

## PROGRAM

### *MONDAY 26*

#### GUAYASAMIN ROOM

09:00 - 13:00 : Registration

15:00 - 18:00 : Registration

#### GALA ROOM

18:00 Welcome to the 8 ISFP

19:00 CONFERENCE: ***BIODIVERSITY OF FISH PARASITES IN SOUTH AMERICA: LEARNING FROM OUR HISTORY AND SHAPING THE FUTURE***

Dr. José Luis Luque. Universidade Federal Rural Rio de Janeiro, Brasil

20:00 COCKTAIL

### *TUESDAY 27*

#### GALA ROOM

##### SESSION TAXONOMY AND SYSTEMATIC I

PRESIDENT: R. ADLARD

SECRETARY: G. MUÑOZ

- 08:30 -08:50 Key Note Speaker: Dr. R. Adlard, Perspectives on the taxonomy and systematics of the Myxozoa
- 08:50 - 09:05 Santos, JM., Cavaleiro, F., Teixeira, F. & Martins, M. Amoeba can act as a “silent infection” on the aquaculture european sea bass (*Dicentrarchus labrax* L.)
- 09:05 - 09:20 Sanders, JL., Myers, M.S., Tomanek, L, Oquendo, J. & Kent, M.L. A new *Ichthyosporidium* sp. (Microsporidia) from the gonads of arrow goby (*Clevelandia ios*)
- 09:20 - 09:35 Heiniger, H. & Adlard R. High prevalence and intensity of *Kudoa* sp. (Myxosporea) from the pericardial chamber of apogonid fishes from the Great Barrier Reef, Astralia
- 09:35 - 09:50 Van As, L. & Van As, J.G. Protist-Crustacean-Fish hyperepibiosis
- 09:50 - 10:20 Coffee break

SESSION TAXONOMY AND SYSTEMATIC II

PRESIDENT DR. C. P. SANTOS    SECRETARY DR. J. CARDENAS-CALLIRGO

- 10:20 - 10:40 Key Note Speaker: Dr. C. P. Santos. Monogenean contributions to the International Symposia on Fish Parasites
- 10:40 - 10:55 Paladini, G., Rubio-Godoy, M., Domingues, M.V., Whittington, I. D., Shinn, A. P. & Bron, J. E. A beginner's guide to "flukology"
- 10:55 - 11:10 Domingues, M.V., Diamanka, A. & Pariselle, A. Monogenoids (Diplectanidae, Polyonchoinea) from the gills of mojarras (Perciformes, Gerreidae) with the resurrection of *Neodiplectanum* Mizelle & Blatz, 1941 and the proposal of a new genus
- 11:10 - 11:25 Cohen S. C., Kohn, A & Boeger, W.A. Nine new species of Dactylogyridae parasites of *Salminus brasiliensis* from Paraná river, State of Paraná, Brazil
- 11:25 - 11:40 Paladini, G., Rubio-Godoy, M., Freeman, M. A., Garcia-Vásquez, A. & Shinn, A. P. *Gyrodactylus salmonis*: a strain-ed relationship
- 11:40 - 11:55 Abdullah S.M.A. Checklists of monogeneans parasitizing freshwater fishes of Kurdistan region, Iraq
- 11:55 - 12: 10 Yoon, G.H., Al-Jufaili, S., Al Mazrooei, N., Bron, J.E., Freeman, M.A. & Shinn, A. P. A new genus and species (Microcotylidae; Monogenea) from the gills of *Argyrops spinifer* (Forsskal) (Sparidae; Pisces) from the sea of Oman
- 12:30 - 13:10 CONFERENCE: **FISH PARASITES: FROM LINNAEUS TO MOLECULES**  
Dr. D. T. J Littlewood, Department of Zoology, Natural History Museum, UK.

SESSION TAXONOMY AND SYSTEMATIC III

PRESIDENT D.T.J. LITTLEWOOD

SECRETARY M.E. OLIVA

- 14:30 - 14:50 Key note Speaker Dr. D. T. J Littlewood. Littlewood, D.T.J & Bray, R. A What's needed for a comprehensive molecular phylogeny of the Digenea?
- 14:50 - 15:05 Cavaleiro, F. I., Pina, S., Russell-Pinto, F., Rodrigues, P., Formigo, N.E., Gibson, D.I. & Santos, M. J. A new diplostomid metacercarial genotype from the eye lenses of the European flounder, *Platichthys flesus* (L.) (Teleostei: Pleuronectidae)
- 15:05 - 15:20 Justine, J-L., Rehulková, E. & Briand, M. How to get parasites from moray eels?
- 15:20 - 15:35 Martínez, A. & Pérez - Ponce de León, G. Molecular prospecting of the

genus *Margotrema* spp. (Digenea: Allocreadiidae), parasites of the subfamily Goodeinae freshwater fishes (Cyprinodontiformes: Goodeidae) endemic to central Mexico

16:20 - 18:30 Poster Session I

18:50 - 19:30 CONFERENCE: **FISH PARASITES AND FOOD WEBS**

Dr. K. Lafferty. Marine Science Institute, University of California, Santa Barbara. USA

ANTUNEZ ROOM

SESSION FISH PARASITES AND AQUACULTURE

PRESIDENT K. OGAWA

SECRETARY L. GONZALEZ

08:30 -08:50 Key Note Speaker Dr. K. Ogawa. Control of parasitic diseases of fish in Japanese aquaculture

08:50 - 09:05 Bravo, S. Principle parasites affecting salmonids farmed in freshwater in southern Chile

09:05 - 09:20 González, L. Use of Degree-Day model to estimate the development time of *Caligus rogercresseyi* sea louse and history of its control strategy in Chilean salmon aquaculture

09:20 - 09:35 Kent, M.L., Rossignol, P.A., Jacobson, K.C. & Ferguson, J.A. Mortality of coho salmon (*Oncorhynchus kisutch*) associated with multiple parasite species

09:35 - 09:50 Tripathi, A. Aquarium fish trade and invasive parasitic monogenoids: an Indian perspective

09:50 - 10:20 Coffee break

SESSION FISH PARASITES AND PATHOLOGY

PRESIDENT K. BUCHMANN

SECRETARY L.M. BRADEN

10:20 - 10:40 Key note Speaker Dr. K. Buchmann. Fish parasites and Pathology

10:40 - 10:55 Braden, L. M., Barker, D.E., Ben F. Koop, B.F. & Jones S.R.M. site-specific defense responses in salmon skin elicited by the ectoparasite *Lepeophtheirus salmonis*

