

BIBLIOGRAFIA

- Adam, P., 1990. "Saltmarsh ecology", Cambridge University Press.
- Adams, J.B., Bate, G.C., 1995. "Ecological implication of tolerance of salinity and inundation by *Spartina maritima*", Aquatic Botany, vol. 52, pp 183÷191.
- Alberotanza, L., 1999. "Hyperspectral aerial images. A valuable tool for submerged vegetation recognition in the Orbetello Lagoons, Italy", International Journal of Remote Sensing, vol. 20, pp. 523÷533.
- Anoé, N., Calzavara, D., Salviato, L., 1984. "Flora e vegetazione delle barene", Società Veneziana di Scienze Naturali - Lavori, vol. 9 - Supplemento ad uso didattico, Venezia.
- Ashley, G., Zeff, M., 1988. "Tidal Channel Classification for a Low-Mesotidal Salt Marsh", Marine Geology, vol. 82, pp. 17÷32.
- Bajjouk, T., Guillaumont, B., Populus, J., 1996. "Application of airborne imaging spectrometry system data to intertidal seaweed classification and mapping", Hydrobiologia, vol. 327, pp.463÷471.
- Bertness, M.D., 1991. "Interspecific interactions among high marsh perennials in a New England salt marsh", Ecology, vol. 72, 125÷137.
- Bitelli, G, Zanni, M, 2004. "Use of IKONOS High Resolution Imagery in archaeology: the example of the ancient city of Bakchias in Egypt", [24th EARSeL Symposium New Strategies for European Remote Sensing](#) Dubrovnik, Croatia, 25÷27 May 2004.
- Bonometto, L., 2003. "Analisi e classificazione funzionale delle "barene" e delle tipologie di intervento sulle barene", Comune di Venezia, Venezia 2003.
- Boorman, L. A., 1999. "Salt marshes: present functioning and future change", Mangroves and Salt Marshes, vol. 3, pp. 227–241.
- Brennan, R.L., Prediger, D.J., 1981. "Coefficient Kappa: Some Uses, Misuses, and Alternatives", Educational and Psychological Measurement, vol. 41, pp. 687÷699.
- Brewer, J.S., Levine, J.M., Bertness, M.D., 1998. "Interactive effects of elevation and burial with wrack on plant community structure in some Rhode Island salt marshes", Journal of Ecology, vol. 86, pp. 125÷136.
- Brivio, P.A., Lechi, G.M., Zilioli, E., 1992. "Il telerilevamento da aereo e da satellite", Carlo Delfino Editore, Sassari.
- Brown, D G, Addink, E.A., Duh, J-D, Bowersox, M.A., in stampa. "Assessing Uncertainty in Spatial Landscape Metrics Derived from Remote Sensing Data" disponibile al sito http://www-personal.umich.edu/~danbrown/papers/acc_sym.pdf
- Buchroithner, M., 1998. "Geodata interrelations: inventory and structuring attempt of taxonomic diversity" negli atti della seconda conferenza "Fusion of Earth data: merging point measurements, raster maps and remotely sensed images" pubblicati da SEE/URISCA, Nice, France, pp. 11-15.

