

**SYMPOSIUM 04**

**Viticulture and Winemaking between Tradition and Innovation**

"Mihai Viteazu" Hall, P1

\*light green background= Young Minds Award participants

\* light blue background =online presentation

**Monday, May 13**

9.00-9.15				<b>Welcome</b>	
<b>Session I - Plenary Session - Chairs: Arina Oana Antocea and Valeriu Cotea</b>					
9.15-9.30	S04	O-I	1	<b>Antocea Oana Arina</b>	An outline of current state of Romanian viticulture and vitivinicultural products
9.30-10.00	S04	O-I	2	<b>Luigi Bavaresco</b> , Filippo Del Zozzo, Ginevra Canavera	Grapevine genetic resources for a sustainable viticulture
10.00-10.30	S04	O-I	3	<b>Valeriu Cotea</b> , Elena Cristina Scutarasu, Lucia Cintia Colibaba, Cornelia Elena Focea, Camelia Elena Luchian	Prospects of non-thermal and thermal physical technologies - promising alternatives for winemaking optimization
10.30-10.45	S04	O-I	4	<b>Yurii Andrusyk</b> , Olena Vasylenko, Viacheslav Onischenko, Oleksandr Havryliuk	Thousand-year history of northern viticulture in Ukraine: challenges and opportunities
10.45-11.00	S04	O-I	5	<b>Questions and Discussions/Coffee break</b>	
<b>Session IIa - Environmentally friendly viticulture, sustainable practices and biodiversity - Chairs: Luigi Bavaresco and Valeriu Cotea</b>					
11.00-11.15	S04	O-II	1	<b>Arif Atak</b> , Kevser Corak	Effects of some treatments on rooting and shoot development in different Vitis species
11.15-11.30	S04	O-II	2	<b>Martin Mehofer</b> , Karel Hanak, Bernhard Schmuckenschlager	Field trials into the effects of 31 rootstock varieties on the generative and vegetative performance of Chardonnay
11.30-11.45	S04	O-II	3	Robert Hack, <b>Ferdinand Regner</b>	Analysis of stunting degeneration in grapevine
11.45-12.00	S04	O-II	4	<b>Eligio Malusa</b> , Andrea Manfredini, Federico Maron, Loredana	A survey of global soil fertility in Piedmont (Italy) vineyards based on multiple physical, chemical and biological indexes
12.00-12.15	S04	O-II	5	<b>Mehrnaz Falaki</b> , Neelambika Meti	Effect of different plant growth regulators and salt strengths on somatic embryogenesis and plant regeneration in petiole cultures of Vitis vinifera L. cv. Thompson Seedless
12.15-12.30	S04	O-II	6	<b>Torben B. Toldam-Andersen</b> , Jonatan Lund Hansen	Yield components and leaf/fruit ratio effects on quality in Solaris
13.00-14.30				<b>Lunch</b>	
<b>Session IIb - Environmentally friendly viticulture, sustainable practices and biodiversity - Chairs: Luigi Bavaresco and Arif Atak</b>					
14.30-14.45	S04	O-II	7	<b>Marta Czaplicka</b> , Ewelina Gudarowska, Piotr Chohura, Magdalena Rowinska, Kacper Parypa, Przemyslaw Babelowski, Jan Krezel, Cecylia Uklanska-Pusz, Tomasz Pilawka	The differences in the mineral content of selected grape cultivars in several vineyards in south-western Poland
14.45-15.00	S04	O-II	8	<b>Daniela Sangiorgio</b> , Gianluca Allegro, Chiara Pastore, Gabriele Valentini, Emilia Colucci, Ilaria Filippetti	Effects of zeolite application and irrigation on berry sunburn damage and vine performances in cv. Sangiovese (Vitis vinifera L.)
15.00-15.15	S04	O-II	9	<b>Daniele Miccichè</b> , Rosario Di Lorenzo, Daniela Fracassetti, Stefano Puccio, Lucia Turano, Antonino Pisciotta	Aroma precursors in Grillo grape (Vitis vinifera L.): exploit the impact of irrigation regimes
15.15-15.30	S04	O-II	10	<b>Luca Capriotti</b> , Silvia Sabbadini, Michela Cecchin, Barbara Molesini, Tiziana Pandolfini, Oriano Navacchi, Angela Ricci, Irene Piunti, Maria Victoria Sùnico Sanchez, Bruno Mezzetti	RNAi-based approaches in grapevine plants for grey mould disease protection
15.30-15.45	S04	O-II	11	<b>Alina Vasilescu</b> , Elena Brinduse, Roberta Maria Banciu, Marian Ion,	Development of new bioanalytical tools for assessing the grapes' infection with Botrytis cinerea
15.45-16.00	S04	O-II	12	<b>Lamis Chalak</b> , Yolla Ghorra Chamoun	A first insight into the flora biodiversity of the Lebanese viticulture
16.00-16.15	S04	O-II	13	<b>Lucia Turano</b> , Rosario Di Lorenzo, Daniele Miccichè, Stefano Puccio, Antonino Pisciotta	Biodiversity in Grapevines: Unveiling the Potential of Ancient Sicilian Cultivars and Biotypes of Key
16.15-16.20	S04	P-II	1	<b>Felix Nchu</b> , Amanda Mahlangu, Mbappe Tanga, Enoch Akinbiyi Akinpelu, Learnmore Kambizi	<i>Farming practice influences non-essential metal and metalloid concentrations in grapevine in selected vineyards of the Cape Winelands, South Africa</i>
16.20-16.25	S04	P-II	2	<b>Ion Bogdan Trusca</b> , Raluca Iuliana Popescu, Sergiu Stefan Gorjan	<i>Study of affinity between rootstocks and graft on grape cultivars created at Research and Development Station for Viticulture and Winemaking Dragasani</i>
16.25-16.30	S04	P-II	3	<b>Ion Bogdan Trusca</b> , Sergiu Stefan Gorjan, Raluca Iuliana Popescu	<i>Analysis of the existing soils in the rootstock plantation and in the vine plantations supplying grafts in the Drăgășani vineyard</i>
16.30-17.00				<b>Coffee Break</b>	
<b>Session IIc - Environmentally friendly viticulture, sustainable practices and biodiversity (Poster session) - Chairs: Luigi Bavaresco and Arif Atak</b>					

