



## 2. Hrvatski simpozij o invazivnim vrstama 2<sup>nd</sup> Croatian Symposium on invasive species 21-22. November 2016. Hotel Dubrovnik, Zagreb, Croatia

**Monday 21<sup>st</sup> November – Hall Ban Jelačić**

08:30 – 09:30	Registration and poster setup
09:30 – 10:00	Opening of the Symposium
10:00 – 10:40	Keynote lecture  Ingolf Kühn INVASIVE PLANT SPECIES: JACKS-OF-ALL-TRAITS?
10:40 – 11:10	Coffe Break
11:10 – 12:40	<p>Chairperson: Nenad Jasprica</p> <p>11:10 <u>Ahmet Uludag</u>, Teodora Trichkova, Milica Rat, Rumen Tomov, Giuseppe Brundu, Vladimir Vladimirov, Riccardo Scalera, Quentin Groom, Piero Genovesi, Sven Bacher, Aljosa Duplic, Dan Cogalniceanu, Argyro Zenetos, Marc Kenis, Rob Tanner EUROPEAN UNION INVASIVE ALIEN SPECIES REGULATION AND THE POSSIBLE ROLE OF ESENIAS FOR IMPLEMENTATION IN THE REGION</p> <p>11:25 <u>Sonja Desnica</u>, Vesna Vrdoljak, Igor Boršić, Petra Kutleša, Martina Cigrovski Mustafić, Sandra Slivar EU REGULATION ON INVASIVE ALIEN SPECIES – CROATIAN PERSPECTIVE</p> <p>11:40 <u>Andrej Verlič</u>, Jana Kus-Veenvliet, Maarten de Groot LIFE ARTEMIS – Awareness Raising, Training and Measures on Invasive Alien Species in forests</p> <p>11:55 <u>Jana Kus Veenvliet</u>, Paul Veenvliet, Nejc Jogan DETECTING THE INVASIVE GIANT HOGWEED (<i>Heracleum mantegazzianum</i>) THROUGH MEDIA ALERTS</p> <p>12:10 <u>Ivana Maguire</u>, Mišel Jelić, Göran I. V. Klobučar, Andreja Lucić, Krešimir Žganec, Matej Faller, Gordan Hudina, Sandra Hudina HISTORY OF THE ALIEN INVASIVE FRESHATER CRAYFISH IN CROATIA</p> <p>12:25 <u>Božena Mitić</u>, Igor Boršić, Toni Nikolić A DECADE OF AWARENESS OF REALITY: INVADERS IN CROATIAN FLORA</p>
12:40 – 14:30	Lunch Break
14:30 – 15:45	<p>Chairperson: Ivana Maguire</p> <p>14:30 <u>Sven D. Jelaska</u>, Toni Nikolić ANALYSING THE DISTRIBUTION OF INVASIVE PLANTS IN CROATIA – DO WE NEED MORE OR (JUST) BETTER DATA?</p>

