

## 5. BIBLIOGRAFIA

- Airamé S., Dugan J., Lafferty K., Leslie H., McArdle D., Warner R., 2003. Applying ecological criteria to marine reserve design: A case study from the California Channel Islands. *Ecological Applications* **13** (1): S170-S184.
- Allison G.W., Lubchenco J., Carr M.H., 1998. Marine reserves are necessary but not sufficient for marine conservation. *Ecological Application* **8** (1): S79-S92.
- Aronoff S., 1989. Geographic Information Systems: A Management Perspective. WDL Publ., Ottawa, Canada.
- Attwood C.G., Harris J.M., Williams A.J., 1997. International experience of Marine Protected Areas and their relevance to South Africa. *African Journal of Marine Science* **18**: 311-332.
- Badalamenti F, Ramos A.A., Voultsiadou E., Sanchez Lizaso J.L., D'Anna G., Pipitone C., Mas J., Ruiz Fernandez J.A., Whitmarsh D., Riggio S., 2000. Cultural and socio-economic impacts of Mediterranean marine protected areas. *Environmental Conservation* **27** (2): 110-125.
- Ball I.R., 2000. Mathematical applications for conservation ecology: the dynamics of tree hollows and the design of nature reserves. PhD Thesis, The University of Adelaide.
- Ball I.R., Possingham H., 2000. Marine Reserve Design using Spatially explicit Annealing: MarXan V1.2 Users Manual. Consultancy report to GBRMPA: 63pp.
- Ballantine W.J., 1991. Marine reserves for New Zealand. Leigh Laboratory Bulletin Number 25. University of Auckland, New Zealand.
- Ballantine W.J., 1997. Design principles for systems of “no-take” marine reserves. Page 4 in T.J. Pitcher, editor. *The design and monitoring of marine reserves*. Volume 9, Number 1. Fisheries Centre, University of British Columbia, Vancouver, British Columbia, Canada.
- Banks S.A., Skilleter G.A., Possingham H.P., 2005. Intertidal habitat conservation: identifying conservation targets in the absence of detailed biological information. *Aquatic Conservation: Marine and Freshwater Ecosystems* **15**: 271-288.

- Beck M.W., Odaya M., 2001. Ecoregional planning in marine environments: identifying priority sites for conservation in the northern Gulf of Mexico. *Aquatic Conservation* **11**: 235-242.
- Benedetti-Cecchi L., 2003. Disegno sperimentale ed analisi di ipotesi in ecologia. *Biologia Marina Mediterranea* (2003), **10** (Suppl.): 433-484.
- Blot M., Legendre B., Albert P., 1990. Restriction fragment length polymorphism of mitochondrial DNA in subantarctic mussels. *Journal of Experimental Marine Biology and Ecology* **141**: 79-86.
- Botsford L.W., Micheli F., Hastings A., 2003. Principles for the design of marine reserves. *Ecological Applications*, **13** (1): S25-S31.
- Botsford L.W., Moloney C.L., Hastings A., Largier J.L., Powell T.M., Higgins K., Quinn J.F., 1994. The influence of spatially and temporally varying oceanographic conditions on meroplanktonic metapopulations. *Deep-Sea Research II* **41**: 107-145.
- Bourry-Esnault N., Harmelin J.G., Vacelet J., 1993. Les abysses méditerranéennes à vingt mètres de profondeur? *La recheche* **24** (256) suppl.: 848-851.
- Brown J.H., Davidson D.W., 1977. Competition between seed-eating rodents and ants in desert ecosystems. *Science* **196**: 880-882.
- Brown J.H., Davidson D.W., Munger J.C., Inouye R.S., 1986. Experimental community ecology: the desert granivore system. Pages 41-61 in J. Diamond and T.J. Case, editors. *Community ecology*. Harper and Row, New York, New York, USA.
- Burrough P.A., 1986. *Principles of Geographical Information System for land Resources Assessment*. Oxford University Press, Oxford.
- Bussotti S., 2003. Variabilità spazio-temporale di popolamenti bentonici e ittici di fondo duro in ambienti di grotta marine della Penisola Salentina (Puglia-meridionale). Tesi di Dottorato in Biologia Ambientale. Università di Siena. 130 pp.
- Bustamante R.H., Martinez P., Rivera F., Bensted-Smith R., Vinueza L., 1999. A proposal for the initial zoning scheme of the Galapagos Marine Reserve. Charles Darwin Research Station Technical Report. Charles Darwin Research Station, Galapagos, Ecuador.

