



Joint ESENIAS and DIAS Scientific Conference and 8th ESENIAS Workshop

Management and sharing of IAS data to support knowledge-based decision making at regional level

26-28 September 2018

BUCHAREST, ROMANIA

Organised by:

**RESEARCH INSTITUTE OF THE UNIVERSITY OF BUCHAREST (ICUB),
FACULTY OF BIOLOGY (FB) AND BOTANIC GARDEN
„D. BRANDZA” (GBDB) OF THE UNIVERSITY OF BUCHAREST (UB)**

**EAST AND SOUTH EUROPEAN NETWORK FOR
INVASIVE ALIEN SPECIES (ESENIAS)**

DANUBE REGION INVASIVE ALIEN SPECIES NETWORK (DIAS)

In collaboration with:

**INSTITUTE OF BIODIVERSITY AND ECOSYSTEM RESEARCH,
BULGARIAN ACADEMY OF SCIENCES (IBER-BAS)**

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Conference Overview

Networking and cooperation on invasive alien species (IAS) in different scales is crucial for the collection, harmonisation, standardisation, management and sharing of sufficient, high-quality and up-to-date scientific information. Recently, several joint research projects have been implemented in order to collect and analyse IAS data at regional level. The largest project conducted by the ESENIAS countries is the **ESENIAS-TOOLS project: East and South European Network for Invasive Alien Species – A tool to support the management of alien species in Bulgaria** (2015-2017). This project aimed at networking and development of IAS tools to support the management of alien species in Bulgaria and in the overall region. Some of the outcomes of the ESENIAS-TOOLS project include: compilation of lists of alien species; collection of data on alien marine, freshwater and terrestrial plants, fungi and animal species; and prioritisation of species and preparation of lists of priority species for the ESENIAS region. The project '**Potential threats to environmental and economic sustainability in the Danube and Black Sea Region: Danube River as invasive alien species corridor**' has been conducted since 2012, by the IBER-BAS, and supported by the International Association of Danube Research (IAD), ESENIAS, and recently by DIAS. Another DIAS project was implemented in the period 2016-2017: **Pilot-study (data collection) on invasive alien species in the Danube Region with a smartphone application developed by the Joint Research Centre (JRC) (Danube-IASapp project)**. The practical use of the smartphone application was tested by gathering of data on invasive alien species of EU concern to assist in monitoring and early detection of IAS in the Danube River basin. The achieved results and data within these projects will be further analysed and managed by the newly developed tools, and thus, will contribute to implementation of the existing IAS instruments and development of the Danube Region IAS strategy and workplan.

This conference entitled '*Management and sharing of IAS data to support knowledge-based decision making at regional level*' is the second conference organised jointly by the ESENIAS and DIAS. The conference aims at:

- Presentation of research results from the recent ESENIAS and DIAS project activities
- Sharing of results and information on other IAS related initiatives carried out in the region, such as national and local monitoring programmes, risk assessments, pathway analyses and action plans, control and eradication projects, management plans and national strategies, citizens activities and responsibilities, data planning and management
- Networking and cooperation among scientists in the ESENIAS and DIAS regions and with other networks and projects in Europe.

Scientific Topics

1. **Invasive alien species traits and trends** – invasive alien species introductions and spread, biological and ecological characteristics; characteristics of recipient environment; invasive alien species and climate change
2. **Vectors and pathways for invasive alien species introductions** – analysis, prioritisation, action plans
3. **The Danube River as invasive alien species corridor** – priority species for the Danube Region, impact on threatened species, specificity of biological invasions in Lower, Middle and Upper Danube River sections
4. **Invasive alien species impact** – impact on biodiversity and ecosystem services, socioeconomic impact and impact on human health; pests and pathogens
5. **Invasive alien species prevention and management** – early detection and rapid eradication, surveillance systems; risk assessment and horizon scanning; control measures; restoration of damaged ecosystems; education, citizen science, strategies, policy and legislation;
6. **Management and sharing of IAS data** – IAS networks and information systems, databases, data planning and management.
7. **Other topics**

Programme

26th September 2018

Conference venue:

“D. Brandza” Amphitheatre,
Faculty of Biology, University of Bucharest
1-3 Portocalelor Entrance, Sector 6, Bucharest, Romania

