

Maria Berica Rasotto

Curriculum vitae



Address

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Education

- 1978 University Degree in Biology, University of Padova, Italy. *Magna cum laude* honorary mention
- 1980 University Degree in Natural Sciences, University of Padova, Italy. *Magna cum laude* honorary mention

Professional experience

- 2006- Full Professor, Department of Biology, University of Padova
- 1992-2006: Associate Professor, Department of Biology, University of Padova
- 1984-1992: Assistant Professor, Department of Biology, University of Padova
- 1981-1982: Research Fellow Stazione Zoologica "Anton Dohrn" di Napoli

Research period abroad

- 2008 (3 months): Centro de Investigación en Ciencias del Mar y Limnología (CIMAR), University of Costa Rica, Costa Rica
- 1998-2001 (11 months overall): Coral Reef Research Foundation di Koror, Palau (Micronesia);
- 1991 (2 months): Interuniversity Institute for Marine Sciences, Eilat, Israel;
- 1990-1994 (18 months overall): Department of Marine Sciences, University of Puerto Rico, Puerto Rico
- 1987 (3 months): Ubrecht Laboratorium dell'University of Utrecht, The Netherlands.

Current and past Research Grants and Fellowships

- Principal investigator: *Progetto CLODIA: per la gestione sostenibile degli ambienti costieri*; Totale 1.192.300 € (760.800 € devoted to research); Regione Veneto 2009-2012;
- Principal investigator: Italian Ministry of Education and Research, *Progetti* 60% 2002-2011: 46.842 €;
- Participant: *Traiettorie evolutive dei caratteri multipli pre- e post-copulatori: adattamenti e vincoli* . Italian Ministry of Education and Research, PRIN 2008: 48.069 €;
- Partecipante: *Evolution of multiple male traits*. (PI: A. Pilastro, Univ. Padova); 242.000 €; Fondazione CARIPARO, Progetti di eccellenza 2007;
- Responsabile : *Diversity in reproductive strategies in Mediterranean Blenniid fishes: the role of sperm competition* 28.800 €, EC-Marie Curie (Energy, environment, and sustainable development). EC 2001-2003;
- Principal investigator: *Meccanismi di competizione spermatica in pesci teleostei con tattiche riproduttive maschili alternative*; Italian Ministry of Education and research PRIN 2000: .317 €;;
- Participant: *Variazione geografica e biodiversità: cause evolutive e conseguenze ecologiche* (PI: V. Sbordonì, Univ. Roma "Tor Vergata"). Italian Ministry of Education and Research, PRIN 1999: 51.645 €;
- Co-Investigator: *Reproductive Biology of the Mandarinfish and the Marine Aquarium Trade*; National Geographic 1998-2001: ; 25.000 US \$;
- Participant: *Mating dynamics in a pelagically spawning coral reef fish* (PI. R.R. Warner, Department of Ecology, Evolution and Marine Biology, Univ. California, Santa Barbara), National Science Foundation USA, 1992-1995: 155.000 US \$
- Fellowship (1990-1991): *Sex determination and sex change in protogynous wrasses*; CNR 1990-1991 (12 months fellowship): 22.000 US \$;
- Fellowship: *Electrical coupling of blastomeres in early amphibian embryo*; Netherlands Ministry of Education 1987 (3 months): 1.800 €;
- Principal investigator: *Riproduzione e protocollo di reintroduzione del gambero d'acqua dolce Austropotamobius pallipes*; 10.000 €. Provincia di Vicenza, Assessorato Pesca, 1985-1986;
- Fellowship: Stazione Zoologica "Anton Dohrn" di Napoli, 1982 (3 months) 1.200 €;;
- Fellowship : "Gabriella Zuccari" University of Padova to work at Stazione Zoologica "Anton Dohrn" di Napoli; 1981 (12 months): 600 €.

Research interests

Fish behavioral ecology, evolution of sexual pattern and mating system, sexual selection and parental care; marine ecology; marine conservation.

In particular I combine field and lab work to study:

- female mate choice in relation to male behavior and expression of sexual traits
- antimicrobial production and male parental care in fish
- fertilization dynamics and the influence of sperm competition in fish
- nest choice and egg characteristics in demersal spawners

- mediterranean fish community structure and ecology, using non-destructive methods;
- impact of fishing on marine stocks.