	<p>14:45 <u>Manuela Giovanetti</u>, Claudia Giuliani, Nina Vuković, Sven D. Jelaska, Marta Mariotti Lippi, Bruno Foggi, Cristina Máguas HOW DO ACACIAS MATCH WITH NATIVE POLLINATORS IN INVADED AREAS? DIFFERENCES AND SIMILARITIES AMONG ITALY, CROATIA AND PORTUGAL</p> <p>15:00 <u>Dinka Matošević</u>, George Melika, Katarina Kos, Mojca Rot, Nikola Lacković, Eva Kriston, Miklos Boszo HOW TO CONTROL AN INVASIVE FOREST PEST? BIOLOGICAL CONTROL OF INVASIVE <i>Dryocosmus kuriphilus</i> WITH INTRODUCED PARASITOID <i>Torymus sinensis</i> IN CROATIA, SLOVENIA AND HUNGARY</p> <p>15:15 <u>Ante Žuljević</u>, Boris Antolić, Marija Despalatović, Ivan Cvitković, Petra Lučić HOT-SPOT AREAS OF BENTHIC NONINDIGENOUS SPECIES IN THE ADRIATIC SEA (CROATIA)</p> <p>15:30 <u>Jakov Dulčić</u>, Branko Dragičević THE CURRENT STATUS OF THE ADRIATIC AND MEDITERRANEAN FISH BIODIVERSITY</p>
15:45 – 16:45	Poster Session & Coffe Break
16:45 – 18:15	<p>Chairperson: Ante Žuljević</p> <p>16:45 <u>Nina Sajna</u>, Tamara Karlo TESTING THE DIVERSITY RESISTANCE HYPOTHESIS – STABILITY OF UNDERSTOREY BIODIVERSITY AFTER MAJOR DISTURBANCE</p> <p>17:00 <u>Marcela van Loo</u>, Renata Milcevicova, Michael Barfuss GEOGRAPHIC ORIGIN AND GENETIC STRUCTURE OF PLANTED <i>Ailanthus</i> IN VIENNA (AUSTRIA)</p> <p>17:15 <u>Andraž Čarni</u>, Nina Juvan Mastnak, Igor Dakskobler, Lado Kutnar, Aleksander Marinšek, Urban Šilc PREDICTION OF THE APPEARANCE OF TREE OF HEAVEN IN FOREST COMMUNITIES IN WESTERN SLOVENIA</p> <p>17:30 <u>Igor Boršič</u>, Petra Kutleša, Sonja Desnica, Sandra Slivar INVASIVE POTENTIAL OF GOLDENRAIN TREE (<i>Koelreuteria paniculata</i> Laxm., Sapindaceae) - A CASE STUDY FROM THE CITY OF ZAGREB</p> <p>17:45 Ana Ostojić, <u>Nela Jantol</u>, Zrinka Mesić, Tena Birov, Ana Selak, Davor Korman, Vladimir Kušan <i>Paulownia tomentosa</i> - THE QUIET INVADER?</p> <p>18:00 Antun Alegro, Vedran Šegota, <u>Nina Vuković</u> DIVERSITY OF INVASIVE PLANTS ON MEDVEDNICA Mt (CROATIA)</p>
19:30 - 22:00	<p>Beervasive evening Pivnica Medvedgrad – Ilica 49</p>

**Tuesday 22<sup>nd</sup> November – Hall Ban Jelačić**

08:30 – 09:00	Registration
09:00 – 09:40	Keynote lecture  Franz Essl THE MACROECOLOGY OF BIOLOGICAL INVASIONS: WHAT GLOBAL DATABASES TELL US?
09:40 – 10:25	<p>Chairperson: Sven Jelaska</p> <p>09:40 <u>Krešimir Žganec</u>, Renata Ćuk, Svjetlana Dekić ALIEN FRESHWATER CRUSTACEANS (PERACARIDA: MALACOSTRACA) IN CROATIA – CHECKLIST, DISTRIBUTION AND PRELIMINARY IMPACT ASSESSMENT</p> <p>09:55 <u>Sandra Hudina</u>, Nika Galić, Petra Kutleša, Sonja Desnica POTENTIAL FOR CONTROL OF THE INVASIVE SIGNAL CRAYFISH (<i>Pacifastacus leniusculus</i>) IN A RECENTLY INVADDED REGION IN CROATIA</p> <p>10:10 <u>Lana Jelić</u>, Biljana Janev Hutinec, Dušan Jelić REPRODUCTIVE BIOLOGY OF <i>Trachemys scripta</i> (Schoepff, 1792) IN CONTINENTAL CROATIA</p>
10:25 – 10:55	Coffe Break
10:55 – 12:10	<p>Chairperson: Mitja Kaligarič</p> <p>10:55 <u>Tina Fazinić</u>, Željko Tomić, Zdravka Sever, Tihomir Miličević, Dario Ivić JUMPING ACROSS ATLANTIC OCEAN - NORTH AMERICAN PLANT PATHOGENIC FUNGI INVADING CROATIA</p> <p>11:10 <u>Nataša Janev Holcer</u>, Pavle Jeličić, Krunoslav Capak, Ana Klobučar, Nediljko Landeka, Toni Žitko, Enrih Merdić, Ivana Vručina, Nataša Turić, Marko Klemenčić, Magdalena Sikora, Ivan Trumbetić IMPLEMENTATION OF THE NATIONAL MONITORING OF INVASIVE MOSQUITOE SPECIES IN CROATIA</p> <p>11:25 V. Rakoš, <u>Maja Šćepanović</u>, A. Pintar, Klara Barić QUANTITATIVE ANALYSIS OF <i>Abutilon theophrasti</i> Medik. EMERGENCE FROM BURIED SEED WITH INCREASING SOIL DEPTH</p> <p>11:40 <u>Valentina Šoštarčić</u>, Maja Šćepanović, Dario Magosso, Roberta Masin, Klara Barić ESTIMATION OF BIOLOGICAL PARAMETERS FOR GERMINATION OF <i>Abutilon theophrasti</i> Medik.</p> <p>11:55 <u>Gábor Véték</u>, Dávid Korányi SEVERE DAMAGE TO VEGETABLES BY THE BROWN MARMORATED STINK BUG (<i>Halyomorpha halys</i>) IN HUNGARY</p>
12:10 – 14:00	Lunch Break