08:30 – 9:30 **Registration**

Session 1: Opening session and keynote presentations

Chairs: Paulina Anastasiu, Rumen Tomov

09:30 – 10:00 **Opening**

Prof. Dr. Laurențiu Leuștean – ICUB
Prof. Dr. Carmen Chifiriuc – ICUB
Representative of the Ministry of Environment
Representative of the Romanian Academy
Dr. Teodora Trichkova – ESENIAS and DIAS
Prof. Dr. Ahmet Uludağ – ESENIAS

Keynote presentation 1

10:00 – 10:30 **Teodora Trichkova, Rumen Tomov, Ahmet Uludağ, Vladimir Vladimirov, Alexander Kotsev, Florian Ballnus** – ESENIAS and DIAS networks: Collection, management and sharing of IAS data to support knowledge-based decision making at regional level

Keynote presentation 2

10:30 – 11:00 **Konstantinos Tsiamis, Eugenio Gervasini, Sven Schade, Irena Mitton, Fabiano A. Spinelli, Roberto Sgnaolin, Ana Cristina Cardoso** – Invasive Alien Species Smart App: preliminary results of citizens' records

11:00 – 11:30 **Coffee & tea**

Keynote presentation 3

11:30 – 12:00 **Rob Tanner** – Mitigating the impacts of invasive alien plants through international cooperation

Session 2: Invasive alien species traits and trends, vectors and pathways of introduction

Chairs: Dušanka Cvijanović, Ahmet Uludağ

12:00 – 12:15 **Sven D. Jelaska** – Invading the habitat suitability models of invasive plants

12:15 – 12:30 **İlhan Üremiş, Necmi Aksoy, Ahmet Uludağ** – Problems related to aquatic alien plants in Turkey

12:30 – 12:45 **Antoaneta Petrova, Vladimir Marinov, Rosen Vassilev, Kamen Bakardzhiev, Boris Assyov** – A contribution to the woody alien flora of Bulgaria

12:45 – 13:00 **Violeta Boruz, Ioana Simion** – Invasive plants from Oltenia

13:00 – 14:30 **Lunch break**

Session 3: Invasive alien species traits and trends, vectors and pathways of introduction (Continuation)

Chairs: **F. Güler Ekmekçi, Marius Skolka**

Keynote presentation 4

- 14:30 – 15:00 **Yuriy Kvach, Markéta Ondračková** – The parasites of invasive fish: the case of pumpkinseed, *Lepomis gibbosus* (Actinopterygii: Centrarchidae) in Europe
- 15:00 – 15:15 **Paraskevi K. Karachle, Maria Pantazi, Argyro Zenetos** – The biological profile of immigrant fish species in the Mediterranean
- 15:15 – 15:30 **Anna Maria Mannino, Paolo Balistreri, Alan Deidun** – Non-Indigenous Species (NIS) within Marine Protected Areas (MPAs). The case study of the Aegadian Islands MPA (Sicily, Tyrrhenian Sea) and the Dwejra MPA (Maltese Islands, Ionian Sea)
- 15:30 – 15:45 **Gülnaz Özcan, A. Serhan Tarkan** – The distribution of the invasive freshwater fish, topmouth gudgeon *Pseudorasbora parva* (Temminck & Schlegel, 1846) in Turkey
- 15:45 – 16:00 **Serife Gülsün Kırankaya, F. Güler Ekmekçi, Lale Gençoğlu, Şeyda Tacer, Fatih Korkmaz, Murat Arslan** – Long chain fatty acid content of big-scale sand smelt (*Atherina boyeri*) from different ecosystems in Turkey
- 16:00 – 16:30 **Coffee & tea**

Session 4: Invasive alien species traits and trends, vectors and pathways of introduction (Continuation)