Teaching

- **2013-:** teacher of *Comparative Anatomy*, 9 CFU, Degree in Biology
- **2010- :** teacher of *Introduction to Biology*, 6 CFU, Degree in Biology and Molecular Biology;
- **2008-2009:** teacher of *Developmental Biology* , 6 CFU, Degree in Biology;
- **2004-:** teacher *Behavioral Ecology of Marine Organisms* 8 CFU, Degree in Marine Biology;
- **2004 –** teacher *Critical Reading*, 4 CFU, PhD School in Bioscience
- **2003-:** teacher *Animal Functional Morphology*, 6 CFU, Degree in Evolutionary Biology;
- **2002-2003:** teacher a) *Marine Biological Resources*, 7 CFU, Degree in Marine Biology b) *Introduction to management and conservation of marine organism*, 4 CFU, Master in Management and Conservation of Marine Environments
- **1999:** organization of a web site presenting the Comparative Anatomy laboratories http://fog.bio.unipd.it/Anatomia_Comparata/
- **1993-2001:** teacher of *Comparative Anatomy*;
- **1984-1992:** co-teacher of *Comparative Anatomy*.
- **1984 –:** advisor of 52 students for the degree in Biology and Marine Biology
- **1997-:** advisor of 10 PhD students in Evolutionary Biology, co-advisor of PhD students of the Instituto Superior de Psicologia Aplicada (ISPA) of Lisbon (Portugal), co-advisor of Master Students of the University of Basel (Switzerland).

Services and synergistic activities

- **2015-:** member of the University Academic Senate, representing the full professors of the Life sciences' area
- **2014-:** member of the University Committee for the Quality of Didactics
- **2012-2015:** head of the Degree in Biology
- **2008-2015:** member of the Scientific Committee of the Department of Biology
- **2007-2008:** consultant of the Scientific Committee of the Stazione Zoologia "A. Dohrn" of Napoli;
- **2006-2009:** vice-head of the Degree in Biology ;
- **2006-:** member of the PhD School in Bioscience;
- **2001-2012:** head of University of Padova activities in Chioggia (VE) <http://chioggia.scienze.unipd.it/>
in charge of:
 - a) the organization and ruling of Marine Biology curricula (Degree in Marine Biology; Master in Management and Conservation of Marine Environments;
 - b) the Research Marine Station;

- c) the organization and management of the Museo di Zoologia Adriatica “G.Olivi” <http://chioggia.scienze.unipd.it/museoolivi.html>
- **2001-2004:** head of Biological Library “A. Vallisneri” of the University of Padova;
- **1995-1998:** head of Biological Library “A. Vallisneri” of the University of Padova
- **1995-:** head of the research group “Reproductive Ecology and Evolution of teleost fishes”

Grants for services

- Responsible for: *Progetto MUVI-: realizzazione di nuovi strumenti multimediali mirati alla valorizzazione della cultura ittica del territorio e alla sua diffusione via web; 2014-2015:* Regione Veneto, 50.154 €;
- Responsible for : *Progetto CLODIA: per la gestione sostenibile degli ambienti costieri; 2009-2012:* Regione Veneto, 1.192.300 € (431.500 for didactics and public dissemination on marine environments management and conservation);
- Responsible for: 2003, grant of Fondazione della Pesca of Chioggia for the restauration and conservation of an historical collection of Adriatic marine animals; 15.000 €;
- Responsible for : 4 FSE projects (European Community: 2004-2006) for the activities of the Degree in Marine Biology in Chioggia; 273.434 €;
- Responsible for: 2001-2004, grant for the activities of the Degree in Marine Biology, Bank of Credito Cooperativo Piovese; 108.000 € .

Popular Science

Books

- Rasotto M.B. 2012. **La vita del mare**. Il Mulino (Collana *Farsi un'idea*) ISBN: 8815237054
- Minelli A., Rasotto M.B. 2006. **Ventimila leghe sotto i mari**. Book of the exhibition “Ventimila Leghe sotto i mari. Museo Storia Nat. e Archeol. Di Montebelluna ISBN: 889014114X
- Benedetti, P., Benacchio, L. Rasotto, M. 2005. **Il racconto delle origini. Dal Bing bang alla vita**. Magnus Editore. ISBN: 8466216588

Teather play

- Minelli A., Pagan F., Rasotto M.B. 2009. *Storie e Dialoghi di casa Darwin*. Una messinscena. Teatro Villa Pisani, Montebelluna, 26 novembre 2009

Cruise

- Costa R., Rasotto M.B. 2007. *Viaggio tra i fiordi cileni su Adriatica nell'ambito dell'iniziativa In Viaggio con Darwin*, organizzata dal giornalista P. Roversi. RAI3 (2007), SkyUNO (2009).