10:55 -11:10 Cruz-Quintana, Y., Santana-Piñeros, A. M. & Vidal-Martínez, V. M

- Histopathological damage produced by parasitic helminths in blackcheek tonguefish *Symphurus plagiusa* from the Campeche bank, Mexico
- 11:10 - 11:25 Hallett, S. L., Holt, R. A., Stinson, M. E. T., Banner, C. R., Christie, M. R., Blouin, M. S. & Bartholomew, J. L. No Hatchery Effect on Disease resistance in *Oncorhynchus mykiss*
- 11:25 - 11:40 Hallett, S. L., Holt, R.A., Ray, R. A., Hurst, C. N., Buckles, G., Atkinson, S. D. & Bartholomew, J. L. Linking density of waterborne *Ceratomyxa shasta* with salmon mortality
- 11:40 - 11:55 Pert, C.C, Noguera, P., Bruno D.W., Beck, M. & Williams, C. A prevalence assessment of red vent syndrome in wild Atlantic salmon (*Salmo salar* L.) in the UK
- 11:55 - 12: 10 Kim, S.R., Kim, J.H, Park J.J. & Park, M.A. Characteristic of Parasitic Leech, *Limnotrachelobdella sinensis* and host reaction in Crucian carp, *Carassius auratus*
- 12:10 - 12:25 Shirakashi S., Ishimaru K., Okada, T. & Ogawa, K. Control of blood fluke infections in cultured Pacific bluefin tuna, *Thunnus orientalis*
- 12:30 - 13:10 CONFERENCE (Gala Room)

#### SESSION TAXONOMY AND SYSTEMATIC IV

PRESIDENT F. MORAVEC

SECRETARY L. CARDENAS

- 14:30 - 14:50 Key note Speaker Dr. F. Moravec Achievements of recent studies on philometrid nematodes (Philometridae), important parasites of fishes
- 14:50 - 15:05 Masova, S., Barus, V. & Seifertova, M. Preliminary findings on African species complex *Procamallanus (Procamallanus) laeviconchus* (Wedl, 1862)
- 15:05 - 15:20 May-Tec, A. L., Pech, D., Aguirre-Macedo, M. A., Lewis, J. W. & Vidal-Martínez, V. M. Temporal variation of *Mexiconema cichlasomae* (Nematoda: Daniconematidae) infection in the cichlid fish *Cichlasoma urophthalmus* from Yucatan, Mexico
- 15:20 - 15:35 Yooyen, T., Wongsawad, C. & Moravec, F. Helminths fauna in some marine fish from Gulf of Thailand with two new species of *Cucullanus* Muller, 1777 (Nematoda: Cucullanidae)
- 15:35 - 15:50 Prikrylova, I., Vanhove, M. P. M., Gelnar, M., Volckaert, F.A.M. & Huyse, T. Molecular phylogeny of African gyrodactylid monogeneans
- 15:50 - 16:20 Coffee Break
- 16:20 - 18:30 Poster Session I

18:50 - 19:30 CONFERENCE (Gala Room)

**WEDNESDAY 28**

GALA ROOM

SESSION EVOLUTION AND CO-SPECIATION

PRESIDENT R. POULIN

SECRETARY J.L. LUQUE

- 08:30 -08:50 Key Note Speaker Dr. R. Poulin. Putting some ecology back into host-parasite cophylogenetic studies: interaction frequency in geographic space
- 08:50 - 09:05 Benesh, D. Optimality, microevolutionary, and macroevolutionary perspectives on the life cycle of *Schistocephalus solidus*
- 09:05 - 09:20 Cepeda, P. B., Mendoza-Franco, E. F., Ceccarelli, P.S. & Luque, J.L. Morphological variation of *Characithecium costaricensis* (Monogenoidea: Dactylogyridae): is an evidence of initial steps of speciation?
- 09:20 - 09:35 Schoelinck, C., Samadi, S. & Justine, J. L. Speciation studies within congeneric monogenean parasites
- 09:35 - 09:50 Vanhove, M.P.M, Snoeks, J., Volckaert, F.A. M. & Huyse, T. Monogenean speciation under host radiation: cichlids and gobies through the magnifying glass
- 09:50 - 10:05 Vignon, M. Is host-switch stressful for parasites? Host-parasite evolutionary history affects the degree of fluctuating asymmetry in the attachment apparatus of gill parasites
- 10:05 - 10:35 Coffee break

SESSION EPIDEMIOLOGY

PRESIDENT B. NOWAK

SECRETARY R.M. TAKEMOTO

- 10:35 - 10:55 Key Note Speaker. Dr. B. Nowak . Epidemiology of parasitic diseases in fishes
- 10:55 - 11:10 Okoye, I. C., Abu, S.J., Obiezue, R.N.N., Amoke, C.O., Ubachukwu, P.O. & Ugbomoiko, U.S. Aspects of biology and parasitic infections of fishes in Agulu Lake, South Eastern Nigeria
- 11:10 – 11:25 Pert, C.C., Weir, S.J., Jones, S.R.M & Bricknell I. R. The Role of Three-spined Sticklebacks in *Lepeophtheirus salmonis* (Krøyer, 1837) Transmission in Scottish Sea Lochs
- 11:25 - 11:40 Ab Aziz, R., Walker, A., Williams, C., Aprahamian, M. & Brooks, D.

- Monitoring *Anguillicoloides crassus* infections in the European el, *Anguilla anguilla*, within UK river systems
- 11:40 - 11:55 Rahemo, Z. I. F. Parasitic fauna of the freshwater fish (arath) *Acanthobrama marmid* caught from River Tigris passing through Mosul City, Iraq.
- 11:55 - 12:10 Antar, R., Gargouri ben Abdallah, L. & Maamouri, F. Digenean fauna diversity in teleost fish from Bizerte lagoon in the North east off Tunisia
- 12:10 – 12:25 Lester, R. J. G. Frequency distributions revisited
- 12:40 - 13:20 CONFERENCE: **ARE WE EVER GOING TO FIGURE OUT WHY SOME FISH SPECIES HAVE MORE PARASITE SPECIES THAN OTHERS?**  
Dr. R. Poulin. Department of Zoology, University of Otago, New Zealand.
- 14:30 - 16:30 Poster Session

#### ANTUNEZ ROOM

#### SESSION BIODIVERSITY OF FISH PARASITES I

PRESIDENT T. SCHOLZ

SECRETARY R. CHAVEZ

- 08:30 -08:50 Key Note Speaker. Dr. T. Scholz. Hot spots of cestode diversity in teleost fish: a brief summary of the systematic studies on fish tapeworms
- 08:50 - 09:05 Van As, J.G. & Van As, L.L Parasite-host associations of African freshwater fish
- 09:05 - 09:20 Nie, P. Diversity of helminth parasites in fish in flood-plain lakes of the Yangtze River
- 09:20 - 09:35 Gargouri Ben Abdallah, L., Antar, R. & Maamouri F. Digenean species diversity in labrid and sparid fish from Tunisian coasts
- 09:35 - 09:50 Tombi, J. & Bilong C. F. Microhabitat of *Dactylogyrus* (Monogenea) and *Myxobolus* (Myxosporidia) gill parasites of *Barbus martorelli* Roman, 1971 (Teleostei: Cyprinid) in the Centre Region, Cameroon
- 09:50 - 10:05 Smit, N. J, Grutter, A. S. & Davies, A. J. Biodiversity and ecology of fish parasitic gnathiid isopods and fish blood protozoans from Lizard Island, Great Barrier Reef, Australia
- 10:05 - 10:35 Coffee break