Chairs: **Elena Tricarico, Dan Cogălniceanu**

- 16:30 – 16:45 **Baran Yoğurtçuoğlu, Fitnat Güler Ekmekçi, Paraskevi K. Karachle** – An overview of feeding habits and trophic levels of non-indigenous freshwater fishes in Turkey: preliminary results
- 16:45 – 17:00 **Ivan Špelić, Ana Gavrilović, Jonathan Gardner, Lidija Svečnjak, Mirna Mrkonjić Fuka, Neven Iveša, Danijela Mioković, Marina Piria** – Additional distributional data for the introduced Pacific oyster, *Magallana gigas* (Thunberg, 1793), in Croatia
- 17:00 – 17:15 **Tahir Özcan, A. Suat Ateş, Gülnaz Özcan** – The distribution of the alien Northern brown shrimp, *Farfantepenaeus aztecus* (Decapoda: Penaeidae) in the Mediterranean Sea
- 17:15 – 17:30 **Octavian Pacioglu, Kathrin Theissinger, Andreea Alexa, Corina Samoilă, Ovidiu-Ioan Sîrbu, Anne Schrimpf, Jochen P. Zubrod, Ralf Schulz, Mălina Pîrvu, Sandra-Florina Lele, John Iwan Jones, Lucian Pârvulescu** – Multifaceted implications of the competition between native and invasive crayfish: A glimmer of hope for the native's long-term survival
- 17:30 – 17:45 **Marius Skolka, Oana Florea, Sebastian Apostol** – Mangalia Lake – an “oasis” for alien species
- 17:45 – 18:00 **Aleksandra Konjević, Miloš Petrović, Željko Milovac** – Movement of brown marmorated stink bug (*Halyomorpha halys*) through years and places in Serbia
- 18.00 – 19:00 **Poster presentations & discussions**

27th September 2018

Session 5: Keynote presentations

Chairs: Aleksandra Konjević, Vladimir Vladimirov

Keynote presentation 5

09:00 – 09:30 **Elena Tricarico** – How public engagement can help facing biological invasions

Keynote presentation 6

09:30 – 10:00 **Ahmet Uludağ, Z. Filiz Arslan, Ayşe Yazlık, Necmi Aksoy** – Prevention of alien ornamental plants' invasions

Keynote presentation 7

10:00 – 10:30 **Marius Skolka** – New invasive species in Dobroudja and in the Black Sea littoral area

10:30 – 11:00 **Coffee & tea**

Session 6: Invasive alien species traits and trends, vectors and pathways of introduction (Continuation)

Chairs: Paraskevi K. Karachle, Yuriy Kvach

11:00 – 11:15 **Elena Buhaciuc-Ioniță, Marin Ioniță, Mihaela Caplan, Ana-Maria Krapal** – A threat or a new species occupying an empty spot? Study on the *Magallana gigas* (*Crassostrea gigas* – the pacific oyster) populations in natural habitats from the Black Sea, Romania

11:15 – 11:30 **Marilena Onete, Jodey Peyton, Oliver Pescott, Owen Mountford, Minodora Manu, Roxana Nicoară** – Invasion of the alien species of river margins. Case study: Arieș River (Transylvania, Romania)

Session 6: The Danube River as invasive alien species corridor

Chairs: Paraskevi K. Karachle, Yuriy Kvach

11:30 – 11:45 **Milcho Todorov, Rumen Tomov, Kostadin Ignatov, Dan Cogălniceanu, Momir Paunović, Teodora Trichkova** – Invasive alien species of EU concern in the Danube Region – testing of the smartphone application developed by the EC JRC

11:45 – 12:00 **Ioana Simion, Violeta Boruz** – Invasive alien plants from protected areas along the Danube River

Session 7: Invasive alien species impact

Chairs: Marilena Onete, Sven D. Jelaska

12:00 – 12:15 **Dușanka Cvijanović, Bojan Damnjanović, Maja Novković, Aleksandra Vesić, Milica Živković, Ana Anđelković, Snežana Radulović** – The role of invasive hydrophytes in structuring macrophyte assemblages in the newly-formed gravel pit lakes

12:15 – 12:30 **Ayşe Yazlık, Jan Pergl, Petr Pyšek** – Environmental and socioeconomic impact of alien plants in Turkey

12:30 – 12:45 **Marilena Onete, Larisa Florescu, Mirela Moldoveanu, Rodica Catana, Minodora Manu** – The tree of heaven (*Ailanthus altissima*): indicating the heaven or hell in the Romanian cities

Session 8: Other topics

Chairs: **Marilena Onete, Sven D. Jelaska**

- 12:45 – 13:00 **Meliha Merve Hiz, Gülsüm Akkuş, Damla Yüksel Balim** – Genotoxic effects of *Rhamnus cathartica* on the human blood lymphocytes
- 13:00 – 13:15 **Meliha Merve Hiz, Sibel Oymak, Gülsüm Akkuş, Begüm Dermenci** – The genotoxic effects of *Chrysanthemum cinerariifolium* extract on the human blood lymphocytes
- 13:15 – 14:30 **Lunch break**

Session 9: Invasive alien species prevention and management; IAS data management and sharing

