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Investigador Superior de CONICET

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## **ESTUDIOS REALIZADOS**

**LIC. CS BIOLÓGICAS**, UNMdP. 1982

**DR CS BIOLÓGICAS**. UNMdP. 1988

**POST-DOCTORAL RESEARCHER, Environmental Chemistry oriented**. Ehime Univ., Matsuyama, Japón. 1989

## **TAREAS DE INVESTIGACION**

**Investigador Superior** de CONICET. Desde 2014

Responsable del **Area Oceanografía Química** del IADO, Bahía Blanca, desde 1995.

## **DOCENCIA UNIVERSITARIA**

Profesor de post-grado, UNS, Bahía Blanca. Desde 2000

Profesor Invitado, Post-Grado Cs. Marinas, Univ. Oriente, Cumaná (Venezuela). Desde 2001

Profesor Asociado UTN-FRBB, Bahía Blanca. Desde 2004

## **FORMACIÓN DE RECURSOS HUMANOS**

**Tesis de Grado**: dirigió 6 de Lic.en Cs.Biológicas (UNMdP) y 4 de Lic.en Nutrición (Univ.FASTA).

Dirigió 21 **Tesis Doctorales**: 12 aprobadas en el Depto.de Biología-UNS y 6 en el de Química-UNS, 2 en la UBA, 1 en la UNMdP. Está dirigiendo 6 Tesis Doctorales: 5 en Biología (en la UNS), y 1 en Cs.Agrarias (en la UBA).

## **DIRECCIÓN DE BECAS.**

Dirigió 31 becas de investigación de CONICET desde 1994. Actualmente es director de 5 becas (2 post-doctorales y 3 doctorales), y co-director de 4 becas doctorales de CONICET).

## **5. ANTECEDENTES DE INVESTIGACION**

- **TESIS DE GRADO** , 1982, UNMdP, 62 pp.

- **TESIS DOCTORAL**, 1988, UNMdP, 212 pp.

- **TESIS POST-DOCTORAL**, 1989. Ehime University, Matsuyama (Japan), 87 pp.

- **TRABAJOS PUBLICADOS**

Publicó 216 trabajos en revistas especializadas desde 1986, entre las que se mencionan *Journal of Shoreline Management, Marine Pollution Bulletin, Environmental Technology Letters, Archives of Environmental Contamination & Toxicology, Marine Environmental Research, Environmental Monitoring & Assessment, Science of Total Environment, Environmental Contamination, Chemical Speciation & Bioavailability, UNEP Regional Seas Reports & Studies, Heavy Metals in the Environment, Oceanologia, Wetland Environment & Management, Journal of Coastal Research, Chemosphere, Bulletin of Environmental Contamination & Toxicology, Ecotoxicology & Environmental Safety, Continental Shelf Research*, entre otras.

Entre los trabajos publicados en los **últimos 5** años se citan:

González-Trilla GL, P Prato Longo, ME Beget, P Kandus, **JE Marcovecchio**, C Di Bella, 2013. Relating biophysical parameters of coastal marshes in the Bahía Blanca estuary, Argentina, to hyperspectral reflectance data. *Journal of Coastal Research* 29 (1), 231-238.

