



BOOK of **ABSTRACTS**

4th INTERNATIONAL CONFERENCE ON PLANT BIOLOGY (23rd SPPS Meeting)



**6-8 OCTOBER 2022
BELGRADE**

Serbian Plant Physiology Society
Institute for Biological Research "Siniša Stanković"
National Institute of Republic of Serbia, University of Belgrade
Faculty of Biology, University of Belgrade

BOOK OF ABSTRACTS
4th International Conference
on Plant Biology
(23rd SPPS Meeting)



Belgrade, 2022

CIP - Каталогизacija у публикацији - Народна библиотека Србије, Београд

581(048)

INTERNATIONAL Conference on Plant Biology (4 ; 2022 ; Belgrade)

Book of Abstracts / 4th International Conference on Plant Biology [and] 23rd SPPS Meeting, 6-8 October 2022, Belgrade ; [organized by] Serbian Plant Physiology Society [and] Institute for Biological Research "Siniša Stanković", University of Belgrade [and] Faculty of Biology, University of Belgrade ; [editor Milica Milutinović]. - Belgrade : Serbian Plant Physiology Society : University, Institute for Biological Research "Siniša Stanković" : University, Faculty of Biology, 2022 (Zemun : Alta Nova). - 169 str. : ilustr. ; 24 cm

Tiraž 30. - Registar.

ISBN 978-86-912591-6-7 (SPPS)

1. Društvo za fiziologiju biljaka Srbije. Sastanak (23 ; 2022 ; Beograd)

а) Ботаника - Апстракти

COBISS.SR-ID 74996233

4th International Conference on Plant Biology
(23rd SPPS Meeting)
6-8 October, Belgrade

Organizing Committee

Jelena Savić (President), Neda Aničić, Jelena Božunović, Milica Milutinović, Luka Petrović, Nina Devrnja, Tatjana Ćosić, Dragana Rajković, Živko Ćurčić, Marina Putnik-Delić, Dragica Milosavljević, Milorad Vujičić, Marija Ćosić, Miloš Ilić

Scientific Committee

Aleksej Tarasjev (Belgrade, SERBIA)	Julien Pirello, (Castanet-Tolosan Cedex, FRANCE)
Ana Ćirić, (Belgrade, SERBIA)	Ljiljana Prokić, (Belgrade, SERBIA)
Ana Simonović †, (Belgrade, SERBIA)	Marijana Skorić, (Belgrade, SERBIA)
Anamarija Koren, (Novi Sad, SERBIA)	Marko Sabovljević, (Belgrade, SERBIA)
Aneta Sabovljević, (Belgrade, SERBIA)	Michel Chalot, (Montbéliard, FRANCE)
Angelina Subotić, (Belgrade, SERBIA)	Milan Borišev, (Novi Sad, SERBIA)
Angelos Kanellis, (Theassaloniki, GREECE)	Milan Dragičević, (Belgrade, SERBIA)
Biljana Kukavica, (Banja Luka, BOSNIA AND HERCEGOVINA)	Milan Miroslavljević, (Novi Sad, SERBIA)
Branka Vintehalter, (Belgrade, SERBIA)	Milka Brdar Jokanović, (Novi Sad, SERBIA)
Costas A. Thanos, (Athens, GREECE)	Miroslav Lisjak, (Osijek, CROATIA)
Danijela Arsenov, (Novi Sad, SERBIA)	Miroslava Zhiponova, (Sofia, BULGARIA)
Danijela Mišić, (Belgrade, SERBIA)	Mondher Bouzayen, (Castanet-Tolosan Cedex, FRANCE)
Georgy A. Romanov, (Moskva, RUSSIA)	Nataša Barišić Klisarić, (Belgrade, SERBIA)
Hermann Heilmeier, (Freiberg, GERMANY)	Snežana Zdravković-Korać, (Belgrade, SERBIA)
Hrvoje Fulgosi, (Zagreb, CROATIA)	Stéphane Pfendler, (Montbéliard, FRANCE)
Ingeborg Lang, (Vienna, AUSTRIA)	Tijana Cvetić Antić, (Belgrade, SERBIA)
Ivana Dragičević (Belgrade, SERBIA)	Vaclav Motyka, (Prague, CZECH REPUBLIC)
Ivana Maksimović (Novi Sad, SERBIA)	Vuk Maksimović, (Belgrade, SERBIA)
Jelena Dragišić Maksimović, (Belgrade, SERBIA)	Zsófia Bánfalvi, (Gödöllő, HUNGARY)
Jelena Samardžić, (Belgrade, SERBIA)	

