

## Program

**Time Zone: Eastern European Summer Time**

**Monday, 27.03. 2023.**

	MORNING SESSION I, 27.03 <a href="https://teams.microsoft.com/l/meetup-join/19:meeting_NWE5MzhiYzEtOTE5MS00NjQxLWJmYmQtY2Y1NmFiYWExOTc3@thread.v2/0?context=%7B%22Tid%22:%222672d32a-be75-49eb-88c3-3d3f482a3205%22,%22Oid%22:%220ed1e078-0a1f-4230-8ff6-ff851cf18b72%22%7D">https://teams.microsoft.com/l/meetup-join/19:meeting_NWE5MzhiYzEtOTE5MS00NjQxLWJmYmQtY2Y1NmFiYWExOTc3@thread.v2/0?context=%7B%22Tid%22:%222672d32a-be75-49eb-88c3-3d3f482a3205%22,%22Oid%22:%220ed1e078-0a1f-4230-8ff6-ff851cf18b72%22%7D</a>
9:00	Opening
9:05	Welcome address – the Director of the Hosting Institution IOCCP, Prof. Vanya Kurteva
9:10	<b>Plenary Lecture</b> , Prof. V. Dimitrov Sustainable utilization of bio-resources and waste of medicinal and aromatic plants for innovative bioactive products
	Session <b>Characterization of the genetic and metabolite diversity of MAP for their cultivation and further utilization</b> Chair: Dr. Krasimir Rusanov
9:50	Invited lecture, Dr. Sylvie Baudino-Caissard Secretion and evolution of the perfume in roses - Biochemistry, Molecular and Cell Biology
10:20 – 10:35	Oral presentation, Dr. Anna Zaharieva Metabolic Profile of In Vitro Cytokinin-Treated and Wild-Grown <i>Nepeta Nuda</i>
10:35 – 10:45	<i>Coffee break</i>
	MORNING SESSION II, 27.03 <a href="https://teams.microsoft.com/l/meetup-join/19:meeting_MTYwNzFjNDAtYjZiS00MDjJLWI3N2MtMWI4YTU2NWUwZTRk@thread.v2/0?context=%7B%22Tid%22:%222672d32a-be75-49eb-88c3-3d3f482a3205%22,%22Oid%22:%220ed1e078-0a1f-4230-8ff6-ff851cf18b72%22%7D">https://teams.microsoft.com/l/meetup-join/19:meeting_MTYwNzFjNDAtYjZiS00MDjJLWI3N2MtMWI4YTU2NWUwZTRk@thread.v2/0?context=%7B%22Tid%22:%222672d32a-be75-49eb-88c3-3d3f482a3205%22,%22Oid%22:%220ed1e078-0a1f-4230-8ff6-ff851cf18b72%22%7D</a>
	Session <b>Polymer-based formulations of medicinal and aromatic plants</b> Chair Dr. Emi Haladjova
10:45	Invited lecture, Dr Natalia Oleszko-Torbus Copolymers 2-oxazoline for applications in biology and medicine
11:15	Invited lecture, Assoc. Prof. Dr. Natalia Toncheva-Moncheva, Original Synthesis of new assemblies by initiator-free thiol-ene “click” coupling reactions performed by LED UV illumination
11:45	Invited lecture, Assoc. Prof. Mariya Spasova Novel fibrous materials based on polylactide and Portulaca oleracea plant extract: Preparation, physico-chemical and biological properties
	Oral presentation
12:15	Assoc Prof. Emi Haladjova Dru loaded Mixed polymeric micelles as antibiofilm agents
12:30 – 13:00	Discussion
12:00 – 14:30	<i>Lunch break</i>

	AFTERNOON SESSION, 27.03 <a href="https://teams.microsoft.com/l/meetup-join/19:meeting_OGI4YTljYmltY2Y5Zi00MTEzLTk0ZjEtYWZhM2Y3YzlkNmRm@thread.v2/0?context=%7B%22Tid%22:%222672d32a-be75-49eb-88c3-3d3f482a3205%22,%22Oid%22:%220ed1e078-0a1f-4230-8ff6-ff851cf18b72%22%7D">https://teams.microsoft.com/l/meetup-join/19:meeting_OGI4YTljYmltY2Y5Zi00MTEzLTk0ZjEtYWZhM2Y3YzlkNmRm@thread.v2/0?context=%7B%22Tid%22:%222672d32a-be75-49eb-88c3-3d3f482a3205%22,%22Oid%22:%220ed1e078-0a1f-4230-8ff6-ff851cf18b72%22%7D</a>
	Session <b>Formulation, characterization and quality control of MAP-based products</b> Chair Dr. Zahari Vinarov
14:30	Invited lecture, Prof. Dr. Ioanna Chinou, Basic principles of final herbal products quality, according their regulatory frame of registration- Herbal medicines vs food supplements
15:00	Invited lecture, Prof. Dr. Krassimir Velikov Advanced formulation approaches for delivery of water insoluble plant bioactive molecules
15:30	Invited Lecture, Javier Sainz Stevia: Why this ancient plant has a key role in the sustainable and healthy substitution of sugar at a global scale?
16:00	Discussion
16:30 – 17:30	Poster session ( <b>List of posters at the end of the Program</b> )

