

Programme of the 5th Croatian Symposium on Invasive Species

Monday 27th November

08:30 – 09:30	Registration and poster setup
09:30 – 10:00	Opening of the Symposium
10:00 – 10:45	Keynote lecture Luke Flory (K1) INVASIVE PLANTS AND GLOBAL CHANGE DRIVERS INTERACT TO ALTER COMMUNITIES AND ECOSYSTEMS
10:45 – 11:15	Coffee Break
11:15 – 12:45	Chairperson: Božena Mitić 11:15 <u>Montserrat Vilà</u> , Alejandro Trillo, Pilar Castro-Díez, Belinda Gallardo, Sven Bacher (O1) IMPACTS BY INVASIVE PLANT SPECIES IN EUROPE 11:30 <u>Ali Omer</u> , Franz Essl, Stefan Dullinger, Bernd Lenzner, Adrián García-Rodríguez (O2) INVASION RISK OF THE CURRENTLY CULTIVATED ALIEN FLORA IN SOUTHERN AFRICA IS PREDICTED TO DECLINE UNDER CLIMATE CHANGE 11:45 <u>Tanja Mihinjač</u> , Vesna Tatalović, Josipa Perković, Valentina Borak Martan, Miloš Martinović (O3) LIFE CONTRA <i>Ailanthus</i> – ESTABLISHING CONTROL OF INVASIVE ALIEN SPECIES <i>Ailanthus altissima</i> IN CROATIA 12:00 Maarten de Groot, Erika Kozamernik, Janez Kermavnar, Marija Kolšek, <u>Aleksander Marinšek</u> , Andreja Repe, Lado Kutnar (O4) MODELLING THE POTENTIAL SPATIAL DISTRIBUTION OF INVASIVE PLANT IN SLOVENIAN FORESTS: A RISK MAP OF <i>Phytollaca americana</i> 12:15 <u>Janez Kermavnar</u> , Lado Kutnar (O5) RESURVEY OF VEGETATION PLOTS IN OAK FORESTS (SLOVENIA) REVEALS INCREASING SPREAD OF NEOPHYTES 12:30 Monika Cindrić, Mihaela Mesarić, Sara Srša, <u>Ivana Horvat</u> (O6) FIRST RECORD OF <i>Pistia stratiotes</i> AND NEW RECORDS FOR <i>Heracleum mantegazzianum</i> IN MEDIMURJE COUNTY (CROATIA)
12:45 – 14:30	Lunch Break
14:30 – 15:15	Keynote lecture Johanna Witzell (K2) INVASIVE PESTS AND PATHOGENS AS ARCHITECTS OF FUTURE FORESTS

15:15 – 16:00	Chairperson: Dinka Matošević 15:15 <u>Dinka Matošević</u> , Johanna Witzell, Benno Andreas Augustinus, Martina Kičić, Mariella Marzano (O7) Urban Tree Guard - SAFEGUARDING EUROPEAN URBAN TREES AND FORESTS THROUGH IMPROVED BIOSECURITY 15:30 <u>Francis Maire</u> (O8) CANKER STAIN DISEASE: A THREAT TO PLANE TREE (<i>Platanus</i> sp.) POPULATIONS 15:45 <u>Nina Šajna</u> , Mirjana Šipek, Eva Horvat, Željka Zgorelec, Aleksandra Perčin (O9) EDGE EFFECTS IN FOREST FRAGMENTS EMBEDDED IN THE HUMAN-DOMINATED LAND
16:00 – 16:45	Poster Session & Coffee Break
