

## B I B L I O G R A P H Y

## B O O K S

Arakeri, H.R. (1982) : Indian Agriculture, Oxford and IBM Publishing, Co., New Delhi.

Encyclopaedia Britannica, Vol. 7.

Elhance, D.L. (1978) : Fundamentals of Statistics, Kitab Mahal, Allahabad.

Gausson (1954) : Proceedings of Eight Congress in Botany, Paris.

Ghosh, D., Agricultural Trends in Bankura District (1950-74) A Review.

Hansen, Hurwitz, Madow : Sample Survey Methods and Theory - Vol. II.

Herbert Hyman : Survey Design and Analysis.

Husain Majid (1979) : Agricultural Geography, Inter India, Publication, Delhi.

ICAR (1972) : Proceedings of the Symposium on Cropping Patterns in India.

Intriligator Michael, D. (1979) : Econometric Models, Techniques and Applications.

James and Galleghar (1965) : Determination of Drought, Eastern Michigan University Michigan.

Keith Griffin (1974) : The Political Economy of Agrarian change, An Essay on the Green Revolution, Macmillan, London.

Linsley Jr, R.K., Kohler, M.A. and Pauthus, J.L.H. (1959) : Applied Hydrology, Mc Graw Hill, New York.

Makridakis, Wheelwright and Mcgea (1978) : Forecasts Method and Applications, John Wiley Publications.

Misra, A.K. and et. al. (1972) : Farm Management Hand Book, Orissa University of Agriculture and Technology, Bhubaneswar.

Mishra, S.K. (1984) : Evolution of Public Policies For Agricultural Development in Less Developed Regions, Indian Institute of Technology, Kharagpur, India.

Mohammad, N. (Edtd.) (1980) : Perspectives in Agricultural Geography (Frame Work of Agriculture), Vol. II, Concept Publishing Company, New Delhi.

Mohammad, N. (Edtd.) (1980) : Perspectives in Agricultural Geography (Regional Dimensions in Agriculture), Vol. IV, Concept Publishing Company, New Delhi.

Mohammad, N. (1981) : Perspectives in Agricultural Geography (Land Uae and Planning) Vol. III, Concept Publishing Company, New Delhi.

Mooney, H.F. (1951) : A Note on Shifting Cultivation in Orissa.

Odell Rice (1980) : Environmental Awakening - The New Revolution To Protect the earth, Ballinger Publishing Company, Cambridge, Mass.

Rao, K.L. (1979) : Indian's Water Wealth, Its Assessment, Uses and Projections, Orient Longman Limited, New Delhi.

Reddy, N.B.K. (1979) : Proceedings of the All India Symposium on Drought Prone Areas of India, Rayalaseema Geographical Society, Tirupati.

Singh Tapeswar (1978) : Drought Prone Areas in India, People's Publishing House, New Delhi.

Sinha, B.N. (1981) : Geography of Orissa, National Book Trust of India, New Delhi.

Tennehill, I.R. (1974) : Drought Causes and Effects, Princeton University Press, U.S.A.

Watt Kenneth, E.F. (1973) : Principles of Environmental Science, Mc Graw, Hill Book Company.

#### JOURNALS

Amrita, R. (1974) : The Uses of Drought, Economics and Political Weekly, Bombay, Vol. IX, No.50, p.2069.

Arunschalam, B. (1979) : The Problem of Droughts, What can the Geographer do ? Proceedings of the All India Symposium on Drought Prone Areas of India, Edited by N.B.K. Reddy, Rayalaseema Geographical Society, Tirupati, P.62.

Bagchi, K. (1979) : Agriculture in the Drought prone Areas, Geographical Review of India, Vol. 41, No.4, pp. 293-296.

Basu, S.R. (1979) : Development of Water Resource of North Eastern Region of India - some Ideas, Geographical Review of India, Vol.41, No.1, pp. 72-76.

Beg, J.E. et. al. (1964) : Diurnal Energy and Water Exchanges in Bulrush Millets in an Area of High Solar Radiation, Agricultural Meteorology, No.1.

Bora, L.N. (1984) : Climatic Study of Droughts in North East India, National Geographer, Vol.XIX, No.1, pp.11-18.

Chakravarti, A.K. (1960) : Microclimatology and its Application to Develop the agriculture of the Arid Region of Rajasthan, National Geographer, Vol.III, pp. 17-36.

Chowdry, K.R. (1979) : Concepts, Approaches and Methodology for delimitation of Sub-Areas in Drought Prone Areas, Proceedings of the All India Symposium on Drought Prone Areas of India, Edited by N.B.K. Reddy, Rayalaseema Geographical Society, Tirupati, pp. 47-50.