SESSION BIODIVERSITY OF FISH PARASITES II

PRESIDENT V.M. VIDAL-MARTINEZ

SECRETARY A.L. LANFRANCHI

- 10:35 - 10:55 Key Note Speaker Dr. V. M. Vidal-Martinez. Fish parasites in the neotropics  
 10:55 - 11:10 Civanova K., Navratilova P, Costedoat C., Gilles A. & Simkova A The variability of MHC genes and parasite diversity in two cyprinid species, *C. toxostoma* and *C. nasus*, in hybrid zone  
 11:10 – 11:25 Ribeiro, T. S., Da Silva E., Perez M. A., Gealh, A.M. & Takemoto, R. M. Research of the parasite fauna of *Astyanax* aff. *fasciatus*, collected on the Sao Joao river, Parana, Brazil  
 11:25 – 11:40 Pérez-Ponce de León, G. The search for cryptic species in freshwater fish helminth parasites in Mexico: The classical taxonomy to holistic approach and back to classical taxonomy  
 11:40 – 11:55 Salgado-Maldonado, G. Central America is an area of endemism for the helminth parasites of freshwater fish  
 11:55 – 12:10 Bagherpour, A. Prevalence and intensity of internal parasitic helminthes infected of black sole fish, *Brachirus orientalis* (Bloch & Schneider, 1801) in Persian Gulf  
 12:10 – 12:25 Justine, J-L. How many parasites are there on coral reef fish?  
 12:40- 13:20 CONFERENCE (Gala Room)  
 14:30 - 16:30 Poster Session II

**THURSDAY 29**

GALA ROOM

SESSION ECOLOGY AND BIOGEOGRAPHY OF FISH PARASITES I

PRESIDENT M. GEORGE-NASCIMENTO

SECRETARY D.M.P. CANTATORE

- 08:30 -08:50 Key note Speaker Dr. M. George-Nascimento. George-Nascimento, M., Oliva, M. E. & Carvajal, J. Spatial and temporal variability of parasite infracommunities in marine fish species differing in body mass  
 08:50 - 09:05 Arnott, S., Dykova, I., Roumillat, W. A. & de Buron, I. Population dynamics of endoparasites of the spotted seatrout, *Cynoscion nebulosus*  
 09:05 - 09:20 Emde S. Ecological impact of invasive Ponto-Caspian fish and amphipod species on the distribution of Acanthocephala in the river Rhine (Germany)

- 09:20 - 09:35 Lacerda, A. C. F., Takemoto, R. M., Tavares-Dias, M., Poulin, R. & Pavanelli, G. C. Endoparasites of two invasive fish species, *Cichla piquiti* (Cichlidae) and *Plagioscion squamosissimus* (Sciaenidae), in native and invaded Brazilian basins: testing the enemy release hypothesis
- 09:35 - 09:50 Muñoz, G., Cortés, Y. & Delorme, N. Parasite communities in fishes from the intertidal rocky zone of central Chile: comparison between temporal and resident fish
- 09:50 - 10:05 Soler-Jiménez, L. C. & Fajer-Ávila E. J. Microhabitat selection of dactylogyrids (Monogenea: Dactylogyridae) on the gills of wild spotted rose snapper *Lutjanus guttatus* (Lutjanidae) from Mazatlan Bay, Mexico
- 10:05 - 10:35 Coffee break

#### SESSION ECOLOGY AND BIOGEOGRAPHY OF FISH PARASITES II

PRESIDENT M.T. GONZALEZ

SECRETARY F. SEPULVEDA

- 10:35 - 10:55 Key note Speaker Dr. M. T. González. Are there latitudinal patterns in fecundity and body size of digenean species in littoral fishes from southeastern Pacific?
- 10:55 – 11:10 Dick, T. A. & Gallagher, C. Ninespine stickleback *Pungitius pungitius* from southern Baffin island: biogeography, parasites and trophic structure
- 11:10 – 11:25 Huysse, T., Bristow, G.A., Hellems, B., Volckaert, F.A.M., Bell, M.A., & Raeymaekers, J.A.M. Monogenean parasites reveal ongoing long-distance migration of their three-spined stickleback host
- 11:25 – 12:40 Kuhn, T. Zoogeography of zoonotic *Anisakis* spp. (Anisakidae, Nematoda) in different climate zones
- 12:40 - 12:55 Kuchta, R. & Scholz, T. Geographical distribution and host specificity of the Asian fish tapeworm *Bothriocephalus acheilognathi* Yamaguti, 1934
- 12:55 – 12:10 Santana-Piñeros, A. M., Pech, D. & Vidal-Martínez, V. M. Quantifying the spatial and environmental variation of the parasite communities of Blackcheek tonguefish (*Symphurus plagiusa*) in the southern Gulf of Mexico
- 12:30 - 13:10 CONFERENCE: **ADVANCES AND TRENDS ON ANISAKID NEMATODES AND ANISAKIDOSIS**  
Dr. S. Mattiuci and G. Nascetti, Università di Roma "La Sapienza", Italy

#### SESSION FISH PARASITES: ANOTHER VIEW

PRESIDENT S. KLIMPEL

SECRETARY J.T. TIMI

- 14:30 - 14:50 Key Note Speaker Dr. S. Klimpel, Fish parasites in extreme environment  
 14:50 - 15:05 Conn, D. B. Global Public Health Implications of Human Sparganosis  
 15:05 - 15:20 Levsen, A., Mattiucci, S., Paoletti, M. & Nascetti, G. Occurrence and distribution of anisakid nematodes in capelin (*Mallotus villosus*) from the Barents Sea: product quality and food safety considerations  
 15:20 - 15:35 Avenant-Oldewage A. Pathology caused by the Branchiura in relation to the digestive system morphology  
 15:35 - 15:50 Timi J.T. & Lanfranchi A. L. Ontogenetic changes in heterogeneity of parasite communities of fish: disentangling the relative role of compositional vs abundance variability
- 15:50 - 16:20 Coffee Break
- 16:20 - 18:00 Poster Session III
- 18:10 - 18:50 CONFERENCE: **PARASITES AND FISHERIES**  
 Dr. K. MacKenzie, Department of Zoology, University of Aberdeen, UK

#### ANTUNEZ ROOM

#### SESSION FISH PARASITES AND FISHERIES I

PRESIDENT J.T. TIMI

SECRETARY V. HENRIQUEZ

- 08:30 - 08:50 Key Note Speaker. Dr. J. T. Timi, Parasites as biological tags for fish stock assessment: limitations and perspectives  
 08:50 - 09:05 Cañas L., Sampedro, M. P., Farina, A. C. & Llevot, M. J. Spatial distribution patterns of three anisakid nematode parasites of anglerfish *Lophius piscatorius* and their potential application in stock identification studies.  
 09:05 - 09:20 Espínola-Novelo, J.F., Mackenzie, K., Gonzalez-Salas, C. & Guillén-Hernández.S. Infracomunities of metazoan parasites as a tool for stock identification of *Mycteroperca bonaci* (Poey, 1960) (Epinephelidae) off the coast of Yucatán México  
 09:20 - 09:35 Henriquez, V., González, M.T., Licandeo,R. & Carvajal, J. Metazoan parasite communities of rock cod, *Eleginops maclovinus*, and their use as biological tags at local and regional scale  
 09:35 - 09:50 Llarena-Reino, M., Abollo, E., Maroto, J., Sieiro, P. & Pascual, S. Software development for management of parasitized fish stocks and products.  
 09:50 - 10:05 Moore, B. R. & Lester, R. J. G. Spatial variation in parasites of king threadfin (*Polydactylus macrochir*) and blue threadfin (*Eleutheronema tetradactylum*) in Australian waters; implications for fisheries

10:05 - 10:35 Coffee break

SESSION FISH PARASITES AND FISHERIES II

PRESIDENT J.T. TIMI

SECRETARY V. HENRIQUEZ

10:35 - 10:55 Kappalli, S., Aneesh, P.T., Keethadath, A. & Gopinathan, A. Studies on a Parasitic Copepod infesting edible seer fish population (*Scomberomorus guttatus*) of Malabar (Kerala, India)

10:55 - 11:10 Reed, C.C., MacKenzie, K., & van der Lingen, C.D. Parasites as biological tags for South African sardines

11:10 - 11:25 Oliva, M. E. & Cuello, D. *Sprattus fuegensis* a small pelagic fish with a high burden of the nematode *Hysterothylacium* sp.

