

XIV. International Rotifer Symposium

České Budějovice, 30 August – 4 September, 2015

Scientific Committee:

Miloslav Devetter, Czech Republic

Diego Fontaneto, Italy

Christian D. Jersabek, Austria

Linda May, UK

Robert Wallace, USA

Elizabeth Walsh, USA

David Mark Welch, USA

Local Organizing Committee:

Miloslav Devetter, Biology Centre CAS and University of South Bohemia

Michal Šorf, University of South Bohemia

Pavla Robovská, University of South Bohemia

Michala Bryndová, Biology Centre CAS and University of South Bohemia

Jana Šlancarová, University of South Bohemia, Accompanying persons programme

Welcome

The Rotifer Symposium takes place every three years and offers unique opportunities for rotifer scientific researchers, students and other rotifer enthusiasts from all over the world to get together and promote scientific exchange and friendship.

The International Rotifer Symposium is the largest scientific forum to provide an up-to-date perspective on all topics related to rotifer biology. The 14th such meeting is hosted in České Budějovice, Czech Republic, from 30th August to 4th September 2015 under the auspices of the Biology Centre, The Czech Academy of Sciences and the Faculty of Science, University of South Bohemia.

We are very pleased to welcome you to the XIV. International Rotifer Symposium.

Enjoy our Symposium and also your stay in South Bohemia.

Miloslav Devetter

Oral lectures

All oral presentations will be conducted in the main conference hall. Speakers should provide their presentation file on a USB memory/flash drive. Presentations should be compatible with MS Power Point, Libre Office, Apple or PDF. In case you will use Mac, please inform us so we can provide compatibility. Your presentation will be loaded onto the hard drive of the computer in the lecture room before your session and will be removed afterwards. A projector and laptop/computer will be provided for the presentations. The conference computer uses Windows 7 as the operating system and Microsoft Power Point 2007 as the primary software for presenting your slides. It will be not possible to use your own computer.

The time slot for oral presentations is 20 minutes (including discussion). We strongly encourage a presentation of no more than 15 minutes to allow 3 minutes for discussion and questions from the audience.

The best oral lecture competition will be organized during the poster session in two categories: student and regular lectures.

Poster presentations

Posters will be displayed in Building C, Faculty of Science. Posters should be mounted during Monday and removed on Friday. The poster sessions will be on Monday and Thursday from 16:00. Each poster will be introduced at the beginning of each poster session by a 2 minutes flash talk with a maximum of 2 slides.

The best poster format is A0 Portrait, 84×119 cm (33×47 in) or smaller. Please add your poster on the right board indicated with your name and title of your contribution. Poster pins will be provided.

The best poster competition will be organized during the poster session in two categories: student and regular posters. Oral presentations and posters will be evaluated by a jury consisting of Senior Scientists. The winners will be chosen on the basis of the originality and quality of the work and of the presentation. Winners will be announced during the Conference Dinner on Friday.

Registration desk and Conference office

The registration desk will be located in the same building as the conference hall, which is the main hall of the University of South Bohemia (called Bobík [Bobi:k]). It is situated on the university campus in České Budějovice at Studentská 800/15 (GPS coordinates: 48°58'40.039"N, 14°26'57.495"E). The registration desk will open from 17:00–18:30 on Friday 28th August, from 16:00–21:00 on Sunday 30th August and throughout the symposium starting from 8:00 every day except for Wednesday.

Parking

The best opportunity for short-term as well as long-term parking is on the other side of the same building where a free large parking area is situated. It is accessible from Na Sádkách Street to the South.

Rotifer image contest

The best rotifer image contest will be organized during the poster session. One participant can add at most five pictures. The participants will elect the best picture during the symposium. Voting sheets can be found in the symposium binder. Everyone is welcome to put them into the envelope below each image.

Special issue of Hydrobiologia

Participants of Rotifera XIV are highly welcome to submit papers for a special issue of Hydrobiologia. Manuscripts on all topics of both oral and poster presentations will be considered for peer review. Only manuscripts of high quality will be accepted for publication following the standard peer review procedure. All manuscripts must be submitted electronically not later than 31 October 2015. Use the Hydrobiologia portal on <http://www.editorialmanager.com/hydr>, and select the special issue Evolving Rotifers. Before submitting your manuscript, consult the Instructions for Authors available from the web page mentioned above.