Dash, B. (1978): Surface Water Potential of Orissa, Sovenir, National Seminar on Ground Water and Lift Irrigation, January 21-23, pp.89-94.

Das Gupta, A.B. (1977) : Water Analiability Supply and Problems, Geographical Review of India, Vol. 39, No.4, pp. 302-311.

Deshpande C.D. (1979) : Drought Prone Areas and the Human Response, Proceedings of the All India Symposium on Drought Prone areas of India, Edited by N.B.K. Reddy, Rayalaseema Geographical Society, Tirupati, pp.43-45.

Dikshit, J. (1983) : Identification of Drought Prone Areas and Prediction of crop Expectations in Maharashtra, Geographical Review of India, Vol.45, No.4, pp. 48-83.

Dikshit, K.R. (1979) : Anomalies in the Distribution on the West Coast of India, The Indian Geographical Journal, Vol.54, No:1, pp.1-13.

Ganesh, A. (1984) : Upper Vaigai Basin : A Study on Surface and Ground Water resources, The Indian Geographical Journal, Vol. 59, No.2, pp.232-245.

Gupta, B.L. and Singh, N.N. (1981) : Some Findings of Rainfall Characteristics in Rajasthan, Geographical Review of India, Vol.43, No.4, pp. 326-341.

Hema Malini,B. (1981) : Patterns of Aridity, Spread and Severity of Drought in Andhra Pradesh, The Indian Geographical Journal, Vol.56, No.1, pp.30-36.

Hofman, Walter and Hanty S.E. (1968) : What is Drought ? Journal of Soil and Water Conservation of America, Vol. 23, No.3.

Jayachandran, S. (1977) : Dry Farming : A Break Through in Indian Agriculture, The Indian Geographical Journal, Vol. 52, No.1, pp. 10-14.

Karenavar, M.F. and Hiremath, S.S. (1982) .: Water Resources of Karnataka, Transactions, Institute of Indian Geographers, Vol. 4, No.2, pp. 175-184.

Krishnan, A. (1969): Agroclimatology of Arid and Semi-Arid Zones of India - Bellary, Bijapur and Rayalaseema Tracts, Geographical Review, Vol.30, No.1.

Krishnan, A. (1969) : Some Aspects of Water Managements for Crop Production in Arid and Semi-Arid Zones of India, Annals of Arid Zone (AAZ), Vol.8, No.1, pp.1-17.

Lenka, D. (1972) : Agroclimatic Zones and Potential Evapotranspiration in Orissa, Prakruti, Utkal University Journal Science, Vol.9, No.122, pp. 53-63.

Lenka, D. (1976) : Variation of Annual Rainfall, Aridity Index and Precipitation, Effective Index in Orissa, Prakruti, Utkal University Journal-Science, Vol.13, No.122, pp. 83-97.

Mathur, R.N. and Yadav, K.S. (1980) : Assessment and Management of Water Resources: A Case Study of Shabaganj Block, Chakia Tahsil, Varanasi District, Uttar Pradesh India, Transactions Institute of Indian geographers, Vol.2, No.2, pp.69-76.

Misra, D.K. (19956) : Studies on Drought Resistance in Certain Crop Plants, Indian Journal of Agronomy, Vol. 1, No.1.

Mishra, S. (1983) : Agricultural Drought over Gangetic West Bengal in Relation to Aman Rice, Geographical Review of India, Vol. 45, No.2, pp. 78-82.

Mooley, D.A. and Despande, V.R. (1980) : Rainfall Probabilities in Karanataka During Summer Monsoon, Geographical Review of India, Vol. 42, No.2, pp.120-130.

Mooley, D.A., Parthasarathy, B. and Munton, A.A. (1981) : Large Scale Drought over India and their impact on Economy during the Period (1871-1978); Annals, National Association of Geographers, India, Vol. 1, No.2, pp.17-26.

Murton, B.J. (1980) : The Temporal Dimensions of Famine Vulnerability in Ganjam District in the Mid-Ninteenth Century, The Indian Geographical Journal, Vol.35 No.1, pp.1-11.

Nagabhusanaiah, H.S. and Patnaik, P.C. (1978) : In Exhaustable Resource Water Wealth of Orissa, Souvenir, National Seminar on Ground Water and Lift Irrigation, Regional College of Engineering, Rourkela, January 21-23, pp.35-46.