Articles

- Pilastro A., Rasotto M.B. 2009. Maschi, femmine e code di pavone. *Il Bo'* 2: 16-21
- Costa R., Rasotto M.B. 2007. Lungo i fiordi cileni. *Le Scienze* 468: 58-59.

Articles/Video dedicated to her activities

- Corriere della Sera-Corriere del Veneto 1/06/2012: NUOVI STILI DI VITA: Al Nord i pesci della Sicilia ma troppi vincoli dall'Europa; (pag.4); Occhio ai branzini, meglio alici e acciughe (pag.4);
- La Stampa 22/06/2011: Che stress per i genitori nascosti sotto le onde. <http://www3.lastampa.it/lazampa/articolo/lstp/408203/>
- Corriere della Sera-Corriere del Veneto 8/12/2011. I pesci dell'Ottocento: Il museo di zoologia adriatica di Chioggia. .
- Il Gazzettino 3/02/2011. L'Adriatico visto dai suoi abitanti
- Chioggia Web TV 2011: <http://www.chioggiawebtv.it/news/266-il-mare-in-una-stanza.html>
- Chioggia TV 2011: <http://chioggia.scienze.unipd.it/MuseoOLivi/VideoILMuseodelMare.html?menu=6;>
- National Geographic 2001. Tiny Mandarin Fish Reveal Surprisingly Complex Spawning Ritual; http://news.nationalgeographic.com/news/2001/04/0423_mandarinfish.html

Seminars (since 2005)

- La collezione di zoologia adriatica e l'allestimento del Museo Olivi: una storia avventurosa e una sfida stimolante. Convegno Associazione Nazionale Musei Scientifici, Chioggia 10 novembre 2011;
- Lo stato degli ambienti marini e il modello delle Bahamas. Padova 27 settembre 2011;
- Gli ambienti marini sono in buona salute? Notte europea della ricerca. Padova 23 settembre 2011;
- Cure parentali e riproduzione in ambiente marino. Gorizia, 20 maggio 2011;
- Lo sfruttamento sostenibile delle risorse del mare. Open Day *Conoscere la vita*, Padova 15 settembre 2010;
- Strategies for sustainable fishery in North Adriatic Sea. Helsinki 11 settembre 2010;
- Selezione sessuale e cure parentali. Siena, 22 maggio 2009;
- La selezione naturale è un bricoleur. Darwin day, Venezia, 13 febbraio 2009;
- Biodiversità e conservazione. Bari, Settimana della cultura scientifica, 10 ottobre 2008;
- La ricerca universitaria in Chioggia: il contributo della Stazione Idrobiologica. Chioggia, 30 settembre 2007;
- Navigando sulla rotta di Darwin. Napoli, 25 settembre 2007
- La pesca artigianale: quale futuro? Chioggia, 12 aprile 2007
- Viaggio nelle profondità marine. Chioggia 2 marzo 2006;
- Pesci: riproduzione e vulnerabilità. Siena, 25 maggio 2006;
- Il sesso: origini, evoluzione e problemi aperti. Scuola galileiana di studi superiori. Padova, 18 gennaio 2006;

- Acquanauti: la conservazione della biodiversità marina. Montebelluna, 30 giugno 2005;
- Turismo e aree marine protette. Chioggia 18 settembre 2005
- Selezione sessuale: la scelta femminile. Padova 14 maggio 2005
- Conservazione e gestione della fauna ittica marina. Firenze, 1 aprile 2005

