, Poland</li> <li>The Quality of Traditional and Conventional Sausages from Poland</li> <li>Monika Modzelewska-Kapitula, Renata Pietrzak- Fiećko, Zdzisław Zakęś, Poland</li> <li>The Content of Selected Macroelements in Wild and Farmed Pike Fillets</li> <li>Monika Modzelewska-Kapitula, Ryszard Żywica, Poland</li> <li>Sensorial Quality of Omega-3 Enriched Eggs and Sausages from the Polish Market</li> <li>Renata Salerno-Kochan, Poland</li> <li>The Assessment of the Risks Caused by Heavy Metals Contained in Consumer Products by the Use of Bioindicative Measuring Method</li> <li>Roxana Procopie, Magdalena Bobe, Maria Alexandra Toma, Romania</li> <li>Focusing on the Dynamic Romanian Market of the Food Supplements</li> <li>Ryszard Żywica, Monika Modzelewska-Kapitula, Poland</li> <li>The Influence of Apple Juice Dilution Degree on Its Basic Quality Attributes and Electric Conductivity</li> </ul>	Michał Halagarda, Grzegorz Suwała, Stanisław Popek, <i>Poland</i> The Quality of Snacks Available on the Polish Market on the Example of Salted Potato Chips
<ul> <li>Fiećko, Zdzisław Zakęś, Poland         The Content of Selected Macroelements in Wild and Farmed Pike Fillets     </li> <li>Monika Modzelewska-Kapitula, Ryszard Żywica, Poland         Sensorial Quality of Omega-3 Enriched Eggs and Sausages from the Polish Market     </li> <li>Renata Salerno-Kochan, Poland         The Assessment of the Risks Caused by Heavy Metals Contained in Consumer Products by the Use of Bioindicative Measuring Method     </li> <li>Roxana Procopie, Magdalena Bobe, Maria Alexandra Toma, Romania         Focusing on the Dynamic Romanian Market of the Food Supplements     </li> <li>Ryszard Żywica, Monika Modzelewska-Kapitula, Poland         The Influence of Apple Juice Dilution Degree on Its Basic     </li> </ul>	<b>Pyrzyńska</b> , <i>Poland</i> The Quality of Traditional and Conventional Sausages
Quality Attributes and Electric Conductivity	<ul> <li>Fiećko, Zdzisław Zakęś, Poland The Content of Selected Macroelements in Wild and Farmed Pike Fillets </li> <li>Monika Modzelewska-Kapitula, Ryszard Żywica, Poland Sensorial Quality of Omega-3 Enriched Eggs and Sausages from the Polish Market Renata Salerno-Kochan, Poland The Assessment of the Risks Caused by Heavy Metals Contained in Consumer Products by the Use of Bioindicative Measuring Method Roxana Procopie, Magdalena Bobe, Maria Alexandra Toma, Romania Focusing on the Dynamic Romanian Market of the Food  Supplements Ryszard Żywica, Monika Modzelewska-Kapitula,  Poland The Influence of Apple Juice Dilution Degree on Its Basic</li></ul>



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	<ul> <li>Spognardi S., Bravo I., Papetti P., <i>Italy</i> Characterization of Italian Extra-Virgin Olive Oils and Detection of Adulteration by GC-MS</li> <li>Sabka Pashova, Maya Trichkova - Ablee, <i>Bulgaria</i> A Comporative Study on Quality of Vinegar and Acid Products Available Commercially</li> </ul>
	Vittorio Vaccari, Cristina Cordoni, Immacolata Manco, Antonella Valvassori, Italy Risk Management and Safety System for Health Services Władysław Kędzior, Joana Ptasińska-Marcinkiewicz, Małgorzata Pycek, Poland Quality of Fruit Yoghurts
10.30 - 11.30	Coffee break
11.30 - 12.30	Session 4         Hall – 220         Moderators – Prof. Roberto Merli, PhD         Assoc. Prof. Denka Zlateva, PhD         Secretary – Assist. Prof. Radoslav Radev         IV. "ENVIRONMENTAL ASPECTS OF COMMODITY         SCIENCE"         Bruno Notarnicola, Maria Claudia Lucchetti,         Giuseppe Tassielli, Pietro Alexander Renzulli,         Gabriella Arcese, Rosa Di Capua, Italy         Waste Recovery in Steelmaking Sector: An EU Overview         Daniela Ivanova, Anelia Haradinova, Bulgaria
	Public Environmental Instruments and Their Impact on the Environmental Policy of Bulgarian Companies



