



REFERENCES

- ANNANDALE, J. G., BENADÉ, N., JOVANOVIĆ, N. Z., STEYN, J. M. & SAUTOY N., 2000. Facilitating Irrigation Scheduling By Means Of The Soil Water Balance Model. Water Research Commission Report No. K5/753, Pretoria, South Africa. In press.
- ANNANDALE, J. G., JOVANOVIĆ, N. Z., PRETORIUS, J. J. B., LORENTZ, S. A., RETHMAN, N. F. G. & TANNER, P. D., 2000. Gypsiferous Mine Water Use In Irrigation On Rehabilitated Open Cast Mine Land. Crop Production, Soil Water And Salt Balance. Ecological Engineering.
- ARABIA, G., 1993. Use Of GIS In Spatial Statistical Surveys. *Int. Statist. Rev.*, 61, 2, pp. 339-359.
- ArcView Spatial Analyst Manual. 1996. Redlands: ESRI.
- ARONOFF, S., 1998. *Geographic Information Systems: A Management Perspective*. Ottawa: WDL Publications.
- BARNARD, R. O., RETHMAN, N. F. G., ANNANDALE, J. G., MENTZ, W. & JOVANOVIĆ, N. Z., 1998. The Screening Of Crop, Pasture And Wetland Species For Tolerance Of Polluted Water Originating In Coal Mines. Water Research Commission Report No. 582/1/98, Pretoria, South Africa.
- DEERING, D. W., ROUSE, J. W., HAAS, R. H., & SCHELL, J. A., 1975, Measuring "For Age Production" Of Grazing Units From Landsat MSS Data; Proceedings of the 10th International Symposium on Remote Sensing of Environment, II, pp. 1169-1178.
- Erdas Field Guide. Fourth Edition, 1997 ERDAS Inc, Atlanta, Georgia, U.S.A.
- EVANS, R., 1990. Discrimination And Monitoring Of Soils; Applications Of Remote Sensing In Agriculture. Edited by STEVEN, M. D., CLARK, J. A. Butterworth, University Press, Cambridge, UK.



- FUNG, T. LE DREW, E. (1987). Application Of Principal Components Analysis To Change Detection. *PE&RS*, 12: 1649-1658.
- GIOVACCHINI, A., 1984. Crop Identification By Means Of Spectral Profiles. Proceedings of IGARSS '84 Symposium, Strasbourg 27 –30 August 1984.
- GODDARD, T. W., LACHAPPELLE, G., CANNON, M. E., PENNEY, D.C. & MCKENZIE, R. C., 1995. The Potential Of GPS And GIS In Precision Agriculture. Proc. Dominique V: "La Route De L'Innovation". November 9-10, Montreal, P. Q., Canada
- GODDARD, T., KRYZANOWSKI, L., CANNON, L., IZAURRALDE, C., MARTIN, T., 1996. Potential For Integrated GIS-Agriculture Models For Precision Farming Systems. NCGIA SANTA FE CONFERENCE, Third International Conference/Workshop on Integrating GIS and Environmental Modelling CD-ROM, January 21-25, 1996, Santa Fe, New Mexico, USA
- GRIMSHAW, D., 1994. Bringing GIS Into Business. Longmans
- GUYOT, G., 1990. Optical Properties Of Vegetation Canopies. Applications Of Remote Sensing In Agriculture. Edited by STEVEN, M. D., CLARK, J. A. Butterworth, University Press, Cambridge, UK.
- HANEKLAUS, S., BLOEM, E. & SCHNUG, E., 1999, Precision Agriculture - New Production Technologies For An Old Crop, Proceedings of the 10th International Rapeseed Congress. Canberra Australia.
- JACKSON, R. D. & HEUTE, A. R., 1991. Interpreting Vegetation Indices. *Preventive Veterinary Medicine*. 11:185-200.
- JOVANOVIC, N. Z., ANNANDALE, J. G., TANNER, P. D. & BENADÉ, N., 1999. Modelling The Long-Term Effect Of Irrigation With Gypsiferous Water On Soil And Water Resources. *Agriculture, Ecosystems and Environment* 76 109-119.
- JOVANOVIC, N. Z., BARNARD, R. O., RETHMAN, N. F. G. & ANNANDALE, J. G., 1998. Crops Can Be Irrigated With Lime-Treated Acid