Chairs: **Cristina Preda, Rumen Tomov**

- 14:30 – 14:45 **Cristiana-Maria Ciocănea, Athanasios-Alexandru Gavriliadis, Steluta Manolache, Laurentiu Rozyłowicz** – Participatory management of the invasive species *Ailanthus altissima* and *Amorpha fruticosa* in the Lower Siret Floodplain protected area
- 14:45 – 15:00 **Milka Glavendekić, Aleksandra Konjević, Aleksandar Lisica, Dejan Skočajić, Nadežda Stojanović, Mirjana Tešić, Ervin Vukasović** – Management of *Cydalima perspectalis* (Walk.) (Lepidoptera: Crambidae) populations in the historic park of the Monastery Beočin in Serbia
- 15:15 – 15:30 **Roxana Ciceoi, Adriana Radulovici** – *Pentatomidae* of economic importance in Romania – first DNA barcoding trials
- 15:30 – 15:45 **Zhelyu Avramov, Mariana Laginova, Dora Panayotova, Ivanka Ivanova, Marko Mihaylov** – Monitoring of the quarantine phytoplasmic diseases on the vine in Bulgaria in the period 2012–2018
- 15:45 – 16:15 **Coffee & tea**

Session 10: Invasive alien species prevention and management; IAS data management and sharing (Continuation)

Chairs: **Milka Glavendekić, Necmi Aksoy**

- 16:15 – 16:30 **Nikolaos Doumpas, Ioannis Giovos, Stefanos Kalogirou** – The misconception of pufferfish consumption in Greece through social media sentiment analysis
- 16:30 – 16:45 **Rumen Tomov, Teodora Trichkova, Vladimir Vladimirov, Ahmet Uludağ, Argyro Zenetos, Dan Cogălniceanu, David Finger, Sashto Trajanovski, Sonja Desnica** – Contribution of ESENIAS-TOOLS project to IAS awareness raising in the ESENIAS region
- 16:45 – 17:00 **Rumen Tomov, Teodora Trichkova** – Public attitudes towards invasive alien species in Bulgaria
- 17:00 – 18:00 **Poster presentations & discussions**

28th September 2018

09:00 – 13:00 **Field trip:** Natural Park Văcărești (Bucharest)

13:00 – 14:30 **Lunch break**

14:30 – 16:00 **The 8th ESENIAS Workshop**

16:00 – 16:30 **Coffee & tea**

16:30 – 17:00 **Conference closing**

29th September 2018

10:00 – 13:00 **Visit:** “Grigore Antipa” National Museum of Natural History

Poster Presentations

Topics 1 and 2: Invasive alien species traits and trends, vectors and pathways of introductions