Selected publications

- 1) LOCATELLO L., SANTON M., MAZZOLDI C., **RASOTTO M.B.** 2017 The marbled goby, *Pomatoschistus marmoratus*, as a promising species for experimental evolution studies. *Organisms Diversity and Evolution* 17: 709-716
- 2) LOCATELLO L., **RASOTTO M.B.** 2017 Females' sampling strategy to comparatively evaluate prospective mates in the peacock blenny *Salaria pavo*. *Die Naturwissenschaften* 104: 57
- 3) DEVIGILI A., BELLUOMO V., LOCATELLO L., **RASOTTO M.B.**, PILASTRO A. 2017. Postcopulatory cost of immune system activation in *Poecilia reticulata*. *Ethol. Ecol. Evol.* 29: 266-279
- 4) LOCATELLO L., MAZZOLDI C., SANTON M., SPARACIARI S., **RASOTTO M.B.** 2016. Unexpected female preference for smaller males in the marbled goby *Pomatoschistus marmoratus*. *J. Fish Biol.* 98: 1845-1850.
- 5) MARINO A.M., RIGINELLA E., GRISTINA M, **RASOTTO M.B.**, ZANE L., MAZZOLDI C. 2015. Multiple paternity and hybridization in two smooth-hound sharks. *Scientific Report* 5:12919; DOI: 10.1038/srep12919
- 6) LOCATELLO L., POLI F., **RASOTTO M.B.** 2015. Context-dependent evaluation of prospective mates in a fish. *Behav.Ecol. Sociobiol.* 69: 1119-1126.
- 7) MONTECUCCO C., **RASOTTO M.B.** 2015. On Botulinum Neurotoxin Variability. *mBio* 6 (1) e02131-14.
- 8) LOCATELLO L., FIORITO G., FINOS L., **RASOTTO M.B.** 2013. Behavioural and immunological responses to an immune challenge in *Octopus vulgaris*. *Physiol. & Behav.* 122: 93-99.
- 9) LOCATELLO L., POLI F., **RASOTTO M.B.** 2013. Tactic-specific differences in seminal fluid influence sperm performance. *Proc.R. Soc. B.* 280 20122891
- 10) Utne-Palm, A.C., Locatello, L., Mayer, I., Gibbons, M.J., Rasotto, M.B. *in press* An insight into the reproductive biology of the bearded goby, *Sufflogobius bibarbatatus*. *J Fish Biol.*
- 11) PIZZOLON, M., LOCATELLO, L., WARNER, R.R., CHIMENTO, N. , **RASOTTO, M.B.** 2012. Linking male qualities to multiple male traits: an example in a fish with exclusive parental care. *Behav. Ecol. Sociobiol.* 66: 497-504
- 12) SMITH C., **RASOTTO MB**, REICHARD 2011 Variation in male reproductive traits among three bitterling fishes (Acheilognathinae: Cyprinidae) in relation to mating system. *Biol J. Linn. Soc.* 103:622-632.
- 13) BENTIVEGNA F., **RASOTTO MB**, DE LUCIA GA, SECCI E, PANZERA S., CAPUTO C., CARLINO P., TREGLIA G., HOCHSCHEID S., 2010 Loggerhead Turtle (*Caretta caretta*) Nests at High Latitudes in Italy: A Call for Vigilance in the Western Mediterranean. *Chelonian Conservation and Biology* 9: 283-289.
- 14) **RASOTTO MB**, DE MITCHESON Y., MITCHESON G. 2010 Male body size predicts sperm number in the mandarin fish. *J Zool.* 281: 161-167.