- Simonetti P, SE Botté, SM Fiori, **JE Marcovecchio**, 2013. Burrowing crab (*Neohelice granulata*) as a potential bioindicator of heavy metals in the Bahía Blanca estuary, Argentina. *Archives of Environmental Contamination & Toxicology* 64, 110-118.
- Guinder VA, CA Popovich, JC Molinero, **JE Marcovecchio**, 2013. Phytoplankton summer bloom dynamics in the Bahía Blanca Estuary in relation to environmental modifications. *Continental Shelf Research* 52, 150-158.
- Negrin VL, CV Spetter, VA Guinder, GME Perillo, **JE Marcovecchio**, 2013. The role of *Sarcocornia perennis* and tidal flooding on sediment biogeochemistry in a South American wetland. *Marine Biology Research* 9 (7), 703-715.
- Fernández Severini MD, MS Hoffmeyer, **JE Marcovecchio**, 2013. Heavy metals concentrations in zooplankton and suspended particulate matter in a Southwestern Atlantic temperate estuary (Argentina). *Environmental Monitoring & Assessment* 185 (2), 1495-1513.
- Carbone ME, B García-Martínez, **JE Marcovecchio**, MC Piccolo, GME Perillo, 2013. Impacto antrópico en la calidad del agua superficial de la cuenca media del Arroyo Claromecó, Argentina. *Cuadernos de Investigación Geográfica* 39 (2), 391-404.
- Arias AH, A Vázquez Botello, G Díaz, **JE Marcovecchio**, 2013. Accumulation of indicator polychlorinated biphenyls (iPCBs) in sediments of the Navigation Channel, harbours and industrial area of the Bahía Blanca Estuary, Argentina. *International Journal of Environmental Research* 7 (4), 925-936.
- González Trilla G, F Schivo, M Borro, N Morandeira, P Kandus, **JE Marcovecchio**, 2013. Allometric scaling of dry weight and leaf area for *Spartina densiflora* and *Spartina alterniflora* in two south-west Atlantic saltmarshes. *Journal of Coastal Research* 29 (6), 1373-1381.
- Panebianco MV, MF Negri, SE Botté, **JE Marcovecchio**, HL Cappozzo, 2013. Essential and non-essential heavy metals determination in skin and muscle tissues in franciscana dolphins (*Pontoporia blainvillei*) from Argentina southern coast. *Chemistry & Ecology* 29 (6), 511-518.
- Simonetti P, SE Botté, SM Fiori, **JE Marcovecchio**, 2013. Nidificación del Ostrero Pardo (*Haematopus palliatus*) en el estuario de Bahía Blanca, Buenos Aires, Argentina. *El Hornero* 28 (2), 51-58.
- Markert B, E Baltrėnaitė, E Chudzińska, S De Marco, J Diatta, Z Ghaffari, S Gorelova, **J Marcovecchio**, G Tabor, M Wang, N Yousef, S Fränzle, S Wünschmann, 2014. Multilingual education of students on a global scale and perspective—international networking on the example of bioindication and biomonitoring (B&B technologies). *Environmental Science & Pollution Research* 21 (8), 5450-5456.
- Simonetti P, SE Botté, AH Beltzer, **JE Marcovecchio**, 2014. Tissue distribution of Cd, Cu, Zn, Ni, Cr, Pb and Hg in Striated Heron *Butorides striatus* (Aves: Ardeidae) in a fluvial ecosystem. *Chemistry & Ecology* 30 (3), 197-205.
- Markert B, S Wünschmann, E Baltrėnaitė, E Chudzińska, S De Marco, J Diatta, Z Ghaffari, S Gorelova, **J Marcovecchio**, G Tabor, N Yousef, M Wang, S Fränzle, A Kumari, 2014. International, transdisciplinary and intercultural cooperation in bioindication and biomonitoring studies (B&B Technologies). With specific consideration of plant organisms and chemical elements. *International Journal of Sustainable Water and Environmental Systems* 6 (1), 17-26.
- La Colla N, CE Domini, **JE Marcovecchio**, SE Botté, 2015. Latest approaches on green chemistry preconcentration methods for trace metal determination in seawater – A review. *Journal of Environmental Management* 151, 44-55.
- Spetter CV, NS Buzzi, EM Fernández, DG Cuadrado, **JE Marcovecchio**, 2015. Assessment of the physicochemical conditions sediments of a polluted tidal flat colonized by microbial mats in Bahía Blanca Estuary (Argentina). *Marine Pollution Bulletin* 91, 491-505.
- Spetter CV, CA Popovich, AH Arias, RO Asteasuain, RH Freije, **JE Marcovecchio**, 2015. Role of nutrients in the phytoplankton development during a winter diatom bloom in an eutrophic South American Estuary (Bahía Blanca, Argentina). *Journal of Coastal Research* 31 (1), 76-87.
- Chiodi Boudet LN, P Polizzi, NP Romero, A Robles, **JE Marcovecchio**, MS Gerpe, 2015. Histopathological biochemical evidence of hepatopancreatic toxicity caused by cadmium in white shrimp, *Palaemonetes argentines*. *Ecotoxicology and Environmental Safety* 113, 231-240.
- Oliva AL, J Ovaert, AH Arias, S Souissi, **JE Marcovecchio**, 2015. Mussels as bioindicators of PAHs pollution within Argentinean coastal environments, South America. *International Journal of Environmental Research* 9 (4), 1293-1304
- La Colla NS, VL Negrin, **JE Marcovecchio**, SE Botté, 2015. Dissolved and SPM heavy metals dynamics in a human impacted estuary from the SW Atlantic. *Estuarine, Coastal & Shelf Science* 166, 45-55.
- Negrin VL, PD Pratolongo, AE de Villalobos, SE Botté, **JE Marcovecchio**, 2015. Primary productivity and element cycling in a SW Atlantic *Sarcocornia perennis* marsh. *Journal of Sea Research* 97, 50-55.
- Idaszkin YL, JL Lanzelotti, PJ Bouza, **JE Marcovecchio**, 2015. Accumulation and distribution of trace metals within soils and the austral cordgrass *Spartina densiflora* in a Patagonian salt marsh. *Marine Pollution Bulletin* 101, 457-465.
- Simonetti P, SE Botté, **JE Marcovecchio**, 2015. Exceptionally high Cd levels and other trace elements in eggshells of American Oystercatcher (*Haematopus palliatus*) from the Bahía Blanca Estuary, Argentina. *Marine Pollution Bulletin* 100, 495-500.
- Negrin VL, SE Botté, PD Pratolongo, GL González Trilla, **JE Marcovecchio**, 2016. Ecological processes and biogeochemical cycling in salt marshes: synthesis of studies in the Bahía Blanca estuary (Argentina). *Hydrobiologia* 774, 217-235.
- Zapperi G, P Pratolongo, MJ Piovan, **JE Marcovecchio**, 2016. Benthic-pelagic coupling in an intertidal mudflat in the Bahía Blanca Estuary (SW Atlantic). *Journal of Coastal Research* 32 (3), 629-637.