- Cabeza M., Moilanen A., 2001. Design of reserve networks and the persistence of biodiversity. *Trends in Ecology & Evolution* **16** (5): 242-248.
- Camm J.D., Polaski S., Solow A., Csuti B., 1996. A note on optimal algorithms for reserve site selection. *Biology Conservation* **78**: 353-355.
- Carpenter S.R., Kitchell J.F., editors., 1993. Cambridge studies in ecology: the trophic cascade in lakes. Cambridge University Press, New York, New York, USA.
- Carr M.H., Neigel J.E., Estes J.A., Andelman S., Warner R.R., Largier J.L., 2003. Comparing marine and terrestrial ecosystems: implications for the design of coastal marine reserves. *Ecological Applications* **13**: S90-S107.
- Carr M.H., Reed D.C., 1993. Conceptual issues relevant to marine harvest refuges: examples from temperate reef fishes. *Canadian Journal of Fisheries and Aquatic Science* **50**: 2019-2028.
- Castilla J.C., Fernandez M., 1998. Small-scale benthic fisheries in Chile: a lesson on co-management and sustainable use of benthic invertebrates. *Ecological Application* **8**: S124-S132.
- Church R.L., Stoms D.M., Davis F.W., 1996. Reserve selection as maximal covering location problem. *Biology Conservation* **76**: 105-112.
- Cognetti G. 1991. Marine parks in the Mediterranean: function,, creation management. In: Cotes et Parcs Marins de la Méditerranée, Actes du Colloqui Bastia, Bastia (Corse), 30-May-1 June 1991, pp. 15-16.
- Cognetti G. 1991. Marine parks in the Mediterranean: function,, creation management. In: Cotes et Parcs Marins de la Méditerranée, Actes du Colloqui Bastia, Bastia (Corse), 30-May-1 June 1991, pp. 15-16.
- Costanza R., 1999. The ecological, economic, and social importance of the oceans. *Ecological Economist* **31**: 199-213.
- Costanza R., Andrade F., Antunes P., Van Den Belt M., Boersma D., Boesch D.F., Catarino F., Hanna S., Limburg K., Low B., Molitor M., Pereira J.G., Rayner S., Santos R., Wilson J., Young M., 1998. Principles for sustainable governance of the oceans. *Science* **281**: 198-199.
- Cowen D.J., 1988. GIS versus CAD versus DBMS: what are the differences?. *Photogrammetric Engineering and Remote Sensing*. **54** (11): 1551-1554.

- Cowen R.K., 1983. The effect of sheephead (*Semicossyphus pulcher*) predation on red sea urchin (*Strongylocentrotus franciscanus*) populations: an experimental analysis. *Oecologia* **58**: 249-255.
- Cowen R.K., Lwiza K.M.M., Sponaugle S., Paris C.B., Olson D.B., 2000. Connectivity of marine populations: open or closed? *Science* **287**: 857-859.
- Crockett C.M., Eisenberg J.F., 1986. Howlers: variations in group size and demography. Pages 54-68 in B.B. Smuts, D.L. Cheney, R.M. Seyfarth, R.W. Wrangham, T.T. Struhsaker, editors. *Primate societies*. University of Chicago Press, Chicago, Illinois, USA.
- Csuti B., Polaski S., Williams P.H., Pressey R., Camm J.D., Kershaw M. *et al.*, 1997. A comparison of reserve selection algorithms using data on terrestrial vertebrates in Oregon. *Biology Conservation* **80**: 83-97.
- Davis F.W., Stoms D.M., Church R.L., Okin W.J., Johnson K.N., 1996. Selecting biodiversity management areas. Pages 1503-1528 in *Sierra Nevada ecosystem project: final report to Congress. Volume II. Assessments and scientific basis for management options*. Centers for Water and Wildlands Resources, University of California, Davis, California, USA.
- Day J.C., Roff J.C., 2000. Planning for representative marine protected areas: a framework for Canada's oceans. World Wildlife Fund, Toronto, Ontario, Canada.
- Dayton P.K., Thrush S.F., Agardy M.T., Hofman R.J., 1995. Environmental effects of marine fishing. *Aquatic Conservation: Marine Freshwater Ecosystem* **5**: 205-232.
- Denny M.W., 1993. Air and water: the biology and physics of life's media. Princeton University Press, Princeton, New Jersey, USA.
- Dinerstein E., Olson D.M., Graham D.J., Webster A.L., Pimm S.A., Bookbinder M.P., Ledec G., 1995. A conservation assessment of the terrestrial ecoregions of Latin America and the Caribbean. World Bank, Washington, D.C., USA.
- Doherty P.J., Williams D.M., 1988. The replenishment of coral reef fish populations. *Oceanography and Marine Biology Annual Reviews* **26**: 487-551.