Naganna, C. and Basai, D. (1982) : Drought Mitigating Stocategy : A Case Study in Kolar Region, Karnataka, Transactions Institute of Indian Geographers, Vol. 4, No.2, pp.125-132.

Pal, M.N. (1971) : Quantitative Techniques for Regional Planning, Indian Journal of Regional Science, Vol.III, No.1.

Palmer Wayne, C. (1965) : Meteorological Droughts, US Weather Bureau Research Paper, No.45.

Pandeya, B. and Prasad, N. (1983) : Hydrological Regions of Bihar, Transactions Institute of Indian Geographers, Vol.5, No.1, pp.1-10.

Patnaik, M. and Pathak, C.R. (1981) : Planning of Agricultural Development A Case Study of Kesinga Block, Kalahandi District, Orissa, Geographical Review of India, Vol. 43, No.1, pp. 79-83.

Patnaik, M. and Routray, J.K. (1983) : Intensity of Drought and Spatial Variation of Agricultural Development. A Study of Kalahandi District in Orissa, Transactions, Institute of Indian Geographers, Vol.5, No.2, pp.167.

Pathak, C.R. and Patnaik, M. (1984) : Towards a Cropping Pattern for a Drought Prone Areas in India, Prof. K.Bagachi Felicitation Volume, The Geographical Society of India.

Patnaik, N. (1977) : Shifting Cultivation in Orissa, Adibasi, Vol. XVI, No.4, pp.1-21.

Pradhan, S.N. and Mohanty, N.K. (1928) : Geohydrological Features and Ground Water Potential of Orissa, Sovenir, National Seminar on Ground Water and Lift Irrigation, Regional College of Engineering, Rourkela, pp. 27-30.

Ramdas, L.A. (1950) : Rainfall and Agriculture, Indian Journal for Meteorological Geophysics (IJMG) Vol.1, No.4, pp. 262-274.

Ram Mohan, H.S. and Subrahmanyam, V.P. (1980) : Drought Climatology of the Semiarid Zone of Tamil Nadu, The Indian Geographical Journal, Vol. 55, No.1, pp. 12-21.

Reddy, N.B.K. and Reddy, D.N. (1981) : Agriculture in Arid and Semi-arid Regions of India, Transactions Institute of Indian Geographers, Vol.3, No.2, pp.115-136.

Reddy, K. Ravindra and Reddy, N.B.K. (1984) : Ground Water Resources in the Swarnamerkhi Basin, The Indian Geographical Journal, Vol.59, No.2, pp.253-261.

Ram Mohan, H.S. and Subrahmanyam, V.P. (1980) : Drought Climatology of the Semi-arid Zone of Tamilnadu, The Indian Geographical Journal Vol. 55, No.1, pp. 12-21.

Reddy, N.B.K. and Reddy, D.N. (1981) : Agriculture in Arid and Semiarid Region of India, Transactions, Indian Institute of Geographers, Vol. 3, No.2, pp. 115-136.

Reddy, N.B.K. and Singh, V.R. (1979) : Delimitation of Drought Prone Areas in India. A Geographical Approach, Proceedings of the All India Symposium on Drought Prone Areas of India. Edited by N.B.K. Reddy, Rayalaseema Geographical Society, Tirupati, p.41.

Sambasiva Rao, A and Vamadevan, V.K. (1982) : A Climatic Study of Water Availability in Kerala, Annals of the Nagi, Vol.II, No.1, pp.1-7.

Sambasina Rao, M. and Nageswari, K. (1983) : Evaluation of Land and Water Resource of Cumbum Valley in Madurai District, Tamil Nadu, Transactions Institute of Indian Geographers, Vol.5, No.1, pp.77-89.

Satpathy, S.N. and Pradhan, S.N. (1978) : Programme and Progress of Ground Water Development in Orissa, Sovenir, National Seminar on Ground Water and Lift Irrigation, Regional College of Engineering, Rourkela, January 21-23, pp.47-55.

Sen, S.R. (1967) : Growth and Instability in Indian Agriculture, Journal of the Indian Society of Agricultural Statistics, Vol. XIX, No.1.

Slatyer, R.O. (1960) : agricultural Climatology of the Kathirine Area N.I., CSIRO Technical Paper No.13.

Subramaniam, A.R. (1983) : Weather and Climate of Orissa, Mausam, Vol.34, No.1, pp. 65-70.

Subramaniam, A.R. (1983) : Water Availability in Crop Management in Orissa, Indian Journal of Soil Conservation, Vol.2, No.1, pp. 54-59.

