

Pubblicazioni 2021

S.S. Ittiopatologia

Riviste internazionali:

Pastorino P., Pizzul E., Bertoli M., Anselmi S., Kušce M., Menconi V., Prearo M. & Renzi M. – (2021)

First insights into plastic and microplastics occurrence in biotic and abiotic compartments, and snow from a high-mountain lake (Carnic Alps).

Chemosphere, 265: 129121.

DOI: 10.1016/j.chemosphere.2020.129121.

Pastorino P., Bertoli M., Brizio P., Abete M.C., Dalla Nora V., Prearo M. & Pizzul E. – (2021)

First insights into trace elements accumulation by *Philoscia affinis* (Crustacea, Isopoda): a novel tracer to assess soil contamination in lowland plains?

Biological Trace Elements Research, 199, 12: 4782-4791.

DOI: 10.1007/s12011-021-02573-w.

Esposito G., Mudadu A.G., Abete M.C., Pederiva S., Grigione A., Stella C., Ortu S., Bazzoni A.M., Meloni D. & Squadrone S. – (2021)

Seasonal accumulation of trace elements in native Mediterranean mussels (*Mytilus galloprovincialis* Lamarck, 1819) collected in the Calich Lagoon (Sardinia, Italy).

Environmental Science and Pollution Research, 28: 25770-25781.

DOI: 10.1007/s11356-021-12380-4.

Pastorino P., Colussi S., Pizzul E., Varello K., Menconi V., Mugetti D., Tomasoni M., Esposito G., Bertoli M., Bozzetta E., Dondo A., Acutis P.L. & Prearo M. – (2021)

An unusual isolation of carnobacteria in eyes of healthy salmonids in high-mountain lakes.

Scientific Reports, 11: 2314.

DOI: 10.1038/s41598-021-82133-3.

Pastorino P., Pizzul E., Barcelò D., Abete M.C., Magara G., Brizio P., Avolio R., Bertoli M., Dondo A., Prearo M. & Elia A.C. – (2021)

Ecology of oxidative stress in the Danube barbel (*Barbus balcanicus*) from a winegrowing district: effects of water parameters, trace and rare earth elements on biochemical biomarkers.

Science of the Total Environment, 772: 145034.

DOI: 10.1016/j.scitotenv.2021.145034.

Pastorino P., Prearo M., Anselmi S., Menconi V., Bertoli M., Dondo A., Pizzul E. & Renzi M. – (2021)

Use of the zebra mussel *Dreissena polymorpha* (Mollusca, Bivalvia) as a bioindicator of microplastic pollution in freshwater ecosystems: a case study from Lake Iseo (North Italy).

Water, 13, 4: 434.

DOI: 10.3390/w13040434.

Magara G., Elia A.C., Dörr A.J.M., Abete M.C., Brizio P., Caldaroni B., Righetti M., Pastorino P., Scoparo M. & Prearo M. – (2021)

Metal load and oxidative stress driven by organotin compounds on rainbow trout.

Environmental Science and Pollution Research, 28: 35012–35022.

DOI: 10.1007/s11356-021-12984-w.

Cantonati M., Zorza R., Bertoli M., Pastorino P., Salvi G., Platania G., Prearo M. & Pizzul E. – (2021)

Recent and subfossil diatom assemblages as indicators of and environmental change (including fish introduction) in a high-mountain lake.

Ecological Indicators, 125: 107603.

DOI: 10.1016/j.ecolim.2021.107603.

Bertoli M., Piazza G., Pastorino P., Prearo M., Cozzoli F., Vignes F., Basset A. & Pizzul E. – (2021)

Macrobenthic invertebrate energy densities and ecological status in freshwater watercourses (Friuli Venezia-Giulia, Northeast Italy).

Aquatic Ecology, 55: 501–518.

DOI: 10.1007/s10452-021-09840-x.

Magara G., Sangsawang A., Pastorino P., Oddon S.B., Caldaroni B., Menconi V., Kovitvadhi U., Gasco L., Meloni D., Dörr A.J.M., Prearo M., Federici E. & Elia A.C. – (2021)

First insight on oxidative stress and theoretical environmental risk of Bronopol and Detarox® AP, two biocides claimed to be ecofriendly for a sustainable aquaculture.

Science of the Total Environment, 778: 146375.

DOI: 10.1016/j.scitotenv.2021.146375.