- Arias AH, MV Panebianco, S Net, D Dumoulin, S Souissi, B Ouddane, HL Cappozzo, **JE Marcovecchio**, 2016. Franciscana dolphins as PCBs marine biomonitors in Argentina, Southwest Atlantic Ocean. *Journal of the Marine Biological Association of the UK* 96 (4), 979-992.
- González-Trilla GL, P Pratolongo, P Kandus, ME Beget, C Di Bella, **JE Marcovecchio**, 2016. Relationship between biophysical parameters and synthetic indices derived from hyperspectral field data in a coastal marsh from Buenos Aires Province, Argentina. Relationship between hyperspectral indices with biophysical parameters. *Wetlands* 36 (1), 185-194.
- Fernández EM, CV Spetter, AM Martínez, DG Cuadrado, M Avena, **JE Marcovecchio**, 2016. Carbohydrate production by microbial mats communities in supratidal sediments from Bahía Blanca Estuary (Argentina). *Environmental Earth Sciences* 75, 641-655.
- Quintas PY, AL Oliva, AH Arias, CE Domini, MB Alvarez, ME Garrido, **JE Marcovecchio**, 2016. Seasonal changes in organotin compounds in sediments from the Bahía Blanca Estuary. *Environmental Earth Sciences* 75, 659-672.
- Albornoz C, K Larsen, R Landa, MA Quiroga, R Najle, **JE Marcovecchio**, 2016. Lead and zinc determinations in *Festuca arundinacea* and *Cynodon dactylon* collected from contaminated soils in Tandil (Buenos Aires Province, Argentina). *Environmental Earth Sciences* 75, 742-750.
- Carbone ME, CV Spetter, **JE Marcovecchio**, 2016. Seasonal and spatial variability of macronutrients and Chlorophyll *a* based on GIS in a South American estuary (Bahía Blanca, Argentina). *Environmental Earth Sciences* 75, 726-739.
- Buzzi NS, **JE Marcovecchio**, 2016. A baseline study of the metallothioneins induction and its reversibility in *Neohelice granulata* from the Bahía Blanca Estuary (Argentina). *Marine Pollution Bulletin* 112 (1/2), 452-458.
- Marcovecchio JE**, SE Botté, MD Fernández Severini, 2016. Distribution and behavior of zinc in estuarine environments: an overview on Bahía Blanca estuary (Argentina). *Environmental Earth Sciences* 75, 1168-1184.
- Oliva AL, PY Quintas, NS La Colla, AH Arias, **JE Marcovecchio**, 2017. Distribution, sources and potential ecotoxicological risk of Polycyclic Aromatic Hydrocarbons in surface sediments from Bahía Blanca estuary, Argentina. *Archives of Environmental Contamination and Toxicology* 72 (4), 540-551.
- Guinder VA, JC Molinero, MC López Abbate, AA Berasategui, CA Popovich, CV Spetter, **JE Marcovecchio**, RH Freije, 2017. Phenological changes of blooming diatoms promoted by compound bottom-up and top-down controls. *Estuaries and Coasts* 40 (1), 95-104.
- La Colla N, SE Botté, AL Oliva, **JE Marcovecchio**, 2017. Tracing metal occurrence in the Bahía Blanca estuary through commercial fish species. *Chemosphere* 175, 286-293.
- López Abbate C, JC Molinero, VA Guinder, GME Perillo, RH Freije, U Sommer, CV Spetter, **JE Marcovecchio**, 2017. Time-varying environmental control of phytoplankton in a changing estuarine system. *The Science of the Total Environment* 609, 1390-1400.