- Caniglia, G., Contin, G., Fusco, M., Anocé, N., Zanaboni, A., 1997. "Confronto su base vegetazionale tra due barene della laguna di Venezia", *Fitosociologia*, vol. 34, pp. 111÷119.
- Cavazzoni, S., 1995, "La laguna: origine ed evoluzione", in "La laguna di Venezia", UNESCO, Cierre ed., Verona, pp. 41÷75.
- Cecconi, G., Codato, F., Nascimbeni, P., Mattarolo, F., 1998. "Valore ambientale delle barene artificiali", *Quaderni Trimestrali CVN*, n1.
- Ceriali, A., 2002. "Telerilevamento delle dinamiche di barena", tesi di laurea in Scienze Ambientali, Università Ca' Foscari, Venezia.
- Chapman, V.J., 1942. "The new prospective of the halophytes", *Quart. Rev. Biol.*, vol. 17, pp.291÷311.
- Chapman, V.J., 1964, "Coastal vegetation", pp.83÷129, Pergamon Press, New York: The Macmillan Company.
- Chen, Z., Groeneveld, E., Groeneveld, D. P., 1998. "Monitoring seasonal dynamics of arid land vegetation using AVIRIS data", *Remote Sensing of Environment*, vol. 65, pp. 255÷266.
- Chirici, G., Corona, P., Dellisanti, R., Di Giovine, M., Marchetti, M., Rossigni, P., Travaglino, D., 2001. "Confronto e integrazione di dati telerilevati IKONOS e Landsat 7 ETM+ nella valutazione dei danni da incendio in ambiente mediterraneo: il caso della Pineta di Castel Fusano", *Atti 5a Conferenza Nazionale ASITA: "La qualità nell'informazione geografica"*, Rimini, 9-12 ottobre 2001, vol. I, pp. 529÷537.
- Christiansen, T., Wiberg, P.L., Milligan, T.G., 2000. "Flow and sediment transport on a tidal salt marsh surface", *Estuarine, Coastal and Shelf Science*, vol. 50, pp. 315÷331.
- Cibien, M.T., 2000, "Correzione atmosferica di immagini MIVIS sulla Laguna di Venezia" Tesi di Laurea, Università Ca' Foscari di Venezia.
- Cicchitelli, G., 1984. "Probabilità e statistica", Maggioli Editori- Rimini.
- Clevers, J. G. P. W., 1988. "The derivation of a simplified reflectance model for the estimation of leaf area index", *Remote Sensing of Environment*, vol. 35, pp. 53÷70.
- Consorzio Venezia Nuova, 1993. "Il recupero morfologico della laguna di Venezia" Supplemento ai *Quaderni Trimestrali Consorzio Venezia Nuova*, **1** (1).
- Consorzio Venezia Nuova, 1996. "Interventi morfologici per la vivificazione delle zone interne della laguna – Valle Millecampi. Monitoraggio di barene per la definizione del tasso di accrescimento o erosione", *Relazione finale*, Venezia.
- Coppin, P., Jonckheere, J., Nackaerts, K., Muys, B., 2004. "Digital change detection methods in ecosystem monitoring: a review", *International Journal of Remote Sensing*, vol. 25, pp. 1565÷1596.
- Dale, P.E.R., Hulsmann K., Chandica A.L., 1986. "Classification of reflectance on colour aerial photograph and sub-tropical salt-marsh vegetation types", *International Journal of Remote Sensing*, vol. 7, pp.1783÷1788.
- Day, J.W., Are, A., Rispondo, A., Scarton, F., Lecconi, G., 1996. "Relative sea level rise and Venice lagoon wetlands", *Consorzio Venezia Nuova: Quaderni trimestrali*, Anno IV, n°1: 24÷34.

