

# Preliminary program

of the 1<sup>st</sup> International Applied Scientific Conference **Medicinal, Aromatic and Edible Plants (MAEPs) and their by-products: Utilization and valorization for a sustainable and circular economy - MAEP&WASTE 2020**

**Wednesday March 25 2020**

Arrival and accommodation

**Thursday March 26 2020 – park hotel Sankt Peterburg**

08:00-13:00 – registration (lobby at the hotel)

09:00-09:30 – opening of the conference – Welcome address:

RECTOR of UFT – 10 min

BNAEOPC representative – 10 min

Organizers welcome – 10 min

Moderator – Associate Professor PhD Anton Slavov

09:30-10:15 – plenary lecture: **Kemal Husnu Can Baser** – Turkey as a source for medicinal and aromatic plants; *Near East University, Faculty of Pharmacy, Department of Pharmacognosy, Nicosia, N. Cyprus*

10:15-11:00 – plenary lecture: **Fabian Weber** – Valorization of press residues from the juice and wine industry. *Rheinische Friedrich-Wilhelms University of Bonn, Institute of Nutritional and Food Sciences, Molecular Food Technology, 19b Endenicher Str., Bonn 53115, Germany*

11:00-11:30 – coffee break (posters could be placed)

11:30-11:45 – short presentation: Coralie Dupas<sup>1</sup>, Benjamin Métoyer<sup>1</sup>, Halima El Hatmi<sup>2</sup>, Isabelle Adt<sup>1</sup>, Samir A. Mahgoub<sup>3</sup>, Emilie Dumas<sup>1</sup> – What plants could enhance raw milk cheese preservation? <sup>1</sup>Univ Lyon 1, Université Claude Bernard Lyon 1, ISARA Lyon, BioDyMIA - Equipe Mixte d'Accueil n°3733, rue Henri de Boissieu, F-01000 Bourg en Bresse, France; <sup>2</sup>Institut des Régions Arides (IRA), Km 22.5, route du Djorf, 4119 Medenine, Tunisia; <sup>3</sup>Department of Agricultural Microbiology, Faculty of Agriculture, Zagazig University, 44511, Egypt

11:45-12:00 – short presentation: **Biliana Georgieva**<sup>1</sup>, Daniela Karashanova<sup>1</sup>, Radoslav Angelov<sup>1</sup>, Ivelina Vasileva<sup>2</sup>, Totka Dodevska<sup>2</sup>, Anton Slavov<sup>2</sup> – TEM analysis on morphology and phase composition of silver nanoparticles, obtained by a “green” method. <sup>1</sup>Institute of Optical Materials and Technologies “Acad. J. Malinowski”, Bulgarian Academy of Sciences, Acad. G. Bonchev Str., Bl. 109, 1113 Sofia, Bulgaria; <sup>2</sup>Department of Organic Chemistry and Inorganic Chemistry, Technological Faculty, University of Food Technologies, 26 Maritsa Blvd., Plovdiv 4000, Bulgaria

12:00-12:15 – short presentation: **Tzvetelina Zagorcheva**, Krasimir Rusanov, Ivan Atanassov – Genetic and metabolic diversity of Bulgarian lavender cultivars. *AgroBioInstitute, Agricultural Academy, 8 Dragan Tsankov Blvd., Sofia 1164, Bulgaria*

Sponsor's exhibition

12:15-13:30 – lunch

Moderator –Professor DSc Atanas Pavlov

13:30-14:15 – plenary lecture: **Angela M. Fraser** – Prevalence of human noroviruses in U.S. foodservice establishments: The importance of environmental sanitation. *Clemson University, Department of Food, Nutrition and Packaging Sciences, Clemson, SC 29634, 206 Poole Agriculture Center, USA*

14:15-14:30 - short presentation: **Anna Aladjadjiyan** – ENABLING-project created to help bio-based products development (Waste minimization and valorization of MAEPs processing by-products). *National Biomass Association (BGBIOM), 22 Antim Parvi Str., Plovdiv, Bulgaria*

14:30-14:45- short presentation: **Ivan Atanassov**, Krasimir Rusanov, Tzvetelina Zagorcheva, Mila Rusanova, Marina Alexeeva, Rумыana Velcheva – Current experience and research directions in AgroBioInstitute, related to sustainable utilization of bio-resources of medicinal and aromatic plants and valorization of agro-industry wastes and by-products. *Agrobiointitute, Agricultural Academy, 8 Dragan Tsankov Blvd., Sofia, Bulgaria*

14:45-15:00- short presentation: **Krasimir Rusanov<sup>1</sup>**, Ivan Atanassov<sup>1</sup>, Natasha Kovacheva<sup>2</sup>– Essential oil roses – current status of genomics and metabolomics studies with capacity for practical application. <sup>1</sup>*Agrobiointitute, Agricultural Academy, 8 Dragan Tsankov Blvd., Sofia;* <sup>2</sup>*Rosa Select Ltd., Bulgaria*

15:00-15:30 – coffee break (posters could be placed)