11:25 - 11:40 Cavaleiro, F. I., Ho, J-S & Santos, M.J. The seasonal infection dynamics of *Octopicola superba* in the common octopus, *Octopus vulgaris*

12:30 - 13:10 CONFERENCE (Gala Room)

**FRIDAY 30**

GALA ROOM

SESSION LIFE CYCLE I

PRESIDENT G.T.R. SOUZA

SECRETARY C GILORDANI

09:05 - 09:20 Halajian, A., Tavakol, S., Mortazavi, P., Shokoofeh, S. & Luus-Powell, W. *Clinostomum complanatum* in birds, a potential pathogen for fishes, Iran

09:20 - 09:35 Hodova, I., Valigurova, A., Koubkova, B. & Gelnar M. *Eudiplozoon nipponicum*: host-parasite interactions in blood-feeding diplozoids

09:35 - 09:50 Kocan, R., Hershberger, P., Hart, L. & LaPatra, S. Early Development of *Ichthyophonus* in Two Fish Hosts; From Circulating Blood Stage to Fully Mature Tissue Schizonts

09:50 - 10:05 Poynton, S. L. & Fard, M. R. S. *Spiroucleus salmonis*: adhesive flagella initiate clustering of trophozoites and clusters of cysts – new observations on adaptations for enhanced infectivity

10:05 - 10:35 Coffee break



SESSION LIFE CYCLE II

PRESIDENT G.T.R. SOUZA

SECRETARY C GILORDANI

- 10:35 - 10:55 Repulles-Albelda A., Raga, J.A. & Montero, F.E. The three growth periods of microcotylid
- 10:55 - 11:10 Souza, G.T.R., Minte-Vera, C. V., Dias, M. L., Yamada, F. H. & Takemoto R. M. Parasites as markers of the trophic position of fish and birds in the floodplain of the high Parana River, Brazil.
- 11:10 – 11:25 Souza, G. T. R., Dias, M. L., Machado, M. H., Silva, E. S., Takemoto, R.M. Development of metacercariae of *Clinostomum* sp. (Digenea: Clinostomidae) into ovigerous adults using experimental host.

12:30 : Closing Ceremony.

POSTERS

**TUESDAY 27**  
 POSTER SESSION I

- 1.- Jerônimo, G. T., Marchiori, N.C., Tamporoski, B. R. F., Ishikawa, M. M. & Martins, M. L. First report of *Trichodina colisae* (Ciliophora: Trichodinidae) in pacu (*Piaractus mesopotamicus*) cultured in Brazil
- 2.- Kozłowski, R., Abdallah, V.D., Da Silva, R. J. & Carvalho, E. D. *Henneguya* spp. parasitizing *Cyphocharax nagelii* (Steindachner, 1881), *Prochilodus lineatus* (Valenciennes, 1837) and *Steindachnerina insculpta* (Fernández-Yépez, 1948) (Characiformes) from the Peixes river, State of Sao Paulo
- 3.- Reed, C.C., Bartošová, P., Fiala, I. & Dyková, I. Preliminary results of a population study on *Ceratomyxa cottoidii* from South Africa
- 4.- Zhang, J. & Li, A. Molecular detection of *Myxobolus ampullicapsulatus* in pond-cultured allogynogenetic gibel carp, *Carassius carassius gibelio* in China
- 5.- Abdallah, V. D., Kozłowski, R., Da Silva R. J. & Carvalho, E. D. Diversity of monogeneans parasites of fish from the Peixe's river, State of Sao Paulo, with news records for Brazil
- 6.- Crafford, D., Avenant-Oldewage, A. & Luus-Powell, W. J. Does size matter? The case of the lesser-endowed monogeneans
- 7.- De Melo, M.F.C., Santos, C. P. & Santos J.N. A new genus and species of monogenean (Dactylogyridae) from the gills of *Satanoperca jurupari* (Heckel) (Cichlidae) in the Guamá River, Amazon delta, Brazil
- 8.- Ferreira, R. C., Silva, M.B. & Boeger, W.A.P. Can DNA help defining morphological diagnostic characters for generic groups within a polyphyletic *Gyrodactylus* (Gyrodactylidae, Monogenoidea)?
- 9.- Marcotegui, P., Montes, M. & Martorelli, S. New *Polyclithrum* (Monogenea: Gyrodactylidae) from external surface of *Mugil liza* (Mugilidae) from Samborombón Bay, Argentina
- 10.- Matla, M.M., Mashego, S. N. & Mokgalong, N. M. Monogenea of the genus *Dactylogyrus* from South Africa
- 11.- Prikrylova, I., Blazek, R. & Vanhove, M.P.M. The description of five new species of *Gyrodactylus* Nordmann, 1832 (Monogenea: Gyrodactylidae) parasitizing African catfishes
- 12.- Santos, C. P., Miranda, D.F., Cunha, L.F.G. & Santos, E.G.N. Confocal laser scanning microscopy of *Gotocotyia acanthura* (Monogenea: Gotocotyliidae)
- 13.- Sepúlveda, F., López, Z. & González, M.T. *Neobenedenia* spp. (Monogenea: Capsalidae) in fishes from Chilean coast as a potential pathogen in culture of *Seriola lalandi*.
- 14.- Sepúlveda F., González M.T. & Oliva M.E. The genus *Encotyllabe* sp. (Capsalidae, Encotyllabinae) in fishes from Chilean coast with proposal of two new species