Mugetti D., Tomasoni M., Pastorino P., Esposito G., Menconi V., Dondo A. & Prearo M. – (2021)

Gene sequencing and phylogenetic analysis: powerful tools for an improved diagnosis of fish mycobacteriosis caused by *Mycobacterium fortuitum* group members.

Microorganisms, 9, 4: 797.

DOI: 10.3390/microorganisms9040797.

Broccoli A., Anselmi S., Cavallo A., Ferrari V., Prevedelli D., Pastorino P. & Renzi M. – (2021)

Ecotoxicological effects of new generation pollutants (nanoparticles, amoxicillin and white musk) on freshwater and marine phytoplankton species.

Chemosphere, 279: 130623.

DOI: 10.1016/j.chemosphere.2021.130623.

Lorenzoni G., Tedde G., Mara L., Bazzoni A.M., Esposito G., Salza S., Piras G., Tedde T., Bazzardi R., Arras I., Uda M.T., Virgilio S., Meloni D. & Mudadu A.G. – (2021)

Presence, seasonal distribution, and biomolecular characterization of *Vibrio parahaemolyticus* and *Vibrio vulnificus* in shellfish harvested and marketed in Sardinia (Italy) between 2017 and 2018.

Journal of Food Protection, 84, 9: 1549-1554.

DOI: 10.4315/JFP-21-059.

Mudadu A.G., Bazzoni A.M., Congiu V., Esposito G., Cesarani A., Melillo R., Lorenzoni G., Cau S., Soro B., Vodret B. Meloni D. & Virgilio S. – (2021)

Longitudinal study on seasonal variation of marine biotoxins and related harmful algae in bivalve mollusks bred in Sardinia (Italy, W Mediterranean Sea) from 2015 to 2020 and assessment of potential public health risks.

Journal of Marine Science and Engineering, 9, 5: 510.

DOI: 10.3390/jmse9050510.

Esposito G., Prearo M., Menconi V., Mugetti D., Meloni D., Tomasoni M., Pizzul E., Piras P., Renzi M., Gaspa D. & Pastorino P. – (2021)

Northward spread of the parrotfish *Sparisoma cretense* (Teleostei: Scaridae) in the Mediterranean sea: an update on current distribution with two new records from Sardinia.

Journal of Marine Science and Engineering, 9, 5: 536.

DOI: 10.3390/jmse9050536.

Polinas M., Padros F., Merella P., Prearo M., Sanna M.A., Marino F., Burrai G.P. & Antuofermo E. – (2021)

Stages of granulomatous response against histozoic metazoan parasites in mullets (Osteichthyes: Mugilidae).

Animals, 11, 6: 1501.

DOI: 10.3390/ani11061501.

Pastorino P., Nocita A., Ciccotelli V., Zaccaroni A., Anselmi S., Giugliano R., Tomasoni M., Silvi M., Menconi V., Vivaldi B., Pizzul E., Renzi M. & Prearo M. – (2021)

Health risk assessment of potentially toxic elements, persistence of NDL-PCB, PAHs, and microplastics in the translocated edible freshwater *Sinotaia quadrata* (Gasteropoda, Viviparidae): a case study from the Arno River basin (Central Italy).

Exposure and Health, 13, 4: 583-596.

DOI: 10.1007/s12403-021-00404-w.

Scarpa F., Sanna D., Azzena I., Cossu P., Mugetti D., Cerutti F., Prearo M., Peletto S. & Casu M. – (2021)

Draft genome sequence of *Rhodococcus qingshengii* strain PN_19, isolated from a moribund individual of *Pinna nobilis* in Sardinia, Italy.

Microbiology Resource Announcements, 10, 23: e00356-21.

DOI: 10.1128/MRA.00356-21.

Mugetti D., Colombino E., Menconi V., Garibaldi F., Mignone W., Gustinelli A., Prearo M., Guarda F. & Capucchio M.T. – (2021)

Unusual localization of *Pennella* sp. in swordfish (*Xiphias gladius*) hearts.

Animals, 11, 6: 1757.

DOI: 10.3390/ani11061757.

Mugetti D., Varello K., Pastorino P., Tomasoni M., Menconi V., Bozzetta E., Dondo A. & Prearo M. – (2021)

Investigation of possible reservoirs of non-tuberculous mycobacteria in a European sea bass (*Dicentrarchus labrax*) farm.

Pathogens, 10, 8: 1014.

DOI: 10.3390/pathogens10081014.