- 15) PIZZOLON M., GIACOMELLO E., MARRI L., MARCHINI D., PASCOLI F., MAZZOLDI C., **RASOTTO MB** 2010. When fathers make the difference: efficacy of male sexually selected antimicrobial glands in enhancing fish hatching success. *Funct. Ecol.* 24: 141-148.
- 16) GIACOMELLO E., MARRI L., MARCHINI D., MAZZOLDI C. **RASOTTO MB.** 2008. Sperm duct gland secretion of the grass goby, *Zosterisessor ophiocephalus*, exhibits antimicrobial activity. *J. Fish Biol.* 73: 1823-1828.
- 17) LOCATELLO L., **RASOTTO MB**, ADRIAENSSESNS B, PILASTRO A. 2008 Ejaculate traits in relation to male body size in the eastern mosquitofish *Gambusia holbrooki*. *J. Fish Biol.* 73: 1600-1611.
- 18) GIACOMELLO E., NEAT F.C., **RASOTTO M.B.** 2008 Mechanisms enabling sperm economy in blennioid fishes. *Behav. Ecol. Sociobiol.* 62:671-680.
- 19) PIZZOLON M., **RASOTTO M.B.**, MAZZOLDI C. 2008 Male lagoon gobies, *Knipowitschia panizzae*, prefer more ornamented to larger females. *Behav. Ecol. Sociobiol.* 62:521-528.
- 20) MAZZOLDI C., RANDIERI A., MOLLICA E., **RASOTTO MB.** 2008. Notes on the reproduction of the cardinalfish *Apogon imberbis* from lachea Island, Central mediterranean, Sicily, Italy. *Vie et Milieu* 58: 1-4.
- 21) LOCATELLO L., PILASTRO A., DEANA R., ZARPELLON A., **RASOTTO M.B.** 2007. Variation pattern of sperm quality traits in two gobies with alternative mating tactics. *Functional Ecology* 21:975-981
- 22) MAZZOLDI C., LORENZI V., **RASOTTO M.B.** 2007 Variation of male reproductive apparatus in relation to fertilization modalities in the catfish families Auchenipteridae and Callichthyidae (Teleostei: Siluriformes). *J. Fish Biol.* 70:243-256
- 23) GIACOMELLO E., MARCHINI D., **RASOTTO M.B.** 2006 A male sexually dimorphic trait provides antimicrobials to eggs in blenny fish. *Biol. Lett.* 2: 330-333.
- 24) LOCATELLO L., **RASOTTO M.B.**, EVANS J.P., PILASTRO A. 2006 Colourful male guppies produce faster and more viable sperm. *J. Evol. Biol.* 19: 1595-1602.
- 25) SCAGGANTE M., GROBER M.S., LORENZI V. & M.B. **RASOTTO** 2006 Variability of GnRH secretion in two goby species with socially controlled alternative male mating tactics. *Hor. and Behav.* 50:107-117
- 26) MAZZOLDI C., PETERSEN C.W. & **M.B. RASOTTO** 2005 The influence of mating system on seminal vesicle variability among gobies. *J. Zool. Syst. Evol. Res.* 43(4): 307-314.
- 27) SCAGGANTE M., **RASOTTO M.B.**, ROMUALDI C., PILASTRO A. 2005 Territorial male gobies respond aggressively to sneakers but do not adjust their sperm expenditure *Behav. Ecol.* 16(6) 1001-1007.
- 28) GIACOMELLO E. & M.B. **RASOTTO** 2005 Sexual dimorphism and male mating success in the tentacled blenny, *Parablennius tentacularis* (Teleostei: Blenniidae). *Mar. Biol.* 147: 1221-1228.