- Idaszkin YL, J Lancelotti, M Pollicelli, **JE Marcovecchio**, PJ Bouza, 2017. Comparison of phytoremediation potential capacity of *Spartina densiflora* and *Sarcocornia perennis* for metal polluted soils. *Marine Pollution Bulletin* 118 (1/2), 297-306.
- Fernández Severini MD, DM Villagran, F Biancalana, AA Berasategui, CV Spetter, MN Tartara, MC Menéndez, VA Guinder, **JE Marcovecchio**, 2017. Heavy metals in seston and microplankton in an impacted temperate estuary from the SW Atlantic Ocean. *Journal of Coastal Research* 33 (5), 1196-1209.
- Simonetti P, SE Botté, **JE Marcovecchio**, 2017. Occurrence and spatial distribution of metals in intertidal sediments of a temperate estuarine system (Bahía Blanca, Argentina). *Environmental Earth Sciences* 76, 636-647 (DOI: [10.1007/s12665-017-6975-0](https://doi.org/10.1007/s12665-017-6975-0))
- Narvarte M, MC Salas, MS Avaca, A Roche, F Delucchi, M Tartara, **JE Marcovecchio**, 2017. Beyond imposex: other sexual alterations in the nassariid *Buccinanops globulosum*. *Marine Biology Research* 13 (4) DOI: [10.1080/17451000.2016.1272700](https://doi.org/10.1080/17451000.2016.1272700)
- Dolagaratz Carricavur A, L Chiodi Boudet, MB Romero, P Polizzi, **JE Marcovecchio**, M Gerpe, 2018. Toxicological responses of *Laeonereis acuta* (Polychaeta, Nereididae) after acute, subchronic and chronic exposure to cadmium. *Ecotoxicology and Environmental* 149, 217-224.
- La Colla N, SE Botté, **JE Marcovecchio**, 2018. Metals in coastal zones impacted with urban and industrial wastes: Insights on the metal accumulation pattern in fish species. *Journal of Marine Systems* 181, 53-62. DOI: [10.1016/j.jmarsys.2018.01.012](https://doi.org/10.1016/j.jmarsys.2018.01.012)
- Buzzi NS, **JE Marcovecchio**, 2018. Heavy metal concentrations in sediments and in mussels from Argentinean coastal environments, South America. *Environmental Earth Sciences* 77, 321-333. (DOI: [10.1007/s12665-018-7496-1](https://doi.org/10.1007/s12665-018-7496-1))
- Berasategui A, F Biancalana, A Fricke, MD Fernández-Severini, RA Uibrig, MS Dutto, **JE Marcovecchio**, D Calliari, MS Hoffmeyer, 2018. The impact of sewage effluents on the fecundity and survival of *Eurytemora americana* in a eutrophic estuary of Argentina. *Estuarine Coastal & Shelf Sciences* 211, 208-216.
- Fernández Severini MD, ME Carbone, DM Villagran, **JE Marcovecchio**, 2018. Toxic metals in a highly urbanized industry-impacted estuary (Bahía Blanca estuary) based on GIS-mapping techniques. *Environmental Earth Sciences* 77 (10) DOI: [10.1007/s12665-018-7565-5](https://doi.org/10.1007/s12665-018-7565-5)
- La Colla NS, SE Botté, VL Negrin, AV Serra, **JE Marcovecchio**, 2018. Influence of human-induced pressures on dissolved and particulate Pb, Cr, Zn and Ni concentrations in the Bahía Blanca estuary, South America. *Environmental Monitoring & Assessment* 190, 532-547. DOI: [10.1007/s10661-018-6930-x](https://doi.org/10.1007/s10661-018-6930-x)