Guest editors are Miloslav Devetter, Diego Fontaneto, Christian Jersabek, David Mark Welch, Linda May and Elizabeth Walsh.

Breakfast

For participants accommodated in the student dormitory, breakfasts will be served in the University Mensa (student canteen) from Friday (28th August) till Saturday (5th September). Breakfast is served from 7:30-9:00 and is included in the price of accommodation.

Lunch

Lunch will be served in the University Mensa (student canteen) a 3 minute walk from the conference hall from 12:45-14:00. Lunch is included in the registration fee for all participants. Make sure to hold your tag so that it is visible.

Menu:

Monday (31st August):

Soup, beef goulash with gnocchi, horseradish, dessert

Tuesday (1st September):

Soup, salmon on herbs, potatoes, vegetable salad, dessert

Wednesday (2nd September):

Lunch in hotel Zlatá Hvězda-Třeboň (Mid-conference excursion)

Thursday (3rd September):

Soup, chicken roll with leaf spinach, rice, vegetable salad, dessert

Friday (4th September):

Soup, chicken schnitzel, potato puree, vegetable salad, dessert

Dinner

Dinners (except for Friday's conference dinner) are not arranged. Please, enjoy some of recommended restaurants (from the Pub Guide) near the campus or in the downtown.

Internet access

Participants are welcome to use the wireless network **JU_wireless*** with the:

username: **irs2015**

password: **rotifera15**

Mid-conference excursion

All participants are welcome to attend an all-day excursion on Wednesday, starting in the morning at 9:00. We will go by bus from České Budějovice to Třeboň, the centre of the Czech cultural heritage and landscape site. We will visit fishponds, a renaissance castle, the nice Regent brewery (with tasting) and the historic town centre. Expected return time: 19:00.

The scenic landscape of the Třeboň Region (Třeboňsko) with its sophisticated system of fishponds and artificial channels is the result of sensitive human intervention into the original natural conditions. The prosperity of the region started in the 14th century and is connected with the Rožmberk dynasty, which supported the building of fishponds in the area. The Třeboň Region experienced the greatest fish farming development during the 16th and beginning of the 17th centuries. Today, Třeboňsko with its 460 fishponds is the main center of fish farming in the Czech Republic. Despite the fact that the landscape of the Třeboň Region (Třeboňsko) has been cultivated by man for many centuries, the unique natural values have been preserved. The Třeboň Region has been declared a UNESCO biosphere reserve and a protected landscape area (CHKO Třeboňsko). With its large water surfaces, Třeboňsko is also an important European area for the nesting and wintering of water birds.

The town of Třeboň offers many historical and cultural sightseeing attractions. The historic part of Třeboň includes a renaissance castle, a gothic monastery, renaissance and baroque houses in the square and a large fishpond (The Svět Pond). These are all authentic historic monuments from the flourishing fish-farming period in the 16th century.

The cost of the excursion is included in the registration fee.

Optional post-conference tours

Option A: Sightseeing in Český Krumlov (UNESCO heritage site)

Český Krumlov, a UNESCO World Heritage Site, is a lively, cosmopolitan town with a unique atmosphere surrounded by unspoiled countryside. Dominated by a Castle stretching over the meandering Vltava River, Český Krumlov's narrow cobblestone streets wind along romantic nooks between patrician houses where you will find attractive exhibits of world-renown artists, music festivals and concerts, and theatre performances. The Old Town has not experienced major changes since the 19th century and has maintained its historic character (<http://www.ckrumlov.info/docs/en/kaktualita.xml>).

The cost of the excursion (50 EUR) is not included in the registration fee.

Option B: Canoe trip on Vltava River

Zátoň – Český Krumlov – Zlatá Koruna – cca 5 hours – 26 km – 5 weirs

This is a very popular leg of the river, well known for its romantic features. It starts from log cabin station in Zátoň and goes on through the one and only town of Český Krumlov. There is no way for you to regret this choice. All in all, you will face five weirs on the way – four of them in Český Krumlov and the fifth one right before the finish in Zlatá Koruna. But do not be afraid, arduousness of this trip is low (WW1-on international scale) and it is suitable for experienced water sportsmen as well as green ones. Each weir is equipped by bypass to go through safely. You will be fascinated by natural and rural sceneries on river and surrounding nature. Once you leave Český Krumlov there is still a lot to look forward to and admire. The remaining part offers numerous meanders running through a gorgeously romantic forest lined by rocks here and there. We will finish in Zlatá Koruna Monastery (based in 1263) <http://www.zlatakoruna.cz/index.php?nid=1657&lid=en&oid=204215>

Participants will be equipped with life vests and plastic barrels to keep your belongings dry. However, we strongly recommend you to take some spare clothing in case of involuntary swimming. The best clothing we recommend are shorts, t-shirt, sandals to the water, sweetshirt or jacket in case of colder weather and a raincoat.