- de Beurs, K.M., Henebry, G.M., 2004. "Land surface phenology, climatic variation, and institutional change: Analyzing agricultural land cover change in Kazakhstan", *Remote Sensing of Environment* 89, 497÷509.
- de Leeuw, J., Van den Dool, A., de Munck, W., Nieuwenhuize, J., Beeftink, W. G., 1991. "Factors influencing the soil salinity regime along an intertidal gradient", *Estuarine Coastal and Shelf Science*, vol. 32, pp. 87÷97.
- DIGITAL GLOBE, URL: <http://digitalglobe.com/products/quickbird.shtml>
- Dijkema, K.S., 1984. "Salt marshes in Europe", *Nature and Environment Series No. 30*, Council of Europe, Strasbourg
- Eastwood, J.A., Yates, M.G., Thomson, A.G., Fuller, R.M., 1997. "The reliability of vegetation indices for monitoring salt-marsh vegetation cover", *International Journal of Remote Sensing*, vol. 18, pp. 3901÷3907.
- ENVI Tutorials e ENVI User's Guide, ENVI Version 3.5, 2001
- Flindt, M.R., Kamp-Nielsen, L., Marques, J.C., Pardal, M.A., Bocci, M., Bendoricchio, G., Salomonsen, J., Nielsen, S.N., Jorgensen, S.E., 1997. "Description of the three shallow estuaries: Mondego River (Portugal) Roskilde Fjord (Denmark) and the Lagoon of Venice (Italy)", *Ecological Modelling*, vol. 102, pp. 17÷31.
- Foody, G.M., 2002. "Status of land cover classification accuracy assessment", *Remote Sensing of Environment*, vol. 80, pp.185÷201.
- Forman, R.T.T., Godron, M., 1986. "Landscape Ecology", John Wiley and Sons, Inc, New York, NY, USA.
- Fraser, R. S., Kaufman, Y. J., 1985. "The relative importance of aerosol scattering and absorption in Remote Sensing", *IEEE Trans. Geoscience and Remote Sensing*, vol. 23, pp. 625÷633.
- Frey, R.W., Basan, P.B., 1985. "Coastal salt marshes" in "Coastal Sedimentary Environments, 2a ed., ed.R. A. Davis, pp. 225÷301, New York.
- Friedrichs, C.T., Perry, J.E., 2001. "Tidal Salt Marsh Morphodynamics", *Journal of Coastal Research*, vol. 27, pp. 6÷36.
- Fung, T., Siu, W., 2000. "Environmental quality and its changes, an analysis using NDVI". *International Journal of Remote Sensing*, vol..21, pp.1011÷1024.
- Garofalo, D., 1980. "The influence of wetland vegetation on tidal stream channel migration and morphology", *Estuaries*, vol. 3, pp. 258÷270.
- Géhu, G.M., Scoppola, A., Caniglia, G., Marchiori, S., Géhu-Franck, J., 1984. "Les systèmes végétaux de la cote nord-Adriatique italienne, leur originalité à l'échelle européenne", *Documents phytosociologiques, N.S.*, vol..VIII, pp.485÷558, Camerino.
- Gomasasca, M.A., 1997. "Introduzione a telerilevamento e GIS per la gestione delle risorse agricole e ambientali", *ArteStampa, Varese*, 246p.
- Gross, H. N., Schott, J. R., 1998. "Application of spectral mixture analysis and image fusion techniques for image sharpening", *Remote Sensing of the Environment*, vol. 63, pp. 85÷94.
- Gustafson, E. J. 1998. "Quantifying landscape spatial pattern: What is the state of the art?", *Ecosystems* , vol. 1, pp. 143÷156.

- Hay, G. J., Niemann, K. O., Goodenough, D. G., 1997. "Spatial thresholds, image objects and up-scaling: a multiscale evaluation", *International Journal of Remote Sensing*, vol. 62, pp. 1÷19.
- Hoffbeck, J., Landgrebe, D.A., 1994. "Effect of radiance to reflectance transformation and atmosphere removal on Maximum Likelihood classification accuracy of high-dimensional Remote Sensing data", *Proceedings of the International Geoscience and Remote Sensing Symposium (IGARSS'94)*, CD-ROM pp. 3289÷3294, Pasadena, Calif.
- Huete, A.R, 1988,"A Soil-Adjusted Vegetation Index (SAVI)", *Remote sensing of Environment*, vol. 25, pp. 295÷309.
- ISTITUTO VENETO DI SCIENZE, LETTERE ED ARTI, 2004, <http://www.ivsla.it/>
- Jensen, J.R., 1996. "Introduction digital image processing", Prentice Hall.
- Jupp, D.L.B.,1996. "Issues in reflectance Measurement" CISRO, Earth Observation Centre, http://www.cossa.csiro.au/tasks/brdf/ref_cal.pdf
- Kramer, H.J., 1996. "Observation of the Earth and its environment. Survey missions and sensors", Springer-Verlag, Berlin, pp. 696÷712.
- Kruse, F. A., Lefkoff, A. B., Boardman, J. W., Heidebrecht, K. B., Shapiro, A. T, Barloon, P. J., Goetz, A. F. H., 1993. "The spectral image processing system (SIPS) —interactive visualization and analysis of imaging spectrometer data", *Remote Sensing of Environment*, vol. 44, pp. 145÷163.
- Lambin, E.F.,Ehrlich, D, 1997. "Land-cover changes in sub-Saharan Africa (1982-1991): Application of a change index based on remotely sensed surface temperature and vegetation indices at continental scale", *Remote Sensing of Environment*, vol. 61, pp.181÷200.
- Lechi, G., 1998. "Dispense del corso di telerilevamento", Facoltà di Ingegneria, Politecnico di Milano.
- Leonard, L. A., Reed D. J, 2002. "Hydrodynamics and Sediment Transport Through Tidal Marsh Canopies", *Journal of Coastal Research*, ICS 2002 Proceedings, pp.459÷469.
- Levine, J. M., Brewer, J. S., Bertness, M. D., 1998. "Nutrients, competition and plant zonation in a New England salt marsh", *Journal of Ecology*, vol. 86, pp. 285÷292.
- Lillesand, T.M., Kiefer, R.W., 1994. "Remote Sensing and Image Interpretation", John Wiley & Sons, Inc, New York, NY, USA.
- Lunetta, R. S., 1999. "Applications, project formulation and analytical approach". In "Remote sensing change detection: Environmental monitoring methods and applications", curato da Lunetta, R.S., e Elvidge, C. D., Taylor & Francis, London, UK.
- Mather, P. M., 1987. "Computer processing of Remotely-sensed images. An introduction", John Wiley and Sons, Baffins Lane, England.
- Mather, P. M., 1999. "Computer processing of Remotely-sensed images. An introduction", John Wiley and Sons, Baffins Lane, England.