17.00-17.05	S04	P-II	4	<b>Maritina Stavrakaki</b> , Xenofon Konstantinou, Ioannis Daskalakis, Despoina Bouza, Katerina Biniari	<i>The effect of canopy topping height on the qualitative and quantitative characters in grapes of cv Mavrodafni (Vitis vinifera L.)</i>
17.05-17.10	S04	P-II	5	Despoina Bouza, Aggeliki Tsavala, Maria Lappa, Katerina Biniari, Ioannis Daskalakis, <b>Maritina Stavrakaki</b>	<i>The effect of rootstock on grape quality characters, phenolic and antioxidant potential of a biotype of cv Korinthiaki Staphis (Vitis vinifera L.)</i>
17.10-17.15	S04	P-II	6	Sergiu-Ayar Ene, <b>Aurora-Maria Ranca</b> , Romul Mircea Margineanu, Ionica Dina	<i>Research on the reduction of the water reserve in the soil and its influence on the production of grapes in the Murfatlar vineyard</i>
17.15-17.20	S04	P-II	7	<b>Andrei Tanase</b> , Ioan Sumedrea, Alina Florea, A.P. Onache, D. Dinu, A. Asanica	<i>Effect of water deficit on table grape berry quality</i>
17.20-17.25	S04	P-II	8	Horia-Silviu Racoare, Liliana Lucia Tomoiaga, Maria Comsa, Maria Doinita Muntean, Alexandra Doina Sirbu, Razvan Banciu, Adrian Vasile Florean, Ioana Giurcă, <b>Veronica Sanda Chedea</b>	<i>The influence of cover crops on soil water content in vineyards from central Transylvania</i>
17.25-17.30	S04	P-II	9	<b>Steliana Paula Barbu</b> , Liliana Pircalabu, Irina Balanescu	<i>The impact of soil maintenance systems and disease and pest control systems on the production capacity of vine ecosystems</i>
17.30-17.35	S04	P-II	10	<b>Ionela Catalina Guta</b> , Elena Cocuta Buciumeanu, Dorin-Ioan Sumedrea	<i>Selection of the most appropriate method to eliminate grape-vine Pinot gris virus and grapevine fleck virus using the analytical hierarchy process</i>
17.35-17.40	S04	P-II	11	<b>Iulia Dan</b> , Iulia Cristina Muresan, Ionel Mugurel Jitea	<i>Recognizing barriers and exploring possibilities to reduce pesticide utilization in European viticulture</i>
17.40-17.45	S04	P-II	12	Filippo Ferlito, Daria Costantino, Giuseppina Las Casas, Lucia Giordano, Alberto Palliotti, Biagio Torrisi, Alessio Giuffrida, <b>Elisabetta Nicolosi</b>	<i>Preliminary results of the effect of early topping on the canopy architecture of Carricante vine (Vitis vinifera L.)</i>
17.45-18.00	S04			<b>Questions and Discussions</b>	
18.00-19.00	<b>Visits to the booths exhibition (of sponsors, research centers, universities)/workshops</b>				
<b>Tuesday, May 14</b>					
8.30-19.00				<b>Technical Tours</b>	
<b>Wednesday, May 15</b>					
<b>Session III - Sustainable viticultural practices, mechanization and automation- Chairs: Arif Atak, Peter Robatscher/Arina Antoce</b>					
9.00-9.15	S04	O-III	1	<b>Alexis Comar</b> , Romain Delalande, Jérémy Labrosse, Jocelyn Gillet	Automated Detection of Botrytis Cinerea Infestation in Champagne Grape Crates Using RGB Imagery, Polarized Light, and
9.15-9.30	S04	O-III	2	<b>Cyndel Berger</b> , Marielle Pages-Homs, Axel Canado, Tourette, P.D, Frédéric Violleau	The ozone molecule at the service of the grapevine: from the nursery to the vineyard
9.30-9.45	S04	O-III	3	<b>Axel Canado</b> , Marielle Pages-Homs, Gilles Hebrard, Frederic Violleau	How to efficiently spray ozonated water to struggle against the downy mildew? When gas-liquid mass transfer meets agriculture
9.45-9.50	S04	P-III	1	<b>Katsumi Ohyama</b> , Takayuki Tsukamoto, Takao Yamamoto, Yuzuko Utsumi, Keita Yoshinaga, Ryota Sakata, Shimon Tanaka, Takeshi Isobe, Yuka Miwa, Yuka Suehiro	<i>Multi-purpose small collaborative robot for smart viticulture: concept and design</i>