Tuesday, 28.03. 2023.

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	MORNING SESSION AND CLOSIN, 28.03. <a href="https://teams.microsoft.com/l/meetup-join/19:meeting_ZDFiMzM3YzUtMjBhZS00MWJmLTk0ODktN2MzOWM0MjI4YWZj@thread.v2/0?context=%7B%22Tid%22:%222672d32a-be75-49eb-88c3-3d3f482a3205%22,%22Oid%22:%220ed1e078-0a1f-4230-8ff6-ff851cf18b72%22%7D">https://teams.microsoft.com/l/meetup-join/19:meeting_ZDFiMzM3YzUtMjBhZS00MWJmLTk0ODktN2MzOWM0MjI4YWZj@thread.v2/0?context=%7B%22Tid%22:%222672d32a-be75-49eb-88c3-3d3f482a3205%22,%22Oid%22:%220ed1e078-0a1f-4230-8ff6-ff851cf18b72%22%7D</a>
	Session <b>Obtaining and chemical characterization of biologically active natural and synthetic compounds</b> Chair: Dr. Kalina Danova
9:30	Invited lecture, Dr. Evelyn Wolfram Phytochemical and Effect-directed analysis as the basis of evidenced based natural products
10:00	Invited Lecture, Prof. Dr. Ulrike Lindequist Mushrooms - their potential for medicine and a healthy nutrition
	Session <b>Biological activity of natural and synthetic compounds</b> Chair: Dr. Iliana Rasheva
10:30	Invited lecture, Dr. Dejan Stojković, Plant industrial by-products as sources of bioactive compounds with potential food and cosmeceutical applications
11:00 – 11:15	<i>Coffee break</i>
11:15	Invited lecture, Dr. Danijela Mišić, Catmints (Nepeta sp.): biological activities and applicative potential
	Session <b>Medicinal and aromatic plants by-products - extraction, composition and biological activities</b>

	Chair: Dr. Krasimir Rusanov
11:45	Invited lecture, Dr. B. B. Basak, Exploration of value addition potential of waste biomass from medicinal and aromatic plants
12:15 – 12:45	General discussion
12:45 – 13:00	Closing