- 15.- Vanhove, M.P.M., Van den Broeck, F., Snoeks, J., Volckaert, F.A.M., Pariselle, A. & Huysse, T. Extending knowledge on monogenean fauna of riverine cichlids to the heart of Africa
- 16.- Mouahid, G., Faliex, E., Allienne, J.F., Cribb, T.H. & Bray, R.A. *Proctophantastes nettastomatis* (Digenea: Zoogonidae) from Vanuatu deep-sea fish: new morphological features, allometric growth and phenotypic plasticity aspects
- 17.- Fernandes, B. M., Mota, A. M. & Malta, J.C.O. A new genus of Macroderoididae McMullen, 1937, digenean parasite of *Hoplosternum littorale* (Hancock, 1828) (Pisces: Callichthyidae) from Amazonas State, Brazil
- 18.- Ostrowski de Núñez, M., Arredondo, N. J. & Gil de Pertierra, A. A. Two new species of *Parspina* Pearse, 1920 (Digenea, Cryptogonimidae) from freshwater fishes (Gymnotiformes) of the Paraná River basin in Argentina
- 19.- Justo, M.C.N., Mendonça, H. S., Cohen, S. C. & Fernandes, B. M. M. New genus of Cryptogonimidae, a digenean parasite of *Rhaphiodon vulpinus* (Pisces: Cynodontidae) from Brazil
- 20.- Martorelli, S. R., Montes, M., Alda P, & Marcotegui, P. First record of *Diptherostomum brusinae* (Digenea: Zoogonidae) in juveniles of *Micropogonias furnieri* (Pisces: Scienidae) in Argentina
- 21.- Pazooki, J., Khosheghbal, M. & Masoumian, M. Digenean parasites from *Otolithes ruber* in north west of Qeshm Island, Iran
- 22.- Arredondo N. J. & Gil de Pertierra, A. A. New proteocephalidean cestode (Proteocephalidea: Proteocephalidae), parasite of the Callichthyidae (Pisces: Siluriformes) from the Paraná River basin, Argentina
- 23.- Gil de Pertierra, A. A., Incorvaia, I. S. & Arredondo, N. J. Two new species of *Clestobothrium* (Cestoda: Bothriocephalidea), parasites of *Merluccius australis* and *M. hubbsi* (Gadiformes: Merlucciidae) from the Patagonian shelf of Argentina
- 24.- Borges, J.N., Cunha, L.F.G., Santos, H.L.C., Monteiro-Neto, C. & Santos, C. P. Morphological and molecular characterization of *Anisakis* larvae (Nematoda: Anisakidae) in cutlass fish *Trichiurus lepturus* (L.) from Brazilian waters
- 25.- Braicovich, P.E., Lanfranchi, A.L., Luque, J.L. & Timi JT. About the difficult systematic position of an Acanthocephalan of the round scad, *Decapterus punctatus* (Cuvier 1829) from Brazil
- 26.- De Melo, M.F.C., Santos, J.N., Giese E.G., Santos, E.G.N. & Santos, C. P. A new species of *Raphidascaris* (Sprenstascaris) (Nematoda: Anisakidae) from the fish *Satanoperca jurupari* (Osteichthyes: Cichlidae)
- 27.- Fernandes, B. M. M., Mota, A. M., Malta, J.C.O. & Cárdenas, M. Q. A new species of *Philometra* Costa, 1845 (Nematoda: Philometridae) from *Pygocentrus nattereri* (Kner, 1858) (Characiformes: Serrasalminae) a freshwater Amazonian fish, Brazil
- 28.- Halajian, A., Paoletti, M., Nascetti, G., Tavakol, S., Mattiucci, S. Molecular identification of species of genus *Contraecaecum* (Nematoda: Anisakidae) maturing in fish-eating birds of Northern Iran

- 29.- Lacerda, A.C. F., Takemoto, R. M. & Pavanelli, G. C. New species of *Cucullanus* (Nematoda: Cucullanidae), parasite of the intestine of *Cichla piquiti* (Perciformes: Cichlidae) from Tocantins river, Brazil
- 30.- Masova, S. & Barus, V. *Procamallanus* (*Spirocamallanus*) *spiralis* (Camallanidae) in new host and locality - SEM and LM observations
- 31.- Rossin, M.A., Incorvaia, I. S. & Timi, J. T. A new species of *Neoascarophis* (Cystilicolidae), a parasite of *Macrourus carinatus* (Günther) from Patagonian waters.
- 32.- Timi, J. T., Mattiucci, S., Paoletti, M., Lanfranchi, A. L., Alarcos, A. J., Garbin, L., George-Nascimento, M. & Nascetti, G. Molecular identification of *Pseudoterranova cattani* and *P. decipiens* E (Nematoda: Anisakidae) from fishes of the Austral region: morphological and ecological characterization
- 33.- Cantatore, D. M. P., Lanfranchi, A. L. & Timi, J. T. New species of *Acanthochondria* (Copepoda: Chondracanthidae) parasitizing the longtail southern cod, *Patagonotothen ramsayi* (Perciformes: Nototheniidae) from patagonian waters, Argentina
- 34.- Gao, Q., Peng, G-X., Luo Y-L. & Nie P. Mitochondrial genes of *Sinergasilus polycolpus* (Copepoda, Ergasilidae) parasitizing the gills of fish
- 35.- Cavaleiro, F.I., Ho, J-S & Santos, M.J. An updated key to species of *Octopicola* (Crustacea: Copepoda: Octopicolidae)
- 36.- Hadfield, K.A., Bruce, N. L. & Smit, N. J. *Cymothoa* isopods parasitic on marine fishes in the South Western Indian Ocean, including records of two new species.
- 37.- Alfjorden, A. Swedish investigations of parasitic infections in farmed and wild perch (*Perca fluviatilis*) collected from the northern county of Västerbotten down to the coastal waters of Östergötland
- 38.- Antonucci, A.M., Takemoto R.M., Lopes, L.P., Yamada, F.H. & Pavanelli, G.C. Identification of parasites commercialized as ornamental fish in the city of São Paulo, Brazil
- 39.- Boijink, C. de L., Crescencio, R., Da Silva, E. C. & Inoue, L.A.K.A. Use of mebendazole for monogenea control during transport of Tambaqui (*Colossoma macropomum*)
- 40.- Chagas, E. C., De Araujo, L. D., Gomes, L.D., Malta, J.C. & Varella, A.M.B. Salt effect on physiological responses and monogenean control in tambaqui (*Colossoma macropomum*)
- 41.- Civanova, K., Davidova, M., Visner, R., Flajshans, M. & Simkova, A.V. The effect of fish ploidy level on the structure of metazoan parasite communities of tench (*Tinca tinca* L.)
- 42.- Franceschini, L., Zago, A. C., Schalch, S.H.C, Garcia, F., Romera, D. M. & da Silva, R. J. Parasitic infections in the production of pacu *Piaractus mesopotamicus* and hybrid patinga from the Northwest of São Paulo State, Brazil
- 43.- Garcia, F., Romera, D. M., Schalch, S. H. C., Gozi, K. S., Onaka, E. M. & Portella, M. C. Prevalence of *Trichodina* parasite in different stocking densities of Nile tilapia in cages