- Buzzi NS, AL Oliva, AH Arias, **JE Marcovecchio**. Assessment of trace metal accumulation in native mussels (*Brachidontes rodriguezii*) from a South American temperate estuary. *Environmental Science & Pollution Research* (en prensa) DOI: 10.1007/s11356-017-9237-5
- Oliva AL, AH Arias, PY Quintas, **JE Marcovecchio**, 2018. Polycyclic Aromatic Hydrocarbons in mussels from a South American Estuary. *Archives of Environmental Contamination & Toxicology* (en prensa) DOI: 10.1007/s00244-017-0392-y
- Quintas PY, AL Oliva, MB Alvarez, AH Arias, CE Domini, M Garrido, **JE Marcovecchio**, 2018. Fast and feasible ultrasound assisted pretreatment for the determination of organotin compounds in environmental samples. *Archives of Environmental Contamination & Toxicology* (en prensa) DOI: 10.1007/s00244-017-0494-6
- Simonetti P, SE Botté, **JE Marcovecchio**, 2018. Heavy metal concentrations and bioconcentration factor in the burrowing crab *Neohelice granulata* from the Bahía Blanca estuary, Argentina. *Environmental Science & Pollution Research* (en prensa) DOI: 10.1007/s11356-018-3404-1
- Negrin VL, SE Botté, NS La Colla, **JE Marcovecchio**, 2019. Uptake and accumulation of metals in *Spartina alterniflora* salt marshes from a South American estuary. *Science of the Total Environment* 649, 808-820.
- Oliva, La Colla N, AH Arias, GE Blasina, A López Cazorla, **JE Marcovecchio**. Distribution and human health risk assessment of PAHs in four fish species from a SW Atlantic estuary. *Environmental Science and Pollution Research* (en prensa)
- Quintas PY, AH Arias, AL Oliva, CE Domini, M Alvarez, M Garrido, **JE Marcovecchio**. Organotin compounds in *Brachidontes rodriguezii* mussels from the Bahía Blanca Estuary, Argentina. *Ecotoxicology & Environmental Safety* (en prensa)
- Fernández Severini MD, MC Menéndez, NS Buzzi, AL Delgado, MC Piccolo, **JE Marcovecchio**. Metals in the particulate matter from surf-zone waters of a Southwestern Atlantic sandy beach (Monte Hermoso, Argentina). *Environmental Earth Sciences* (en prensa)
- Truchet DM, NS Buzzi, C Carcedo, **JE Marcovecchio**. First record of the fiddler crab *Leptuca (=Uca) uruguayensis* in the Bahía Blanca Estuary (Buenos Aires, Argentina) with comments on this species in South America. *Regional Studies in Marine Science* (en prensa)
- Ronda AC, AL Oliva, AH Arias, MM Orazi, **JE Marcovecchio**. Biomarker responses to polycyclic aromatic hydrocarbons in the native fish *Ramnogaster arcuata*, South America. *International Journal of Environmental Research* (en prensa)