- Dugan J.E., Davis G.E., 1993. Applications of marine refugia to coastal fisheries management. *Canadian Journal Fisheries and Aquatic Sciences* **50**: 2029-2042.
- Eliniki Etairia, 1994. The Book-directory for the Mediterranean Monk Seal in Greece. Athens: The Hellenic Society for the Protection of the Environment and the Cultural Heritage: 167 pp.
- Estes J.A., Palmisano J.F., 1974. Sea otters: their role in structuring nearshore communities. *Science* **185**: 1058-1060.
- FAO 1997. Review of the state of world fisheries resources: marine fisheries. FAO, Fisheries Circular 920. FAO, Rome, Italy.
- FEMAT (Forest Ecosystem Management Assessment Team), 1993. Forest ecosystem management: an ecological, economic, and social assessment. Report of the Forest Ecosystem Management Assessment Team. U.S. Government Printing Office, Washington, D.C., USA.
- Fraschetti S., Terlizzi A., Bussotti S., Guarnieri G., D'Ambrosio P., Boero F., 2005. Conservation of Mediterranean seascapes: analyses of existing protection schemes. *Marine Environmental Research* **59**: 309-332.
- Fraschetti S., Terlizzi A., Micheli F., Bendetti-Cecchi L., G., Boero F., 2002. Marine Protected Areas in the Mediterranean Sea: objectives, effectiveness and monitoring. P.S.Z.N.: *Marine Ecology* **23** (1): 1900-200.
- Friedlander A.J., Nowlis S., Sanchez J.A., Appeldoorn R., Usseglio P., McCormick C., Bejarano S., Mitchell-Chui A., 2003. Designing Effective Marine Protected Areas in Seaflower Biosphere Reserve, Colombia, Based on Biological and Sociological Information. *Conservation Biology*, Pages: 1769-1784.
- Gaines S., Gaylord B., Largier J., 2003. Avoiding current oversights in marine reserve design. Using siting algorithms in the design of marine reserve networks. *Ecological Applications* **13** (1): S32-S46.
- Garcia-Rubies A., Macpherson E., 1995. Substrate use and temporal pattern of recruitment in juvenile fishes of the Mediterranean littoral. *Marine Biology* **124**: 35-42.