- Mine Drainage. *Water SA* 24(2) 113-122. MAAS EV (1986) Salt tolerance in plants. *Appl. Agric. Res.* 1 12-26.
- LACHAPELLE, G., CANNON, M. E., GEHUE, H., GODDARD, T. & PENNEY D., 1994. GPS System Integration And Field Approaches In Precision Farming. *Navigation* 41(3): 323-335.
- MATTER, P. M., 1990. Theoretical Problems In Image Classification. Applications Of Remote Sensing And Geographical Information Systems In Water Management. Applications Of Remote Sensing In Agriculture. Edited by STEVEN, M. D., CLARK, J. A. Butterworth, University Press, Cambridge, UK.
- MORGAN, M., Ess, D., The Precision Farming Guide For Agriculturists. ISBN: 0-86691-245-2.
- MOODY, A. Remote Sensing Of The Environment, Remote Sensing Resolutions. Department Of Geography, University Of North Carolina <http://www.unc.edu/~aaronm/RSCC/>
- NIEUWENHUIS, G. J. A., MILTENBURG J. W. & THUNNISSEN, H. A. M., 1990. Applications Of Remote Sensing And Geographical Information Systems In Water Management. Applications Of Remote Sensing In Agriculture. Edited by STEVEN M. D., CLARK, J. A. Butterworth, University Press, Cambridge, UK.
- PENNOCK, D. J., ZEBARTH, B. J. & De JONG E., 1987. Landform Classification And Soil Distribution In Hummocky Terrain. Saskatoon, Canada. *Geoderma* 40: 297-315.
- PINTER Jr., P. J., ZIPOLI, G., MARACCHI, G., & REGINATO, R. J. 1987. Influence Of Topography And Sensor View Angles On NIR/Red Ratio And Greenness Vegetation Indices Of Wheat. *Int. J. Remote Sensing* 8(6): 953-957.
- PRICE, J. C., 1994. How Unique Are Spectral Signatures. *Remote Sensing of Environment*; 49:181-186.

- ROUSE, J. W., HAAS, R. H., SCHELL, J. A., DEERING, D. W., & HARLAN, J. C., 1974. Monitoring The Vernal Advancements And Retro-radiation (Greenwave Effect) Of Nature Vegetation NASA/GSFC Final Report, NASA, Greenbelt, MD, 371 pp.
- SABINS, F. Jr, 1978. Remote Sensing Principles And Interpretation, W. H. Freeman and Company, San Francisco.
- STARR, J. & ESTES, J. 1990. Geographic Information Systems: An Introduction. New Jersey: Prentice-Hall.
- STEVEN, M. D., MALTHUS, T. J., DEMETRIADES-SHAH, T. H., DANSON, F. M. & CLARK, J. A., 1990. High Spectral Resolution Indices For Crop Stress. Applications Of Remote Sensing In Agriculture. Edited by STEVEN, M. D., CLARK, J. A. Butterworth, University Press, Cambridge, UK.
- WARDLEY, N. W, MILTON, E. J., Hill C. T., 1987. Remote Sensing Of Structurally Complex Semi-Natural Vegetation. An Example From Heathland. Dep. Of Geog., Univ. Of Southampton, Southampton SO9 5NH, UK. International-Journal-of-Remote Sensing. 8: 1, 31-42; 7 fig.; 25 ref.
- WATSON, D. F. & PHILIP, G. M., 1985. A Refinement Of Inverse Distance Weighted Interpolation. Geo-Processing, 2: pp 315-327.
- WIEGAND, L., RHODES, J. D., ESCOBAR, D. E. & EVIRITT, J. H., 1994. Photographic And Videographic Observations For Determining And Mapping The Response Of Cotton To Soil Salinity. Remote Sensing of Environment; 49:212-223.
- WIENGAND, L., RICHARDSON, A. J., ESCOBAR, D. E. & GERBERMANN, A. H., 1991. Vegetation Indices In Crop Assessment. Remote Sensing of Environment; 35:105-119.