**e. CAPITULOS EN LIBROS** : 45 (cuarenta y cinco), en libros publicados por editoriales como Elsevier, Springer-Verlag, J.Wiley & Sons. Los principales de los últimos 5 años son:

- Marcovecchio JE**, RH Freije, PJ Depetris. 2009. The Continental Shelf of the South-Western Atlantic Ocean. In: *Carbon and nutrient fluxes in continental margins: a global synthesis*, KK Liu, L Atkinson, R Quiñones, L Talaue-McManus (eds), Springer-Verlag Book in Global Change: The IGBP Series, London (UK). Springer-Verlag, Heidelberg (Germany), Part I, Ch. 5: pp. 248-264. (ISBN: 978-3-540-92734-1)
- Botté SE, F Delucchi, RH Freije, **JE Marcovecchio**. 2010. Cadmium and organotin pollution in an estuarine environment from Argentina: and overview. In: *Impact, Monitoring and Management of Environmental Pollution*, Ahmed El Nemr (ed), Nova Publishers, New York (U.S.A.), Ch.11: pp. (ISBN: 978-1-60876-487-7)
- Arias AH, NS Buzzi, MT Pereira, **JE Marcovecchio**. 2011. Pesticides reaching the environment as a consequence of inappropriate agricultural practices in Argentina. In: *Pesticides: Formulations, Effects and Fate*, Margarita Stoytcheva (ed), Intech Ed.Publ., Viena (Austria), Ch.17: 313-332. (ISBN: 978-953-307-532-7)
- Marcovecchio JE**, 2011. Land sources of pollutants impacting coastal marine ecosystems from Argentina. In: *Interacciones en el Planeta Tierra*, R. Gio-Argaez & M.T.L. Rosales-Hoz (eds), ICMyl – UNAM Ed., México D.F. (México), pp. 73-81 (248 pp). (ISBN: 978-607-02-1997-9)
- Arias AH, MD Fernández Severini, F Delucchi, RH Freije, **JE Marcovecchio**. 2012. Persistent pollutants monitoring in a South Atlantic Coastal Environment: a case study of the Bahía Blanca Estuary. In: *Pollution Monitoring*, AC Ortiz, NB Griffin (eds), Nova Press / Nova Publishers, Manchester (U.K.), Ch.1: 1-30 (269 pp) (ISBN: 978-1-61209-397-0)
- Marcovecchio JE**, CV Spetter, 2013. Comportamiento conservativo y no-conservativo de los constituyentes disueltos durante la mezcla estuarial. En: *Procesos Químicos en Estuarios*, JE Marcovecchio & RH Freije (eds), Editorial de la Universidad Tecnológica Nacional (EdiUTecNe), Buenos Aires (Argentina), Cap. 6. (ISBN 978-987-1896-16-5)
- Spetter CV, RH Freije, **JE Marcovecchio**, 2013. Ciclo bio-geoquímico de nutrientes inorgánicos en estuarios. En: *Procesos Químicos en Estuarios*, JE Marcovecchio & RH Freije (eds), Editorial de la Universidad Tecnológica Nacional (EdiUTecNe), Buenos Aires (Argentina), Cap. 7. (ISBN 978-987-1896-16-5)
- Marcovecchio JE**, RH Freije, A Vázquez Botello, 2013. Estuarios: ¿ambientes adecuados para realizar estudios de contaminación? En: *Procesos Químicos en Estuarios*, JE Marcovecchio & RH Freije (eds), Editorial de la Universidad Tecnológica Nacional (EdiUTecNe), Buenos Aires (Argentina), Cap. 9. (ISBN 978-987-1896-16-5)
- Botté SE, **JE Marcovecchio**, MD Fernández Severini, VL Negrin, MV Panebianco, P Simonetti, NS Buzzi, F Delucchi, 2013. Ciclo de metales pesados. En: *Procesos Químicos en Estuarios*, JE Marcovecchio & RH Freije (eds), Editorial de la Universidad Tecnológica Nacional (EdiUTecNe), Buenos Aires (Argentina), Cap. 10. (ISBN 978-987-1896-16-5)
- Markert B, S Wünschmann, **JE Marcovecchio**, SG De Marco, 2013. Bioindicadores y biomonitores: definiciones, estrategias y aplicaciones. En: *Procesos Químicos en Estuarios*, JE Marcovecchio & RH Freije (eds), Editorial de la Universidad Tecnológica Nacional (EdiUTecNe), Buenos Aires (Argentina), Cap. 13. (ISBN 978-987-1896-16-5)