<u>Publishers</u>	Serbian Plant Physiology Society Institute for Biological Research "Siniša Stanković" – National Institute of Republic of Serbia, University of Belgrade Faculty of Biology, University of Belgrade
<u>Editor</u>	Milica Milutinović
<u>Graphic design</u>	Dejan Matekalo
<u>Prepress</u>	Marija G. Gray
<u>Printed by</u>	Alta Nova, Zemun
<u>Print run</u>	30 pcs Belgrade, 2022

Potential of *Thymus pannonicus* All. *in vitro* culture: micropropagation, rosmarinic acid production and antimicrobial activity

PP3-8

Tatjana Ćosić¹, Nina Devrnja¹, Dijana Krstić-Milošević¹, Dragana Božić², Ivan Jančić², Martin Raspor¹, Zoran Maksimović²

(tatjana@ibiss.bg.ac.rs)

¹ Institute for Biological Research "Siniša Stanković" - National Institute of Republic of Serbia, University of Belgrade, Bulevar despota Stefana 142, 11060 Belgrade, Serbia

² Faculty of Pharmacy, University of Belgrade, Vojvode Stepe 450, 11221 Belgrade, Serbia

In Serbia, citral chemotype of *Thymus pannonicus* All. (Lamiaceae) can be only found on Mt Vršacke planine, as dominant form, where is traditionally used for medicinal purposes. To overcome difficulties in harvesting due to distribution in inaccessible areas, and to prevent possible overexploitation from its natural habitat, finding the means for alternative cultivation of this plant for its prospective beneficial use in human health care was set as objective of this study. Efficient system for *in vitro* shoot propagation of *T. pannonicus* was established for the first time. Different types of auxin (indole-3-acetic acid, IAA; indole-3-butyric acid, IBA; 1-naphthaleneacetic acid, NAA) were used for testing the process of rhizogenesis *in vitro*. Best response was detected on IBA and NAA for rhizogenesis frequency and number of formed roots, respectively. Rooted plants were successfully acclimatized. *In vitro* shoots cultivated on PGR free medium (E1) and medium with 1 mg L⁻¹ IAA (E2) were extracted with 80% methanol and analysed by HPLC. Presence of rosmarinic acid (RA) as dominant component was indicated in both extracts, with E2 containing higher RA amount (45.116 mg g⁻¹DW). Antimicrobial activity of extracts was tested using broth microdilution method against nine strains of laboratory control pathogenic microorganisms. Both extracts exerted significant antimicrobial activity against all tested pathogens with minimal inhibitory concentrations (MIC) in the range of 6.25-50 mg mL⁻¹, while E2 was more effective against Gram positive bacteria (6.25-12.5 mg mL⁻¹). Presented results could give inducement for potential greater commercial use of this significant species in the future.

Keywords: *T. pannonicus*, *in vitro* micropropagation, acclimatization, rosmarinic acid, antimicrobial potential

Acknowledgment: This research was funded by the Ministry of Education, Science and Technological Development, Republic of Serbia through Grant Agreement with University of Belgrade- Institute for Biological Research "Siniša Stanković" - National Institute of Republic of Serbia No. 451-03-68/2022-14/200007 and Grant Agreement with University of Belgrade-Faculty of Pharmacy No. 451-03-68/2022-14/200161.

A

Aćimović Milica	91
Adamakis S. Dimosthenis Ioannis ...	11
Aktaş Lale	19
Alimpić Aradski Ana	22
Alipieva Kalina	105
Anđelković Boban	136
Andrejić Gordana	46, 49
Andrejević Miljana	117
Aničić Neda.....	68, 77, 85, 109, 122, 127, 136, 144, 145, 148, 149, 151
Antić Marina	42, 101
Arrigoni Giorgio	57
Arsenov Danijela.....	45
Atanassov Atanas	135
Avramov Stevan.....	140, 141, 147