Menconi V., Zoppi S., Pastorino P., Di Blasio A., Tedeschi R., Pizzul E., Mugetti D., Tomasoni M., Dondo A. & Prearo M. – (2021)

Relationship between the prevalence of *Dibothriocephalus latus* (Cestoda: Diphylobothriidea) and the load of *Escherichia coli*: new findings in a neglected fish-borne parasitic zoonosis.
Zoonoses and Public Health, 68, 8: 965-972.
DOI: 10.1111/zph.12891.

Pagliasso G., Di Blasio A., Vitale N., Romano A., Decastelli L., Quasso A., Ricchi M., Dondo A., Pastorino P., Gennero M.S. & Bergagna S. – (2021)
Goat paratuberculosis: experimental model for the evaluation of *Mycobacterium* persistence in raw milk cheese.
Microorganisms, 9, 10: 2032.
DOI: 10.3390/microorganisms9102032.

Mugetti D., Colombino E., Capucchio M.T., Salogni C., Pastorino P., Chiappino L., Sereno A., Prearo M. & Guarda F. – (2021)
Teleost fishes: a new spontaneous model for the study of Lambl's excrescences.
Diseases of Aquatic Organisms, 146: 75-79.
DOI: 10.3354/dao03620.

Piccardo M., Bertoli M., Pastorino P., Barcelò D., Provenza F., Lesa D., Anselmi S., Elia A.C., Prearo M., Pizzul E. & Renzi M. – (2021)
Lethal and sublethal responses of *Hydropsyche pellucidula* (Insecta, Trichoptera) to commercial polypropylene microplastics after different preconditioning treatments.
Toxics, 9, 10: 256.
DOI: 10.3390/toxics9100256.

Pastorino P., Broccoli A., Bagolin E., Anselmi S., Cavallo A., Prearo M. & Renzi M. – (2021)
A multidisciplinary approach to evaluate the effects of contaminants of emerging concern on natural freshwater and brackish water phytoplankton communities.
Biology, 10, 10: 1039.
DOI: 10.3390/biology10101039.

Menconi V., Tedesco P., Pastorino P., Confortini I., Esposito G., Tomasoni M., Mugetti D., Gustinelli A., Dondo A., Pizzul E., Fioravanti M.L. & Prearo M. – (2021)
Could fish feeding behaviour and size explain prevalence differences of the nematode *Eustrongylides excisus* among species? The case study of Lake Garda.
Water, 13, 24: 3581.
DOI: 10.3390/w13243581.

Pastorino P. & Ginebreda A. – (2021)
Contaminants of emerging concern (CECs): occurrence and fate in aquatic ecosystems.
International Journal of Environmental Research and Public Health, 18, 24: 13401.
DOI: 10.3390/ijerph182413401.

Riviste nazionali:

Giaccone F., Mugetti D., Sicuro B. & Prearo M. – (2021)

Le principali malattie virali dei Ciprinidi d'allevamento e ornamentali: monitoraggio sanitario in Italia Nord-Occidentale.

Ittiopatologia, 18, 2: 53-76.

Perotti M., Colombino E., Capucchio M.T., Tursi M., Chiappino L., Sereno A., Alborali G.L., Salogni C., Prearo M. & Guarda F. – (2021)

L'evoluzione dell'endocardiosi valvolare nelle trote allevate: studio preliminare in medicina comparata.

Ittiopatologia, 18, 3: 81-95.

Prearo M., Soncin A.R., Dondo A., Contalbrigo L. & Pastorino P. – (2021)

Applicazione di protocolli sanitari agli organismi acquatici nell'ambito dell'interazione uomo-animale.

Ittiopatologia, 18, 3: 97-111.

Capitoli di libri:

Proceedings Convegni internazionali:

Antuofermo E., Padros F., Merella P., Prearo M., Sanna M.A., Marino F. & Burrai G.P. – (2021)

Histopathological staging of the granulomatous inflammation against histozoic metazoan parasites in mullets (Osteichthyes: Mugilidae).

Proceedings 20th International Conference on Diseases of Fish and Shellfish, 20-23 September 2021: 178.

Colussi S., Prearo M., Altinok I., Bitchava K., Fariano L., Vela Alonso A.I., Volpatti D. & Acutis P.L. – (2021)

Improving sustainability and performance of aquaculture farming system: breeding for lactococcosis resistance in rainbow trout (SUPERTROUT).

Proceedings 20th International Conference on Diseases of Fish and Shellfish, 20-23 September 2021: 200.