- 44.- Jerônimo, G. T., Ventura, A.S., Gonçalves, E. L.T., Tamporoski, B. R. F., Martins, M. L. & Ishikawa, M. M. Parasitic fauna of hybrid siluridae fishes of different hatchery stages in Brazil
- 45.- Müller, M. I., Carriero, M.M., da Silva, M. R. M., Ceccarelli, P. S., Adriano, E. A. & Ueta, M.T. Ultrastructural and Molecular Analysis of *Henneguya piaractus* (Myxosporea) parasite of gills of cultivated *Piaractus mesopotamicus* (Characidae) in Brazil
- 46.- Romera, D. M., Schalch, S.H.C., Garcia, F. Gozi, K.S., Fonseca, F.S. & Candeira, P. G. Prevalence of *Trichodina* sp. (Protozoa: Ciliophora: Peritrichia) and monogenean (Helminth: Dactylogyridae: Monogenea) of Nile Tilapia reared in cages placed in hydroelectric reservoirs, São Paulo Brazil
- 47.- Sahandi, J., Shohreh, P. & Jafariyan, H. *Argulus* (*Argulus pellucidus*) parasite, usual disease of Gold fishes.
- 48.- Sanchez-Garcia, N., Ahuir-Baraja, A. E., Raga, J. A. & Montero, F. E. Preliminary study of the increased susceptibility of *Sparus aurata* to the monogenean *Furnestinia echeneis* after hydrocortisone administration
- 49.- Severino, R., Davies, A. J. & Santos, M. J. Sporogonic stages of an *Eimeria* sp. infecting cultured sea bass (*Dicentrarchus labrax* L.), in South Portugal.
- 50.- Zago, A. C., Franceschini, L., Garcia, F. & Da Silva, R. J. Ectoparasites of “tilápia-do-Nilo” (*Oreochromis niloticus*) cultivated in fish cage in Grande River, Água Vermelha Reservoir, Brazil

**WEDNESDAY 28**  
POSTER SESSION II

- 1.- Iannacone, J., Alvarino, L. & Cárdenas-Callirgos, J. Parasite community of cabinza grunt *Isacia conceptionis* (Cuvier and Valenciennes, 1830) (Perciformes: Haemulidae) in the zone of Chorrillos, Lima, Peru
- 2.- Iannacone, J., Alvarino, L. & Cárdenas-Callirgos, J. Interannual variations of metazoan parasite communities of Peruvian morwong *Chirodactylus variegatus* (Valenciennes, 1833) (Perciformes: Cheilodactylidae) in the zone of Chorrillos, Lima, Peru
- 3.- Sánchez, L., Suyo, B., Salizar, P. & Ñacari, L. Contributions to knowledge of helminths of *Spherooides annulatus* (Jenyns, 1842) (Tetraodontiformes) from mangrove, Tumbes, Peru.
- 4.- Alarcos, A.J. & Timi, J.T. Parasite communities in three sympatric flounders (Pleuronectiformes: Paralichthyidae): similar ecological filters driving to repeatable assemblages
- 5.- Braicovich, P.E. & Timi J.T. Multivariate dispersions of composition vs abundance as drivers of beta diversity in parasite assemblages of *Serranus auriga* (Serranidae) along host ontogeny

- 6.- Cantatore, D. M. P., Tringali, L. S. & Timi, J. T. Parasite infracommunities of *Helicolenus lahillei* Norman, 1937 (Scorpaeniformes. Sebastidae) in Southwest Atlantic Ocean
- 7.- Cantatore, D. M. P., Braicovich, P. E., Alarcos, A. J., Lanfranchi, A.L., Rossin, M. A. & Timi, J. T. New records of parasitic copepods (Crustacea: Copepoda) from marine fishes in the Argentinean Sea
- 8.- Silva, A., Castro, R., Cavaleiro, F. & Santos, M. J. Helminths of Atlantic chub mackerel, *Scomber colias* Gmelin 1789, and Atlantic mackerel, *S. scombrus* Linnaeus 1758, useful as biological tags of host feeding ecology
- 9.- Cohen, S.C., Campos, T. O., Fernandes, B. M. M. & Cárdenas, M. Q. Monogenoidea from *Centropomus* spp.: salinity influences species richness?
- 10.- Henriquez, V., González, M. T. & Irribarren P. Metazoan parasite assemblages of sea bass *Paralabrax humeralis* (Serranidae) from Northern Chile
- 11.- Hernández-Orts, J.S., Juan, A., Crespo, E. A., Montero, F. E., Raga, J.A. & Aznar, F. J. Population structure of *Corynosoma australe* (Acanthocephala: Polymorphidae) in paratenic fish hosts from Patagonia, Argentina
- 12.- Kilian, E. & Avenant-Oldewage, A. Distribution of *Ergasilus* sp. on the gills of *Lamprichthys tanganicus* collected from Lake Tanganyika
- 13.- Kuhn, T., García-Márquez, J., Busch, M. W. & Klimpel, S. Zoogeography and genetic variability of zoonotic *Anisakis* spp. (Anisakidae, Nematoda) in different climate zones
- 14.- López, D. & George-Nascimento, M. An experimental approach to the study of persistence in parasite assemblages of intertidal fish assemblages of Chile
- 15.- Montes, M., Marcotegui, P. & Martorelli, S. A Bayesian comparison of two helminthes population in juveniles of *Mugil liza* from Samborombon bay, Argentina
- 16.- Moya-Alcover, C. M., Montero, F.E. & Carrassón, M. Parasites of Gadiform fish species from Western Mediterranean
- 17.- Pérez-del-Olmo, A, Morand, S., Raga, J.A. & Kostadinova, A. Taylor's power law for marine parasites: the importance of taxonomy and ecology of transmission
- 18.- Pérez-del-Olmo, A., Dangel, D. R. & Sures, B. Effect of water temperature on parasite communities of brown trout, *Salmo trutta fario*, in Central Europe
- 19.- Vardic, I., Valic, D., Kapetanovic, D., Gjurcevic, E. & Teskeredzic, E. Distribution and molecular characterization of acanthocephalan parasites from freshwater fish in Croatian rivers
- 20.- Al-Atiya, S., Williams, C. & Brooks, D. *Pseudodactylogyus* spp. in wild eel populations of the United Kingdom
- 21.- Cohen, S. C., Fernandes, B. M.M., Justo, M. C. N., Dos Santos, A. L. & Cárdenas, M. Q. Helminth parasites of *Ctenosciaena gracilicirrhus* (Metzelaar, 1919) (Perciformes: Scianidae) from the coast off Angra dos Reis, Rio de Janeiro State, Brazil
- 22.- Faliex, E., Amilhat, E., Virag, L., Accou, A., Feunteun, E. & Sasal, P. First european extensive study on silver eels (*Anguilla anguilla*) infected by the pathogenic invasive nematode, *Anguillicoloides crassus*
- 23.- Irribarren, P., López, Z. & González, M. T. Characterization of *Caligus* species found in fishes from northern Chilean coast