9.50-9.55	S04	P-III	2	<b>Shimon Tanaka</b> , Katsumi Ohyama, Takayuki Tsukamoto, Keita Yoshinaga, Ryota Sakata, Takeshi Isobe, Yuka Miwa, Yuka Suehiro	<i>Evaluation method for labourers' work status in a vineyard using Global Navigation Satellite Systems with Real-Time Kinematics</i>
9.55-10.00	S04			<b>Questions and Discussions</b>	
10.00-11.00				<b>ISHS WG: Grape Genetics, Physiology and Management meeting and Focus group : Future of Viticulture and Oenology research inside of ISHS: Bruno Mezzeti, Francois Laurens, Theodore Dejong, Peter Robatscher, Ryohei Nakano, Gregorio Munoz Organero, Arif Atak, Luigi Bavaresco, Arina Antoce</b>	
11.00-11.30				<b>Coffee Break</b>	
<b>Session IVa - Use of traditional and new grape varieties in vineyards - Chairs: Gregorio Munoz Organero and Dragan Nikolic</b>					
11.30-11.45	S04	O-IV	1	<b>Angelo Sicilia</b> , Simona Taranto, Filippo Ferlito, Elisabetta Nicolosi, Angela Roberta Lo Piero	Integration of RNAseq and WGCNA to study phenotypic plasticity in wine grape cultivars grown in Southern Italy
11.45-12.00	S04	O-IV	2	<b>Nihan Sahin</b> , Elman Bahar, Ilknur Korkutal, Demir Kok	Utilizing Molecular Marker-Assisted Selection to Identify Seedless Grapevines from the Genetic Resources of Ganos Mountain Grapevines
12.00-12.15	S04	O-IV	3	<b>Joe Merheb</b> , Catherine Roux, Valerie Laucou, Joe Assaad Touma, Naim Ouaini, Marc Beyrouthy, Nisrine Karam, Yolla Ghorra Chamoun, Patrice This, Lamis Chalak	Genetic profiling of a hidden grapevine germplasm of ancient terraces in Hadchit village, North Lebanon
12.15-12.30	S04	O-IV	4	Papaiah Sardaru, Carissa Jackson, Cherie Wood, X. Dai, Yunde Zhao and <b>Sadanand Dhekney</b>	Precision Breeding and Genome Editing of Wine and Table Grape Cultivars for Improving Disease Resistance
12.30-12.45	S04	O-IV	5	<b>Ferdinand Regner</b> , Andreas Endler, Erich Ferschel, Robert Hack, Andreas Rockenbauer, Eisenheld, C.	The change to "Piwi" varieties in the Austrian viticulture
12.45-13.00	S04	O-IV	6	Sara I. Blanco González, María M. Hernández, <b>Cristina Menéndez</b>	PIWI varieties for La Rioja: innovation for improved sustainability
13.00-14.00				<b>Lunch</b>	
<b>Session IVb - Use of traditional and new grape varieties in vineyards - Chairs: Gregorio Munoz Organero and Dragan Nikolic</b>					
14.00-14.05	S04	P-IV	1	Cristina Esteras, Jaume X Soler, Francisco Martínez-Gil, Juan José Ruiz, Belén Picó, <b>Gisbert Carmina</b>	<i>Morphological and genetic differences of JX59 Muscat of Alexandria clone: the whitest Muscat in la Marina Alta, Spain</i>
14.05-14.10	S04	P-IV	2	Andrej Svyantek, John Stenger, Nickolas Theisen, Matthew Brooke, Collin Auwarter, <b>Harlene Hatterman-Valenti</b>	<i>Assessment of 'Frontenac' and 'King of the North' as Potential Genotypes for Late Harvest and Ice Wine Production in North Dakota</i>
