Elenco dei Lavori a stampa e abstracts

1. F. Calligaris, P. Ciuti, I. Gabrielli, R. Giacomich and **R. Mosetti**; 1978: Wave-lenght dependence of timing properties of the XP2020 photomultiplier. Nuclear Instr. Meth., 157.

2. A. Michelato, **R. Mosetti** and D. Viezzoli; 1981: Storm surge forecasting in Venice by stochastic models. Atti del simposio 'The Adriatic Sea', Rovinj, 19-21 ottobre 1981.

3. E. Accerboni, B. Manca, A. Michelato, F. Moro and **R. Mosetti**; 1981: Caratteristiche dinamiche estive dell'Alto Adriatico e loro influenza sui fenomeni di inquinamento. Atti del Convegno dei Sottoprogetti 'Risorse Biologiche ed Inquinamento' CNR/ Roma, 10-11 novembre 1981.

4. **R. Mosetti**, F. Mosetti and N. Purga; 1983: On short period tides in the seas around Italy. Boll. Oceanol. Teor. Appl., 1.

5. A. Michelato, **R Mosetti** and D. Viezzoli; 1983: Statistical forecasting of storm surge: an application to the lagoon of Venice. Boll. Oceanol. Teor. Appl., 1.

6. M.S. Barbano and **R. Mosetti**; 1983: A hydrodynamical numerical model of tsunami wave propagation in the Messina Strait. Boll. Geofis. Teor. Appl., 98.

7. **R. Mosetti**; 1983: Un filtro di Kalman per la stima delle costanti armoniche di marea. Atti del Congresso SIF, Messina, 24 ottobre 1983.

8. **R. Mosetti**; 1983: A Kalman filter estimate of the tidal harmonic constants. Il Nuovo Cimento C, 6C, 5.

9. **R. Mosetti**; 1985: Global stability of quasi-geostrophic flows by means of the Lyapunov function method. Boll. Ocean. Teor. Appl., 3, 1.

10. **R. Mosetti**; 1985: Analysis of a feedback system governed by the diffusion equation. Il Nuovo Cimento C, 8C, 1.

11. **R. Mosetti**; 1985: Optimal control of sea level in a tidal basin by means of the Pontryagin Maximum Principle. Appl. Math. Modelling, 9, 5.

12. **R. Mosetti**; 1985: Caratteristiche delle correnti di marea nell'Adriatico Settentrionale esaminate applicando l'analisi rotatoria al problema di Taylor. Atti del LXXI Congresso SIF, Trieste, 3-8 ottobre 1985.

13. F. Cavallini and **R. Mosetti**; 1986: Bora et Scirocco un modele hydrodinamique tridimensionnel. In 'L'imaginaire scientifique', Paris, 1986.

14. P. Berger, A. Michelato and **R. Mosetti**; 1986: Misure correntometriche nell'Adriatico Settentrionale. In 'Data Catalogue Adria 94', Editor P.M. Schlittenhard, ISPRA Center.

15. F. Crisciani, F. Cavallini, **R. Mosetti** and F. Zanolin; 1986: Confinamento degli autovalori nel problema dell'instabilita' baroclinica per flussi zonali. Atti del LXXII Congresso SIF, Padova, 7 oobtre 1986.

16. **R. Mosetti**; 1986: Determination of the current structure of the M2 tidal component in the Northern Adriatic Sea by applying the rotary analysis to the Taylor model. Boll. Oceanol. Teor. Appl., 4, 3.

17. **R. Mosetti**; 1987: Optimization of closure operations in a tidal basin during a storm-surge. Appl. Math. Modelling, 11, 1.

18. **R. Mosetti**; 1987: Ricostruzione dei profili verticali di corrente da dati correntometrici usando la tecnica del ricostruttore asintotico. Atti del 4 Convegno GNFAO, Roma 22-24 giugno 1987.

19. F. Crisciani, F. Cavallini, **R. Mosetti** and F. Zanolin; 1987: Eigenvalue confinement in the problem of linear baroclinic instability for oceanic zonal flows. Il Nuovo Cimento C, 10C,4.