- 24.- Lemos, M. & Souto-Padron, T. Dynamics of infection of trypanosomes found in *Hypostomus affinis* and *Haementeria* sp.
- 25.- Lemos, M. & Souto-Padron, T. Developmental forms of trypanosomes from fishes hosts *Hypostomus affinis* and *Hypostomus luetkeni* and of the leech *Haementeria* sp.
- 26.- Martins, M. L., Dehai, X., Shoemaker, C. & Klesius, P. Coinfection by *Edwardsiella ictaluri* and *Ichthyophthirius multifiliis* affects hematology and survival in channel catfish *Ictalurus punctatus*
- 27.- Pascual, S., Ragueira, M., Bao, M., Vello, C., Outeiriño, L. & González, A.F. Spatial epidemiology of *Anisakis* in Atlantic waters: systematic review and GIS
- 28.- Sahandi, J., Shohreh, P. & Qolipour, M. Increasing of temperature for *Oodinium* disease treatment in marine fishes
- 29.- Yactayo-Flores, A. & Sánchez, L. Helminth endoparasites of *Odontesthes regia* (Pisces: Atherinopsidae) from the central coast of Peru
- 30.- De Azambuja, L. P. & Boeger W.A.P. Using ecological network analysis to test predictions on the limitation of host-switch by oviparous Gyrodactylidae
- 31.-Valdivia, I.M., Criscione, C., Cárdenas, L. & Oliva, M.E. What factors affect the genetic diversity of a progenetic trematode at local scale? *Proctoeces cf lintoni* as a study model
- 32.- Barciová, T., Hanzelová, V. & Miklisová, D. Sensing of polychlorinated biphenyls in heavily polluted water reservoir in Eastern Slovakia using fish and their intestinal parasite *Acanthocephalus lucii*
- 33.- Hanzelova, V., Barsiova, T. & Oros, M. Abnormalities of the strobilar morphology in *Proteocephalus percae* from perch (*Perca fluviatilis*) in degraded aquatic environment.
- 34.- Luus-Powell, W., Jooste, A. & Addo-Bediako, A. Biomonitoring the fish health and parasites at two impoundments in the Olifants river, Limpopo Province
- 35.- Luus-Powell, W., Jooste, A., Smit, W., Madanire-Moyo, G. & Addo-Bediako, A. Diversity of metazoan parasites of the silver catfish and mozambique tilapia as indicator of pollution from the Olifants river, South Africa
- 36.- Mateu, P., Repullés-Albelda, A., Carrassón, M. & Montero, F. E. Parasitofauna of *Bathypterois mediterraneus* (Osteichthyes: Ipnopidae) from western Mediterranean waters
- 37.- Oda, F. H., Lopes, L. P., Antonucci, A. M. & Takemoto, R. M. Parasites of the kilifish *Rivulus apiamici* Costa, 1989 (Cyprinodontiformes: Rivulidae) as bioindicators of anthropogenic impact in two streams from upper Paraná River basin, Brazil.
- 38.- Olivier, P.A.S., Madanire-Moyo, G. N. & Luus-Powell, W. J. Monogenean communities of *Clarias gariepinus* and *Oreochromis mossambicus* as bioindicators of pollution
- 39.- Rodriguez, S. M., D' Elia, G. & George-Nascimento, M. New host and geographical record for *Mooleptus rabuka* (Nematoda: Gnathostomatidae) in the largenose catshark *Apristurus nasutus* (Carchariniformes: Scyliorhinidae) off Juan Fernandez Archipelago, Chile

- 40.- Aldana M., Garcia-Huidobro M. R., Espinoza, G. & Marquet, P. A. How important is *Sicyases sanguineus* in the life cycle of *Proctoeces lintoni* in the intertidal of central Chile?
- 41.- Braga, M. P., de Oliveira, R. N. & Boeger, W.A.P. Testing origin of the first “daughter” of viviparous Gyrodactylidae
- 42.- Gregori, M., González, A.F. & Pascual, S. Intermediate hosts for fish parasites in Galician waters
- 43.- Busch, M.W., Kuhn, T. & Klimpel, S. Biodiversity of zooplankton off the coast of Namibia and its role as intermediate host of fish parasitic *Hysterothylacium aduncum*
- 44.- Emde, S., Verweyen, L. & Klimpel, S. Aquatic invasive species of the Rhine River (Germany) and their function as parasite hosts
- 45.- Repulles-Albelda, A., Raga, J.A & Montero, F.E. Blood or yolk: early post-larval development of the digestive system of *Sparicotyle chrysophrii* (Monogenea, Polyopisthocotylea)
- 46.- Rossi, G., Mele, S., Addis, P., Cau, A., Rodriguez-Marin, E. & Montero, F.E. Life strategies of adult didymozoids (Trematoda)
- 47.- Rangel, L. F & Santos, M. J. *Deropristis inflata* (Digenea: Deropristidae), an eel parasite in its prey, *Nereis diversicolor* (Polychaeta: Nereidae) in Aveiro Estuary, Portugal.
- 48.- Cardenas, L., Valdivia, I.M., Chávez, R., Molina, H. & Oliva, M.E. Preliminary assessment of the factors influencing the spatial genetic differentiation in *Helicometrina nimia*, 1910 (Trematoda, Opecolidae).

**THURSDAY 29**  
POSTER SESSION III

- 1.- Al-Jufaili, S., Al-Aboodi, N., Al-Busaidi, M., Al-Ghabshi, A., Al-Mazrooei, N. & Gil Ha Yoon. The community of metazoan parasites of commercially important wild marine fish, Whitespotted Rabbitfish *Siganus canaliculatus* in Sultanate of Oman.
- 2.- Braicovich, P.E., Luque JL. & Timi J.T. Stock composition of the rough scad, *Trachurus lathami* Nichols in South American Atlantic waters: geographical patterns of parasite community structure as discriminating tools.
- 3.- Cañas, L., Martinez, A., Farina, A. C. & Sampedro, M. P. Morphological and genetic characterization of three anisakid nematode parasites of *Lophius piscatorius* from southwest of Ireland for their use as biological tags in stock identification.
- 4.- Castro, R., Silva, A., Cavaleiro, F., Costa, G. & Santos, M. J. Can ectoparasites of Atlantic chub mackerel, *Scomber colias*, and Atlantic mackerel, *S. scombrus*, be used as biological tags to distinguish between the two host species?
- 5.- González, K. & George-Nascimento, M. Stock discrimination of *Hoplostethus atlanticus* (orange roughy), a deep fish of the Juan Fernandez Archipelago, by use of parasites.