- Buzzi NS, SL Diodato, MD Fernández Severini, OA Amin, LI Comoglio, **JE Marcovecchio**, 2013. Estudios ecotoxicológicos con especies estuariales. En: *Procesos Químicos en Estuarios*, JE Marcovecchio & RH Freije (eds), Editorial de la Universidad Tecnológica Nacional (EdiUTecNe), Buenos Aires (Argentina), Cap. 14. (ISBN 978-987-1896-16-5)
- Marcovecchio JE**, RH Freije, SE Botté, CV Spetter, AH Arias, MD Fernández Severini, NS Buzzi, SG De Marco, VL Negrin, P Simonetti, VA Guinder, CA Popovich, MT Pereyra, 2013. Programas de monitoreo en estuarios: estudios a largo plazo. En: *Procesos Químicos en Estuarios*, JE Marcovecchio & RH Freije (eds), Editorial de la Universidad Tecnológica Nacional (EdiUTecNe), Buenos Aires (Argentina), Cap. 15. (ISBN 978-987-1896-16-5)
- Marcovecchio JE**, SE Botté, CE Domini, RH Freije, 2014. Heavy Metals, Major Metals, Trace Elements. In: *Handbook of Water Analysis*, L Nollet, LSP de Geelder (eds), 3<sup>rd</sup> edition. CRC Press, Taylor & Francis Group LCC, Boca Ratón, Florida (USA), Ch.15: 385-433. (979 pp) (ISBN 978-1-4398-8966-4)
- Marcovecchio JE**, NS Buzzi, MN Tartara, CV Spetter, P Simonetti, 2013. Potential effects of climate changes on the marine ecosystem stability: assessment of the water quality. In: *Marine ecology in a changing world*, AH Arias & MC Menéndez (eds), CRC Press - Taylor & Francis Group, London, UK, Ch.1, pp. 1-41. (ISBN 978-146-6590-07-6)
- Marcovecchio JE**, SE Botté, CE Domini, RH Freije, 2014. Heavy Metals, Major Metals, Trace Elements. In: *Handbook of Water Analysis*, L Nollet, LSP de Geelder (Eds), 3<sup>rd</sup> edition. CRC Press, Taylor & Francis Group LCC, Boca Ratón, Florida (USA), Ch.15: 385-433. (979 pp) (ISBN 978-1-4398-8966-4)
- Marcovecchio JE**, NS Buzzi, MN Tartara, CV Spetter, P Simonetti, 2013. Potential effects of climate changes on the marine ecosystem stability: assessment of the water quality. In: *Marine ecology in a changing world*, AH Arias & MC Menéndez (eds), CRC Press - Taylor & Francis Group, London, UK, Ch.1, pp. 1-41. (ISBN 978-146-6590-07-6)
- Spetter CV, MN Tartara, RH Freije, **JE Marcovecchio**, 2014. Balance biogeoquímico de nutrientes mediante la aplicación del modelo de LOICZ. Caso de estudio: estuario de Bahía Blanca (Argentina). En: *Procesos geoquímicos superficiales en Iberoamérica*, JE Marcovecchio, SE Botté, RH Freije (eds), Sociedad Iberoamericana de Física y Química Ambiental (SIFyQA), Salamanca (España), Cap.11, pp. 203-220. (ISBN: 978-84-937437-6-5)
- Fernández EM, JE Garzón, AM Martínez, CV Spetter, RH Freije, **JE Marcovecchio**, 2014. Estimación de la productividad primaria del fitoplancton en la zona interna del estuario de Bahía Blanca (Argentina). En: *Procesos geoquímicos superficiales en Iberoamérica*, JE Marcovecchio, SE Botté, RH Freije (eds), Sociedad Iberoamericana de Física y Química Ambiental (SIFyQA), Salamanca (España), Cap.14, pp. 261-276. (ISBN: 978-84-937437-6-5)
- Marcovecchio JE**, SG De Marco, NS Buzzi, SE Botté, AC Labudia, N La Colla, MD Fernández Severini, 2015. Fish and Seafood. In: *Handbook of mineral elements in food*, M de la Guardia, S Garrigues (eds), John Wiley & Sons Publ., London, UK, Ch.27, pp. 621-643 (792 pp). (ISBN: 978-1-118-65436-1)
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6. *Marine pollution and climate change*, AH Arias, **JE Marcovecchio** (eds), CRC Press - Taylor & Francis Group, Boca Ratón, FL, USA (2017)

**g. SUBSIDIOS OBTENIDOS.**

Desde 1993 ha obtenido subsidios de CONICET, UNMDP, Fundación Antorchas, ANPCyT, Unión Europea, UNS y otras instituciones para el desarrollo de sus proyectos de investigación.

**h. DISTINCIONES ACADEMICAS:** Arbitro en revistas nacionales e internacionales (por ej., *Sci.Tot.Environ.*, *Mar.Pollut.Bull.*, *Environ.Pollut.*, *Caribbean J.Sci.*, *Pesqu.Antárt.Brasil.*, *Natura Neotropicalis*, *Environ.Technol.*, *Bol.Inst.Oceanogr.Venezuela*, *Interciencia*, *Food Chem.*, *Archiv.Environm.Contam.Toxicol.*, *Estuar.Coast.Shelf Sci.*, *Ecotoxicol.Environm.Safety*. Integra el Editorial Board de *Hidrobiológica* , *Sci.Tot.Environ.* y *Chemistry & Ecology*.

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**j. PREMIOS RECIBIDOS :**

1. *Matsumae International Foundation Award – Golden Medal*. Tokyo (Japan), February 1989.
2. *Matsuyama Castle Award for Young Scientists*. Ehime University, Matsuyama (Japón). April 1993.
3. *Distinción por su labor en el Area de Química de los Ambientes Marinos*. Rotary Club Bahía Blanca – Nuevas Generaciones. Octubre 2002.
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