B

Bánfalvi Zsófia	40
Bangay Gabrielle.....	108
Banjac Nevena	44, 72, 73, 81
Banjanac Tijana	32, 68, 77, 109, 122, 126, 128, 144, 145, 147, 148, 149, 151
Banović Đeri Bojana	66
Barać Miroljub.....	97
Barišić Klisarić Nataša	140, 141, 147
Barros Lillian	112
Battisti Ilaria.....	57
Beeckman Tom	17
Bekavac Goran.....	74
Belaidi Samia.....	11
Belić Lela	31, 84
Belić Maja	25, 26, 27, 134
Bertran Garcia de Olalla E.....	15
Billiaderis G. Costas	11
Bitá E. Craita.....	11
Bjedov Ivana	80, 121
Blazakis N. Konstantinos	11
Bojović Biljana	34, 82

Bonchev Georgi	135
Bondokić Jasna	81
Borisova Preslava	64
Borišev Ivana	45
Bouzayen Mondher	11, 14, 37
Božić Dragana	104
Božić Manja	58, 61
Božović Đorđe	103
Božunović Jelena	68, 77, 85, 109, 122, 126, 127, 136, 144, 145, 148, 149, 151
Brdar-Jokanović Milka	79
Brkušanin Miloš	147, 148
Budakov Dragana	91

C

Carević Tamara	112, 116
Chaneva Ganka	28, 30, 33, 135
Chalot Michel	45
Ciesielska Maria	23
Collot Jordan	45
Cvejić Sandra	74, 120
Cvetić Antić Tijana	50
Cvetkov Venelin	107, 124, 125

Ć

Ćalić Dušica	25
Ćetković Slađana	52, 53
Ćirić Ana	96, 112, 128
Ćirić Andrija	34
Ćosić Marija	47, 48, 51, 103
Ćosić Tatjana	24, 76, 104
Ćuk Nemanja	74
Ćujić Nikolić Nada	94

Č

Čanak P	119
Čorić Branimir	146

D

Dahlin Iris	131
Damnjanović Jelena	31
Davidović-Plavšić Biljana	42, 52, 53, 98
Dedić Boško.....	74
Delić Nenad	58, 61
Denic Dusan	11
Denninger Philipp.....	12
Denzler Anna	12
Devrnja Nina	24, 71, 76, 104, 126
Dervišević Marina.....	84
Dias Maria Inês	112
Dimitrijević Milena.....	136
Dinić Jelena	108
Djari Anis	14
Dmitrović Slavica	68, 77, 80, 85, 121, 122, 123, 136, 144, 145, 148, 149, 151
Dobrev Petre	24, 76
Dojčinović Biljana.....	97
Dragičević ivana.....	123
Dragičević Milan	71, 109, 136, 151
Dragišić Maksimović Jelena.....	18, 73, 81, 111
Dragoj Miodrag.....	108
Dražić Tanja.....	93
Driouich Azeddine	11
Dudaš Tatjana	91
Dudić Tijana.....	29
Duletić-Laušević Sonja	22
Dunkiћ Valerija.....	99
Dušanić Nenad	74

Đ

Đekić Nikolina.....	21
Đorđević Vladan.....	139
Đorđević Vuk.....	74
Đukanović Nina.....	102
Đurić Marija	60
Đurović Sanja	29

DŽ

Džamić Ana..... 114, 115
Dželetović Željko46, 49

E

Eeckhout Dominique 17
Eler Klemen..... 132
Ezzat Lamia 11

F

Ferreira CFR Isabel..... 112
Fíla Jan 16
Filipović Biljana..... 32, 68, 77, 109, 122, 144, 148, 149, 151
Fredotović Željana 99
Fuchs Vanessa 12

G

Gadzovska Simic Sonja..... 69, 110
Gajić Gordana 139
Gašić Uroš..... 28, 42, 68, 77, 80, 85, 98, 121, 122, 126, 127, 128, 135, 136,
144, 145, 148, 149, 151
Gesheva Emiliya 56
Georgieva Katya..... 55, 56, 63
Georgieva Zhaneta 33
Germ Mateja..... 67
Chirinos Ximena..... 14
Giba Zlatko..... 47, 60, 80, 123
Giannoutsou Eleni..... 11
Gigova Liliana 56
Gilbert Louis Jean 18
Girek Zdenka 31
Giweli Abdulhmid 22
Gjureci Bedri..... 69
Glamočlija Jasmina 50,96
Glavaš-Trbić Danica..... 79
Glogovac Svetlana 74, 120
Golijan Pantović Jelena 97
Golob Aleksandra 67