- 29) MASSIRONI M., **RASOTTO M.B.**, C. MAZZOLDI **2005** A reliable indicator of female fecundity: the case of the yellow belly in *Knipowitschia panizzae* (Teleostei: Gobiidae). *Mar. Biol.* 147: 71-76.
- 30) SADOVY Y., RANDALL J.E., M.B. **RASOTTO 2005** Skin structure in six dragonet species (Gobiesociformes; Callionymidae): interspecific differences in glandular cell types and mucus secretion. *J. Fish Biol.* 66: 1411-1418
- 31) SCAGGANTE M., GROBER M.S., LORENZI V. & M.B. **RASOTTO 2004** Changes along the male reproductive axis in response to social context in a gonochoristic gobiid, *Zosterisessor ophiocephalus* (Teleostei, Gobiidae), with alternative mating tactics. *Hor. and Behav.* 46: 607-617
- 32) IMMLER S., MAZZOLDI C. & M.B. **RASOTTO 2004** From sneaker to parental male: change of reproductive traits in the black goby, *Gobius niger* (Teleostei, Gobiidae). *J. Exp. Zool.* 301A: 177-185
- 33) NEAT F.C., LOCATELLO L. & M.B. **RASOTTO 2003** Reproductive morphology in relation to alternative male reproductive tactics in *Scartella cristata*. *J. Fish Biol.* 62: 1381-1391
- 34) LOCATELLO L., MAZZOLDI C. & M.B. **RASOTTO 2002**. Ejaculate of sneaker males is pheromonally inconspicuous in the black goby, *Gobius niger* (teleostei, Gobiidae). *J. Exp. Zool.* 293 (6): 601-605.
- 35) PILASTRO A., SCAGGANTE M. & M.B. **RASOTTO 2002**. Individual adjustment of sperm expenditure accords with sperm competition theory. *P Nat. Acad. Sci USA* 99: 9913-9915
- 36) MAZZOLDI C. & M.B. **RASOTTO 2002**. Alternative male mating tactics in the black goby, *Gobius niger* (Teleostei, Gobiidae). *J. Fish Biol.* 61: 157-172..
- 37) **RASOTTO M.B.** & C. MAZZOLDI **2002**. Male traits associated with alternative reproductive tactics in the black goby, *Gobius niger* (Teleostei, Gobiidae). *J. Fish Biol.* 61: 173-184.
- 38) MAZZOLDI C., POLTRONIERI C. & M.B. **RASOTTO 2002**. Egg size variability and mating system in the marbled goby, *Pomatoschistus marmoratus* (Pisces, Gobiidae). *Mar. Ecol. Prog. Ser* 233: 231-239.
- 39) MAZZOLDI C. & M.B. **RASOTTO 2001** Extended breeding season in the marbled goby, *Pomatoschistus marmoratus* (Teleostei: Gobiidae) in the venetian Lagoon. *Env. Biol. Fish.* 61(2): 165-178.
- 40) BARNI A., MAZZOLDI C. & M.B. **RASOTTO 2001**. Reproductive apparatus and male accessory structures in two batrachoid species (Teleostei, Batrachoididae). *J. Fish Biol.* 58:1557-1569
- 41) SADOVY, Y., G. MITCHESON & M. B. **RASOTTO. 2001**. Early development of mandarin fish, *Synchiropus splendidus* (Callionymidae), with notes on its fishery and potential for culture. *Aquarium Sciences and Conservation* 3:253-263.
- 42) MAZZOLDI C., SCAGGANTE M., AMBROSIN E. & M.B. **RASOTTO 2000** Mating system and alternative male mating tactics in the grass goby, *Zosterisessor ophiocephalus*, (Teleostei: Gobiidae). *Mar. Biol.* 137:1041-1048

- 43) SCAGGIANTE M., MAZZOLDI C., PETERSEN C.W. & M.B. RASOTTO 1999 Sperm competition and the mode of fertilization in the grass goby *Zosterisessor ophiocephalus* (Teleostei: Gobiidae). *J. Exp. Zool.* 283: 81-90
- 44) DE GIROLAMO M., SCAGGIANTE M. & M.B. RASOTTO 1999 Social organization and sexual pattern in the mediterranean parrotfish *Sparisoma cretense* (Teleostei, Scaridae). *Mar. Biol.* 135(2): 353-360
- 45) RASOTTO M.B. & D.Y. SHAPIRO 1998 Morphology of gonoducts and male genital papilla, in the bluehead wrasse: implications and correlates on the control of gamete release. *J. Fish Biol.* 52: 716-725
- 46) MANNI L. & M.B. RASOTTO 1997 Ultrastructure and histochemistry of the testicular efferent duct system and spermiogenesis in *Opistognathus whitehurstii* (Teleostei, Trachinoidei). *Zoomorphol.* 117: 93-112
- 47) MARCONATO A., RASOTTO M.B. and C. MAZZOLDI. 1996 On the mechanism of sperm release in three gobiid fish (Teleostei: Gobiidae). *Env. Biol. Fish.* 46: 321-327
- 48) RASOTTO M.B. & SADOVY Y. 1995 Peculiarities of the male urogenital apparatus of two grunt species (Teleostei, Haemulidae). *J. Fish Biol.* 46:936-948.
- 49) RASOTTO M.B. & L. MANNI. 1995 The juxtatesticular body of Jawfishes (Teleostei Opistognathidae): comparative morphology and fine structure. *J. Morphol.* 226: 237-246.
- 50) RASOTTO M.B. 1995 Male reproductive apparatus of some blennioidei (Pisces: Teleostei). *Copeia* 1995: 907-914
- 51) SHAPIRO D.Y. & RASOTTO M.B. 1993 Sex differentiation and gonadal development in the diandric, protogynous wrasse, *Talassoma bifasciatum* (Pisces, Labridae). *J. Zool.* 230: 231-245.
- 52) RASOTTO M.B. 1993 The embryological origin of the juxtatesticular body in jawfishes (Opistognathidae). *J. Fish Biol.* 43: 661-669.
- 53) RASOTTO M.B. 1992 Gonadal differentiation and the mode of sexuality in the spined loach *Cobitis taenia* L. *Copeia* 1992: 581-593
- 54) RASOTTO M.B., MARCONATO A. and SHAPIRO D.Y. 1992 The reproductive apparatus of two Jawfish Species (Opistognathidae) with description of a juxtatesticular body. *Copeia* 1992: 1046-1053.
- 55) VITTURI R. and RASOTTO M.B. 1990 Karyotype analysis of *Cottus gobio* L. (Pisces, Cottidae). *Cytobios* 62: 81-86.
- 56) MARCONATO A. & M.B. RASOTTO. 1989 The biology of a population of spined loach, *Cobitis taenia* L.. *Ital. J. Zool.* 56: 73-80.
- 57) RASOTTO M.B. & E. ZULIAN. 1989 Abnormal hermaphroditism in *Gambusia affinis holbrooki* from a hot spring of north-eastern Italy. *J. Fish Biol.* 35: 593-595.
- 58) CARDELLINI P., M.B. RASOTTO, L.G.J. TERTOOLEN & A. DURSTON. 1988 Intercellular communication in the eight-cell stage of *Xenopus laevis* development: a study using dye coupling. *Dev. Biol.* 129: 265-269.
- 59) BOATO A. & M.B. RASOTTO. 1987 Functional protandry and seasonal reproductive cycle in *Solatopupa similis* Bruguière (Pulmonata, Chondrinidae). *Ital. J. Zool.* 54: 119-125.