- Garcia-Rubies A., Zabala M., 1990. Effects of total fishing prohibition on the rocky fish assemblages of Medes Island marine reserve (NW Mediterranean). *Scientia Marina* **54**: 317-328.
- Gell F.R., Roberts C.M., 2003. Benefits beyond boundaries: the fishery effects of marine reserves. *Trends in Ecology and Evolution* **18**: 448-455.
- Goni R., Polunin N.V.C., Planes S., 2000. The Mediterranean: marine protected areas and the recovery of a large marine ecosystem. *Environmental Conservation* **27** (2): 95-97.
- Gray J.S., 1997. Gradients in marine biodiversity. Pages 18-34 in R.F.G Ormond, J.D. Gage, M.V Angel., editors. *Marine biodiversity: patterns and processes*. Cambridge University Press, New York, New York, USA.
- Grimshaw, D.J., 1994. Bringing geographical information systems into business. Longman Group Limited, Harlow, 273 pp.
- Groombridge B., 1992. *Global biodiversity: status of the earth's living resources*. First edition. Chapman and Hall, London, UK.
- Gubbay S., 1995. Marine protected areas-past, present and future. In *Marine Protected Areas: principles and techniques for management*. Edited by Susan Gubbay. Published in 1995 by Chapman & Hall, London.
- Guidetti P., Fraschetti S., Terlizzi A., Boero F., 2003. Distribution patterns of sea urchins and barrens in shallow Mediterranean rocky reefs impacted by the illegal fishery of the rock-boring mollusc Lithophaga lithophaga. *Marine Biology* **143**: 1135-1142.
- Guidetti P., Vierucci E., Bussotti S., D'Ambrosio P., 2005. Aree Marine Protette e benefici per la pesca: valutazione dello spillover presso l'AMP di Torre Guaceto (Brindisi, Adriatico meridionale). *Atti S.It.E.*, XV: 77.
- Hall S.J., 1999. *The effects of fishing on ecosystems and communities*. Blackwell Science, Oxford, U.K.
- Halpern B.S., 2003. The impact of marine reserves: Do reserves work and does reserve size matter? *Ecological Applications* **13**: S117-S137.
- Harmelin J.G., 2000. Ecology of Cave and Cavity Dwelling Bryozoans. Proceeding of 11<sup>th</sup> International Bryozoology Association Conference, 2000, pp. 38-53.

- Harmelin-Vivien M., Harmelin J.G., 1975. Présentation d'une méthode d'évaluation "in situ" de la faune ichtyologique. Travaux Scientifiques du Parc National de Port-Cros **1**: 47-52.
- Harmelin-Vivien M.L., Harmelin J.G., Chauvet C., Duval C. and 7 others, 1985. Evaluation des peuplements et populations de poissons: méthodes et problèmes. Revue Ecologie Terre Vie **40**: 467-539.
- Hastings A., Botsford L.W., 1999. Equivalence in yield from marine reserves and traditional fisheries management. Science **284**: 1-2.
- Hay M.E., Steinberg P.D., 1992. The chemical ecology of plant-herbivore interactions in marine versus terrestrial communities. Pages 371-413 in Rosenthal J. and Berenbaum M., editors. Herbivores: their interaction with secondary metabolites, evolutionary and ecological processes. Academic, San Diego, California. USA.
- Heske E.J., Brown J.H., Mistry S., 1994. Long-term experimental study of a Chihuahuan desert rodent community: 13 years of competition. Ecology **75**: 438-445.
- Hixon M.A., 1997. Effects of reef fishes on corals and algae. February 2003 S105 Pages 230-248 in Birkeland C., editor. Life and death of coral reefs. Chapman and Hall, New York, New York, USA.
- Hixon M.A., Carr M.H., 1997. Synergistic predation causes density-dependent mortality in marine fish. Science **277**: 946-949.
- Hixon, M.A., Boersma P.D., Hunter M.L. Jr., Micheli F., Norse E.A., Possingham H.P., Snelgrove P.V.R., 2001. Oceans at Risks: Research Priorities in Marine Conservation Biology. In Conservation Biology: Reserch Priorities for the Next Decade, M.E. Soulé and G.H. Orians. editors., Island Press, Covelo, CA.
- Hjort J., 1914. Fluctuations in the great fisheries of northern Europe. International Council for the Exploration of the Sea **20**: 1-13.
- Hockey P.A.R., Branch G.M., 1994. Conserving marine biodiversity on the African coast: implications of a terrestrial perspective. Aquatic Conservation: Marine and Freshwater Ecosystems **4**: 345-362.
- Hughes T.P., 1994. Catastrophes, phase shifts, and largescale degradation of a Caribbean coral reef. Science **265**: 1547-1551.