The cost of the excursion (50 EUR) is not included in the registration fee.

Accompanying persons program

Meeting point: Entrance hall of the conference building “Bobík” (with Conference hall) at 9 am every day.

Monday 31th August: visit of Cistercian Abbey in Vyšší Brod (<http://www.klastervys-sibrod.cz>); lunch in Frymburk (small town on the bank of Lipno dam); Lipno Treetop Walkway (<http://www.stezkakorunamistromu.cz/en/>)

Tuesday 1st September: visit of historical town Jindřichův Hradec – museum with famous Krýza's Crèche or Nativity, which is the largest artisan mechanical nativity scene in the world); lunch; visit of local castle and chateau (<http://www.zamek-jindrichuvhradec.eu/en/>)

Thursday 3rd September: visit of Celtic oppidum in Třísov (http://www.ckrumlov.info/docs/en/region_histor_keoptr.xml); visit of ruin of castle Dívčí kámen (<http://www.divcikamen.cz/>); lunch; visit of castle in Rožmberk (<http://www.hrad-rozmbek.eu/en/>)

Friday 4th September: morning visit (till noon) of historical Grafit mine in Český Krumlov (<http://www.grafitovydul.cz/>). Temperature in the underground is about 10 °C, so take a warm clothing. We will also go by a mine train! Lunch in student canteen in ČB together with conference participants.

Guided by Jana Šlancarová (Cell phone: +420 774 252 410), or Pavla Robovská (Cell phone: +420 776 377 662)

Public transport in České Budějovice

České Budějovice is not a very big town. It is possible to walk around the downtown practically everywhere within 30 minutes. Public buses and trolley-buses connect the University Campus (Branišovská street) with the centre of town as well as the train and bus stations. Buses of line 3 go mostly every 10 minutes (20 minutes on weekends). Tickets are available from vending machines at almost every stop (13 CZK for 20 minutes and 16 CZK for 60 minutes in all buses). It is possible to buy the same ticket from the driver but the cost will be 25 CZK. It is also possible to pay by contactless payment card in the vending machine at the stop “Nádraží” by the bus and train stations.

Taxis are safe to use; the main TAXI station is in front of the train station.

Scientific programme

Friday, 28th August – Sunday, 30th August: Pre-conference course How to ordinate rotifers?

Friday, 28th August

17:00 Registration for the statistical course

19:00 Social program for statistical course participants
(restaurant U Šípků, not included in the fee)

Saturday, 29th August – Computer room (48°58'39.690"N, 14°26'51.779"E)

9:00–12:00 Unconstrained ordination (PCA, DCA, NMDS)

12:00–13:00 Lunch – Restaurant Jiskra

13:00–15:00 Constrained ordination (RDA, CCA) – introduction

15:00–16:00 Coffee break

16:00–19:00 Constrained ordination (RDA, CCA)

from 19:00 Dinner and the social programme
(Small breweries club, not included in the fee)

Sunday, 30th August – Computer room

9:00–12:00 Constrained ordination, forward selection

12:00–13:00 Lunch – Restaurant Jiskra

13:00–16:00 Variation partitioning

Sunday, 30th August, Conference hall (No 27 on the map)

16:00 Registration Registration desk

19:00 Welcome party (with refreshment)

Monday, 31st August, Conference hall (No 27 on the map)

9:00 **Opening Ceremony** Welcome by Miloslav Šimek, director of the Biological Centre, Academy of Science and Libor Grubhoffer, Rector of the University of South Bohemia

Organism Functioning 1 Chair: José L. Gama-Flores

9:20 Steven Decklerck Rotifers as model systems for the study of rapid micro-evolutionary adaptation and its ecological implications (Emanuel Bartoš Invited Lecture)

10:00 Simone Riss Genetic divergence among closely related *B. plicatilis* populations that markedly differ in genome size

10:20 Jessica Beyer Negative effects of cyanobacteria on survival and reproduction in the rotifer *Brachionus calyciflorus* across generations