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Emiliya Kulinska, Elka Vasileva, Bulgaria The Policies and Measures to Improve Energy Efficiency in Bulgarian Household Sector
Emiliya Kulinska, Bulgaria Energy Efficiency and Energy Poverty in Bulgarian Households
<ul> <li>Eva Waginger, Austria</li> <li>What Remains from Integrated Product Policy?</li> <li>Gregor Radonjič, Slovenia</li> <li>Greenwashing of Products: A Serious Challenge for Commodity Science</li> <li>Małgorzata Koszewska, Poland</li> <li>Sustainable Consumption and Production Models a Challenge for Commodity Science - Comparative Analysis in Visegrad Region</li> <li>Maria Claudia Lucchetti, Bruno Notarnicola, Gabriella Arcese, Giuseppe Tassielli, Pietro Alexander Renzulli, Rosa Di Capua, Italy</li> <li>Environmental Impacts: Damage and Economic Risk Assessment. State of Art and Literature Review</li> <li>Matevž Obrecht, Matjaž Denac, Slovenia</li> <li>Public Opinion on Sustainable Energy Policy Development: Case of Slovenia</li> <li>Miriam Spalatro, Giulio Mario Cappelletti, Giuseppe</li> </ul>
Martino Nicoletti, Carlo Russo, <i>Italy</i> Environmental Impacts of the "Fourth Range Lettuce"



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	Stefano Duglio, Stanislav Ivanov, Francesca Magliano, Maya Ivanova, <i>Italy, Bulgaria</i> Motivations, Costs and Benefits in the Adoption of the European Ecolabel in the Tourist Sector. A Survey on the Italian Accommodation
	<b>Zbigniew Klos</b> , <i>Poland</i> Proposal of Environmental Aspects Assessment of Products
S	Y. "QUALITY MANAGEMENT SYSTEMS, TANDARDIZATION AND CERTIFICATION OF PRODUCTS"
	Alfredo Ernesto Di Noia, Giuseppe Martino Nicoletti,
	Italy "Certifications" and Sustainable Tourism in Italian
	Protected Natural Areas
	Bistra Vassileva, Bulgaria
	Agile Quality Management Systems: Challenges and Implications for Creative Industries
	Kim, Jong Soon, Soo Hwan Kwak, Ungbae Lee, <i>Korea</i> An Exploratory Study on Improving Physical Strength and Fitness Using the Control Chart
	TarasKaravayev,NinaMerezhko,ValentynSviderskyi,UkraineTechnical Regulations of Paints and Coatings According to Association Agreement Between Ukraine and the EU



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	Varna, Bulgaria
11.30 - 12.30	Poster session/Poster discussion 4
	Hall – 446 Moderator – Assoc. Prof. Bistra Vassileva, PhD Secretary – PhD Candidate Georgi Dimitrov
	IV. "ENVIRONMENTAL ASPECTS OF COMMODITY SCIENCE"
	Andrea Rocchi, Olimpia Martucci, Italy Emas and BEMP: new Applications
	<b>Dessislava Kotcheva</b> , <i>Bulgaria</i> Stakeholders' Analysis Aimed at Identification of Municipal Actions for Decreasing Landfill Waste Quantities
	<b>Federica De Leo, Pier Paolo Miglietta</b> , <i>Italy</i> The Water Footprint of Agricultural Products from Woody Crops in Salento and Impact Assessment on Local Water Resources
	Magdalena Wojnarowska, <i>Poland</i> The Role of Environmental Labeling for Sustainable Production and Sustainable Consumption
	Matjaž Denac, Janez Pohleven, Slovenia Environmental Analysis of Constructions of Prefabricated Passive Houses in Slovenia
	Michele Preziosi, Roberto Merli, Maria Claudia Lucchetti, Italy Tourism Towards Sustainability: Challenges and Opportunities for the Accommodation Sector



