

M. CARMEN CASADO-MARTINEZ, PhD

- M.C. Casado-Martínez, K. Burga-Perez, R. Bebon, J.F. Féraud, E.L.M. Vermeirssen, I. Werner. The sediment-contact test using the ostracod *Heterocypris incongruens*: effect of fine sediments and determination of toxicity thresholds. *Chemosphere* 151, 20-24, 2016.
- Casado-Martínez, M.C., Molano-Leno, L., Grandjean, D., De Alencastro, L.F., Werner, I., Ferrari, B.J.D. (2016) Impacts des sédiments sur la qualité d'eau. Surveillance écotoxicologique de la qualité de la rivière Venoge. *Aqua & Gas*, 4, 56-63
- M.C. Casado-Martínez, I. Werner, B.J.D. Ferrari, N. Chèvre. Risikobewertung von Sedimenten- Methoden zur Bewertung der Sedimentqualität. *Aqua & Gas* N°4, Spring 2015.
- Feiler et al. Inter-laboratory trial of a standardized sediment contact test with the aquatic plant *Myriophyllum aquaticum* (ISO 16191). *Environmental Toxicology and Chemistry* 33, 662-670, 2014.
- M.C. Casado-Martínez, B.D. Smith, P.S. Rainbow. Assessing metal bioaccumulation from estuarine sediments: comparative experimental results for the polychaete *Arenicola marina*. *Journal of Soils and Sediments* 13, 429-440, 2013.
- M.C. Casado-Martínez, E. Duncan, B.D. Smith, W. Maher, P.S. Rainbow. Arsenic toxicity in a sediment-dwelling polychaete: detoxification and arsenic metabolism. *Ecotoxicology*, 21, 576 – 590, 2012.
- Rainbow PS, Smith BD, Casado-Martínez MC. Biodynamic modelling of the bioaccumulation of arsenic by the polychaete *Nereis diversicolor*. *Environmental Chemistry* 8:1-8, 2011.
- M.C. Casado-Martínez, B.D. Smith, S.N. Luoma, P.S. Rainbow. Metal toxicity in a sediment-dwelling polychaete: threshold body concentrations or overwhelming accumulation rates? *Environmental Pollution* Vol. 158, 3071-3076, 2010.
- M.C. Casado-Martínez, B.D. Smith, S.N. Luoma, P.S. Rainbow. Bioaccumulation of arsenic from water and sediment by a deposit-feeding polychaete (*Arenicola marina*): a biodynamic modelling approach. *Aquatic Toxicology* Vol. 98, 34-43, 2010.
- M.C. Casado-Martínez, J.M. Forja, T.A. Delvalls. A multivariate assessment of sediment contamination in dredged sediments from Spanish ports. *Journal of Hazardous Materials* Vol. 163: 1353-1359, 2009.
- M.C. Casado-Martínez, B.D. Smith, T.A. Delvalls, P.S. Rainbow. Pathways of trace metal uptake in the lugworm *Arenicola marina*. *Aquatic Toxicology* Vol. 92: 9-17, 2009.
- M.C. Casado-Martínez, B.D. Smith, T.A. Delvalls, S.N. Luoma, P.S. Rainbow. Biodynamic modelling and the prediction of accumulated trace metal concentrations in the polychaete *Arenicola marina*. *Environmental Pollution* Vol. 157: 2743-2750, 2009.
- M.C. Casado-Martínez, V. Branco, C. Vale, A.M. Ferreira, T.A. DelValls. Is *Arenicola marina* a suitable test organisms to evaluate the bioaccumulation potential of Hg, PAHs and PCBs from dredged sediments? *Chemosphere* Vol. 70: 1756-1765, 2008.
- M.C. Casado-Martínez, N. Fernández, J.M. Forja, T.A. Delvalls. Liquid versus solid phase bioassays for dredged material characterisation. *Environment International* Vol. 33: 456-462, 2007.
- M.C. Casado-Martínez, J.M. Forja, T.A. DelValls. Direct comparison of amphipod sensitivities to dredged sediments from Spanish ports. *Chemosphere* Vol. 68: 677-685,

2007.