10:40 Coffee break

Organism Functioning 2 Chair: Simone Riss

11:00 Carmen Gabaldón Ecological differentiation in cryptic rotifer species

11:20 José Luis Gama-Flores Population growth and fatty acid profiles of *Brachionus calyciflorus* (Rotifera) in relation to different thermal regimes

11:40 Qing Wang The effects of seaweeds extract on the reproduction of *Brachionus plicatilis*

12:00 Shohei Kamizono Effect of starvation on mixis induction in offspring of the monogonont rotifer *Brachionus manjavacas*

12:20 Spiros Papakostas Recognizing evolutionary units in the *Brachionus calyciflorus* cryptic species complex despite rampant hybridization

12:40 Lunch

Integrative and Applied Research Chair: Roberto Rico-Martínez

14:00 Roberto Rico-Martínez Ecotoxicological monitoring of the drinking water system of the Municipality of Aguascalientes

14:20 Jae-Seong Lee Expression pattern of entire cytochrome P450 genes and response of defensomes in the benzo[a]pyrene-exposed monogonont rotifer, *Brachionus koreanus*

14:40 Célia Joaquim-Justo Assessing the anti-androgenic activities of chemicals and surface waters using *Brachionus calyciflorus* and the anti-YAS test

- 15:00 Jiaxin Yang Effect of testosterone and flutamide on production growth and hatchability of resting eggs of the rotifer *B. calyciflorus*
- 15:20 Jae-Seong Lee Multi-walled carbon nanotube (MWCNT) leads antioxidant depletion and activates ERK signaling pathway but decreases copper toxicity in the rotifer *Brachionus koreanus*
- 15:40 Building C (No 20 on the map) **Poster Session 1**
Sections: Organism functioning, Integrative and applied research, Ecosystem functioning, Resting eggs, dormancy and egg banks
- 16:00 **Poster presentations**

Tuesday, 1st September, Conference hall (No 27 on the map)

- 9:00 Holger Herlyn The phylogeny of Syndermata (=Rotifera sensu lato) and its implications for the evolution of acanthocephalan endoparasitism (Invited Lecture)

Ecosystem Functioning 1 Chair: Ulrike Obertegger

- 9:40 Huan Zhang Counteracting effects of recruitment and predation shape establishment of rotifer communities under climate change
- 10:00 Maria Špoljar Rotifers in biotic interactions within the transparent vs. turbid state: a mesocosm contribution to the reestablishment of macrophytes
- 10:20 Radka Ptacnikova Spatial and temporal diversity of rotifers in pools of Lower Lobau (Austria)
- 10:40 Coffee break

Ecosystem Functioning 2 Chair: Maria Špoljar

- 11:00 Ulrike Obertegger Taxonomical and functional diversity of rotifers in two distinct basins of L. Tovel, what do they tell us about community assembly?
- 11:20 Małgorzata Pronin Rare species in small field water bodies: the effect of habitat and environmental factors
- 11:40 Külli Lokko Role of environmental parameters defining seasonal variability in the dominance structure of psammic rotifer communities

- 12:00 Naomi Zweerus Life-history responses to past environmental change: experimental analyses of rotifer populations resurrected from sediments of a historically polluted lake
- 12:20 Alois Herzig Rotifers in extreme habitats: Brachionidae in soda pans
- 12:40 Lunch

Workshop on Dormancy and Resting Eggs Chair: Esther Lubzens

- 14:00 Elizabeth J. Walsh Production of diapause embryos in phylum Rotifera: A metadata approach to documenting sexual reproduction
- 14:15 Elizabeth Wurdak Monogonont egg structure and development
- 14:30 Terry W. Snell Environmental regulation of monogonont rotifer resting egg production
- 14:45 Atsushi Hagiwara Survival and hatching of resting eggs
- 15:00 John J. Gilbert Workshop on Dormancy and Resting eggs in Rotifers: Questions relating to diapause, hatching, and early population development
- 15:15 Coffee break Chair: Manuel Serra
- 14:35 Claus-Peter Stelzer The costs of sex in rotifers
- 15:50 Eduardo M. García-Roger Optimization of resting egg production and hatching
- 16:05 Luc Brendonck The impact of dormant egg bank dynamics on population and community processes along the pond permanence gradient
- 16:20 Esther Lubzens Proteome profiling discloses clues on functional pathways associated with dormancy in encysted rotifer embryos
- 16:35 Evelien Rozema Metabolomics of amictic and resting eggs
- 16:50 Coffee break
- 17:10 Discussion Panels: Luc Brendonck, Claus-Peter Stelzer, Diego Fontaneto Ecological and evolutionary aspects
- 17:30 David Mark Welch, Esther Lubzens Molecular and functional aspects
- 17:50 Esther Lubzens, Manuel Serra General discussion & A collective paper on perspectives
- 20:00 Night tour in the town - walk (optional)