20. **R. Mosetti**; 1987: The inverse problem of the calculus of variations applied to some quasi-geostrophic equations. Il Nuovo Cimento C, 10C,5.

21. **R. Mosetti**; 1988: Optimal strategies for monitoring a variable subjected to random changes. Appl. Math. and Computations, 25, 2.

22. **R. Mosetti**; 1988: Optimal policies in a bioeconomic model of eutrophication. Appl. Math. and Computation, 26, 3.

23. **R. Mosetti**;1988: Reconstruction of the vertical structure of time-dependent flow from currentmeter data by means of the observer technique. IEEE Journal of Oceanic Eng., 13,2.

24. F. Crisciani and **R. Mosetti**; 1988: Alcuni aspetti della conservazione del momento angolare nella fluidodinamica geofisica. Bollettino Geofisico, 4.

25. F. Cavallini, F. Crisciani and **R. Mosetti**; 1988: Bounds on the eigenvalue of the planetary-scale baroclinic instability problem. Dyn. Atmos. Oceans, 12.

26. P. Scarazzato, **R. Mosetti** and A. Michelato; 1988: A new algorithm for the computation of dissolved oxygen in sea water from CTD probes equipped with polarographic sensors. Boll. Ocean. Teor. Appl., 6, 4.

27. F. Crisciani and **R. Mosetti**; 1989: A stability criterion for time-dependent zonal flows in the homogeneous model of the ocean. Il Nuovo Cimento C, 12C,2.

28. R. Longo, F. Raicich and **R. Mosetti**; 1990: A numerical model of transport and diffusion of radionuclides in the Gulf of Trieste. Boll. Ocean. Teor. Appl., 8, 1.

29. F. Crisciani and **R. Mosetti**; 1990: On the stability of wind-driven flows in oceanic basins. J. Phys. Oceanogr., 20, 11.

30. **R. Mosetti**; 1990: On a possible interpretation of market dynamics based on the internal model principle. Appl. Math. Computation, 37.

31. **R. Mosetti**; 1991: Ecological models of the marine environment. Lecture notes of the 'Course on oceanography of semi-enclosed seas' ICTP, Trieste, 15 aprile-3 maggio 1991.

32. **R. Mosetti**; 1991: On the determination of the vertical distribution of phytoplankton in the Northern Adriatic Sea by means of an analytical model. Boll. Ocean. Teor. Appl., 9, 1.

33. F. Crisciani and **R. Mosetti**; 1991: Stability criteria independent from the perturbation wavenumber for forced zonal flows. J. Phys. Oceanogr., 21, 7.

34. F. Crisciani and **R. Mosetti**; 1991: Linear asymptotic stability of geophysical channeled flows in the presence of arbitrary longitude-shaped perturbations. Le Matematiche, XLVI, I.

35. **R. Mosetti**; 1992: On the control of phytoplankton growth via a decoupling feedback law. Ecological Modelling. 62.

36. **R. Mosetti**; 1992: Modelli eco-idrodinamici dell'ambiente marino. Congresso SIF 1992. Relazione su invito. Pavia, 8 ottobre, 1992.

37. F. Crisciani and **R. Mosetti**; 1992: Non-linear stability of forced flows in a closed-basin ocean by means of the Lyapunov method. SAACM, 2, 4.

38. A. Crise, G. Crispi and **R. Mosetti**; 1992: Parallelization of a coupled hydrodynamical ecomodel. Rapporto Tecnico N. 1/135 Progetto Finalizzato 'Sistemi informatici e calcolo parallelo'.

39. G. Crispi and **R. Mosetti**; 1993: Adjoint estimation of aquatic ecosystem parameters. COENOSES, 8,1.

40. F. Crisciani, F. Cavallini and **R. Mosetti**; 1994: Stability of analytical solutions of Stommel-Veronis Ocean Circulation Models. J. Phys. Oceanogr., 24, 1.

41. A. Crise, G. Crispi and **R. Mosetti**; 1994: A coupled hydrodynamic-biological model of the Mediterranean Sea. Annales Geophysicae, II, vol. 10.