14.10-14.15	S04	P-IV	3	<b>Arif Atak</b> , Hassan Mahmoudzadeh, Majid Golmohammadi, Amirmohammad Alizadeh	<i>Investigating some characteristics of Red Sultan Autotetraploid grapes</i>
14.15-14.20	S04	P-IV	4	Liliana Lucia Tomoiagă, Maria-Doinița Muntean, Maria Comșa, Răzvan Banciu, Viorel Budiu, <b>Veronica Sanda Chedea</b>	<i>Local genetic resources for the reconstruction of the biodiversity of viticultural ecosystems in order to improve the quality of grapes</i>
14.20-14.25	S04	P-IV	5	<b>Zoran Przic</b> , Nebojsa Markovic	<i>Varietal selection of autochthonous grape varieties in Serbia</i>
14.25-14.30	S04	P-IV	6	Stephanie Khater, Ali Chehade, Ahmad Elbitar, J. Karam, <b>Joe Merheb</b> , Lamis Chalak	<i>Intravarietal genetic diversity in grapevine (Vitis vinifera L.) cultivars of Lebanon as revealed by ampelographic descriptors and ISSR markers</i>
14.30-14.35	S04	P-IV	7	Andrej Svyantek, Zhuoyu Wang, Venkateswara R. Kadium, Sarah Bogenrief, John Stenger, Matthew Brooke, Collin Auwarter, <b>Harlene Hatterman-Valenti</b>	<i>Variation, Correlations, and Observations of Applied Selection in Diverse Interspecific Cold-hardy Bunch Grapes</i>
14.35-14.40	S04	P-IV	8	<b>Dragan Nikolic</b> , Zorica Rankovic-Vasic	<i>Properties of the newly created table grapevine cultivar 'Kristina'</i>
14.40-16.00				<b>Questions and Discussions</b>	
16.00-16.30				<b>Coffee Break</b>	
<b>Session V - Impact of climate change on viti-vinicultural and wine production - Chairs: Aurora Ranca, Arif Atak</b>					
16.30-16.45	S04	O-V	1	<b>Chiara Cirillo</b> , Antonello Bonfante, Carmen Arena, Angelita Gambuti, Francesca Petracca, Chiara Amitrano, Arturo Erbaggio, Pierpaolo Sirch, Veronica De Micco	How soil and canopy management can mitigate climate change effects on Greco grapevine: the results of a transdisciplinary approach
16.45-17.00	S04	O-V	2	<b>Mihai Tudor</b> , Gabriel Tabaranu, Aurel Ciubuca, Viorica Enache, Marius Stoica	Climate change implications on vegetative phenophases of the main grape varieties grown at Bujoru viticulture and winemaking research facility
17.00-17.05	S04	P-V	1	Ionica Dina, <b>Aurora-Maria Ranca</b> , Sergiu Ayar Ene, Victoria Artem	<i>The evolution of the main climatic factors in the interval 2014-2023 and their influence on the grapes production obtained in the Murfatlar wine-growing center</i>
17.05-17.10	S04	P-V	2	<b>Marioara Pusalau</b> , Ionica Bosoi, Camelia Alina Dirloman	<i>Study on climate changes in the Odobești vineyard, Vrancea</i>
17.10-17.15	S04	P-V	3	<b>Liliana Pircalabu</b> , Steliana-Paula Barbu, Irina-Georgiana Balanescu	<i>The behavior of some varieties and clones for red wines in the context of climate changes in the Valea Calugareasca viticultural center</i>