- 60) **RASOTTO M.B., P. CARDELLINI and M. SALA. 1987** Karyotypes of five species of Dendrobatidae (Anura: Amphibia). *Herpetologica* 43(2): 177-182
- 61) **RASOTTO M.B., P. CARDELLINI and E. MARCONATO. 1987** The problem of sexual inversion in the minnow, *Phoxinus phoxinus* L.. *J. Fish Biol.* 30: 51-57.
- 62) **BENTIVEGNA F. & M.B. RASOTTO. 1987** Protogynous hermaphroditism in *Xirichthys novacula* L. (1758). *Cybium* 11(1): 75-78.
- 63) **COLMAGRO R., MINELLI A., G. PALUDETTI and M.B. RASOTTO. 1986** Chromosome studies in Centipedes (Chilopoda). *Caryologia* 39(3-4):309-323.
- 64) **BENTIVEGNA F., P. CIRINO and M.B. RASOTTO. 1985** Further investigations into sex reversal of *Coris julis* L. (Pisces, Labridae). *Ital. J. Zool.* 52: 355-358.
- 65) **CARDELLINI P., G. CASAS ANDREU, D. GOENARSO, L. GUIDOLIN, R. MARTINO & M.B. RASOTTO. 1984** Globin evolution in some species of the genus *Bufo*. *Comp. Biochem. Physiol.* 78B: 21-25.3
- 66) **MARCONATO A. & M.B. RASOTTO. 1983** Mating preference of the female river bullhead *Cottus gobio* (Cottidae, Teleostei). *Ital. J. Zool.* 50: 51-54.
- 67) **BENTIVEGNA F. & M.B. RASOTTO. 1983** Anatomical features of sex inversion in the rainbow wrasse, *Coris julis* (Pisces, Labridae). *Ital. J. Zool.* 50: 73-78.
- 68) **RASOTTO M. & P. CARDELLINI 1983** The chromosomes of *Dendrodoris limbata* and *Dendrodoris grandiflora* (Gastropoda, Mollusca). *Caryologia* 36: 175-181.
- 69) **COLOMBERA D. & M.B. RASOTTO 1982** Chromosome studies in males of *Gobius niger jozo* (Padoa) and *Gobius paganellus* L. (Gobiidae, Osteichthyes). *Caryologia* 35: 257-260.
- 70) **VITTURI R., M. RASOTTO, N. PARRINELLO & E. CATALANO 1982** Spermatocyte chromosomes in some species of the family Aplysiidae (Gastropoda, Opisthobranchia). *Caryologia* 35: 327-333.
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