

APPENDIX A

PAPERS RESULTING FROM THIS THESIS

A.1 Papers published in journals

1. **A. Sánchez-Arcilla, A. Rodriguez and M. Mestres**, (1998), *A three-dimensional simulation of pollutant dispersion for the near- and far-field in coastal waters*, Journal of Marine and Environmental Engineering, **4**, 217-243.
2. **A. Rodriguez, M. Mestres, A. Sánchez-Arcilla and F.Collado**, (1998), *LAD-3D: modelo 3D de simulación de la dispersión en campo cercano y lejano de contaminantes en aguas costeras*, Revista Int. Métodos Numéricos para Cálculo y Diseño en Ingeniería, **14**(2), 225-246.
3. **M. Mestres and A. Rodriguez**, (2000), *3D Lagrangian model for pollutant dispersion in coastal waters*, in “Turbulent Diffusion in the Environment” (J.M. Redondo and A. Babiano, eds.), 19-28.
4. **M. Mestres, J.P. Sierra, A. Sánchez-Arcilla, J. González del Río, T. Wolf, A. Rodriguez and S. Ouillon**, (2002), *Numerical simulation of the Ebro River plume*, Journal of Marine Systems (in press).

A.2 Papers presented at conferences

1. **M. Mestres, M. Díez, J.P. Sierra, A. Rodriguez and A. Sánchez-Arcilla**, (1998), *Modelling the dispersion of dye spots in coastal waters*, IV Int. Conference Littoral'98, Barcelona (Spain), Proceedings 493-500.

2. **J.P. Sierra, M. Mestres, A. Rodriguez and A. Sánchez-Arcilla**, (1998), *A Lagrangian 3D numerical model of pollutant dispersion in coastal waters*, Int. Conference on Environmental Coastal Regions, Cancún (México), Environmental Coastal Regions, **1**, 331-340.
3. **A. Rodriguez, M. Mestres, E. Bahía, J. P. Sierra and A. Sánchez-Arcilla**, (1998), *Numerical modelling of pollutant dispersion in surface waters: lagrangian approaches*, 4th World Congress on Computational Mechanics, Buenos Aires (Argentina), CD-ROM.
4. **M. Mestres, A. Sánchez-Arcilla, J.P. Sierra, M. Espino, M.A. Maidana, M. Garcia and A. Rodriguez**, (1999), *Hydrodynamic modelling of the Ebre River plume*, Int. Conf. On Hydrodynamic and Ecologic Aspects of Nutrient Forecasting for Odra and Ebro, Szczecin (Poland), Proceedings 59-68.
5. **M. Mestres, J.P. Sierra, A. Sánchez-Arcilla, M. Díez, M. Espino, M.A. Maidana, M. Garcia and A. Rodriguez**, (1999), *Transport modelling near the mouth of the river Ebre*, MEDCOAST99-EMECS99 Joint Conference, Antalya (Turkey), Proceedings 1845-1856.
6. **M. Mestres, J.P. Sierra, A. Sánchez-Arcilla, M. Díez, M. Espino, M.A. Maidana, M. Garcia and A. Rodriguez**, (1999), *Modelado numérico de la dispersión de la descarga de un río: aplicación al Ebro*, V Jornadas Españolas de Ingeniería de Puertos y Costas, A Coruña (Spain), Proceedings II 1051-1059.