17.15-17.20	S04	P-V	4	<b>Carmina Gisbert</b> , Rosa Peiró, Mariano Fos, Dolores Raigón, Mireia Jaume, Jaume X Soler	<i>Assessing the Impact of Climate Change on Muscat of Alexandria Grapevines under Rain-Fed Conditions</i>
17.20-17.25	S04	P-V	5	<b>Roxana Filimon</b> , Doina Damian, Ancuta Nechita, Gabi Zaldea, Vasile Razvan Filimon	<i>The behavior of the new variety for table grapes Adoris in the temperate continental climate conditions from northeastern Romania</i>
17.25-17.30	S04	P-V	6	<b>Teodor Podrumar</b> , Constantina Chireceanu, Florina Calinovici, Daniela Elena Dobromir	<i>The effects of climate change on the intensity of attack of gray rot and black rot in the Cadarcă and Mustoasă de Măderat varieties from Miniș - Măderat vineyards</i>
17.30-17.35	S04	P-V	7	Elisabetta Nicolosi, <b>Angelo Sicilia</b> , Angela Roberta Lo Piero, Filippo Ferlito	<i>Assessment of the plasticity level of two Vitis vinifera L. cultivars in three environments of central and southern Italy as an indicator of the impact of climate change</i>
19.00-				<b>GALA DINNER</b>	