16:45 – 18:15	Chairperson: Nenad Jasprica 16:45 <u>Petra Kutleša</u> , Una Mršić, Zrinka Domazetović (O10) EFFECTIVE MANAGEMENT OF FUTURE BIOLOGICAL INVASIONS – SUPPORT AND IMPLEMENTATION OF POLICY IN CROATIA 17:00 <u>Patrizia Digiovinazzo</u> , Mattia Bertocchi, Sergio Canobbio, Fabrizio Oneto, Dario Kian (O11) THE PARTICIPATIVE APPROACH OF THE LIFE IP GESTIRE 2020 PROJECT FOR THE CONTROL OF INVASIVE SPECIES IN THE LOMBARDY REGION, ITALY 17:15 <u>Una Mršić</u> , Petra Kutleša, Zrinka Domazetović (O12) MANAGEMENT ACTIONS FOR CONTROLLING POPULATIONS OF PRIORITY INVASIVE ALIEN SPECIES IN CROATIA 17:30 <u>Božena Mitić</u> , Dinka Matošević, Petra Kutleša, Diana Vlahović, Dario Hruševar, Martina Cigrovski Mustafić, Valentina Borak Martan, Dalibor Vladović, Igor Boršić (O13) FUN WITH BENEFITS - IAS BIOBLITZ IN CROATIA 17:45 <u>Valerija Hima</u> , Valentina Borak Martan, Martina Cigrovski Mustafić, Tanja Mihinjač (O14) CODES OF CONDUCT – A WAY TO PREVENT THE INTRODUCTION AND CONTROL SPREAD OF IAS 18:00 Sonja Rozman, <u>Ana Dolenc</u> (O15) PRESENTATION OF NEW PROJECT LIFE ORNAMENTALIAS
19:00 – 22:00	Beervasive evening

Tuesday 28th November

08:30 – 09:00	Registration	
09:00 – 10:30	Chairperson: Ante Žuljević	
09:00	Ante Žuljević, Petra Lučić, Ivan Cvitković, Marija Despalatović (O16) MARINE BROWN ALGAE <i>Stypopodium schimperi</i> IS GOING TO BE THE MOST INVASIVE ALIEN SPECIES IN THE ADRIATIC SEA	
09:15	Nikola Zorić, Tomislav Krcivoj, Andrija Jukić, Dinka Matošević (O17) PEST ON THE MOVE: FIRST RECORD OF CITRUS LONGHORN BEETLE (<i>Anoplophora chinensis</i>) IN FOREST AREA IN CROATIA	
09:30	Najla Baković, Dorotea Kiš, Daniela Klaić Jančijev, Ema Svirčević, Tajana Uzelac Obradović (O18) A CONTRIBUTION TO THE KNOWLEDGE OF THE DISTRIBUTION OF <i>Ophraella communa</i> IN SAMOBOR MUNICIPALITY (ZAGREBAČKA COUNTY, CROATIA)	
09:45	Ivan Budinski, Ivana Selanec, Gjorge Ivanov, Ivan Grubišić, Matija Marek (O19) THREE INVASIVE SPECIES OF SMALL CARNIVORES IN CROATIA; PRESENCE AND CONTROL	
10:00	Matej Vucić, Ivan Špelić, Tanja Mihinjač, Ivan Beno, Dušan Jelić (O20) THE OCCURRENCE OF INVASIVE FISH SPECIES IN THE KRKA RIVER	
10:15	Sanja Gottstein, Franka Prevedan, Zlatko Mihaljević (O21) AMPHIPOD INVASION PATHWAYS IN THE HYDROELECTRIC POWER PLANT SYSTEMS OF THE DRAVA RIVER, CROATIA	
10:30 – 11:15	Poster Session & Coffee Break	
11:15 – 12:00	Keynote lecture Denis Kutnjak (K3) NOVEL APPROACHES FOR DISCOVERY AND DETECTION OF MICROBES ASSOCIATED WITH INVASIVE ALIEN SPECIES	
12:00 – 12:30	Chairperson: Sandra Hudina	
12:00	Ljudevit Luka Boštjančić, Caterina Francesconi, Lena Bonassin, Christelle Rutz, Odile Lecompte, Miklós Bálint, Kathrin Theissinger (O22) ARE RNA VIRUSES A NOVEL THREAT FOR NATIVE FRESHWATER CRAYFISH POPULATIONS?	