14:00 – 15:00	<p>Chairperson: Biljana Janev Hutinec</p> <p>14:00 Gábor Vétek, Ágnes Kákai, Mária Szántóné Veszelka, Zsolt Kárpáti, Béla Péter Molnár, <u>Balázs Kiss</u> SEVERE DAMAGE TO RASPBERRY CAUSED BY DROSOPHILA SUZUKII IN HUNGARY IN 2016</p> <p>14:15 Pavao Gančević, Klemen Jerina, Toni Safner, <u>Nikica Šprem</u> SPACE USE AND ACTIVITY PATTERNS OF BARBARY SHEEP IN MOSOR MOUNTAIN</p> <p>14:30 <u>Aleksander Marinšek</u>, Lado Kutnar INVASIVE ALIEN PLANT SPECIES IN NATURAL HABITATS IN THE RIPARIAN FORESTS ALONG MURA RIVER</p> <p>14:45 <u>Najla Baković</u>, Roman Ozimec, K. Vugrek Petljak, T. Ban Čurić LAMPENFLORA REMOVAL AND APPLIED CONSERVATION METHODS IN VETERNICA CAVE (NATURE PARK MEDVEDNICA, CROATIA)</p>
15:00 – 15:45	Poster Session & Coffe Break
15:45 – 17:00	<p>Chairperson: Dinka Matošević</p> <p>15:45 <u>Ivan Kurtek</u>, Željko Zahirović, Nataša Turić, Ivana Vručina, Goran Vignjević, Enrih Merdić, Mirta Sudarić Bogojević INVASIVE ASIAN SEED BEETLE <i>Megabruchidius tonkineus</i> (Coleoptera, Chrysomelidae, Bruchinae) FIRST RECORD IN CROATIA</p> <p>16:00 <u>Ana Klobučar</u>, Sunčica Petrinić, Vanja Tešić, Ivan Lipovac, Sanja Mitrović-Hamzić, Vanja Slavić-Vrzić, Snježana Čopor, Biserka Hranilović, Nediljko Landeka, Tatjana Vilibić-Čavlek, Enrih Merdić <i>Aedes japonicus</i> - THE NEW INVASIVE MOSQUITO SPECIES SPREADING IN CROATIA</p> <p>16:15 <u>Milivoj Franjević</u>, Milan Pernek, Darko Posarić, Dina Banović, Boris Hrašovec RAPID SPREAD AND FIRST DATA ON DAMAGE LEVELS AND LIFE CYCLE OF <i>Corythucha arcuata</i> (Heteroptera, Tingidae) IN CROATIA</p> <p>16:30 <u>Necmi AKSOY</u>, Ahmet ULUDAĞ NEW RECORDS AND DISTRIBUTION OF VASCULAR PLANTS ALIEN TO NORTHERN REGIONS OF TURKEY</p> <p>16:45 <u>Aljoša Duplić</u>, Vedran Slijepčević, Nina Popović, Paul Jedriško FIRST RECORD OF THE RACCOON DOG (<i>Nyctereutes procyonoides</i>) IN THE CROATIAN PARTS OF DINARIDES</p>
17:00 - 17:15	Closing of the Symposium