### Thursday, May 16

#### Session VIa Sustainable oenological practices for wine and wine sector related topics - Chairs: Arina Oana Antocea and Valeriu Cotea

9.00-9.15	S04	O-VI	1	<b>Antocea Oana Arina</b>	Overview of oenological practices recently approved or under consideration for approval by the OIV
9.15-9.30	S04	O-VI	2	<b>Peter Robatscher</b> , Martina Magni, Gaetano Cardone, Andrea Pichler, Veronica Marin, Silvano Ciani, Ombretta Polenghi, Virna Cerne, Michael Oberhuber	Circular economy strategies for the processing and reintegration of wine by-products from the grape wine Cv. Lagrein into the food chain
9.30-9.45	S04	O-VI	3	<b>Mihai Tudor</b> , Marius Stoica, Ciprian Grigorescu, Dana Fertu	Antimicrobial investigation of polyphenol action present in forest fruits and red wine extracts
9.45-10.00	S04	O-VI	4	Sabin Ioan Banita, <b>Calugar Anamaria</b> , Florin Dumitru Bora, Dorin Stefan Dusa, Cristina Babes, Andrea Bunea, Claudiu Ioan Bunea	Bioprotection as a tool to produce low-content sulfite wines. Case study - Cabernet sauvignon and Fetească neagră
10.00-10.15	S04	O-VI	5	Edna Santos, Maria Café, Ana Bela Lopes, <b>Goreti Botelho</b>	Wine tourism hotspot: a case study with a small Portuguese family-owned company
10.15-10.30	S04	O-VI	6	<b>Maria Tiziana Lisanti</b> , Matteo Giaccone, Rosa Capuano, Moio Luigi, Gambuti Angelita	Effect of an innovative continuous pressing system on the quality of white musts and wines
10.30-10.35	S04	P-VI	1	Liviu Vacarciuc, <b>Mariana Godoroja</b> , Valeria Propenco, Olga Mogildea, Cornelia Voinesco, Liliana Aurelia Badulescu	<i>Traceability of grape processing and the quality of wines obtained in the Codru wine-growing region of the Republic of Moldova</i>
10.35-10.40	S04	P-VI	2	<b>Marta Czaplicka</b> , Ewelina Gudarowska, Joanna Chmielewska, Jan Krezel, Kacper Parypa, Magdalena Rowinska, Tomasz Pilawka, Cecylia Uklanska-Pusz, Przemyslaw babelewski, Janusz Mazurek, Piotr Chohura, Muhammad Zubaidi, Agnieszka Nawirska-Olszanska	<i>The quality of wines produced in south-western Poland – 2021</i>
10.40-10.45	S04	P-VI	3	<b>Laura Enache</b> , Liliana Pircalabu, Cristian Burlacu, Georgeta Tudor	<i>Technological characteristic of Cabernet Sauvignon wines produced in an integrated system</i>
10.45-10.50	S04	P-VI	4	<b>Marta Czaplicka</b> , Kacper Parypa, Ewelina Gudarowska, Piotr Chohura, Magdalena Rowinska, Przemyslaw Babelewski, Jan Krezel, Cecylia Uklanska-Pusz, Janusz Mazurek, Tomasz Pilawka	<i>The quality of must for wine making of several grape cultivars, depending on the location of the vineyard and practice in viticulture</i>
10.50-10.55	S04	P-VI	5	Vasile Razvan Filimon, <b>Roxana Filimon</b> , Rodica Pasa, Ancuta Nechita, Doina Damian	<i>Enzymatic reduction of glucose from grape must using glucose-oxidase as a strategy for the production of low-alcohol wine</i>
10.55-11.00	S04	P-VI	6	Edgar Ribeiro, Susana Dias, Alexandra Ferreira, Inês Santos, Osvaldo Amado, <b>Goreti Botelho</b>	<i>Microbiological control in a winery: a case study with stainless-steel tanks for wine storage</i>
11.00-11.30				<b>Coffee Break</b>	

#### Session VIb Sustainable oenological practices for wine and wine sector related topics - Chairs: Arina Oana Antocea and Valeriu Cotea

11.30-11.35	S04	P-VI	7	<b>Tengiz Nozadze</b> , Marine Bezhuashvili, Ia Pipia	<i>The detection of aroma compounds in Georgian wines</i>
11.35-11.40	S04	P-VI	8	<b>Irena Budic-Leto</b> , Urska Vrhovsek, Silva Carlin, Vesna Milanovic, Jasenka Gajdos Kljusuric, Ana Boban	<i>Impact of autochthonous non-Saccharomyces yeasts on wine aroma complexity</i>
11.40-11.45	S04	P-VI	9	Cornelia Focea, Valeriu Cotea, <b>Lucia Cintia Colibaba</b> , Elena Cristina Scutarasu, Emese Gál, Balázs Brém, Mihai Focea, Camelia Elena Luchian	<i>Study of volatile compounds in white wines matured with oak chips</i>
11.45-11.50	S04	P-VI	10	<b>Ján Mezey</b> , Adrian Selnekovic, Ivana Mezeyova	<i>Analytical and sensorial comparison of white and orange wines</i>
11.50-11.55	S04	P-VI	11	<b>Miguel Cachão</b> , Ana Chambel	Increasing microalgae biomass feedstock by valorising wine gaseous and liquid residues
11.55-12.00	S04	P-VI	12	<b>Miguel Cachão</b> , Ana Chambel, Goreti Trindade, Sergio Pinto	Are farm to fork strategy goals reasonable and achievable? state of the art of Península de Setúbal's winegrowers

12.00-12:30			Questions and Discussions	
12:30-13:00	<b>Young Minds Awards and S04 Closing Ceremony</b>			
13.00-14.00			Lunch	