- P01-01 **Tetyana S. Dvirna** – *Silphium perfoliatum* L. in the flora of the Romensko-Poltavsky Geobotanical Region
- P01-02 **Vladimir Vladimirov** – *Hieracium amplexicaule* (Asteraceae): a new casual species to the Bulgarian flora
- P01-03 **Aleksandra Savic, Danijela Pavlovic, Dragana Bozic, Sava Vrbnicanin** – Competition between *Ambrosia trifida* L. and *Ambrosia artemisiifolia* L.
- P01-04 **Danci Oana-Viorica, Milanovici Sretco** – Contributions to the knowledge of invasive alien plant species in the middle hydrographical basin of Mureş River (Romania)
- P01-05 **Mihaela Sămărghiţan, Silvia Oroian, Corneliu Tănăse** – Contributions to the study of alien and invasive species in some protected areas in Mureş County
- P01-06 **Eugenia Nagodă, Petronela Camen-Comănescu, Gavril Negrean, Sanda Liţescu, Paulina Anastasiu** – Alien plants from Natural Park Văcăreşti, Bucharest, Romania
- P01-07 **Myroslav V. Shevera, Vira V. Protopopova, Raisa I. Burda, Liudmyla V. Zavalova, Oksana O. Kucher** – The alien flora of Ukraine: Main results of studies
- P01-08 **Boris Assyov, Antoaneta Petrova, Rosen Vassilev, Kamen Bakardzhiev** – Balconies, tramway tracks and stonecrops – notable pathways of escape from gardening of members of *Sedum* and related genera in Bulgaria
- P01-09 **Mihaela Urziceanu, Tatiana Eugenia Şesan, Paulina Anastasiu** – Do wind farms favour the spread of invasive alien plants in protected areas? Case study: Natural Park Porţile de Fier & ROSCI0060 Dealurile Agighiolului
- P01-10 **Ana Anđelković, Milica Živković, Dušanka Cvijanović, Dragana Marisavljević, Snežana Radulović, Danijela Pavlović** – Riparian invasion corridors of barnyard grass in Serbia
- P01-11 **Constantina Chireceanu, Diana Ioana Petcu, Andrei Teodoru, Andrei Chiriloaie-Palade** – Population dynamics of *Orientalis ishidae* and *Acanalonia conica* in Bucharest – Băneasa area in 2017, after one year from their first detection
- P01-12 **Rumen Tomov, Cvetelina Vasileva** – Range expansion of *Metcalfa pruinosa* (Homoptera: Fulgoroidea) in Bulgaria
- P01-13 **Oxana Munjiu, Ion Toderas, Igori Şubernetkii** – Investigation of *Sinanodonta woodiana* (Lea, 1834) (Bivalvia, Unionidae) on the territory of the Republic of Moldova
- P01-14 **Sasho Trajanovski, Konstantin Zdraveski, Sonja Trajanovska, Biljana Budzakoska Gjoreska, Teodora Trichkova** – Disturbed ecological status may facilitate the introduction of invasive alien species in Lake Ohrid watershed
- P01-15 **Lidija Velkova-Jordanoska** – Molecular identification of the red-bellied piranha (*Pygocentrus nattereri* Kner, 1858) caged in Dojran Lake
- P01-16 **Iuliia Kutsokon, Yuriy Kvach** - The bullheads of genus *Ameiurus* (Actinopterygii: Ameiuridae) in Ukraine
- P01-17 **Lali Murvanidze, Tsitsino Lomidze, Ketevan Nikolaishvili, Lela Arabuli, Ketevan Asatiani, Keto Davitaia** – *Carassius gibelio* (Bloch, 1782): comparative ecological overview of parasitic fauna in the Jandari and Madatapa Lakes
- P01-20 **Tihomir Stefanov, Milcho Todorov, Kostadin Ignatov, Ivan Botev, Teodora Trichkova** – Distribution and pathways of introduction and spread of *Pseudorasbora parva* (Temminck & Schlegel, 1846) (Cyprinidae) in Bulgaria
- P01-21 **Nicolai Crăciun, Adrian Ionaşcu** – The evolution and spread of invasive fish species in Văcăreşti Nature Park

Topic 3: The Danube River as invasive alien species corridor

- P03-01 **Paulina Anastasiu, Gavril Negrean** – Alien plant species in the Natural Park Iron Gates (Romania)
- P03-02 **Teodora Trichkova, Milcho Todorov, Ivan Botev, Dan Cogălniceanu, Doru Bănăduc, Tihomir Stefanov, Luchezar Pehlivanov, Yuriy Kvach, Pavel Jurajda** – New records of invasive alien and translocated fish species in the Danube River and adjacent water bodies in Bulgaria and Romania
- P03-03 **Adrian Ionașcu, Nicolai Crăciun** – Observations on the expansion of the invasive fish *Perccottus glenii* in Romania
- P03-04 **Veniamin Zamorov, Mariya Zamorova, Yuriy Kvach** – Age-size structure of a round goby population in the Danube Delta, as a possible source for the invasive one in the Southern Corridor of Aquatic Invasions

Topic 4: Invasive alien species impact

- P04-01 **Geta Rîșnoveanu, Cristina Popescu, Darmina Niță, Valentin Dinu, Marius Bujor, Corina Bradu, Constantin Cazacu** – Litter decomposition of exotic Japanese knotweed (*Fallopia japonica*) and common alder (*Alnus glutinosa*) in relation with longitudinal and transversal stream connectivity
- P04-02 **Daniyar Memedemin, Cristina Preda, Marius Skolka** – *Ailanthus altissima* (Mill.) Swingle impact on biodiversity – preliminary data
- P04-03 **Traian Manole, Laura Ioana Macavei, Camen-Comănescu Petronela** – The status and impact of the brown marmorated stink bug, *Halyomorpha halys* Stål (Heteroptera: Pentatomidae) in Romania
- P04-04 **Roxana Ciceoi** – Facultative blood-sucking lace bugs, *Corythucha* sp., in Romania
- P04-05 **İrfan Uysal** – The poisonous marine alien species in Turkish marine waters

Topics 5 and 6: Invasive alien species prevention and management; Management and sharing of IAS data