- Hughes T.P., Bellwood D.R., Folke C., Steneck R.S., Wilson J., 2005. New paradigms for supporting the resilience of marine ecosystems. *TRENDS in Ecology and Evolution* **20** (7): 380-386.
- International Council for Bird Preservation, 1992. Putting biodiversity on the map: priority areas for global conservation. International Council for Bird Preservation, Cambridge, UK.
- Jamieson G.S., Levings C.O., 2001. Marine protected areas in Canada- implications for both conservation and fisheries management. *Canadian Journal of Fisheries and Aquatic Sciences* **58**: 138-156.
- Jennings S., Kaiser M.J., 1998. The effects of fishing on marine ecosystems. *Advances in Marine Biology* **34**: 201-352.
- Jordan A., Lawler M., Halley V., Barrett N., 2005. Seabed habitat mapping in the Kent Group of islands and its role in marine protected area planning. *Aquatic Conservation: Marine Freshwater Ecosystem* **15**: 51-70.
- Kelleher G., Kenchington R., 1992. Guidelines for establishing marine protected areas. A marine conservation and development report. World Conservation Union (IUCN), Gland, Switzerland.
- Kirkpatrick J.B., 1983. An iterative method for establishing priorities for the selection of nature reserves: an example from Tasmania. *Biology Conservation* **25**: 127-134.
- Kirkpatrick J.B., Gelatt C.D. Jr., Vecchi M.P., 1983. Optimization by simulated annealing. *Science* **220**: 671-680.
- Lauck T., 1996. Uncertainty in fisheries management. Pp. 91-105, in D.V. Gordon, G.R. Munro (eds.), *Fisheries and Uncertainty: a Precautionary Approach to Resource Management*. University of Calgary Press, Canada.
- Lauck T.C., Clark C.W., Mangel M., Munro G.R., 1998. Implementing the precautionary principle in fisheries management through marine reserves. *Ecological Applications* **8** (1): S72-S78.
- Leis J.M., 1991. The pelagic stage of reef fishes: the larval biology of coral reef fishes. Pages 183–230 in Sale P.F., editor. *The ecology of fishes on coral reefs*. Academic, San Diego, California, USA.

- Lena J.P., De Fraipont M., Colbert J., 2000. Affinity towards maternal odor and offspring dispersal in the common lizard. *Ecology Letters* **3**: 300-308.
- Leslie H., Ruckelshaus M., Ball I.R., Andelman S., Possingham H.P., 2003. Using siting algorithms in the design of marine-reserve networks. *Ecological Applications* **13**: S185-S198.
- Lewin R., 1986. Supply-side ecology. *Science* **234**: 25-27.
- Lewis A., Slegers S., Lowe D., Muller L., Fernandes L., Day J., 2003. Use of Spatial Analysis and GIS techniques to Re-Zone the Great Barrier Reef Marine Park. Coastal GIS Workshop, July 7-8 2003, University of Wollongong, Australia.
- MacArthur R.H., Wilson E.O., 1967. *The Theory of Island Biogeography*. Princeton University Press, Princeton, NJ.
- Macpherson E., 1994. Substrate utilization in a Mediterranean littoral fish community. *Marine Ecology Progress Series* **114**: 211-218.
- Macpherson E., 1998 Ontogenetic shift in habitat use and aggregation in juvenile sparid fishes. *Journal of Experimental Marine Biology and Ecology* **220**: 127-150.
- Margalef R., 1975 - Paralelismo entre la vida de las cavernas Y la de las grandes profundidades marinas (Rivista non rintracciata): 10-20.
- Margules C.R., Pressey R.L., Williams P.H., 2002. Representing biodiversity: data and procedures for identifying priority areas for conservation. *Journal Biosciences* **4**: 309-326.
- McHarg I., 1969. *Design with Nature*. Garden City, New York, Natural History Press: 151 pp.
- McPeek M.A., 1998. The consequences of changing the top predator in a food web: a comparative experimental approach. *Ecological Monographs* **68**: 1-24.
- Meinesz A., Lefevre Jr., Beurier J.P., Boudouresque C.F., Miniconi R., O'Neill J., 1983. Les zones marines protégées des côtes françaises de Méditerranée. *Bulletin d'Ecologie* **14** (1): 35-50.
- Menge B.A., Berlow E.L., Blanchette C.A., Navarrete S.A., Yamada S.B., 1994. The keystone species concept: variation in interaction strength in a rocky intertidal habitat. *Ecological Monographs* **64**: 249-286.