15:30-15:45 – short presentation: **Hristo Kalaydzhev<sup>1</sup>**, Radoslav Georgiev<sup>1</sup>, Petya Ivanova<sup>1</sup>, Magdalena Stoyanova<sup>2</sup>, Cristina L. M. Silva<sup>3</sup>, Vesela Chalova<sup>1</sup> – Enhanced solubility of rapeseed meal protein isolates prepared by sequential isoelectric focusing. <sup>1</sup>*Department of Biochemistry and Molecular Biology, University of Food Technologies;* <sup>2</sup>*Department of Analytical Chemistry and Physicochemistry, University of Food Technologies, 26 Maritsa Blvd., 4002 Plovdiv, Bulgaria;* <sup>3</sup>*Universidade Católica Portuguesa, CBQF - Centro de Biotecnologia e Química Fina – Laboratório Associado, Escola Superior de Biotecnologia, Rua Diogo Botelho 1327, 4169-005 Porto, Portugal*

15:45-16:00 – short presentation: **Hulya Dogan<sup>1</sup>**, Tansu Uskutoglu<sup>2</sup>, Hafize Fidan<sup>3</sup>, Belgin Cosge Senkal<sup>2</sup>, Hatice Bas<sup>4</sup>, Albena Stoyanova<sup>5</sup> – Production and trade of medicinal aromatic plants in Turkey. <sup>1</sup>*Department of Plant and Animal Production, Vocational School of Technical Sciences;* <sup>2</sup>*Department of Field crops, Faculty of Agriculture;* <sup>4</sup>*Department of Biology, Faculty of Science and Letters, Yozgat Bozok University, Yozgat, 66100, Turkey;* <sup>3</sup>*Department of Nutrition and Tourism;* <sup>5</sup>*Department of Tobacco, Sugar, Vegetable and Essential oils Technology, 26 Maritza blvd., Plovdiv, Bulgaria*

16:00-16:15 – short presentation: Belgin Cosge Senkal<sup>1</sup>, Tansu Uskutoglu<sup>1</sup>, Hafize Fidan<sup>2</sup>, **Hulya Dogan<sup>4</sup>**, Albena Stoyanova<sup>3</sup> – Essential Oil Composition and Heavy Metal Content of *Salvia aethiopis* L. from Turkey. <sup>1</sup>*Department of Field crops, Faculty of Agriculture, Yozgat Bozok University, 66900, Yozgat, Turkey;* <sup>2</sup>*Department of Nutrition and Tourism, University of Food Technologies, 26 Maritza Blvd., Plovdiv, Bulgaria;* <sup>3</sup>*Department of Tobacco, Sugar, Vegetable and Essential oils Technology, 26 Maritza Blvd., Plovdiv, Bulgaria;* <sup>4</sup>*Department of Plant and Animal Production, Vocational School of Technical Sciences, Yozgat Bozok University, 66200, Yozgat, Turkey*

16:15-16:30 – short presentation: **Milena Dimitrova**, Ivelina Ivanova, Galin Ivanov, Kiril Mihalev – Influence of the polyphenol extract from rose (*Rosa damascena* Mill.) petals on the growth and activity of probiotic bacteria in yogurt. *University of Food Technologies, Technological Faculty, Department of Milk and Dairy Products Technology, Department of Analytical Chemistry, Department of Food Preservation and Refrigeration Technology, 26 Maritza blvd. BG 4000 Plovdiv, Bulgaria*

16:30-18:00 – poster session

19:30 – Diner – at park hotel Sankt Peterburg restaurant

Sponsor's exhibition

08:00-11:00 – registration (lobby at the hotel)

Moderator – Associate Professor DSc Kiril Mihalev

09:00-09:15 – short presentation: Anton Slavov<sup>1</sup>, Hristo Spasov<sup>2</sup>, Petko Denev<sup>3</sup>, Ivelina Vasileva<sup>1</sup>, Rada Dinkova<sup>4</sup>, Ivan Bakardjiiski<sup>2</sup>, Ivaila Bajlekova<sup>2</sup>, Nikoleta Yantcheva<sup>1</sup> – Obtaining of new aromatized wines with added rose-oil industry wastes. <sup>1</sup>Department of Organic and Inorganic Chemistry, <sup>2</sup>Department of Wine and Beer Technology, <sup>4</sup>Department of Food Preservation and Refrigeration Technology, University of Food Technologies, 26 Maritsa Blvd., Plovdiv 4000, Bulgaria; Bulgarian Academy of Sciences, Institute of Organic Chemistry with Center of Phytochemistry, Akad. Georgi Bonchev Str., building 9, Sofia, Bulgaria

09:15-09:30 – short presentation: David Lewis – Advances in minimal processing of high acid and low acid ingredients and products for food, cosmetic and medical applications. Foodstream Pty Ltd., ABN 56 117 205 311, PO Box 767, Mount Ommaney QLD 4074, Australia