12:15	Caterina Francesconi, Ljudevit Luka Boštjančić, Lena Bonassin, Leonie Schardt, Christelle Rutz, Odile Lecompte, Miklós Bálint, Klaus Schwenk, Kathrin Theissinger (O23) CHARACTERISATION OF PATHOGENICITY FACTORS OF A COLLECTION OF <i>Aphanomyces astaci</i> STRAINS	
12:30 – 14:15	Lunch Break	12:30 – 13:15 Round Table (In Croatian) „OD EGZOTIČNOG DO INVAZIVNOG“ Odgovorno vlasništvo – važna karika u kontroli IAS

14:15 – 15:30	Chairperson: Ivana Maguire
14:15	Lukáš Veselý, Fabio Ercoli, Martin Bláha, Timo J. Ruokonen, Antonín Kouba, Miloš Buřič (O24) INVASIVE SIGNAL CRAYFISH MODIFIED TROPHIC NICHE WIDTH AND FOOD SOURCE UTILIZATION OF NOBLE CRAYFISH IN SYMPATRIC LOCALITY
14:30	Filip Ložek, Marek Let, Antonín Kouba, Miloš Buřič, Martin Bláha (O25) OVERLOOKED BIODIVERSITY DEPLETION: SIGNAL CRAYFISH AS A MENACE FOR EUROPEAN ECTOSYMBIONT
14:45	Michael O. Aluma, Katrin Kaldre, Lilian Pukk (O26) eDNA-BASED DETECTION OF <i>Astacus astacus</i> , <i>Aphanomyces astaci</i> AND INVASIVE ALIEN CRAYFISH SPECIES IN ESTONIAN WATER BODIES
15:00	András Weiperth, Martin Bláha, Zsombor M. Bányai, Árpád Ferincz, Jiří Patoka, Béla Urbányi, Antonín Kouba (O27) “NEW KIDS ON THE BLOCK”: CRAB SPECIES INTRODUCTIONS APPEAR IN EUROPEAN INLAND WATERS
15:15	Jernej Košir, Nina Šajna (O28) NEW OCCURRENCES AND THE LATEST REPORTS ON THE DISTRIBUTION OF THE NORTH-AMERICAN SIGNAL CRAYFISH IN RIVER DRAVA IN SLOVENIA
15:30 – 16:00	Coffee Break
16:00 – 16:45	Chairperson: Sanja Gottstein
16:00	Sandra Hudina, Nina Marn, Ines Haberle, Ana Dobrović, Tin Klanjšček (O29) COMPARISON OF PHYSIOLOGICAL PERFORMANCE BETWEEN INVASIVE AND NATIVE CRAYFISH SPECIES IN A CHANGING ENVIRONMENT
16:15	Luka Petrokov, Sandra Hudina, Ivana Maguire, Paula Dragičević, Leona Lovrenčić, Dora Pavić, Kathrin Theissinger, Ljudevit Luka Boštjančić, Lena Bonassin, Caterina Francesconi, Ana Bielen (O30) OOMYCETE ISOLATES ORIGINATING FROM THE CUTICLE OF NATIVE AND INVASIVE CRAYFISH SPECIES IN CROATIA
16:30	Matej Vucić, Ivana Maguire, Leopoldina Dakić, Sandra Hudina (O31) FIRST APPLICATION OF ENVIRONMENTAL DNA FOR THE DETECTION OF INVASIVE SIGNAL CRAYFISH IN CROATIA
16:45 - 17:00	Closing of the Symposium

POSTERI / POSTERS

1. Ivan Špelić, Marina Piria
OCCURRENCE OF TWO INVASIVE FRESHWATER FISH SPECIES *Pseudorasbora parva* AND *Lepomis gibbosus* IN LOWLAND STREAMS AND CANALS
2. Ivan Darko Grlica, Ivan Grlica
INVASIVE FISH SPECIES OF THE VILLAGE KRIŽNICA
3. Krešimir Žganec, Damir Valić, Tomislav Kralj, Jasna Lajtner, Leopoldina Dakić, Mišel Jelić
INVASIVE MOLLUSCS, FISH AND CRAYFISH IN THE DOBRA RIVER BASIN (CROATIA)
4. Mattia Bertocchi, Patrizia Digiovinazzo, Sergio Canobbio, Fabrizio Oneto, Dario Kian
A REGIONAL STRATEGY FOR THE CONTRASTING OF ALIEN CRAYFISH SPECIES: THE APPROACH OF THE LOMBARDY REGION, NORTHERN ITALY
5. Ivana Maguire, Riho Gross, Vinka Sambolec Škerbić, Leona Lovrenčić
DOES CRAYFISH PLAGUE OUTBREAK SIGNIFICANTLY INFLUENCE THE GENETIC DIVERSITY OF A NOBLE CRAYFISH POPULATION?