- M. Alvarez-Guerra, J.R. Viguri, M.C. Casado-Martínez, T.A. DelValls. Sediment Quality Assessment and Dredged Material Management in Spain: Part I, Application of Sediment Quality Guidelines in the Bay of Santander. *Integrated Environmental Assessment and Management* Vol. 3: 529–538, 2007.
- M. Alvarez-Guerra, J.R. Viguri, M.C. Casado-Martínez, T.A. DelValls. Sediment Quality Assessment and Dredged Material Management in Spain: Part II, Analysis of Action Levels for Dredged Material Management and Application to the Bay of Cádiz. *Integrated Environmental Assessment and Management* Vol. 3: 539–551, 2007.
- M.C. Casado-Martínez. Linking physicochemical and ecotoxicological assessments for dredged material characterization in ports affected by metallic pollution. *Terra et Aqua*. Volume: September: 11- 19, 2006.
- M.C. Casado-Martínez, J.L. Buceta, M.J. Belzunce, T.A. Delvalls. Using Sediment Quality Guidelines for dredged material management in commercial ports from Spain. *Environment Internacional*. Vol. 32: 388- 392, 2006.
- M.C. Casado-Martínez, J.L. Buceta, J.M. Forja, T.A. DelValls. Inter-laboratory assessment of marine bioassays to evaluate environmental quality of coastal sediments in Spain: I. Exercise description and sediment quality. *Ciencias Marinas*. Vol. 32(1B): 121-128, 2006.
- Casado-Martínez, M.C.; Beiras, R.; Belzunce, M.J.; González-Castromil, M.A., Marín-Guirao, L.; Postma, J.F.; Riba, I. and DelValls, T.A. Inter-laboratory assessment of marine bioassays to evaluate environmental quality of coastal sediments in Spain: III. The whole sediment toxicity test using crustacean amphipods. *Ciencias Marinas*. Vol. 32(1B): 149-157, 2006.
- Casado-Martínez, M.C.; Campisi, T.; Díaz, A.; Lo Re, R.; Obispo, R.; Postma, J.F.; Riba, I.; Sneekes, A.C.; Buceta, J.L. and DelValls, T.A. Inter-laboratory assessment of marine bioassays to evaluate environmental quality of coastal sediments in Spain: II. The bioluminescence inhibition test for rapid sediment toxicity assessment. *Ciencias Marinas* Vol. 32(1B): 129- 138, 2006.
- Casado-Martínez, M.C.; Blasco, J.; González-Castromil, M.A.; Riba, I. and DelValls, T.A. Inter-laboratory assessment of marine bioassays to evaluate environmental quality of coastal sediments in Spain: V. The whole sediment toxicity test using the juvenile bivalve *Ruditapes philippinarum* (Reeves 1864). *Ciencias Marinas*. Vol. 32(1B): 159- 166, 2006.
- Casado-Martínez, M.C.; Beiras, R.; Lloret, J.; Marín, L.; Martínez-Gómez, C.; Riba, I.; Saco-Álvarez, L.; Fernández, N. and DelValls, T.A. Inter-laboratory assessment of marine bioassays to evaluate environmental quality of coastal sediments in Spain: III. Bioassay using larval stages of the marine sea urchin *Paracentrotus lividus* (Lamarck, 1816). *Ciencias Marinas*. Vol. 32(1B): 139-147, 2006.
- Casado-Martínez, M.C.; Buceta, J.L.; Forja, J.M. and DelValls, T.A. Inter-laboratory assessment of marine bioassays to evaluate environmental quality of coastal sediments in Spain: VI. General analysis of results and conclusions of the exercise. *Ciencias Marinas* Volumen: 32(1B): 167: 177, 2006.
- M.L. Martín-Díaz, I. Riba, M.C. Casado-Martínez, T.A. DelValls. Bioavailability of metals in sediments from Spanish estuaries using *Carcinus maenas*. *Ciencias Marinas*. Vol. 32(22): 412- 420, 2006.
- T. Campisi, F. Abbondanzi, M.C. Casado-Martinez, T.A. DelValls, R. Guerra, A. Iacondini. Effect of sediment turbidity and color on light output measurement for Microtox® basic solid-phase test. *Chemosphere*. Vol. 60: 9-15, 2005.