Wednesday, 2nd September: Mid-conference excursion

- 09:00 Departure from Studentská street (next to the Conference hall)
- 10:00 Medieval fishponds and landscape
- 12:00 Lunch in Zlatá Hvězda Třeboň
- 14:00 Regent Brewery
- 15:00 Třeboň Castle
- 16:00 Třeboň sightseeing
- 17:30 Departure from Třeboň

Thursday, 3rd September, Conference hall (No 27 on the map)

Bdelloid Rotifers Chair: Christopher G. Wilson

- 09:00 Karine Van Doninck Genomic evidence for ameiotic evolution and genetic exchanges in the bdelloid rotifer *Adineta vaga* (Invited Lecture)
- 09:40 Nicolas Debortoli Evidence for inter and intra-specific genetic exchanges among bdelloid rotifers of genus *Adineta*
- 10:00 Christopher Wilson Bdelloid rotifers have been coevolving with lethal parasites for 40 million years in the absence of sex
- 10:20 Boris Hespeels Gateway to genetic exchange? DNA double-strand breaks in the bdelloid rotifer *Adineta vaga* submitted to desiccation
- 10:40 Coffee break and Symposium photo

Population Studies 1 Chair: Guntram Weithoff

- 11:00 Sarma S.S.S. Clonal differences in the demographic responses of *Brachionus calyciflorus* Pallas (Rotifera) to temperature
- 11:20 John J. Gilbert Polyphenisms in monogonont rotifers: a comparison of features and ecological patterns
- 11:40 Robert L. Wallace Production of diapause embryos in phylum Rotifera: A metadata approach to documenting sexual reproduction
- 12:00 Hilal Bulut Assesment of the zooplankton community by the index analysis in Kaldırım and Halikan Ponds, Malatya Turkey
- 12:20 Lluís Franch-Gras Sex-related traits vary accordingly with environmental predictability in natural populations of *Brachionus plicatilis*
- 12:40 Lunch

Population Studies 2

Chair: S.S.S. Sarma

- 14:00 Guntram Weithoff How bad is a bad start - Catch-up reproduction in a variable environment
- 14:20 Taavi Virro Long-term dynamics and phenology of *Polyarthra luminosa* in the shallow eutrophic northern temperate Lake Võrtsjärv (Estonia)
- 14:40 Kimberley Lemmen (Steven Decklerck) Changes in the functional response of *Brachionus calyciflorus* in response to resource stoichiometry
- 15:00 Adriana Aránguiz-Acuña Diapausing as scape strategy under exposure to sublethal arsenic
- 15:20 Gerardo García García Demographic responses of the rotifer *Brachionus calyciflorus* under chronic exposure to the anti-hypertensive drug (atorvastatin)
- 15:40 Building C (No 20 on the map) **Poster Session 2**
Sections: Bdelloid rotifers, Population studies, Biodiversity
- 16:00 **Poster presentations**
- 20:00 Night tour in the town (walk) – optional

Friday, 4th September, Conference hall (No 27 on the map)

- 09:00 Claudia Ricci How and why to fall in love with bdelloid rotifers (Josef Donner Invited Lecture)

Patterns in Biodiversity 1

Chair: Nandini Sarma

- 09:40 Judith Virginia Ríos Arana Chihuahuan Desert Springs: water quality and rotifer diversity in Northern Mexico
- 10:00 Tvrtko Dražina Epizoic rotifers on freshwater crustaceans – a short review and new faunistic data
- 10:20 Jolanta Ejsmont-Karabin „Sleeping beauty” phenomenon in lake rotifers
- 10:40 Coffee break

Patterns in Biodiversity 2

Chair: Judith V. Ríos

- 11:00 Nandini Sarma Seasonal variations of rotifer diversity in a tropical Mexican river (La Antigua, Veracruz)