Subrahmaniam, A.R. and Rao, V. (1983) : A Climatic Study of Drought Types in Rayalaseema, Geographical Review of India, Vol. 45, No.2, pp.45-54.

Subramaniam, A.R. and Sambasira Rao, A (1984) : Agroclimatic Classifications of Maharashtra, Transactions Institute of Indian Geographers, Vol.6, No.1, pp. 19-26.

Subramaniam, A.R. and Uma Devi, K. (1981) : Rainfall Variability and Crop Yields in Orissa State, The Deccan Geographer, Vol. XIX, No.1, pp. 19-27.

Subramanyam, M.J. and Reddy, K. Surender (1969) : Telangana - Rainfall Variability An Aspect of Drought, Proceedings of the All India Symposium on Drought Prone Areas of India, Edited by N.B.K. Reddy, Rayalaseema Geographical Society, Tirupati, pp. 127.

Subramanyam, V.P. (1981) : Drought Climatology, Annals, National Association of Geographers, India, Vol. 1, No.2, pp. 11-16.

Subrahmanyam, V.P. (1983) : Some Aspects of Mydroclimatology and Water Balance of the Chandrampalem Basin, Transaction Institute of Indian Geographers, Vol.5, No.1, pp. 11-18.

Subrahmanyam, V.P. and Hema Malini, B. (1979) : Delimitation of Drought Prone Areas, Techniques and Methodology, in Proceedings of the All India Symposium on Drought Prone Areas of India, Edited by N.B.K. Reddy, Rayalaseema Geographical Society, Tirupati, pp. 31-36.

Subrahmanyam, V.P. and Subramaniam, A.r. (1974) : Application of Water Balance Concepts for Climatic Study Droughts in South India, Indian Journal for Meteorological Geophysics (IJMG), Vol.15, No.3, pp.394-402.

Subrahmanyam, V.P. and Sarma, A.A.L.N. (1981) : Evolution of the Indian Climates and Water Use Planning, Transactions Institute of Indian Geographers, Vol.3, No.2, pp. 103-114.

Walker, G.T. (1912) : Memories of the Indian Meteorological Department, Vol.XXI.

Tiwari, A.K. (1979) : Perception of Drought Hazard Among the People of Drought Prone Areas in ARid Lands of India: A Case Study, Proceeding of the All India Symposium on Drought Prone Areas of India, Edited by N.B.K. Reddy, Rayalaseema Geographical Society, Tirupati, pp. 51-58.

Thomas, H.E. (1962) : Meteorological Phenomenon in Drought in the South West, Proceeding Paper 372-A, US Geological Survey, Washington DC.

Thornthwaite C.W. (1947) : Climate and Moisture Conservation, Annals of the Association of American Geographers, Vol.37, No.2.

Thornthwaite, C.W. (1943) : Problems in the Classification of Climate, Geographical Review, Vol.33, pp. 233-255.

Thornthwaite, C.W. (1948) : An Approach Towards a Rational Classification of Climate, Geographical Review, Vol. 38, No.1, pp. 55-94.

Thornthwaite, C.W. and Mather, J.R. (1955) : The Water Balance, Publications in Climatology, Drexel Institute of Technology, U.S.A. Vol.8, No.1, pp.104.

#### GOVERNMENT REPORTS AND THESIS

Agriculture Department, Government of Orissa (1961): Shifting Cultivation in Orissa.

Agriculture and Cooperation Department, Government of Orissa (1976) : Physiography and Soils of Orissa, Agriculture Intensification Project, India, Orissa State,

Board of Revenue, Orissa (1981) : Drought Management in Orissa 1979-80 and 1980-81 (Meniographed).

Directorate of Agriculture, Soil Conservation Department, Government of Orissa (1975) : Kanungo, R.K. and Chari K.M. - Erosion Assessment of Orissa (From ERTS -1, Satellite Imagery, 1975), Unpublished.

Directorate of Public Instruction, Orissa, Bhubaneswar, (1982) : Singh, D.K. Geographical Historical and Cultural Back Ground of Orissa, Report of the Fourth Educational Survey, Orissa, pp. 1-17.

Government of India (1972) : Report of the Irrigation Commission, Vol. 1.

Irrigation and Power Department, Government of Orissa (1973) : Ground Water Development in Orissa, Preliminary Report of Twenty Projects, Vol.1.

National Council of Applied Economic Research, New Delhi (1962) : Techno-Economic Survey of Orissa.

National Council of Applied Economic Research, New Delhi (1976) : Perspective Plan of Economic Development for Orissa - 1973-74 to 1983-84.