- P05-01 **Boryana Katinova, Mariyana Laginova** – Introduced species in Bulgaria – measures against them
- P05-02 **Marija Saric-Krsmanovic, Ahmet Uludag, Jelena Gajic Umiljendic, Ljiljana Radivojevic, Ljiljana Santric, Ivana Potocnik, Rada Djurovic-Pejcev** – Bio-herbicidal effects of five essential oils on seed germination and early seedling growth of velvetleaf (*Abutilon theophrasti* Medik.)
- P05-03 **Marga Grădilă, Daniel Jalobă** – Control measures for *Xanthium italicum* – an invasive species in maize crop in Romania
- P05-04 **Traian Manole, Constantina Chireceanu, Andrei Teodoru, Andrei Palade Chiriloaie** – Monitoring the spreading of some invasive insect species in the south-east zone of Romania
- P05-05 **Konstantin Zdraveski, Sasho Trajanovski** – Economic aspects of the invasive alien species: Holistic mitigation measures approach
- P05-06 **Nataliia Pashkevych, Liudmyla Lysohor, Liubov Gubar** – The comparative analysis of alien plant species of the Ukrainian Information System: Families Asteraceae, Poaceae, Brassicaceae
- P05-07 **Baran Yoğurtçuoğlu, Fitnat Güler Ekmekçi** – An update of the database on the distribution of globally invasive *Gambusia holbrooki* in Turkish freshwaters
- P05-08 **Cristina Sandu et al.** – International Association of Danube Research (IAD) and IAS expert group

- P05-09 **Helen E. Roy, Quentin Groom et al.** – ALIEN CSI: Increasing understanding of alien species through citizen science
- P05-10 **Elena Tricarico, Frances E. Lucy, Vadim E. Panov, Mark J. Costello, David Bruce Conn, Kit Magellan, Stelios Katsanevakis, Marnie L. Campbell, Eithne Davis, Laura N. H. Verbrugge, Laura Garzoli** – INVASIVESNET: International Association for Open Knowledge on Invasive Alien Species

Other topics

- P07-01 **Altuğ Çiçekliyurt** – The usage of invasive species and their impact on human health
- P07-02 **Manana Lortkipanidze, Kazim Huseynov, Oleg Gorgadze, Mzia Kokhia, Madona Kuchava** – Entomopathogens against mosquitoes (Diptera: Culicidae)
- P07-03 **Dunya A. Al-Kurjiya, Haifa Najee, Marcela Popa, Omar Sadik Shalal, Othman Al-Mahdawy, Grigore Mihăescu, Mariana Carmen Chifiriuc** – Antifungal activity of some plant extracts on non- *Candida albicans* spp. strains isolated from hospitalised patients
- P07-04 **Irina Zarafu, Petre Ioniță, Maria Marinescu, Marcela Popa, Luminița Măruțescu, Carmen Chifiriuc, Paulina Anastasiu** – Bioevaluation of *Cuscuta campestris* total extracts for potential therapeutic applications
- P07-05 **Alina M Holban, Alexandru M Grumezescu, Ghita Bianca, Manastireanu Denisa, Hamzah Basil Mohammed, Sajjad Mohsin, Mariana C Chifiriuc, Veronica Lazar, Ecaterina Andronescu** – Core-shell nanoparticles functionalised with essential oils with antimicrobial activity
- P07-06 **Eka Tskitishvili, Eter Buchukuri, Lali Jgenti, Nana Bagathuria, Tamaz Tskitishvili, Medea Gigolashvili, Irakli Eliava** – Prevalence of potato tuber nematode in Tetrtskaro (Eastern Georgia)
- P07-07 **Irina Zarafu, Petre Ioniță, Maria Marinescu, Sorin Avramescu, Marcela Popa, Luminița Măruțescu, Paulina Anastasiu, Mariana Carmen Chifiriuc** - Influence of aqueous extracts of three plant species on microbial growth in planktonic and biofilm state
- P07-08 **Irina Zarafu, Petre Ioniță, Maria Marinescu, Sorin Avramescu, Marcela Popa, Luminița Măruțescu, Mariana Carmen Chifiriuc, Paulina Anastasiu** – Bioevaluation of the antimicrobial properties of *Berberis vulgaris* extracts
- P07-09 **Marian Constantin** – *Ailanthus altissima* and *Ambrosia artemisiifolia*, two invasive species in Cocora's vegetation (Ialomița County)