- T.A. Delvalls., M.C. Casado-Martínez, M.L. Martín-Díaz, J. Blasco, J.L. Buceta. A weight of evidence approach to characterize sediment quality using laboratory and field assays: an example for Spanish Ports. In: J. Lehr, J. Keeley. *Water Encyclopedia: Water quality and resource management*. Wiley, 2005. pp. 350-355. ISBN 0471736864.
- A. Cesar, M.C. Casado-Martínez, I. Riba, T.A. Delvalls. Amphipod sediment toxicity test. In: J. Lehr, J. Keeley. *Water Encyclopedia: Water quality and resource management*. Wiley, 2005. pp. 408-413. ISBN 0471736864.
- I. Riba, M.C. Casado-Martínez, J.M. Forja, T.A. DelValls. Sediment Quality in the Atlantic Coast of Spain. *Environmental Toxicology and Chemistry*. Vol. 23 (2): 273-282, 2004.
- I. Riba, M.C. Casado-Martínez, J. Blasco, T.A. Delvalls. Bioavailability of heavy metals bound to sediments affected by a mining spill using *Solea senegalensis* and *Scrobicularia plana*. *Marine Environmental Research*. Vol 58 (2-5): 395- 399, 2004.
- E. García-Luque, T.A. DelValls, M.C. Casado-Martínez, J.M. Forja, A. Gómez-Parra. Simulating a heavy metal spill under estuarine conditions: effects on clam *Scrobicularia plana*. *Marine Environmental Research*. Vol 58 (2-5): 671- 674, 2004.
- M.L. Martín-Díaz, S. Bamber, M.C. Casado-Martínez, D. Sales, T.A. DelValls. Toxicokinetic of heavy metals from a mining spill using *Carcinus maenas*. *Marine Environmental Research* Vol. 58 (2-5): 833- 837, 2004.
- T.A. Delvalls, A. Andrés, M.J. Belzunce, J.L. Buceta, M.C. Casado-Martínez, R. Castro, J.R. Viguri, J. Blasco. Chemical and ecotoxicological guidelines for managing disposal of dredged material. *Trends in Analytical Chemistry*. Vol. 23 (10-11): 819- 828, 2004.
- M.C. Casado-Martínez, Riba, I., González de Canales, M.L., T.A. Delvalls. Sublethal effects associated to contaminants bound to dredged material. *Remediation of Contaminated Sediments—2003. Proceedings of the Second International Conference on Remediation of Contaminated Sediments (Venice, Italy; 30 Sep–3 Oct 2003)*. Paper: J-04. Battelle Press ISBN 1-57477-143-4, Columbus, OH. USA, 2004.
- T.A. Delvalls., M.C. Casado-Martínez, J.L. Buceta. Proposal of a tier testing schema to characterize Dredged material in Spanish ports. *Remediation of Contaminated Sediments—2003. Proceedings of the Second International Conference on Remediation of Contaminated Sediments (Venice, Italy; 30 Sep–3 Oct 2003)*. Paper: L-04 Battelle Press ISBN 1-57477-143-4. Columbus, OH. USA, 2004.
- DelValls, T.A., Casado-Martínez, M.C., Riba, I., Blasco. Linking sediment chemical and biological guidelines for characterization of dredged material. *Journal of Environmental Science and Health. Part A*. Vol. 40: 289- 303, 2003.