- Metropolis N., Rosenbluth A.W., Rosenbluth M.N., Teller A.H., 1953. Equation of state calculations by fast computing machines. *Journal of Chemical Physics* **21**: 1087-1093.
- Mooney H.A., Lubchenco J., Dirzo R., Sala O. E., 1995. Biodiversity and ecosystem functioning: ecosystem analyses. Pages 327-452 in V.H. Heywood, editor. *Global biodiversity assessment*. Cambridge University Press, Cambridge, UK.
- Murray A.T., Church R.L., 1996. Applying simulated annealing to location planning models. *Journal of Heuristics* **2**: 31-53.
- Naeem S., Thompson L.J., Lawler S.P., Lawton J.H., Woodfin R.M., 1994. Declining biodiversity can alter the performance of ecosystems. *Nature* **368**.
- Norse E.A., editor. 1993. *Global marine biological diversity: a strategy for building conservation into decision making*, Island, Washington, D.C., USA.
- Noss R.F., 1992. The wildlands project: land conservation strategy. *Wild Earth* (Special Issue) **1**: 10-25.
- Noss R.F., O'Connell M.A., Murphy D.D., 1997. *The science of conservation planning: habitat planning under the Endangered Species Act*. Island, Washington, D.C., USA.
- NRC (National Research Council), 1995. *Understanding marine biodiversity: a research agenda for the nation*. National Academy Press, Washington, D.C., USA.
- NRC (National Research Council), 2001. *Marine Protected Areas - Tools for Sustaining Ocean Ecosystems*. National Academy Press, Washington, D.C., USA.
- Olson D.M., Dinerstein E., 1998. The global 200: a representation approach to conserving the Earth's most biologically valuable ecoregions. *Conservation Biology* **12**: 502-515.
- Onorato R. Denitto F., Belmonte G., 1999. Le grotte marine del Salento: classificazione, localizzazione e descrizione. *Thalassia Salentina*, **23**: 67-116.
- Ormond R.F.G., Gage J.D., Angel M.V., 1997. *Marine biodiversity: patterns and processes*. Cambridge University Press, New York, New York, USA.

- Otten, R.H., Ginneken, L.P., 1989. The Annealing Algorithm, Boston: Kluwer Academic Publishers.
- Pace M.L., Cole J.J., Carpenter S.R., Kitchell J.F., 1999. Trophic cascades revealed in diverse ecosystems. *Trends in Ecology and Evolution* **14**: 483-488.
- Paine R.T., 1966. Food web complexity and species diversity. *American Naturalist* **100**: 65-75.
- Palumbi S.R., 1995. Using genetics as an indirect estimator of larval dispersal. Pages 369-387 in L. McEdward, editor. *Ecology of marine invertebrate larvae*. CRC, Boca Raton, Florida, USA.
- Palumbi S.R., 2001. The Ecology of marine protected areas. In *Marine Community Ecology*, M.D. Bertness, S.D. Gaines, M.E. Hay editors, Sinauer Associates, Sunderland, MA.
- Palumbi S.R., Gaines S.D., Leslie H., Warner R.R., 2003. New wave: high-tech tools to help marine reserve research. *Frontiers in ecology and the Environment*, **1** (2): 73-79.
- Palumbi SR. 2002. Marine reserves: a tool for ecosystem management and conservation. Washington, DC: Pew Ocean Commission Reports.
- Pauly D., Christensen V., Dalsgaard J., Froese R., Torres F. Jr., 1998. Fishing down marine food webs. *Science* **279**: 860-863.
- Pennings S.C., 1997. Indirect interactions on coral reefs. Pages 249-272 in Birkeland C., editor. *Life and death of coral reefs*. Chapman and Hall, New York, New York, USA.
- Peterson C.H., Estes J.A., 2001. Conservation and management of marine communities. In *Marine Community Ecology*, M.D. Bertness, S.D. Gaines, M.E. Hay editors, Sinauer Associates, Sunderland, MA.
- Plan Development Team, 1990. The potential of marine fishery reserves for reef fish management in the U.S. Southern Atlantic. National Oceanic and Atmospheric Administration Technical Memorandum NMFS-SEFC-261, Southeast Fisheries Center, Miami, Florida, USA.
- Planes S., Galzin R., Garcia-Rubies A., Goni R., Harmelin J.G., Le Diréach L., Lenfant P., Quetglas A., 2000. Effects of marine protected areas on