- McGarigal, K., Marks, B.J., 1994. “FRAGSTATS: Spatial Pattern Analysis Program for Quantifying Landscape Structure”, Corvallis, OR: Oregon State University, Forest Science Department.
- McGarigal, K., Marks, B.J., 1995. “FRAGSTATS: Spatial Pattern Analysis Program for Quantifying Landscape Structure”, Corvallis, OR: Oregon State University, Forest Science Department.
- Mitsch, W. J., Gosselink, J. G., 1993. “Wetlands”, pp. 189÷265, 2nd ed., Van Nostrand Reinhold, New York.
- Modenese, L., 2003. “Caratteri spettrali, densità e resistenza idrodinamica indotta da vegetazione di barena”, tesi di laurea in Ingegneria Ambientale, Università di Padova.
- Mumby, P.J., Green, E.P., Edwards, A.J., Clark, C.D., 1999. “The cost-effectiveness of remote sensing for tropical coastal resources assessment and management”, *Journal of Environmental Management*, vol. 55, pp. 157–166.
- NASA, 2002, URL: <http://www.aeronet.gsfc.nasa.gov:8080/>
- NOAA / AVHRR RSGB Normalized Difference Vegetation Index (NDVI) Data Set http://saturn.unibe.ch/rsbern/noaa/dw/realtime/RSGB_AVHRR_NDVI.pdf
- NRA. 1992, “East Anglian Salt Marshes”, National Rivers Authority:Peterborough. <http://www.english-nature.org.uk>
- Otte, M.L., 2001, “What is stress to a wetland plant?” *Environmental and Experimental Botany*, vol. 46, pp.195÷202.
- Ozesmi, S. L.; Bauer, M. E., 2002. “Satellite remote sensing of wetlands”, *Wetlands Ecology and Management*, vol. 10, pp. 381÷402.
- Paruelo, J.M., Lauenroth, W.K., 1998. “Interannual variability of NDVI and its relationship to climate for North American shrublands and grasslands”, *Journal of Biogeography*, vol. 25, pp.721÷733.
- Pethnick J., 1984. “An introduction to Coastal Geomorphology”, Arnold Pb., London.
- Pignatti, S., 1966. “La vegetazione alofila della laguna veneta”, *Istituto Veneto di Scienze, Lettere ed Arti, Memorie*, vol. XXXIII - Fascicolo I, Venezia.
- Pignatti, S., 1982. “Flora d’Italia”, vol..1,2,3, Edagricole, Bologna.
- Pontius, Jr.R.G., 2000. “Quantification error versus location error in comparison of categorical maps”, *Photogrammetric Engineering and Remote Sensing*, vol. 66, pp.1011÷1016.
- Quattrocchi, D.A., Goodchild, M.F. 1997. “Scale in Remote sensing and GIS”, CRC Press, Boca Raton, Florida.
- Rallo, G., 1996, “Guida alla natura della Laguna di Venezia” Franco Muzzio Editore, via Makallé 97, Padova, ITALIA.
- Ranwell, D. S., Bird, E. C. F., Hubbard, J. C. E., Stebbings, R .E., 1964. “Spartina salt marshes in southern England. V. Tidal submergence and chlorinity in Poole Harbour”. *Journal of Ecology*, vol. 52, pp. 627÷641.
- Richards, J.A., 1996. “Classifier performance and map accuracy”, *Remote sensing of environment*, **57**: 161÷166.