Gombos Sven.....	12
González G. Anna	11
Grahovac Nada.....	74
Grahovac Mila.....	91
Grubišić Sonja.....	38
Grdović Isidor.....	46, 49
Grossmann Guido	12, 15
Guichard Marjorie	12, 15
Gvozdencac Sonja.....	74

H

Hance Philippe	18
Hasanagić Dino	21
Heimler Korbinian	92
Heilmeyer Hermann	39
Hinkov Anton.....	107, 124, 125
Hladni Nada.....	74
Hočevac Katarina	138, 142, 143
Honyš David	16
Hrustić Jovana	113

I

Ignjatović-Mičić Dragana.....	58, 61
Ilković Daniel	19
Ines Dias Maria	111
Ivanov Alexander.....	63
Ivanov Marija.....	96, 112, 116, 128
Ivanova Gabriela.....	33, 125
Ivanova Lyubomira	135

J

Jadranić Bojana.....	51
Jakovljević Dragana.....	34, 82
Jakovljević Ksenija.....	133
Janačković Peđa.....	150
Jančić Ivan.....	104
Janković Bojan.....	29
Janošević Dušica.....	22, 50, 81

Jaeger De Geert	17
Jelić Mihailo	148
Jocić Siniša	74
Jocković Milan	74
Jovanović Mirna	108
Jovanović Stojanov Sofija.....	108
Jovanović Vladan	29, 80, 122, 123
Jovanović Zorica	62, 84
Jovičić Dušica.....	119
Jose Jeny.....	40
Juříček Miloslav	16

K

Kaiser Frederic Christian	15
Kalaitzis Panagiotis	11
Kalogerakis Nicolas.....	11
Kaloudas Dimitrios.....	11
Kanellis Angelos.....	89
Kanjevac Milica.....	34, 82
Kapchina-Toteva Veneta	135
Karcheva Zornitsa.....	33
Karsai-Rektenwald Flóra	40
Kermavnar Janez	132
Khalil Mohab	11
Kilibarda Nataša	95
Kiprovska Biljana.....	74, 79
Klodová Božena	16
Koleška Ivana	21
Kondić Špika Ankica	74, 119, 120
Koren Anamarija	79
Kosma Maria.....	11
Kostić Aleksandar	97
Kostić Ana	108
Kostić Marina	96
Kovačević Milijana.....	46, 49
Kouhen Mohamed	11
Krasteva Irina	124

Krستیć Marija	38
Krokida Afrodite	11
Krstić Miloš	74
Krstić Milošević Dijana	32, 104
Krumov Nikolay	33
Krumova Sashka	19, 20
Kukavica Biljana	42, 52, 53, 59, 98, 101
Kumanova Elena	33
Kutnar Lado	132

L

Lang Ingeborg	41, 51
Langari Ariana	20
Lazaridou Athina	11
Lazić Dragan	65
Lekić Slavoljub	97
Leontaridou Konstantina	89
Lisjak Miroslav	38
Loc Marta	91
Lolić Svjetlana	59
Lukić Nataša	42
Lukić Tamara	68, 77, 122, 144, 145, 148, 149, 151
Lupšić Ema	108

LJ

Ljevnaić-Mašić Branka	79
Ljubenkov Ivica	99

M

Maksimović Ivana	65, 101
Maksimović Tanja	59
Maksimović Vuk	18, 44, 111
Maksimović Zoran	104
Maletić Snežana	102
Manitašević Jovanović Sanja	138, 142, 143
Mantovska Desislava	30, 33, 105, 135
Maravić Ana	99
Marin Marija	72

Marin D. Petar	22
Marinšek Aleksander.....	132
Marjanović-Jeromela Ana.....	74, 79, 102, 119, 120
Marjanović Milena.....	62, 84
Marković Dimitrije.....	131
Marković Marija.....	60, 100
Marković Hadžić Stefan.....	85, 127
Marković S. Tijana	85, 127
Masi Antonio	57
Matak Lucija	146
Matejić S. Jelena.....	114, 115
Matić Nikolina	103
Matekalo Dragana.....	68, 77, 109, 122, 136, 144, 145, 148, 149, 151
Mavrić Čermelj Anja	67
Maza Elie.....	14
Mazhrakova Nikol	19, 20
Mekkaoui Khansa	11
Micke Anne	92
Mihailova Gergana.....	55, 56, 63
Mihajlović Milica	113
Mikavica Ivana	139
Mikić Sanja.....	74
Miklić Vladimir	74
Miladinović Dragana	74, 119, 120
Miladinović Jegor	74
Mileski Ksenija	114, 115
Miletić Milica	150
Milosavljević Dragica	111
Milić Dejana.....	66, 67, 95
Milić Komić Sonja	43, 67, 83, 95
Milinčić Danijel.....	97
Milivojević Jasminka	111
Miljković Danijela	140, 141, 147
Milojević Jelena.....	25, 26, 27, 134
Milošević Snežana.....	60
Milutinović Milica	68, 71, 77, 85, 109, 122, 126, 128, 136, 144, 145, 148, 149, 151