Patnaik, M. (1979) : Integrated Development Plan for Drought Prone Area (Case Study of Kalahandi District, Orissa ) MRP Thesis, Department of Architecture and Regional Planning, I.I.T., Kharagpur, (Unpublished).

Patnaik, S. (1980) : Planning for Agricultural Development in the Flooded Tract of Mahanadi Delta, Case Study of Mahanadi-Chitrotpala Doab, M.R.P. Thesis, Department of Architecture and Regional Planning, I.I.T., Kharagpur, Unpublished.

Planning Commission, Government of India (1972) : The Fourth Plan Mid-Term Appraisal ( A Summary ) .

Planning Commission, Government of India (1973) : Integrated Agricultural Development in Drought Prone Areas, Report Prepared by Task Force on Integrated Rural Development ,p.7.

Planning Commission, Government of India, (1973) : Approach to the Fifth Plan (1974-79)

Planning Commission, Government of India (1978) : Draft Five Year Plan (1978-83).

Planning Commission, government of India (1981) : Report on Development of Drought Prone Areas and Desert Areas (National Committee on the Development of Backward Areas ) .

Planning Commission, Government of India (1981) : Sixth Five Year Plan (1980-85).

Planning Commission, Government of India, (1982) : Annual Plan (1982-83) .

Publication Division, Ministry of Information and Broadcasting, Government of India, (1971) : Fourth Five Year Plan 1969-74(Summary).

Soil and Land Use Survey Division, Orissa,Cuttack (1976) : Background Paper on Remote Sensing Survey for Preparation of Land Use Association Maps and Statistics of Orissa, Unpublished.

#### NEWS PAPERS.

The Samaja, July 7, (1982) : Dr. R.Rath - Cuttack, Natural Calamities, Famine of 1865-66 (Historical Facts) .

The Samaja, July 8, (1982) : Editorial on Natural Calamities.

The Samaja, July 14 (1982) : Editorial - Cyclone, Drought and Flood.

The Statesman, Sunday, July 11, (1982) : Editorial - Spectre of Drought.

The Statesman, Sunday, August 8, (1982) : K. Rangachari - Dry Area in Planning- A Lack of Coordination.

## DATA BOOK

Bureau of Statistics and Economics, Orissa (1980) : Statistical Abstract of Orissa.

Bureau of Statistics and Economics, Orissa,(1982) : Economic Survey of Orissa.

Bureau of Statistics and Economics, Orissa (1983) : Statistical Abstract of Orissa.

Community Development and Social Welfare (Grampanchayat) Department, Orissa Bhubaneswar, (1977) : Grams and Panchayats of Orissa.

Community Development and Social Welfare (Grampanchayat) Department Orissa, Bhubaneswar, (1984) : Population by Blocks (Memiographed).

Directorate of Agriculture and Food Production, Government of Orissa, Bhubaneswar (1981) : Orissa Agricultural Statistics (1980-81).

Director of Census Operation, Orissa (1971) : General Population Table, Orissa, 1971.

Director of Census Operation, Orissa-General Economic Tables, Orissa, 1971.

Director of Census Operations, Orissa (1971) : District Census Hand Book Bolangir District, Town and Village Directory, Part X-A and Part X-B, 1971.

Director of Census Operation, Orissa (1971) : District Census Hand Book, Cuttack District, Town and Village Directory, Part X-A and Part X-B, 1971.

Director of Census Operation, Orissa (1971) : District Census Hand Book, Puri District, Town and Village Directory, Part X-A and Part X-B, 1971.

Director of Census Operations, Orissa (1971) : Orissa Administrative Atlas, 1971, Vol. XXI, Part IX-B, Census of India, 1971.

Directorate of Census Operation, Orissa (1981) : Orissa Provisional Population Totals, Census of India, 1981, Series-16.

District Emergency Officer, Baleswar, Bolangir, Cuttack, Dhenakanl, Ganjam, Kalahandi, Keonjhar, Koraput, Mayurbhanj, Phulbani, Puri, Sambalpur, Sundargarh Government of Orissa, Rainfall Statistics by Block from 1970-82(Unpublished).

District Statistical Office, Bolangir (1982) : District Statistical Hand Book Bolangir.

District Statistical Office, Cuttack, (1982) : District Statistical Hand Book, Cuttack.

District Statistical Office, Puri(1982) : District Statistical Hand Book, Puri.

Lift Irrigation Department, Government of Orissa, (1981) : Ground Water Potential by Blocks of Orissa State, (Unpublished).