## List of poster presentations - Hall „Ban Zrinski“

1. Marina Škunca, Luka Škunca, Hrvoje Peternel  
INVASIVE ALIEN SPECIES IN ENVIRONMENTAL IMPACT ASSESSMENTS: A PRELIMINARY ANALYSIS OF THE ENTANGLED RELATIONSHIP
2. Marijeta Čalić, Stjepo Ljubimir, Sunčica Bosak  
UNUSUAL OCCURENCE OF TROPICAL PLANKTONIC DIATOM SPECIES OF THE GENUS *CHAETOCEROS* IN THE SOUTH ADRIATIC SEA
3. Ana Car, Andrzej Witkowski, Nenad Jasprica  
TAXONOMIC COMPOSITION OF EPIPHYTIC DIATOMS FROM AREAS AFFECTED BY INVASIVE *MACROALGAE CAULERPA TAXIFOLIA* AND *CAULERPA CYLINDRACEA* (ADRIATIC SEA, CROATIA)
4. Rade Garić, Mirna Batistić  
FIRST RECORD OF *FRITILLARIA HELENAE* IN THE MEDITERRANEAN SEA
5. Tatjana Bakran-Petricioli, Ante Žuljević, Donat Petricioli, Silvija Kipson  
TWO ALIEN BENTHIC INVERTEBRATES IN THE CENTRAL ADRIATIC SEA - ARE THEY INVASIVE?
6. Jasna Lajtner, Petar Crnčan, Renata Ćuk, Svjetlana Dekić, Sanja Gottstein, Sandra Hudina, Simona Kovačević, Andreja Lucić, Momir Paunović, Vladica Simić, Jelena Tomović, Krešimir Žganec  
DISTRIBUTION OF THE INVASIVE ALIEN BIVALVE *CORBICULA FLUMINEA* (Müller, 1774) IN CROATIA
7. Lea Ljubej, Ivana Maguire, Sandra Hudina, Emina Horvat Velić, Ana Bielen  
DEVELOPMENT OF A NONINVASIVE METHOD FOR DETECTION OF *Aphanomyces astaci*, THE CAUSATIVE AGENT OF CRAYFISH PLAGUE
8. Ivana Šarić, Sven Kapelj, Ivan Katanović, Sandra Hudina  
MONITORING AND CONTROL OF THE INVASIVE SIGNAL CRAYFISH (*Pacifastacus leniusculus*) IN THE KORANA RIVER
9. Marina Piria, Divna Lukić, Tatjana Boroša-Pecigoš  
FRESHWATER ALIEN FISH SPECIES INTRODUCED INTO CROATIA FOR AQUACULTURE AND CONSEQUENCES OF THEIR ESCAPES AND RELEASES IN INLAND WATERS
10. Paolo Pastorino, Elisabetta Pizzul, Erika Astrid Virginie Burioli, Marzia Righetti, Antonia Concetta Elia, Gilberto Forneris, Roberto Sindaco, Marino Prearo  
THE INTRODUCTION OF SALMONIDS IN SOME ALPINE LAKES OF PIEDMONT (ITALY): A SERIOUS THREAT TO AQUATIC BIODIVERSITY
11. Mimi Kratovalieva-Stanikevska, Stoe Smiljkov, Suzana Kratovalieva  
MONITORING OF SAN JOSE SCALE (*QUADRASPIDIOTUS PERNICIOSUS*) OCCURRENCE IN REPUBLIC OF MACEDONIA
12. Gábor Véték, Dénes Bartha, Richárd Oláh  
OCCURRENCE OF THE INVASIVE ZIGZAG ELM SAWFLY (*APROCEROS LEUCOPODA*) IN ARBORETUMS AND BOTANICAL GARDENS OF HUNGARY

13. George Melika, Dinka Matošević, Eva Kriston, Nikola Lacković, Katarina Kos, Gabrijel Seljak, Mojca Rot, Laszlo Krizbai, Miklos Bozsó  
NATIVE PARASITOID ASSEMBLAGES OF AN INVASIVE PEST, *DRYOCOSMUS KURIPHILUS* (HYMENOPTERA: CYNIPIDAE), IN SLOVENIA, CROATIA AND HUNGARY
14. Ivan Lukić, Dinka Matošević, Nikola Lacković, Sanja Mrmić, Milan Pernek  
BOX TREE MOTH (*CYDALIMA PERSPECTALIS*) BIOLOGY AND INFLUENCE OF DIFFERENT FOOD TYPE ON DEVELOPMENTAL CHARACTERISTICS
15. Maja Pintar, Mladen Šimala, Tatjana Masten Milek, Vjekoslav Markotić  
MORPHOLOGY AND DISTRIBUTION OF INVASIVE *Acizzia jamatonica* (KUWAYAMA, 1908) IN CROATIA
16. Mojca Rot, Ivan Žežlina, Gabrijel Seljak  
POPULATION DYNAMICS OF SPOTTED WING DROSOPHILA (*Drosophila suzukii*) IN SLOVENIA IN THE PERIOD OF 2011-2016
17. Ivana Pajač Živković, Božena Barić, Milorad Šubić, Aleksandar Mešić  
THE SPREAD OF *Drosophila suzukii* (MATSUMURA, 1931) IN NORTHWESTERN CROATIA
18. Nenad Jasprica, Katija Dolina  
THE INVASION OF THE EUROPEAN RABBIT (*Oryctolagus cuniculus* L., 1758) ON THE LOKRUM ISLAND – AN EXAMPLE OF POOR MANAGEMENT OF THE PROTECTED AREA
19. Katija Dolina, Nenad Jasprica  
IS THERE RELATIONSHIP BETWEEN ANTHROPOGENIC INFLUENCE AND PRESENCE OF ALIEN PLANT TAXA ON THE ISLAND OF LOKRUM?
20. Nina Sajna, Kristijan Adamlje, Mitja Kaligarič  
*Dittrichia graveolens* – HOW DOES SOIL SALINITY DETERMINE DISTRIBUTION, MORPHOLOGY, AND REPRODUCTIVE POTENTIAL?
21. Dmytro Iakushenko, A. Tokaryuk, I. Matchutadze  
INVASIVE BEACH VITEX (*Vitex rotundifolia*) ON COASTAL DUNES OF KOLKHETI LOWLAND (GEORGIA)
22. Stešević Danijela, Milica Luković, Caković Danka, Nemanja Ružić, Bujanja Nada, Šilc Urban  
ALIEN SPECIES IN SAND DUNE PLANT COMMUNITIES ON VELIKA PLAŽA IN ULCINJ (MONTENEGRO)
23. Urban Šilc, Filip Kūzmič  
ALIEN SPECIES INVASION IN DIFFERENT HABITATS: THE CASE OF SLOVENIA
24. Jasna Razlog-Grlica, Božena Mitić, Nataša Kletečki, I Grlica  
INVASIVE FLORA OF RIVER AND STREAM BANKS IN CONTINENTAL CROATIA
25. Marko Ožura, Lucija Vargović, Gordana Purgar  
OVERVIEW OF INVASIVE WOODY SPECIES IN HORTICULTURAL AREAS OF KARLOVAC
26. Valentina Borak Martan, Renata Šoštarić  
INVASIVE FLORA OF THE CITY OF VARAŽDIN