- 11:20 Scott Mills Cryptic speciation in *Brachionus plicatilis*: Steps towards unravelling a complex web of evolution
- 11:40 Griselda Chaparro Spatial patterns of rotifers diversity in floodplain wetlands
- 12:00 Adam Cieplinski Rotifer cryptic diversity along altitude
- 12:20 Shuyu Gu Described the morphological and ultrastructural features of the spermatozoon of *Brachionus calyciflorus*
- 12:40 Lunch

Concluding Session

- 14:00 Christian D. Jersabek Towards a List of Available Names in Zoology, partim Phylum Rotifera - where do we stand?
- 14:10 Robert L. Wallace, Terry W. Snell Where are you going rotifer family?
- 14:30 Yang Yufeng Next Rotifer Symposium offer: Will we go to China?
- 14:40 Miloslav Devetter **Closing session**
- 15:00 Coffee break
- 15:30 Departure for Hluboká nad Vltavou and symposium dinner
- 16:00 Guided Tour: Hluboká nad Vltavou Chateau
- 18:00 Symposium dinner in South Bohemian Gallery, Hluboká nad Vltavou
- 21:00 Departure to České Budějovice

Saturday, 5th September: Post-conference tour

Option A: Sightseeing in Český Krumlov

- 9:00 Departure to Český Krumlov
- 10:00 Town sightseeing (guided tour)
- 12:30 Lunch in Eggenberg brewery
- 14:00 Český Krumlov chateau
- 17:30 Departure to České Budějovice

Option B: Canoe trip on Vltava River

9:00 Departure from České Budějovice

12:30 Lunch in Eggenberg brewery

17:30 Departure to České Budějovice

Sunday, 6th September – Monday, 7th September: Post conference bdelloid workshop

Sunday, 6th September

9:00 Departure to Martinský Mlýn

10:00 Introduction to determination of bdelloids: Natalia Yakovenko, How to improve the taxonomic reliability of species identification

12:30 Lunch

14:00 Discussing the possibility for common projects - solving the phylogenetic relationships within the group

16:00 Obtaining biogeographic data with a standardised sampling protocol; Implementing cost-effective culturing techniques for more species

19:00 Dinner

20:00 Get together

Monday, 7th September

10:00 Departure to České Budějovice

Poster Programme

In sections in alphabetical order according to the presenting author.

Poster Session 1: Monday, 31st August

Organism functioning

Julie Blommaert: Genome size variation and chromosomal architecture in *Brachionus plicatilis* spp.

Adam Cieplinski: Crossed induction of sex in cryptic species of *Keratella cochlearis*

Ester Eckert: Zooplankton as vehicles for epibiotic bacteria

Raehyuk Jeong: Investigating intraspecific variation in *Brachionus quadridentatus* (Rotifera: Brachionidae) from South Korea

Elizabeth Preza: Predatory behavior and neuroanatomy of a sessile rotifer, *Cupelopsis vorax*

Teresa Ramírez-Pérez: Differential population growth rates of rotifers *Brachionus calyciflorus* and *Brachionus plicatilis* to the amino acid methionine

Integrative and applied research

Anna M. Basińska: Rotifer community as an indicator of peatland experimental warming

Jeonghoon Han: Triclosan causes a reduced life span, reproductive impairment, oxidative stress, and modulated expression of the defensome in the monogonont rotifer *Brachionus koreanus*

Jeonghoon Han: Determination of lethal dose 50 (LD50) in response to gamma radiation in the monogonont rotifer *Brachionus koreanus*

Qichen Jiang: Effects of paraquat and juglone on the two rotifers

Helen S. Marcial: Population growth, size and nutritional content of rotifers isolated from tropical and sub-tropical regions under predicted future seawater temperature and CO₂ conditions

Erick Ochieng Ogello: Mass culture of the rotifer *Brachionus rotundiformis* Tschugunoff using dried foods; application of gamma-aminobutyric acid (GABA)

Ecosystem functioning

Anna M. Basińska: Effect of environmental factors on spring rotifer communities in a meteorite crater pond complex

Adrián Cervantes-Martínez: Shifts in the rotifer community structure: effects of the changes between climatic seasons

Tvrtko Dražina: Impact of water level fluctuation in shaping of plankton community

Esmat Khaleqsefat: Role of environmental conditions on the structure of rotifers in a two different ecosystems using a multivariate canonical correlation analysis (CCA)

Wioleta Kocerba-Soroka: Effectiveness of different species of rotifers in reducing filamentous bacteria in activated sludge

Maria R. Miracle: Rotifer community patterns in different types of Mediterranean ponds