Minina A. E. Alyona	15
Mirosavljević Milan	74, 93
Mishev Kiril	17
Mišić Danijela	28, 32, 42, 68, 77, 80, 85, 98, 101, 109, 121, 122, 126, 127, 135, 136, 144, 145, 148, 149, 151
Mišljenović Tomica	133
Mitrović Aleksandra	50
Mojović Miloš	47, 117, 118, 126
Momčilović Ivana	75
Momčilović Vojislava	93
Monzer Aline	11
Motyka Václav	13, 24, 76
Morina Filis	57
Mutavdžić Dragosav	18
Mutić Jelena	139
Murtić Senad	21

N

Nagler Lukas	41
Nakarada Đura	47, 117, 118, 126
Nazlić Marija	99
Nešić Marija	80, 121
Nestorović Živković Jasmina	32, 68, 77, 80, 85, 121, 122, 123, 136, 144, 143, 148, 149, 151
Nikos Anezakis	11
Nikolić Ana	58, 61
Nikolić Bogdan	29, 123
Nikolić Ivana	54, 70
Nikolić Nenad	83
Ninković Slavica	24, 44, 72, 73, 81
Ninković Velemir	131
Novaković Jelica	150
Novović Katarina	116

O

Oalđe Pavlović Mariana	48
Odgerel Khongorzul	40
Ojdanič Nik	67

Ovuka Jelena..... 74

P

Pachedjjeva Kalina 137

Pantelić Ana.....57, 66, 67, 95

Pantelić Danijel..... 75

Papantoniou Dimitra..... 11

Pavlović Suzana..... 31

Paunov Momchil..... 28

Perrakis Andreas 11

Pešić Mirjana97

Pešić Milica..... 108

Petreš Mladen91

Petrov Petar 20

Petrova Asya..... 19, 20

Petrova Detelina 135

Petrova Nia..... 20

Petrova Stefani 19, 20

Petrović Luka.....68, 77, 85 109, 122, 144, 145, 148, 149, 151

Pflender Stephane45

Petrović Jovana 96

Pirrello Julien..... 14

Plećaš Milan..... 142

Politeo Olivera 146

Podolski Renić Ana..... 108

Popova V. Antoaneta55, 63, 64

Popržen Tatjana..... 100

Potěšil David..... 16

Prijović Mladen..... 123

Prokić Ljiljana.....83

Pržulj Novo..... 93

Putnik-Delić Marina65

R

Radan Mila 99

Radanović Aleksandra 74

Radin Ivan 70

Radić Velimir..... 74

Radović Ivana.....	62, 84
Radulović Olga	100
Rajković Dragana.....	74, 119, 120
Railić Ljupka	52, 53
Raičević Jovana	142
Rajčević Nemanja	114, 150
Rakić Tamara	46, 49, 139
Ranđelović Dragana	139
Raspor Martin	24, 104
Rašeta Sonja	101
Rebekić Andrijana	38
Regad Farid.....	14
Reimann Jakob.....	41
Rekanović Emil	113
Rensing Merlin	131
Rijo Patrícia	108
Rizou Myrto	11
Rogoll Anika	92
Rogova Mariya.....	135
Rudić Jelena	75
Rusanov Krasimir	28, 30
Rusanova Mila.....	28, 30
Ruščić Mirko	99, 146

S

Sabovljević Aneta.....	47, 48, 51, 103, 133
Sabovljević Marko	47, 48, 51, 103
Sajid Sumbal	24
Samardžić Jelena	54, 66, 67
Savić Jelena	24, 71, 76, 126
Savić Slađana	18, 62, 84
Sárvári Éva.....	55
Schmidt Anika	41
Schulze X. Waltraud	12
Sedlarević Zorić Ana.....	43, 67, 83
Serrano Marcos de Alberto	17
Shishkova Kalina.....	107, 124, 125