- recruitment processes with special reference to Mediterranean littoral ecosystems. *Environmental Conservation* **27**:126-143.
- Possingham H.P., Ball I., Andelman S., 2000. Mathematical methods for reserve system design. Pages 291-306 in S. Ferson and M. Burgman, editors. *Quantitative Methods for Conservation Biology*. Springer-Verlag, New York.
- Power M.E., Tilman D., Estes J.A., Menge B.A., Bond W.J., Mills L.S., Daily G., Castilla J.C., Lubchenco J., Paine R.T., 1996. Challenges in the quest for keystones. *BioScience* **46**: 609-620.
- Pressey R., Taffs K.H., 2001. Scheduling conservation action in production landscapes: priority areas in western New South Wales defined by irreplaceability and vulnerability to vegetation loss. *Biology Conservation* **100**: 155-376.
- Pressey R.L., Humphries C.J., Margules C.R., Vane-Wright R.I., Williams P.H., 1993. Beyond opportunism: key principles for systematic reserve selection. *Trends Ecology Evolution* **8**: 124-128.
- Pressey R.L., Possingham H.P., Margules C.R., 1996. Optimality in reserve selection algorithms: when does it matter and how much? *Biology Conservation* **76**: 259-267.
- Progetto Interreg Italia-Grecia, 2001. Qualità dei sistemi marini costieri e proposte localizzazione di Aree Marine Protette. Responsabile della ricerca Prof. F. Boero.
- Progetto Ministeriale COFIN, 2002-2004. Variabilità spazio-temporale in popolamenti bentonici di substrato duro. Responsabile della ricerca Prof. F. Boero.
- Ramos Espli A.A., Mcneill S.E., 1994. The status of marine conservation in Spain. *Ocean and Coastal Management* **24**: 125-128.
- Roberts C.M., 1995. Effects of fishing on the ecosystem structure of coral reefs. *Conservation Biology* **9**: 988-995.
- Roberts C.M., Andelman S., Branch G., Bustamante R.H., Castilla J.C., Dugan J., Halpern B.S., Lafferty K.D., Leslie H., Lubchenco J., McArdle D., Possingham H.P., Ruckelshaus M., Warner R.R., 2003a. Ecological criteria

- for evaluating candidate sites for marine reserves. *Ecological Applications* **13**: S199-S214.
- Roberts C.M., Branch G., Bustamante R.H., Castilla J.C., Dugan J., Halpern B.S., Lafferty K.D., Leslie H., Lubchenco J., McArdle D., Ruckelshaus H., Warner R.R., 2003b. Application of ecological criteria in selecting marine reserves and developing reserve networks. *Ecological Applications* **13** (1 Supplement): S215-S228.
- Roberts C.M., McClean D.J., Veron J.E.N., Hawkins J.P., Allen G.R., McAllister D.E., Mittermeier C.G., Schueler F.W., Spalding M., Wells F., Vynne C., Warner T.B., 2002. Marine biodiversity hotspots and conservation priorities for tropical reefs. *Science* **295**: 1280-1284.
- Roff J.C., Evans M.J.S., 2002. Frameworks for marine conservation - non-hierarchical approaches and distinctive habitats. *Aquatic Conservation: Marine and Freshwater Ecosystems* **12**: 635-648.
- Rowley R.J., 1992. Impact of marine reserves on fisheries: a report and review of the literature. Science and Research Series. Volume 51. Departement of Conservation, Wellington, New Zealand.
- Sala E., Aburto-Oropeza O., Paredes G., Parra I., Barrera Juan C., Dayton Paul K. 2002. A General Model for Designing Networks of Marine Reserves. *Science* **298**: 1991-1993
- Sale P.F., Cowen R.K., Danilowicz B.S., Jones G.P., Kritzer J.P., Lindeman K.C., Planes S., Polunin N.V.C., Russ G.R., Sadovy Y.J., Steneck R.S., 2005. Critical science gaps impede use of no-take fishery reserves. *TRENDS in Ecology and Evolution* **20** (2): 74-80.
- Salm R.V., Clark J.R., 1989 Marine and coastal protected areas: a guide for planners and managers. Second edition. World Conservation Union (IUCN), Gland, Switzerland.
- Sarà M., 1974. Il popolamento delle grotte marine e sua protezione. Atti del IV Simposio nazionale sulla Conservazione della Natura. Cacucci, Bari **1**: 51-59.
- Sarà M., 1978. Il popolamento delle grotte marine, interesse di una salvaguardia. *Pubbl. Staz. zool. Napoli*, **40**: 502-505.