6. Zrinka Domazetović, Una Mršić, Petra Kutleša
CONTROL AND SANCTIONING OF ILLEGAL ACTIVITIES WITH INVASIVE ALIEN SPECIES FROM THE UNION LIST IN CROATIA
7. Nataša Bušić, Ivana Vrućina, Goran Vignjević, Željko Zahirović, Enrih Merdić
CITIZEN SCIENCE - THE INVASIVE ASIAN TIGER MOSQUITO BRINGS SCIENCE TO THE PUBLIC
8. Bruna Žižanović, Dora Bjedov, Alma Mikuška, Mirta Sudarić Bogojević
APPLICATION OF STANDARD AND MODIFIED OVIPOSITION TRAPS IN THE MONITORING OF INVASIVE MOSQUITO SPECIES IN SLAVONSKI BROD
9. Eva Horvat, Taja Nardin, Mirjana Šipek, Nina Šajna
MORPHOLOGICAL VARIABILITY AND SEXUAL SIZE DIMORPHISM OF BALKAN POPULATIONS OF SEED BEETLE *Megabruchidius dorsalis*
10. Lucija Šerić Jelaska, Paula, Šašić
INVASIVE ALIEN SPECIES IN MEDITERRANEAN AGRICULTURE IN ZADAR COUNTY REVEALED BY PREDATORY ARTHROPODS AND DETECTED USING eDNA TECHNIQUE
11. Nediljko Landeka, Barbara Sladonja, Maja Cvek, Danijela Poljuha, Mirela Uzelac
STATUS OF INVASIVE ASIATIC STRING COTTONY SCALE *Takahashia japonica* IN THE WIDER PULA AREA
12. Jakov Dulčić, Branko Dragičević
ADDITIONAL RECORD OF THE LIONFISH *Pterois miles* IN CROATIAN WATERS (EASTERN ADRIATIC): ARE THERE ANY REASONS FOR CONCERN?
13. Valter Kožul, Nenad Antolović, Nikša Glavić
LESSEPSIAN MIGRANT DUSKY SPINEFOOT *Siganus luridus* FROM SOUTH ADRIATIC SEA
14. Mišo Pavičić, Branko Dragičević, Nika Stagličić, Sanja Matić-Skoko
INTERDISCIPLINARY ASSESSMENT OF THE POPULATION STATUS OF *Callinectes sapidus* IN THE ADRIATIC SEA
15. Sandro Dujmović, Neven Iveša, Luka Meštrovic, Svjetlana Lupret Obradović, Claudia Fiorentin, Andrea Deklić, Matej Čief, Moira Buršić, Paolo Paliaga
OCCURRENCE OF THE INVASIVE BLUE CRAB *Callinectes sapidus* ALONG THE WESTERN COAST OF ISTRIA
16. Neven Iveša, Matej Čief, Moira Buršić, Svjetlana Lupret Obradović, Luka Meštrovic, Claudia Fiorentin, Marina Piria, Paolo Paliaga, Andrea Deklić
PRELIMINARY DATA ON THE DIET OF THE INVASIVE ATLANTIC BLUE CRAB (*Callinectes sapidus*) IN THE SPECIAL ORNITHOLOGICAL RESERVE PALUD - PALŪ IN ISTRIA
17. Mirna Batistić, Rade Garić, Marijana Hure
OCCURRENCE OF WARM-WATER AFFINITY GELATINOUS ZOOPLANKTON SPECIES IN THE ADRIATIC SEA IN THE LAST THREE DECADES
18. Marijana Hure, Rade Garić, Ana Baričević, Mirta Smodlaka Tanković
APPLICATION OF METABARCODING IN DETECTING NON-INDIGENOUS COPEPOD *Pseudodiaptomus marinus*
19. Rade Garić, Mirna Batistić, Marijana Hure, Ana Baričević, Mirta Smodlaka Tanković, Marcell Dénes
APPLICATION OF METABARCODING IN DETECTING NON-INDIGENOUS ZOOPLANKTON SPECIES IN THE ADRIATIC
20. Nika Pasković
WHAT IS THE ORIGIN OF THE RARE DINOFLAGELLATES IN THE SOUTHERN ADRIATIC SEA IN 2023?