27. Emina Ademović, Senka Barudanović, Samir Đug, Arnela Selimić, Merima Imamović, Alma Avdibašić, Ajla Podrug, Aldin Boškailo, Ermin Mašić  
INVASIVE FLORA IN THE WIDER AREA OF THE TOWN OF STOLAC (BOSNIA AND HERZEGOVINA)
28. Senka Barudanović, Emina Ademović, Merima Imamović, Alma Avdibašić, Arnela Selimić, Ajla Podrug, Ermin Mašić, Aldin Boškailo, Armin Macanović  
DISTRIBUTION OF INVASIVE ALIEN SPECIES *Reynoutria japonica* HOUTT. IN BOSNIA AND HERZEGOVINA
29. Diana Vlahović, Božena Mitić  
THE SPREAD OF THE INVASIVE SPECIES *Helianthus tuberosus* L. IN THE URBAN AREAS OF SAMOBOR
30. Milena Popov, Bojan Konstantinović., Milan Blagojević, Nataša Samardžić  
SPREAD OF INVASIVE WEED SPECIES *Asclepias syriaca* L. IN VOJVODINA
31. Renata Čušterevska  
NEW LOCALITY OF *Azolla filiculoides* IN REPUBLIC OF MACEDONIA
32. Ahmet Ilcim, Ahmet Uludag, İlhan Uremis  
NEW RECORDS OF *Solanum elaeagnifolium* Cav. FROM TURKEY
33. Jelena Knežević, Boris Radak, Milica Rat  
*Sigesbeckia orientalis* L. (ASTERACEAE) - NEW ALIEN PLANT SPECIES IN THE LOWER SAVA BASIN
34. Dario Hruševar, Dalibor Vladović, Božena Mitić, Nediljko Ževrnja  
*Convolvulus sabatius* – JUST A CASUAL ALIEN PLANT IN DALMATIA OR...?
35. Boris Radak, Nikola Todorović, Bojana Bokić, Milica Rat, Goran Anačkov  
*Impatiens balfourii* HOOK. F. 1903 (BALSAMINACEAE) IN SERBIA
36. Boris Radak, Milica Rat, Slobodan Bojčić, Bojana Bokić, Goran Anačkov  
CONTRIBUTION TO THE ALIEN FLORA OF MONTENEGRO
37. Sava Vrbničanin, Dragana Božić, Danijela Pavlović, Ana Anđelković  
INVASIVE WEED SPECIES IN THE TERRITORY OF SERBIA
38. Marija Pandža, Milenko Milović, Nenad Jasprica, Katija Dolina  
ALIEN PLANT TAXA IN THE ŽUPA DUBROVAČKA REGION, SOUTH CROATIA
39. Mirko Ruščić, Ljerka Marković, Jasenka Topić, Semir Maslo  
SPREAD OF THREE ADVENTITIOUS SPECIES IN THE CROATIAN FLORA