09:30-10:00 – plenary lecture: Liudmil Antonov, Daniela Nedeltcheva, Vera Deneva, Kamelia Gechovska, Viktor Markuliev, Ivan Bakardzhiyski, Krasimir Bambalov, Diana Tsohanova, Valentin Bambalov – Big abilities of small instruments: portable NIR and Raman spectroscopy in analysis of wine and natural products. Bulgarian Academy of Sciences, Institute of Organic Chemistry with Center of Phytochemistry, Akad. Georgi Bonchev Str., building 9, Sofia, Bulgaria

10:00-10:15 – short presentation: Stefan Dragoev, Desislav Balev, Desislava Vlahova-Vangelova, Nikolay Kolev, Kamelia Dimova – Improving the meat quality by feed supplementation with distilled rose petals. Department of Meat and Fish Technology, University of Food Technologies, 26 Maritsa Blvd., Plovdiv 4000, Bulgaria

10:15-10:30 – short presentation: Zapryana Denkova<sup>1</sup>, Rositsa Denkova-Kostova<sup>2</sup>, Ivelina Vasileva<sup>3</sup>, Anton Slavov<sup>3</sup> – Antimicrobial activity of plant extracts of rose by-products from the essential oil industry against saprophytic and pathogenic microorganisms. <sup>1</sup>Department of Microbiology, <sup>2</sup>Department of Biochemistry and Molecular Biology, <sup>3</sup>Department of Organic chemistry and Inorganic chemistry, University of Food Technologies, 26 Maritsa Blvd., Plovdiv 4000, Plovdiv, Bulgaria

10:30-10:45 – short presentation: Neno Nenov – Advanced methods for extraction of valuable compounds from plants and their wastes – liquefied gas and superheated water extraction. Innosolv Ltd. – Plovdiv, Bulgaria

10:45-11:30 – coffee break

11:30-11:45 – short presentation: Zhana Petkova, Ginka Antova, Maria Angelova-Romova – Fat-soluble biologically active components and physico-chemical characteristics of lupin seed oil (*Lupinus angustifolius* L. cultivar ‘Boregine’), Department of Chemical Technology, University of Plovdiv ‘Paisii Hilendarski’ 24 Tzar Asen Str., 4000 Plovdiv, Bulgaria

11:45-12:00 – short presentation: Rada Dinkova<sup>1</sup>, Fabian Weber<sup>2</sup>, Vasil Shikov<sup>1</sup>, Alexios Vardakas<sup>1</sup>, Maike Passon<sup>2</sup>, Andreas Schieber<sup>2</sup>, Kiril Mihalev<sup>1</sup> – Polyphenols from plant by-products and their role in fruit processing. <sup>1</sup>Department of Food Preservation and Refrigeration Technology, University of Food Technologies, 26 Maritsa Blvd., Plovdiv 4000, Bulgaria; <sup>2</sup>Department of Nutritional and Food Sciences, Molecular Food Technology, University of Bonn, Germany

12:00-12:15 – short presentation: Selin Erdem<sup>1</sup>, Hüseyin Servi<sup>2</sup>, Cansu Vatansever<sup>3</sup> – Antibacterial activities of *Coriandrum sativum* and *Pimpinella anisum* seed extracts and essential oils. <sup>1</sup>Altınbaş University Faculty of Pharmacy; <sup>2</sup>Altınbaş University Faculty of Pharmacy Department of Pharmaceutical Botany; <sup>3</sup>Altınbaş University Faculty of Pharmacy Department of Pharmaceutical Microbiology, Turkey

12:15-13:30 – lunch

<p>Moderator – Associate Professor PhD Anton Slavov</p> <p>13:30-13:45 – short presentation: <u>Nikoleta Yantcheva</u>, Ivelina Vasileva, Anton Slavov – Obtaining and characterization of water and water-ethanolic extracts from industrial rose wastes. <i>Department of Organic and Inorganic Chemistry, University of Food Technologies, 26 Maritsa Blvd., Plovdiv 4000, Bulgaria</i></p> <p>13:45-14:00 – short presentation: <b>Salih Aksay</b></p> <p>14:15-14:30 – short presentation: <u>Ivelina Vasileva</u>, Rosen Chochkov, Anton Slavov – Possibilities for application of rose oil waste (<i>Rosa damascena</i> Mill.) in muffins. <i>Department of Organic and Inorganic Chemistry, University of Food Technologies, 26 Maritsa Blvd., Plovdiv 4000, Bulgaria</i></p> <p>14:30-14:45 – short presentation: <u>Rosen Chochkov</u><sup>1</sup>, Ivelina Vasileva<sup>1</sup>, Anton Slavov<sup>1</sup>, Dimitar Penkov<sup>2</sup> – Effect of rose waste (<i>Rosa damascena</i> Mill.) in quality characteristic of sweet baked bun. <sup>1</sup><i>University of Food Technology, 26 Maritsa Blvd., Plovdiv 4000, Bulgaria, </i><sup>2</sup><i>Medical University – Plovdiv, Bulgaria</i></p> <p>14:45-15:30 – coffee break and poster session</p> <p>15:30-16:00 – Closing ceremony and poster session awards</p>	
--	--

**Saturday 28.03.2020**

Sightseeing