Shishkov Stoyan.....	107, 124, 125
Shkondrov Aleksandar	124
Shrivastava Jagriti	15
Sikora Vladimir.....	79
Simova Svetlana.....	105
Simova-Stoilova Lyudmila.....	56
Simonović Milica.....	80
Skaltsa Helen.....	90
Skorić Marijana	32, 68, 77, 109, 122, 126, 128, 136, 144, 145, 148, 149, 151
Smailagić Dijana	44, 72, 73, 81
Soković Marina	96
Soldo Barbara	99
Solti Ádám.....	55
Stamenković Nikola.....	60
Stanišić Mariana.....	44, 72, 73, 81
Stanley E. Claire	15
Stefanov Martin	63
Stevanović Strahinja.....	70, 95
Stojanov Nadežda	102
Stojanović Milica.....	18
Stoychev Svetozar.....	20
Stojšin Vera	91
Stikić Radmila	62
Stojković Dejan	77, 96, 112
Storm Carl	92
Stupar Sofija	71, 73, 76
Subotić Angelina	60

Š

Šajkunić Sanja.....	71
Šamec Dunja.....	78
Šefer Luka.....	113
Šesták Petr.....	16
Šešić Milica.....	98
Šiler Branislav.....	32, 68, 77, 122, 144, 145, 147, 148, 149, 151
Škondrić Siniša	98
Šuškalo Nevena.....	42

T

Takač Verica	74
Tančić Živanov Sonja.....	74
Tanović Brankica	113
Tarasjev Aleksej	140, 141, 147
Tardy Romane.....	45
Tarkovská Danuše	26
Taški-Ajduković Ksenija	106
Teofanova Denitsa	137
Timotijević Gordana	54, 70
Todorov Daniel	107, 124, 125
Todorovska Marija	110
Todorović Goran	97
Todorović Miloš.....	68, 77, 122, 126, 144, 145, 148, 149, 151
Todorović Slađana.....	22
Todorović Vida	21
Tomičić Marina	74
Tomou Michaela Ekaterina.....	90
Tosheva Anita	137
Trajković Milena	81
Trajkovska Martina.....	69
Trbić Goran	42
Trifković Jelena	29
Trifković Tanja	42, 98
Trifunović-Momčilov Milana.....	60
Trkulja Dragana	74, 120
Tsacheva Ivanka	105
Tsonev Tsonko	19, 20, 63
Tubić Ljiljana	71, 76
Tusevski Oliver.....	69, 110

U

Ugrinović Milan.....	31
----------------------	----

V

Vančetović Jelena.....	58, 61
Varnava Tello Antri	11

Vasilev Dimitar.....	64
Vasileva Ivanina.....	56
Vassileva Valya	17, 28, 135
Velikova Violeta	19, 20, 63
Velitchkova Maya.....	55, 63, 64
Veljić Milan.....	115
Veljović Jovanović Sonja.....	43, 57, 67, 83
Vidović Marija	43, 57, 66, 67, 83, 95
Vladkova Radka.....	63
Vogt Carla.....	92
Vujičić Milorad	47, 48, 51, 103, 133
Vujošević Bojana.....	119
Vukašinović Ivana.....	49
Vuko Elma	99
Vuleta Ana.....	138, 142, 143

W

Waisi Hadi.....	29
Wernerová Daša.....	12, 15
Wiggershaus Bastian.....	92
Wiche Oliver	39

Y

Ying Shiyu	14
Yocheva Lyubomira	135
Yordanova P. Zhenya	28, 30, 33, 105, 135

Z

Zacharieva Anna.....	30
Zagorchev Lyuben	137
Zanetti Federica	119
Zdráhal Zbyněk.....	16
Zein El Zeina	11
Zehirov Grigor	28
Zečević Veselinka.....	31, 84
Zeremski Tijana	74, 102
Zdravković-Korać Snežana	25, 26, 27, 134
Zhiponova Miroslava	28, 30, 33, 107, 125, 135

Zhivkovikj Ana.....	69
Zorić Miroslav	106
Zuber Jan.....	92

Ž

Žarković D. Lazar.....	114, 115
Živanov Dalibor.....	106
Živanović Bojana	43, 67, 83
Živanović Branka	44
Živković Suzana	109, 126, 128, 144, 149, 147
Živković Uroš.....	140, 141, 147
Župunski Milan.....	15

ORGANISERS



DONATOR



SPONSORS