42. F. Crisciani and **R. Mosetti**; 1994: An extension of the Serrin Non-linear universal stability criterion to the quasi-geostrophic barotropic fluid dynamics. Il Nuovo Cimento C, 17C, 4.

43. B. Carminati, A. Crise and **R. Mosetti**; 1994: Transport and Spreading Model for an oil-spill event in the gulf of Trieste. Atti del Convegno 'EUROPROTECH', Udine, 6-8 maggio 1993.

44. A. Crise, G. Crispi, **R. Mosetti**, G. Civitarese and A. Lucchetta; 1994: Influence of the circulation on the nitrogen cycling in Ionian Sea. Annales Geophysicae, part II, suppl. II, vol. 12.

45. A. Crise, G. Crispi, **R. Mosetti** and P. Palamidese; 1994: A numerical study on the influence of the solar radiation on biogeochemical cycles in Eastern Mediterranean. Annales Geophysicae, part II, suppl. II, vol. 12.

46. M. Gacic, V. Kovacevic, B. Manca, **R. Mosetti**, P. Scarazzato and A. Vetrano; 1994: Direct current measurements and transport evaluation in the Strait of Otranto. First Workshop of the MTP, Barcelona, november 1994.

47. B. Manca, M. Gacic, V. Kovacevic, **R. Mosetti**, E. Papageorgiou, P. Scarazzato, A. Theocharis and A. Vetrano; 1994: Variability of thermohaline Conditions in the Area of the Strait of Otranto. First Workshop of the MTP, Barcelona, november, 1994.

48. **R. Mosetti**, A. Crise, G. Crispi and E. Mauri; 1994: Abiogeochemical modelling approach to nitrogen budget in the Mediterranean Sea. First Workshop of the MTP, Barcelona november 1994.

49. F. Crisciani, F. Cavallini and **R. Mosetti**; 1995: Nonlinear Asymptotic stability of Munk's solution of the general circulation problem. J. Phys. Oceanogr., 25, 7, 1723-1729.

50. A. Crise, G. Crispi, S. Mauri and **R. Mosetti**; 1995: Seasonal variability of the nitrogen cycle in the Mediterranean Sea. Rapp. Comm. int. Mer Medit., 34.

51. G. Civitarese, A. Crise, G. Crispi and **R. Mosetti**;1996: Circulation effects on nitrogen dynamics in the Ionian Sea. Oceanologica Acta., 19,6, 609-622.

52. P. Scarazzato and **R. Mosetti**, 1996: Water exchange processes at Otranto Strait. Mediterranean Targeted Project Newsletters, 4, 11-15.

53. **R. Mosetti**, 1997: Hydrodynamics and Geochemical Fluxes in the Strait of Otranto. In: Interdisciplinary research in the Mediterranean Sea. Editor: E. Lipiatou, European Commission DG XII.

54. G. Crispi, A. Crise, **R. Mosetti** and C. Solidoro, 1998: A numerical Study of the effect of sinking velocity on spatial and temporal evolution of the biochemical parameters in the Mediterranean Sea. In EGS abstracts, Nice, april, 1998.

55. G. Crispi, A. Crise, **R. Mosetti** and C. Solidoro, 1998: Effects of Advection, mixing and sinking on spatial and temporal evolution of biochemical parameters in the Mediterranean Sea. In EGS Abstracts, Nice, April, 1998.

56. E. Lipiatou, **R. Mosetti**, S. Heussner, A. Tselepides, J. Tintoré, R. Santoleri and A. Monaco (Eds) 1998: Scientific report of the First European Conference on Progress in Oceanography of the Mediterranean Sea, Research in enclosed sea series, MAST-European Commission, EUR 18312 Report.

57. **R. Mosetti**, 1999: A proposal for a fixed monitoring network in the Mediterranean Sea. In 2nd EUROGOOS CONFERENCE, Roma, 10-13 Marzo, 1999

58. A. Crise, I. Allen, J. Baretta, G. Crispi and **R. Mosetti**, 1999: The Mediterranean Pelagic Ecosystem response to physical forcing. Progress in Oceanography, Special Issue on Progress in Oceanography of the Mediterranean Sea, Vol. 44, 1-3.