- Scott, J.M., Norse E., Dobson A., Estes J. A., Foster M., Gilbert B., Jensen D., Knight R., Mattson D., 1999. Scale as a consideration in identification, selection, and design of biological reserves. Pages 19-38 in M.E. Soulé and J. Terborgh, editors. *Continental conservation: scientific foundation of regional reserve networks*. Island, Covelo, California, USA.
- Shanks A.L., Grantham B.A., Carr M.H., 2003. Propagule dispersal distance and the size and spacing of marine reserves. *Ecological Applications* **13**: S159-S169.
- Soulé M.E., Sanjayan M.A., 1998. Conservation targets: do they help? *Science* **279**: 2060-2061.
- Soulé M.E., Terborgh J., 1999. *Continental conservation*. Island, Washington, D.C., USA.
- Steneck R.S., Carlton J.T., 2001. Human Alterations of Marine Communities – Students Beware! In *Marine Community Ecology*, M.D. Bertness, S.D. Gaines, M.E. Hay editors., Sinauer Associate, Sunderland, MA: 445-467.
- Stewart R.R., Possingham P., 2004. Planning for marine reserve systems that integrate conservation and economic goals. Proceedings of the Fifth International Conference on Science and Management of Protected Area, University Victoria, British Columbia. Published by Science and Management of Protected Areas Association Wolfville, Nova Scotia.
- Strathman R.R., 1990. Why life histories evolve differently in the sea. *American Zoologist* **30**: 197-207.
- Terborgh J., Lopez L., Tello J., Yu D., Bruni A.R., 1997. Transitory states in relaxing land bridge islands. Pages 256-274 in W.F. Laurance and R.O. Bierregaard Jr., editors. *Tropical forest remnants: ecology management, and conservation of fragmented communities*. University of Chicago Press, Chicago, Illinois, USA.
- Terlizzi A., Benedetti-Cecchi L., Bevilacqua S., Fraschetti S., Guidetti P., Anderson M.J., 2005. Multivariate and univariate asymmetrical analyses in environmental impact assessment: a case study of Mediterranean subtidal sessile assemblages. *Marine Ecology Progress Series* **289**: 27-42.

- Turchin P., 1998. Quantitative analysis of movement: measuring and modeling population redistribution in animals and plants. Sinauer, Sunderland, Massachusetts, USA.
- Villa F., Tunesi L., Agardy T., 2002. Optimal zoning of marine protected areas through spatial multiple criteria analysis: the case of the Asinara Island National Marine Reserve of Italy. *Conservation Biology* **16** (2): 1-12.
- Wallace J.H., Kok H.M., Beckley L.E., Bennett B., Blaber S.J.M., Whitfield A.K., 1984. South African estuaries and their importance to fisheries. *South African Journal of Marine Science* **80**: 203-207.
- Ward T.J., Vanderklift M.A., Nicholls A.O., Kenchington R.A., 1999. Selecting marine reserves using habitats and species assemblages as surrogates for biological diversity. *Ecological Applications*, **9**: 691-698.
- Wasser P.M., Jones T., 1983. Natal philopatry among solitary mammals. *Quarterly Review of Biology* **58**: 355-390.
- Williams P.H., 1998. Key sites for conservation: area-selection methods for biodiversity. In G., Balmford A., Ginsberg J.R., editors. *Conservation in a Changing World Mace*. Cambridge University Press, Cambridge.
- Willis T.J., Millar R.B., Babcock R.C., Tolimieri N., 2003. Burdens of evidence and the benefits of marine reserves: putting Descartes before des horse? *Environmental Conservation* **30** (2): 97-103.
- Zurlini G., 1998. I sistemi informativi per l'ambiente. In *Ecologia Applicata*, CittàStudi editore, Torino, Italia: 467-499.