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Nicola Casolani, Claudio Pattara, Lolita Liberatore, Italy Mapping Water Footprint of Durum Wheat Production in Italy
Paolo Bogoni, Barbara Campisi, Marta Cosmina, Gianluigi Gallenti, Francesco Marangon, Stefania Troiano, <i>Italy</i> Carbon Footprint in Wine Production: a Review
<b>Vanya Zhivkova</b> , <i>Bulgaria</i> Fruit and Vegetable Wastes as a Source for Production of Biofuels
V. "QUALITY MANAGEMENT SYSTEMS, STANDARDIZATION AND CERTIFICATION OF PRODUCTS" Federica Murmura, Laura Bravi, Italy
Exploring Customers' Perceptions about Quality Management Systems: An Empirical Study Federica Murmura, Nicola Casolani, Laura Bravi, Italy
Linking "Student satisfaction" with Quality Function Deployment (QFD) to Manage Higher Education in Italy Jadwiga Adamczyk, Poland
Quality in the Reporting of Sustainable Development of Enterprises Lolita Liberatore, Nicola Casolani, Federica Murmura, <i>Italy</i>
Perception of Extra-Virgin Olive Oil Certifications: A Commodity Market Perspective



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Marcello Ruberti, Italy Problems and Perplexities about EMAS Performance Indicators: A Preliminary Analysis of the Italian Thermoelectric Power Stations Case Study
Marieta Stefanova, Antoaneta Stoyanova, Bulgaria Process-Based Approach in the Quality Management Systems Implementation
Marieta Stefanova, Denka Zlateva, Temenuga Stoykova, Bulgaria Impact of Quality Management Systems on the Minimum Durability of Biscuit Products
Marieta Stefanova, <i>Bulgaria</i> The Compatibility and Differences Between the Requirements Of the Standard for Quality Management ISO 9001:2015 and the Standards ISO 22000:2005, BRC Food V.7 and IFS Food V.6
Marta Karkalíková, Alica Lacková, Slovakia Applicability of Environmental Management in Organizations
<b>Patrizia Pinelli, Leonardo Borsacchi</b> , <i>Italy</i> From Documented Procedure to Documented Information: The New Approach of ISO 9001:2015



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11.30 - 12.30	General Assembly of IGWT Hall 128
12.45	Transfer by bus from University of Economics-Varna to hotel Azalia
13.00 - 14.30	Lunch at hotel Azalia
14.45	Transfer by bus from hotel Azalia to Varna
15.00 - 18.15	Cultural tour (Varna Museum of Archaeology)
18.15	Transfer by bus from Varna to hotel Azalia
19.30	Dinner at hotel Azalia

## Thursday, 15<sup>th</sup> September 2016

Location: Excursion (St. Konstantin & Elena – Golden Sands – Balchik)

9.00 - 13.00	Free time
13.30	Departure by bus from hotel Azalia to Botanic Garden – Balchik
17.30	Departure by bus to hotel Azalia
18.30 - 20.00	Dinner at hotel Azalia
20.00	Departure by bus from hotel Azalia to Aladzha Monastery St. Trinity
20.00 - 21.30	Light show - Aladzha Monastery St. Trinity
21.45	Departure from Aladzha Monastery St. Trinity to hotel Azalia



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## <u>Friday, 16<sup>th</sup> September 2016</u> Location: University of Economics - Varna

8.30	Transfer by bus from hotel Azalia to University of
	Economics-Varna
9.00 - 10.00	Plenary Session
	"Commodity science - new trends, perspectives,
	development"
	Hall – 446
	Moderators – Assoc. Prof. Daniela Ivanova, PhD
	Assoc. Prof. Sabka Pashova, PhD
	Secretary – PhD Candidate Georgi Dimitrov
10.00 - 11.00	Coffee break
11.00 - 12.00	Closing ceremony
	Hall – 446
12.30	Transfer by bus from University of Economics-Varna to
	hotel Azalia
13.00 - 15.00	Lunch at hotel Azalia
15.00	Free time
Saturday, 17 <sup>th</sup> September 2016	
<b>Departure of participants</b>	
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