Mugetti D., Pedron C., Pastorino P., Tomasoni M., Menconi V., Esposito G., Dondo A. & Prearo M. – (2021)

Could Acipenser Iridovirus European (AcIV-E) be an emerging threat to the conservation of the Adriatic sturgeon (*Acipenser naccarii*)?

Proceedings 20th International Conference on Diseases of Fish and Shellfish, 20-23 September 2021: 244.

Pastorino P., Colussi S., Pizzul E., Varello K., Menconi V., Bertoli M., Mugetti D., Tomasoni M., Esposito G., Dondo A., Bozzetta E., Acutis P.L. & Prearo M. – (2021)

An unusual isolation of Carnobacteria from the eyes of healthy salmonids from high-mountain lakes: a Trojan-horse effect?

Proceedings 20th International Conference on Diseases of Fish and Shellfish, 20-23 September 2021: 261.

Pastorino P., Menconi V., Tomasoni M., Mugetti D. & Prearo M. – (2021)

Occurrence of *Eustrongylides* spp. in *Perca fluviatilis* from Lake Maggiore (Northwest Italy).

Proceedings 20th International Conference on Diseases of Fish and Shellfish, 20-23 September 2021: 262.

Prearo M., Pedron C., Colussi S., Mugetti D., Menconi V., Varello K., Bozzetta E., Tomasoni M., Antuofermo E., Polinas M., Dondo A., Acutis P.L. & Pastorino P. – (2021)

First report of *Streptococcus iniae* in Adriatic sturgeon (*Acipenser naccarii*) farmed in North Italy.

Proceedings 20th International Conference on Diseases of Fish and Shellfish, 20-23 September 2021: 271.

Tomasoni M., Mugetti D., Varello K., Pastorino P., Menconi V., Dondo A., Bozzetta E. & Prearo M. – (2021)

Case of *Mycobacterium marinum* infection in European seabass (*Dicentrarchus labrax*), with emphasis on the possible entry routes of the pathogen.

Proceedings 20th International Conference on Diseases of Fish and Shellfish, 20-23 September 2021: 286.

Atti Convegni nazionali:

Crescio M.I., Ciccotelli V., Desiato R., Ferretti E., Gasparini M., Martelli W., Prearo M. & Ru G. – (2021)

Attività di biomonitoraggio per la ricerca di DDT negli agoni del Lago Maggiore.

Atti XLV Convegno dell'Associazione Italiana di Epidemiologia AIE, 26-30 aprile 2021: 89.

Antuofermo E., Polinas M., Burrai G.P., Pastorino P., Menconi V., Tomasoni M., Pedron C. & Prearo M. – (2021)

An outbreak of *Streptococcus iniae* associated with granulomatous inflammation in farmed Adriatic sturgeons (*Acipenser naccarii*) in Italy.

Atti Convegno Nazionale A.I.P.Vet., giugno 2021: 176.

Tedesco P., Menconi V., Tomasoni M., Prearo M., Gustinelli A. & Fioravanti M.L. – (2021)

Updates on the distribution of *Eustrongylides excisus* Jägerskiöld, 1909 (Nematoda: Dioctophymatoidea) in lake fish from northern Italy.

Atti XXXI Convegno Nazionale SOIPA, 16-19 giugno 2021: 88.

Tomasoni M., Menconi V., Pastorino P., Mugetti D., Esposito G. & Prearo M. – (2021)

Importance of prophylaxis on parasitic diseases in fish used for experimental trials.

Atti XXXI Convegno Nazionale SOIPA, 16-19 giugno 2021: 175.

Varello K., Magara G., Montemurro V., Pastorino P., Francese D.R., Pezzolato M., Abete M.C., Arsieni P., Tomasoni M., Squadrone S., Masoero L., Gasco L., Prearo M., Elia A.C. & Bozzetta E. – (2021)

Valutazione degli effetti tossici di acque di abbeverata mediante studi traslazionali in vivo e in vitro.

Atti XX Congresso Nazionale SIDiLV on air, 25-26 novembre 2021: 201-203.

Mugetti D., Tomasoni M., Esposito G., Menconi V., Bondavalli F., Pastorino P., Zoppi S., Dondo A. & Prearo M. – (2021)

Utilizzo di tecniche biomolecolari nella diagnosi delle micobatteriosi ittiche causate da microrganismi del *Mycobacterium fortuitum* group.

Atti XX Congresso Nazionale SIDiLV on air, 25-26 novembre 2021: 362-363.