59. P. Colantoni, C. Ceccolini and **R. Mosetti**, 1999: Physical Sciences of the Oceans: Italian research activity (1995-1998) report to IAPSO. BGTA, Vol. 40, supplement, pp. 3-26.

60. G. Crispi, **R. Mosetti**, C. Solidoro and A. Crise, 2001: Nutrient cycling in the Mediterranean Basins: the role of the biological pump in the trophic regime. Ecological Modelling, 138, 101-114

61. **R. Mosetti**, 2002: Un sistema integrato di monitoraggio delle aree costiere: l'esperienza dell'OGS nel Golfo di Trieste. Arch. Oceanogr. Limnol., 23, 111-113.

62. S. Marzetti Dall'Aste Brandolini and **R. Mosetti** 2004: Sustainable tourism development and social carrying capacity: a case study on the North-Western Adriatic Sea. Sustainable Tourism WIT Press., pp. 211-220.

63. E.Migneco et al**., R. Mosetti** 2004: NEMO: Status of the Project. Nuclear Physics B, 136, 61-68.

64. S. Marzetti Dall'Aste Brandolini and **Renzo Mosetti**, 2005: Social Carrying Capacity of Mass Tourist Sites: Theoretical and Practical Issues about its Measurement. Fondazione Enrico Mattei, Nota di Lavoro 144.

65. C. Fanara, **R. Mosetti**, M. Spoto, E. Vinzi, 2005**:** Innovative strategies for Marine Protected Areas monitoring: the experience of the Istituto Nazionale di Oceanografia e di Geofisica Sperimentale in the Riserva Naturale Marina di Miramare, Trieste – Italy. Proceedings Ocean 2005 Conference Washington DC September 18-23, 2005.

66. **R. Mosetti**, 2006: Game theory approach on sustainable tourism. In Sustainable Tourism II (book) Editors: C.A. Brebbia and F.D. Pineda, pp.337-340, WIT Press.

67. M. Lipizer, R. Gerin, M. Spoto and **R. Mosetti**, 2007: Optical properties and light penetration in the waters of the Gulf of Trieste (north Adriatic Sea). BGTA, Vol.48, pp. 65-78, 2007

68. F. Crisciani, G. Badin and **R. Mosetti**, 2007: On the benthic Ekman layer. IL NUOVO CIMENTO C, Vol. 31C, N. 3, pp 339- 355.

69. F. Crisciani, F. Cavallini and **R. Mosetti,** 2007**:** On the additional boundary conditions of wind-driven ocean models on the eastern coast. IL NUOVO CIMENTO C, Vol. 30C, N.2, pp. 219-228.

70. A. Giorgetti, A. Brosich and **R. Mosetti**, 2007: OGS oceanographic data archiving and validation system: the IOC/National Oceanographic Data Centre. BGTA, Vol. 48, N. 3, pp. 359-369.

71. **Renzo Mosetti** e Marina Silvestri, 2008: Da Okeanos al Nino, il contributo dell'oceanografia agli studi sul clima. Bruno Mondatori Editore,169 pp.

72. F. Donda, E. Gordini, M. Rabesco, V. Pascucci, G. Fontolan, P. Lazzari and **R. Mosetti,** 2008: Shallow Water sea-floor morphologies around Asinara Island. Cont. Shelf. Res., 28, 2550-2564.

73. A. Campanelli, A. Bulatovic, M. Cabrini, F. Grilli, Z. Kijajic, **R. Mosetti**, E. Paschini, P. Penna and M. Marini, 2009: Spatial distribution of physical, chemical and biological oceanographic properties, Phytoplankton, nutrients and Coloured Dissolved Organic Matter (CDOM) in the Boka Kotorska Bay (Adriatic Sea). GEOFIZIKA, Vol. 26, pp. 1-14.

74. **Renzo Mosetti**, Roberto Purini e Marina Silvestri 2011: la Rosa del freddo. Bruno Mondadori Editore, 139 pp.

75. Fulvio Crisciani, **Renzo Mosetti** and Roberto Purini, 2013: Stability of barotropic geostrophic flows revisited with some applications. Eur. Phys. J. Plus, 128: 18.