- Riitters, K. H., O'Neil, R. V., Hunsaker, C. T., Wickham, J. D., Yankee, D. H., Timmins S. P., Jones, K. B., Jackson, B. L., 1995. "A factor analysis of landscape pattern and structure metrics", *Landscape Ecology*, vol. 10, pp 23÷39.
- Rinaldo, A., Marani, A., Silvestri, S., Marani, M., 2000, "Vegetazione alofila e morfologia lagunare", *Atti dell'Istituto Veneto di Scienze, Lettere ed Arti, Venezia*, tomo CLVIII.
- Rouse, J.W., Haas, R.H., Schell, J.A., Deering, D.W., 1974. "Monitoring Vegetation Systems in the Great Plains with ERTS", *Proceedings, Third Earth Resources Technology Satellite-1 Symposium, Greenbelt*.
- Rusconi, A., 1987. "Variazione delle superfici componenti il bacino lagunare", pubblicazione n°160, Ufficio Idrografico del Magistrato alle Acque, Venezia.
- Saccardo, A., 2000. "Il telerilevamento delle reti a marea: analisi della morfologia", tesi di laurea in Ingegneria Ambientale, Università di Padova.
- Salviato, S., 2000. "Vegetazione alofila e morfologia delle barene", tesi di laurea in Scienze Ambientali, Università Ca' Foscari, Venezia
- Sanchez, J.M., Izco, J., Medrano, M., 1996. "Relationships between vegetation zonation and altitude in a salt-marsh system in northwest Spain", *Journal of Vegetation Science*, vol. 7, pp.695÷702.
- Scarton, F., Perco, F., Borella, S., 1996, "The importance of protecting lagoon habitats for bird life", *Quaderni trimestrali CVN*, n 4 maggio 1996.
- Shi, W.Z., Ehlers, M., 1996, "Determining uncertainties and their propagation in dynamic change detection based on classified remotely-sensed images", *International Journal of Remote Sensing*, vol. 17, pp. 2729÷2741.
- Shrestha, D. P., Margate, D. E, Anh, H. V., Van Der Meer, F. D., 2002. "Spectral unmixing versus spectral angle mapper for land degradation assessment: a case study in southern Spain", in: *17th World congress of soil science, Bangkok, 2002*
- Sinclair, T R, Hoffer, R M, Schreiber, M.M., 1971 "Reflectance and internal structure of leaves from several crops during a growing season", *Agronomy Journal*, vol. 63, pp. 864÷868
- Singh, A., 1989. "Digital change detection techniques using remotely-sensed data", *Int. J. Remote Sensing*, vol. 10, pp. 989÷1003.
- Smith, G. M., Spencer, T., Murray, A. L., French, J. R., 1998. "Assessing seasonal vegetation change in coastal wetlands with airborne remote sensing: an outline methodology" *Mangroves and Salt Marshes*, vol. 2, pp.15–28.
- Song, C., Woodcock, C.E., Seto, K. C., Lenney, M.P., Macomber, S. A., 2001. "Classification and Change Detection Using Landsat TM Data. When and How to Correct Atmospheric Effects?", *Remote Sensing of Environment*, vol. 75, pp. 230÷244.
- Taxt, T., Solberg, A.H. S., 1997. "Information fusion in remote sensing", *Vistas in Astronomy*, vol. 41, pp.337÷342.
- Thompson, J.D., 1991. "The biology of an invasive plant: what makes *Spartina* so successful?" *Bioscience*, vol. 41, pp. 393÷401.