21. Barbara Tokarska-Guzik, Katarzyna Bzdęga, Alina Urbisz, Zygmunt Dajdok
IS THE NUMBER OF ALIEN PLANT SPECIES IN REGIONAL FLORAS OF POLAND STILL INCREASING?
22. Katarzyna Bzdęga, Alina Urbisz, Anna Sołtys-Lelek, Jarosław Sochacki, Jacek Borek, Barbara Tokarska-Guzik
THE IMMEDIATE SURROUNDINGS AS A SOURCE OF THE GROWING THREAT POSED BY INVASIVE ALIEN PLANT SPECIES TO PROTECTED AREAS – A CASE STUDY FROM THE EXAMPLE OF TWO POLISH NATIONAL PARKS
23. Mirjana Šipek, Maja Kreća, Nina Šajna
RESPONSE OF THE INVASIVE ALIEN PLANT *Duchesnea indica* TO COMPETITION, LIGHT AND NUTRIENT AVAILABILITY
24. Nenad Jasprica, Marija Pandža
IS *Prangos trifida* POPULATION IN CROATIA NATIVE OR INTRODUCED?
25. Marija Pandža, Nenad Jasprica
NEOPHYTES IN THE KORNATI NATIONAL PARK, CROATIA

26. Katarina Ban, Sven D. Jelaska
TERRESTRIAL INVASIVE ALIEN PLANTS OF IMPORTANT LANDSCAPES IN VIROVITICA-PODRAVINA COUNTY, CROATIA
27. Ivana Vitasović Kosić, Marija Kovačević, Kristina Ašenbrenner, Iva Galić, David Huška, Ivica Samardić
MONITORING AND CONTROL OF INVASIVE *Ludwigia peploides* IN POŽEGA-SLAVONIA COUNTY
28. Matej Baneković, Marta Justić, Petra Vizec Samaržija, Mirjana Žiljak, Hrvoje Peternel
MONITORING THE IMPACT OF *Ailanthus altissima* REMOVAL ON NATURA 2000 HABITAT TYPES (62A0 AND 91F0) WITHIN KRKA NATIONAL PARK
29. Dalibor Vladović, Gvido Piasevoli, Katarina Gučanin-Gazibarić, Ivana Ujević, Dario Hruševar, Božena Mitić, Diana Vlahović
ALIEN PLANTS OF THE SPECIAL RESERVE PANTAN (DALMATIA)
30. Jasna Razlog-Grlica, Maja Grlica, Ivan Grlica
INVASIVE PLANTS IN THE AREA OF KRIŽNICA (NORTHERN CROATIA)
31. Diana Vlahović, Filip Varga, Dario Hruševar, Božena Mitić
PRELIMINARY SURVEY OF INVASIVE ALIEN PLANTS IN SESVETE (NORTH-WESTERN CROATIA)
32. Mihaela Britvec
POTENTIALLY INVASIVE NON-NATIVE ORNAMENTAL TREES IN URBAN PARKS OF ZAGREB: *A PRIORI* CATEGORISATION
33. Sanela Damjanović, Mihaela Kalčić, Domagoj Kutuzović Hackenberger, Branimir Kutuzović Hackenberger
PRELIMINARY RESEARCH OF INVASIVE PLANTS IN DIFFERENT HABITATS IN THE CITY OF OSIJEK
34. Marko Ožura, Nina Popović, Zrinka Mesić
THE OCCURRENCE OF INVASIVE ALIEN SPECIES (IAS) IN PROTECTED HISTORIC TOWN CENTRES AS A SOURCE OF THREAT TO NATURAL HABITATS
35. Dragana Marisavljević, Ana Anđelković