Manuel Eduardo Muñoz-Colmenares: Seasonal variations of rotifers (Rotifera) from the high altitude water body, Llano Dam (State of Mexico, Mexico)

S.S.S. Sarma: The influence of partial removal of the macrophyte *Egeria densa* on the variations of rotifers from a high altitude tropical reservoir in Mexico

Michal Šorf: Rotifers in small water bodies: the combined effects of spatial, temporal and biotic factors

Maria Špoljar: Medium-term alteration of rotifers assemblage in the flow-through system (Papuk Nature Park, NE Croatia)

Yu Feng Yang: Changes in community structure of rotifers in the tidal Guangzhou segment of the Pearl River, China, during 2004–2013

Resting eggs, dormancy and egg banks

Azar Kordbacheh: Diapause, morphology and mating behavior in *Hexarthra* from temporary desert pools

Eva Tarazona Castelblanque: Experimental evolution of sex-related traits in *Brachionus plicatilis* as a response to environmental unpredictability

Poster Session 2: Thursday, 3rd September

Bdelloid rotifers

Miloslav Devetter: *Synketronia* exists! Resurrection of the genus after almost 80 years

Sevil Erdoğan: Limno-terrestrial bdelloid rotifer species from Black Sea region (Havza, Samsun)

Natalia Kuczyńska-Kippen: Bdelloids in small field water bodies: the effect of habitat and level of overshadowing

Marc Llíros: Impact of desiccation and radiation on *Adineta vaga*'s genome

Maite Martin: Examining UV-induced genetic degradation in bdelloid rotifers from semi-arid habitats

Matthieu Terwagne: RNA interference in the bdelloid rotifer *Adineta vaga*

Population studies

Uriel Arreguin Rebolledo: Life table demography and population growth of *Brachionus ibericus* and *Proales similis* in relation to algal (*Nannochloropsis oculata*) density

Rachel Johnston: Moderately lower temperatures greatly extend the life span of the rotifer *Brachionus manjavacas*

Cuijuan Niu: Changes in life history strategy of the rotifer *Euchlanis dilatata*, in relation to temperature, food concentration and maternal age

Alma Rosa Núñez Ortiz: Life history variables of *Brachionus calyciflorus* and *Plationus patulus* (Rotifera) in the presence of the turbellarians *Stenostomum leucops* and *Microdalyellia* sp.

Roberto Rico-Martínez: Biological interactions of three rotifers *Brachionus calyciflorus*, *Lecane quadridentata* and *Asplancha sieboldi* and the oligochaete *Aelosoma* sp.

Roberto Rico-Martínez: Influence of temperature and prey selection on the demography of *Asplanchna brightwellii*

Roberto Rico-Martínez: Life table of four species of the genus *Lecane* (Rotifera: Monogononta)

Stefan Sommer: Are generic early warning signals reliable indicators of population collapse in rotifers?

Xu-Wang Yin: Development time of male and female rotifers with sexual size dimorphism

Biodiversity

Jakub Baczyński : In the footsteps of Jerzy Wiszniewski: Lake Ohrid revisited after 80 years

Mateusz Danilczyk: Rotifera of winter psammon in two lakes of different trophic status

Martha Angélica Gutiérrez-Aguirre: Insular rotifers: species richness and new records (Rotifera: Monogononta) from Cozumel Island, Mexico

Nataliia Iakovenko: Bdelloid rotifers of the James Ross Island, Maritime Antarctica

Marco-Antonio Jiménez-Santos: Taxonomic studies on the sessile rotifers (Rotifera) from Mexico

Dzmitry Lukashanets: The short review of the Bdelloidea fauna of Belarus with indication of some rare species

Ivo Přikryl: Rotifer *Kellicottia bostoniensis* spread already in the Czech Republic

Manuel Serra: Regional population structure at small geographical scale in the rotifer *Brachionus plicatilis*

Georgia Stamou: Taxonomic distinctness patterns of the rotifer communities in Greek lakes

Rahim Tourani: Biodiversity and distribution of rotifer communities (Rotifera, Eurotatoria) in North-West of Iran

Emergency telephone numbers

Police: 158

Fire brigade: 150

Emergency doctor: 155

Emergency telephone number: 112

Cell phone Miloslav Devetter: +420 604 973 379

Cell phone Pavla Robovská (Symposium office): +420 776 377 662

Cell phone Michal Šorf: +420 724 556 965