Thomson, A.G., R.M. Fuller, Sparks, T., Yates, Eastwood, M.J.A., 1998. "Ground and airborne radiometry over intertidal surfaces: waveband selection for cover classification", *International Journal of Remote Sensing*, vol. 19, pp. 1189÷1205.

TIDE project web site (2004): www.tideproject.org.

Tortato, M., 2001, "Il telerilevamento nel monitoraggio di ambienti a marea: applicazioni alla laguna di Venezia", tesi di laurea in Ingegneria Ambientale, Università di Padova.

Tseng, Y., Chen, H., 1998. "Automatic Detecting Rice fields by Using Multitemporal Satellite Images, Land-parcel Data and Domain Knowledge", *Proceedings Asian Conference on Remote Sensing*.

Underwood, G.J.C., 1997. "Microalgal colonisation in a saltmarsh restoration scheme", *Estuarine Coastal and Shelf Science*, vol. 44, pp. 471÷481.

Ungar, I.A., 1998. "Are Biotic Factors Significant in Influencing the Distribution of Halophytes in Saline Habitats?", *The Botanical Review*, vol. 64, pp.176÷199.

Università di Lecce, 2003, "Indici di vegetazione":

<http://www.ambiente.unile.it/areepubbliche/didattica/archiviogis/indici%20vegetazione.htm>

University of British Columbia, 2004. "Understanding landscape metrics: The link between pattern and process" :

<http://www.geog.ubc.ca/courses/geog471/notes/lecture3p.html>

Ursino, N., Silvestri, S., Marani, M. 2004. "Subsurface flow and vegetation patterns in tidal environments" *Water resources research*, vol. 40.

Van Duin, W.E., Dankers, N.M.J.A., Dijkema, K.S., Van Eeden S., Sleutel, A., Wolff, W.J., Zegers, K. 1996. "Results from the Dutch team". In: Lefeuvre, J.C. (ed.), *The Effects of Environmental Change on European Salt marshes: Structure, Functioning and Exchange Potentialities with Marine Coastal Waters*, vol. 6. University of Rennes.

van Wijnen, H. J. ,Bakker, J. P., 1999. "Nitrogen and phosphorus limitation in a coastal barrier salt marsh: the implications for vegetation succession". *Journal of Ecology*, vol. 87, pp. 265÷272.

Vermote, E.F., Tanrè, D., Deuzè, J.L., Herman, M., Morerette, J.J., 1997. "Second Simulation of the Satellite Signal in the Solar Spectrum, 6S: an overview", *IEEE Trans.on Geoscience and remote sensing*, vol. 35, 675÷686.

Waisel, Y., 1972. "Biology of halophytes", Academic Press, New York.

Wald, L., 1998. "A European proposal for terms of reference in data fusion", *International Archives of Photogrammetry and Remote Sensing*, vol. 32, pp. 651÷654.

Wald, L., 1999. "Some terms of reference in data fusion", *IEEE Transactions on Geosciences and Remote Sensing*, vol. 37, pp. 1190÷1193.

Wiltshire, K.H., 2000. "Algae and associated pigments of intertidal sediments, new observations and methods". *Limnologica*, vol. 30, pp.205÷214.

Yamagata, Y, 1999. "Advanced Remote Sensing Techniques for monitoring complex ecosystems: spectral indices, unmixing and classification of wetlands", National Institute for Environmental Studies, Japan.

Yuan, D., Elvidge, C.D., Lunetta, R.S., 1999. "Survey of multi-spectral methods for land-cover change analysis". In "Remote sensing change detection: Environmental monitoring methods and applications", curato da Lunetta, R.S., e Elvidge, C. D., Taylor & Francis, London, UK.

Zhan, X., Sohlberg, R.A., Townshend, R.G., DiMiceli, C., Carroll, M.L., Eastman, J.C., Hansen, M.C., DeFries, R.S., 2002. "Detection of land cover changes using MODIS 250 m data". *Remote Sensing of Environment*, vol. 83, pp. 336–350.