**Link to Virtual Conference Platform**

<https://registration.sdewes.org/ICSUMAP23/virtcon/>

## LIST OF POSTERS

TITLE	AUTHORS	SESSION
<b>Polymeric Micelles of Mixed Composition as Effective Carriers for Biomolecules</b>	<u>Rumena Stancheva*</u> , Emi Haladjova, Maria Petrova, Iva Ugrinova, Ivaylo Dimitrov, Stanislav Rangelov	<i>Polymer-based formulations of medicinal and aromatic plants</i>
<b>Role of RAGE Receptors in the Obestatin Effect</b>	Bilyana Ilieva, Milena Keremidarska-Markova, Hristo Gagov, <u>Iliyana Sazdova*</u>	<i>Biological activity of natural and synthetic compounds</i>
<b>Effect of Graphene Oxide Nanoparticles on Rat Mitochondrial ATPase And Diamino Oxidase Activity..</b>	<u>Milena Keremidarska-Markova*</u> , Milena Mishonova, Milena Shkodrova, Neli Raikova, Dilyana Doncheva-Stoimenova, Natalia Krasteva, Mariela Chichova	
<b>Antiviral Potential of Plants from <i>Stachys</i> Genus Against Herpes Viruses</b>	<u>Daniel Todorov*</u> , Anton Hinkov, Kalina Shishkova, Desislava Mantovska, Zhenya Yordanova, Stoyan Shishkov	
<b>Antibacterial Activity of New Isolated Lactic Acid Bacterial Strains against Phytopathogenic Bacteria</b>	<u>Yana Evstatieva*</u> , Petya Penkova, Anita Tosheva, Elena Trifonova, Dilyana Nikolova	
<b>Biological Activity of Ferrite Nanoparticles</b>	<u>Iliana Ivanova*</u> , Elena Nenova, Lilia Petrova, Desislava Boteva	
<b>Biological Effects of <i>Rosa damascena</i> Extracts on Cultured Human Fibroblasts</b>	<u>Veselina Moskova Doumanova*</u> , Ralitsa Veleva, Antoaneta Trendafilova, Tanya Topouzova-Hristova	
<b>Antifungal Activity of Bulgarian Plant Populations of <i>Vaccinium vitis-idaea</i> L.</b>	Rossalina Uzunova, <u>Iliyana Rasheva*</u> , Ivaila Dincheva, Trayana Nedeva, Svetla Angelova	
<b>In Vitro and in Vivo Antioxidant Capacity of Ethanolic Extracts of <i>Cuscuta</i> spp..</b>	<u>Lyuben Zagorchev*</u> , Vanina Lozanova, Denitsa Teofanova, Yana Evstatieva	
<b>In Vitro Cultivation of <i>Stevia rebaudiana</i> by Adding Silver Salts of Amino Acid-Based Nanofibers</b>	<u>Kamelia Miladinova-Georgieva*</u> , Maria Geneva, Maria Petrova, Daniela Tsekova, Elisaveta Kirova, Mariana Sichanova	<i>Characterization of the genetic and metabolite diversity of medicinal and aromatic plants (MAP) for their cultivation and further utilization</i>
<b>Construction of Genetic Linkage Map of Lavender (<i>Lavandula angustifolia</i> Mill.) Based on SSR Markers</b>	<u>Pavlina Vassileva*</u>	
<b>Targeting of Secondary Metabolite Productivity through Conventional Tissue Culture Techniques. Experience in the <i>Hypericum</i>, <i>Artemisia</i> and <i>Sideritis</i> species</b>	<u>Kalina Danova*</u> , Antoaneta Trendafilova, Kalina Alipieva, Jasmina Petreska Stanoeva, Viktoria Ivanova, Ina Aneva, Marina Stefova, Milka Todorova	
<b>Development of a Strategy for Obtaining Highly Productive <i>Nepeta nuda</i> In Vitro..</b>	<u>Desislava Raykova*</u> , Ana-Maria Nedelcheva, Victoria Vladimirova, Anna Zaharieva, Adriana Krasteva, Zhenya Yordanova, Miroslava Zhiponova	
<b>Assessment of State of Cenopopulations of the <i>Erysimum croceum</i> of the Trans-Ili Alatau</b>	<u>Akerke Serbayeva*</u>	
<b>Phenolic Compounds in Waste after Distillation of <i>Geranium macrorrhizum</i> L.</b>	<u>Milena Nikolova*</u> , Ana Dobрева	<i>Medicinal and aromatic plants by-products - extraction, composition and biological activities</i>

<b>Assessment of Biological Activity of Rose Oil Distillation Waste Water (RODW) Using Different in Vitro Cell Culture Lines</b>	<u>Boyka Andonova-Lilova*</u> , Marina Alekseeva, Mila Rusanova, Krasimir Rusanov, Tzvetelina Zagorcheva, Ivan Atanassov	
<b><i>Echinacea</i> Species Introduced in Bulgaria as a Source of Caftaric and Chicoric Acids</b>	<u>Mariya Vlasheva*</u> , Mariana Katsarova, Ana Dobрева, Stela Dimitrova, Anatoli Dzhurmanski	<i>Obtaining and chemical characterization of biologically active natural and synthetic compounds</i>
<b>Solketal Reactions with Ibuprofen - Formation and Characterization of Novel Products</b>	<u>Viktorija Jakimovska Pokupec*</u> , Marina Stefova, Milena Popova, Vassya Bankova	
<b>Fatty Acid Composition of Purslane (<i>Portulaca oleracea</i> L.) Leaves</b>	<u>Sabina Taneva*</u> , Svetlana Momchilova	
<b>Green Extraction of Rosmarinic Acid from Lemon Balm (<i>Melissa officinalis</i> L.) with subcritical Water.</b>	Ana Atanasova, Ani Petrova, Desislava Teneva, Manol Ognyanov, Yordan Georgiev, Nenko Nenkov, Petko Denev*	
<b>Comparison of Different Techniques for Extraction of Sesquiterpene Lactones from <i>Inula helenium</i> Roots</b>	Fahriye Şeyma Özcan, Nihat Özcan, Hilal Dikmen, Özlem Çetin, Mustafa Çelik, <u>Antoaneta Trendafilova*</u>	