SPREAD AND POSSIBILITY OF CHEMICAL CONTROL OF *Reynoutria* spp. IN URBAN AREAS
36. Dubravka Dujmović Purgar, David Šare, Anamarija Peter, Ivica Ljubičić, Jana Šic Žlabur, Vesna Židovec
POTENTIAL ENERGY PRODUCTION OF INVASIVE PLANT SPECIES IN THE ZADAR AREA
37. Dubravka Dujmović Purgar, Jana Šic Žlabur, Anamarija Peter, Mihael Kušen, Martina Šipek Penić, Tatjana Masten Milek, Luka Basrek, Vesna Židovec
LIFE PROJECT ORNAMENTALIAS IN CROATIA
38. Ivana Vitasović Kosić, Jelena Blagec
USES OF INVASIVE PLANT SPECIES BLACK LOCUST (*Robinia pseudoacacia*, FABACEAE) IN NORTHWESTERN CROATIA
39. Mara Marić, Ivana Paladin Soče, Domagoj Ivan Žeravica, Ivana Vitasović Kosić
NEW ALIEN SPECIES IN THE FLORA OF CROATIA - *Diospyros virginiana*
40. Sebastian Čato, Valerio Lazzeri, Sandro Bogdanović
Euphorbia hypericifolia AND *Opuntia anahuacensis*: TWO NEW, POTENTIALLY INVASIVE SPECIES IN CROATIA
41. Anja Rimac, Vedran Šegota, Marko Doboš, Antun Alegro
THE AUSTRALIAN GOOSFOOT *Dysphania pumilio* (CHENOPODIACEAE), A NEWCOMER IN CROATIA
42. Igor Boršić, Petra Kutleša, Maarten de Groot, Sven D. Jelaska
DISTRIBUTION OF KUDZU VINE (*Pueraria montana* var. *lobata*, FABACEAE) IN CROATIA
43. Vedran Šegota, Anja Rimac, Nina Vuković, Marija Bučar, Antun Alegro
THE AFRICAN NIGER PLANT *Guizotia abyssinica* (ASTERACEAE) IN CROATIA – ALIEN INTRODUCED THROUGH THE BIRDSEED OR GREEN MANURE PATHWAY?
44. Nina Vuković, Vedran Šegota, Anja Rimac, Marija Bučar, Antun Alegro
FIRST RECORD OF *Reynoutria sachalinensis* (POLYGONACEAE) IN SLAVONIA (EASTERN CROATIA)
45. Dario Hruševar, Dalibor Vladović, Božena Mitić, Gvido Piasevoli, Katarina Gučanin-Gazibarić
THE FIRST FINDING OF WEEDY PLANT SPECIES *Echinochloa colonum* IN MEDITERRANEAN BIOGEOGRAPHICAL REGION OF CROATIA
46. Dario Hruševar, Sara Essert
THE FIRST FINDING OF WEEDY PLANT SPECIES *Glyceria striata* IN CONTINENTAL BIOGEOGRAPHICAL REGION OF CROATIA
47. Igor Belamarić, Dalibor Vladović, Katarina Gučanin-Gazibarić, Dario Hruševar
THE NEW OBSERVATION OF INVASIVE ALIEN PLANT SPECIES *Solanum elaeagnifolium* IN CROATIA
48. Sven D. Jelaska
THE DEVIL IS IN THE DETAILS (OR LACK OF THEM) – A CASE OF DEVIL'S FINGERS (*Clathrus archeri*) AN ALIEN, POTENTIALLY INVASIVE, FUNGUS PROTECTED IN CROATIA