- 6.- Kim, J.H., Eko, S. & Jeon, C. H. Molecular identification of anisakid nematodes isolated from Pacific cod, *Gadus macrocephalus* (Gadidae) in Korea
- 7.- Llarena-Reino, M., Abollo, E. & Pascual, S. A complete study of microsporidians in the musculature of *Lophius budegassa* and *Lophius piscatorius* from Atlantic waters.
- 8.- Llarena-Reino, M., Antonio, J. & Pascual, S. The contribution of the stable nitrogen isotopic composition ( $\delta^{15}\text{n}$ ) to the variability of *Anisakis* muscular recruitments in commercial fish species
- 9.- Mele, S., Garcia, E., Bulto, C., Garippa, G., Montero, F.E. & Merella P. Metazoan parasites of the head of the Atlantic chub mackerel *Scomber colias* (Osteichthyes: Scombridae) from the western Mediterranean sea.
- 10.- Mele, S, Culurgioni, J., Merella, P., Macías, D., Rossi, G. & Montero, F.E. Didymozoid trematodes on the gills of the Atlantic bluefin tuna *Thunnus thynnus* (Osteichthyes: Scombridae)
- 11.- Smith, C., Levsen A. & B. T. Lunestad The role of muscle-invading anisakid larvae on bacterial contamination of the flesh of post-harvest fish.
- 12.- Acosta, A. A., Utsunomia, R., Franceschini, L. & Da Silva, R. J. *Clinostomum detruncatum* Braun, 1899 infecting *Synbranchus marmoratus* Bloch, 1795 from the municipality of Guaira, Paraná State, Brazil.
- 13.- Caspeta, J.M. Heminth parasites of freshwater fish in the state of Morelos, Mexico
- 14.- Da Silva, E. C., Casali, G. P. & Takemoto, R. M. Ecology of the endoparasites of *Brycon orbignyanus* (Teleostei, Characidae) of the upper Parana River floodplain, Parana, Brazil.
- 15.- Da Silva E. C., Costa, A. P. L., Perez, M., Gealh, A. M., & Takemoto, R.M. Ecology of the *Procamallanus (Spirocamallanus) iheringi*, endoparasite of *Apareiodon ibitiensis* (Teleostei, Parodontidae) of the Sao Joao river basin, Parana, Brazil
- 16.- Fernandes, E., Takemoto, R. M., Yamada, F. H. & Pavanelli G.C. Metazoan ectoparasites of *Leporellus vittatus* (Anostomidae, Characiformes) in the Itaipu Reservoir, Parana, Brazil.
- 17.- Franceschini, L., Zago, A. C., Veríssimo-Silveira, R., Ninhaus-Silveira, A., Da Silva, R. J. & Seno, M. C. Z. Endohelminths of *Cichla piquiti* (Perciformes, Cichlidae) from Paraná River, municipality of Ilha Solteira, São Paulo State, Brazil
- 18.- Karling, L.C., Figueiredo, A. C., Takemoto, R. M. & Pavanelli. G. Ecology of the community of parasites of *Salminus brasiliensis* in the upper Paraná river floodplain, Brazil
- 19.- Ramos, I. P., Zica, E. O. P., Krüger Paes, J. V., Wunderlich, A. C., Carvalho, E. D. & Da Silva, R. J. Comparison between infection levels of *Austrodiplostomum compactum* metacercariae in *Plagioscion squamosissimus* from Chavantes and Nova Avanhandava reservoirs, São Paulo State, Brazil.
- 20.- Ramos, I. P., Franceschini, L., Zago, A. C., Zica, E. O. P., Carvalho, E. D. & Da Silva, R. J. New occurrences of metacercarie of *Austrodiplostomum compactum* (Lutz, 1928) (Digenea: Diplostomidae) in fish of Paranapanema River Basin, São Paulo State, Brazil.

- 21.- Ramos, I. P., Wunderlich, A. C., Franceschini, L., Zago, A. C., Zanatta, A.S. & Da Silva, R. J. Metacercarie of *Sphincterodiplostomum musculosum* (Digenea, Diplostomidae) in eyes of *Steindachnerina insculpta* (Characiformes, Curimatidae)
- 22.- Rossin, M.A. & Timi, J.T. *Rhabdochona mexicana*: a Mexican endemic species parasitizing a characid fish in Argentina.
- 23.- Sánchez-Ceballos L. D. & González-Solís, D. Metazoan parasites of the striped mojarra, *Eugerres plumieri*, in the Chetumal Bay and two adjacent lagoons, Mexico
- 24.- Takemoto, R. M., Da Silva, T., Perez, M., Sierpe, V. L. & Madi, R. R. Metacercariae of *Lecithocladium* sp. (Trematoda; Hemiuridae) parasite of flounder, *Citharichthys spilopterus* at the mouth of the Sao Francisco River, Alagoas, Brazil.
- 25.- Zago, A. C., Franceschini, L., Silva, R. J. & Seno, M.C.Z. Community ecology of helminth parasites of *Geophagus proximus* (Perciformes: Cichlidae) from Paraná River Basin, Ilha Solteira Reservoir, Brazil.
- 26.- Ahuir-Baraja A.E., Sánchez-García, N., Raga J.A. & Montero F.E. *Accacoelium contortum* (Rudolphi, 1819) Looss, 1899 (Digenea: Accacoeliidae) in gills and prepharyngeal teeth of sunfish, *Mola mola* (L.)
- 27.- Carrassón, M., Cribb T. H. & Pérez-del-Olmo A. Effect of a cymothoid isopod, *Ceratothoa* sp., on banded scat (*Selenotoca multifasciata*) from Waterloo Bay (Queensland, east coast of Australia).
- 28.- Dykova, I., de Buron, I., Roumillat, W. A. & Fiala, I. A new *Henneguya* species (Myxosporea: Bivalvulida): an agent of severe cardiac lesions in the spotted seatrout, *Cynoscion nebulosus* (Teleostei: Sciaenidae).
- 29.- Hayes, P. M., Smit, N. J., Grutter, A.S. & Davies, A. J. Unexpected response of a captive blackeye thicklip, *Hemigymnus melapterus* (Teleostei: Labridae), from Lizard Island, Australia, exposed to juvenile gnathiids (Isopoda: Gnathiidae).
- 30.- Prikrylova, I., Mozzi, A., Forcella, M. & Fusi, P. Biochemical observation of the enzymatic activity in fish parasites.
- 31.- Sahandi, J., Shohreh, P. & Jafariyan, H. Injection of Nandernon in side of Gold fish body (*Carassius auratus*) for swim bladder rotation.
- 32.- Kim, S.R., Kim, J.H., Park J.J. & Park, M.A. Fine structure of *Longicollum pagrosomi* (Acanthocephala: Pomphorhynchidae) and intestinal histopathology of the red sea bream, *Pagrus major*, infected with acanthocephalans.
- 33.- Umberger; C. M., McElroy, E. J., de Buron, I. & Roumillat, A. Effects of the parasitic nematode, *Philometroides paralichthydis*, on the swimming and burying performance of the southern flounder, *Paralichthys lethostigma*.
- 34.- Llarena-Reino, M., Abollo E. & Pascual S. A staging system approach for the overall prognostic assessment of fish lots infected by anisakids.
- 35.- Mattiucci, S., Figus, V., Macchioni, F., Caffara, M., Magi, M., Paoletti, M., Culurgioni, I. & Fioravanti, M. L. A pilot project to study the epidemiology of fish-borne helminthic zoonoses in Italy for evaluating infection risk to humans
- 36.- Pascual, S., Outeiriño, L., Vello, C. and González, A.F. Anisakids in fresh fish from Vigo markets.

- 37.- Yokoyama, H., Grabner, D., Shirakashi, S. & Kinami R. *Kudoa septempunctata* (Myxozoa: Multivalvulida) from the trunk muscle of cultured olive flounder (*Paralichthys olivaceus*) causing food poisoning of human.
- 38.- Cunha, L. F. G., Borges, J. N., Miranda, D. F., Santos, H.L.C. & Santos, C. P. Morphomolecular characterization of *Anisakis typica* parasite of bluefish *Pomatomus saltatrix* off Rio de Janeiro coast
- 39.- Martin, R. Use of Cypermethrin against Sea Lice *Caligus rogercresseyi* in Chile.
- 40.- Oliva, M.E., Alvarez, C., Campusano, C., Castro, R., Chavez, R., González, M.T. & Ruz, P. Fish Parasites: a small world to be discovered.
- 41.- Kohn, A. & Justo M. C. N. A new genus and species of Didymozoidae (Digenea) from the skipjack tuna *Katsuwonus pelamis* (Scombridae) in Brazil.
- 42.- Dick, T. A. & Gallagher, C. *Bothriocephalus acheilognathi* in Lake Winnipeg, Canada: invasion into north temperate regions of North America and possible route of entry into Canada.