

# CHRONOLOGICAL INDEX OF CONTENTS

of

Transactions of the IIG

1979 -1998

Volume 1 to 20

*Compiled by Dr. (Mrs.) Jutta Dikshit*

## Volume 1, No. 1, July 1979

DIKSHIT, R. D., On the Geography of Colonialism - A Third World Perspective	1-16
CHANDNA, R. C., SIDHU, M. S., Sex Ratio and its Determinants	17-23
RAO, K. N., VAIDYANADHAN, R., Evolution of the Coastal Landforms in the Krishna Delta Front, India	25-32
MAHADEV, P. D., THANGAMANI, K., Environmental Dimensions of Regional Development - A Theoretical Approach	33-38
SINGH, V. R., A Method of Analysing Agricultural Productivity	39-46
HAZRA, J., BANERJEE, B., Medical Geography of West Bengal	7-55
DESAI, Anjana, The Choice of Residential Space as perceived by Students of Gujarat University	57-64
DATYE, V. S., GUPTE, S. C., Slope and Agricultural Land Use -An Analytical Study with Reference to Poona District (Maharashtra)	65-68
DIDDEE, Jaymala, DIKSHIT, K. R., A Note on Measuring Centrality of Small and Medium Size Central Place	69-77
VISHWANATH, V., Growth and Development of the Wholesale Grain and Vegetable Markets of Madras City	79-84
BOOK REVIEWS	85-86
IN MEMORIAM - Prof. N. P. AYER	87

## Volume 2, No. 1, January 1980

CHAKRABORTY, S. C., The Function of the Indian Railroad System - An Enquiry into the Possible Areas of Research	1-17
SUBBIAH, S., AHMAD, Aijazuddin, Determinants of Agricultural Productivity in Tamil Nadu, India	9-31

ROY, B. K., Internal Migration in India - An Evaluation of 1971 Census Data	33-57
MEHER-HOMJI, V. M., The Link between Rainfall and Forest Clearance: Case Studies from Western Karnataka	59-65
VASANTHA KUMARAN, T., Spatial Analysis in Group Dynamics: A Review and an Imperative for Geographical Research	7-84
KALE, V. S., The Significance of Confluences in Drainage Basin Dynamics	85-89
PRASAD, Nageshwar, SINGH, L. R., The Landscape Evolution of the Barakar Basin in the Light of Geomorphic Models	91-99
VERMA, N. R., GOPAL KRISHAN, Site Analysis of Hill Towns	101-109
BHATTACHARYA, Goutam, VERMA, V. K., Multivariate Analysis of some Drainage Basins in Singanama Area, Hoshangabad District, Madhya Pradesh	111-117
BOOK REVIEWS	119-122

### Volume 2, No. 2, July 1980

SITA, K., PHADKE, V. S., Declining Towns of India, 1971	7
KAYASTHA, S. L., SINGH, M. B., Evolution of Industrialization in Eastern Uttar Pradesh	9-22
DIKSHIT, R. D., On the Place of Electoral Studies in Political Geography	23-27
POFALI, R. M., The Geomorphical Features of Nagpur District, Maharashtra	29-36
SINGH, Surendra, Reciprocity Model, Agricultural Development and Regional Planning: A Case Study of Uttar Pradesh, India	37-47
SINGH, Savindra, Association between Drainage Basin Characteristics of Small Drainage Basins of the Ranchi Plateau, India	49-60
RAZA, Moonis, Reflections on the Geographical View of Man in the Eco-System	61-67
MATHUR, R. N., YADAV, K. S., Assessment and Management of Water Resources: A Case Study of Shahabganj Block, Chakia Tahsil, Varanasi District, Uttar Pradesh, India	69-76

PANT, Appasaheb B., The Challenge of the Himalayas: Geopolitics of Confrontation or Co-operation	77- 89
SINGH, Ram Dayal, Some Areally Associated Factors in Intra-Urban Variation in Population: Patna	91- 99
JAIN, N. G., Morbidity Pattern and Trends in Filaria Incidence in Nagpur City: A Geographic Analysis	101-108
BOOK-REVIEWS	109-114
NOTES AND NEWS	115-117

### Volume 3, No. 1, January 1981

BISWAS, Arabinda, The Concept of the Ecosystem and the Position of Geographers	1-12
KULKARNI, K. M., Pattern of Urban Growth in India: Some Crop Regional Profiles	.13-20
BALA, Raj, Spatial Perspective on Urbanisation in India from the Ancient to the Early Modern Period	21-29
KUMAR, Anil, KUMAR, Devendra, Slope Morphology of the Pre-Cambrian Residual Hills, Monghyr	31-39
TYAGI, N. S., TYAGI, A. K., TYAGI, R. C., An Enquiry into the Levels of Infant Mortality Variations in a Medium Size Town: A Case Study of Hapur	41-52
ANAND, Savita, Place Names of the Rural Settlements of the Outer Himalaya: A Cultural- Geographical Interpretation	53-63
RAI, B. K., The Study of Hill Slopes and its Impact on Landuse around Sagar (M. P.)	65-71
GILL, Mehar Singh, Changes in Sex Ratio of Rural Population of Hissar District 1971: A Spatial Perspective	73-80
SINGH, C. P., Geography and Electoral Studies	81-87
DATYE, V. S., DIDDEE, Jaymala, Microlevel Analysis of Land Holdings and Agricultural Practices: Case Studies	89-99
BOOK-REVIEWS	100-101

### Volume 3, No. 2, July 1981

SUBRAHMANYAM, V. P., SARMA, A. A. L. N., Evolution of the Indian Climates and Water Use Planning	103-114
---	---------

REDDY, N. B. K., REDDY, D. Narsimha, Agriculture in Arid and Semi-Arid Regions in India	115-135
SINGH, Kashi N., SINGH, S. B., SINGH, R. P., Rationalization of Spatial Organisation of Settlement Systems: A Case Study of Integrated Rural Development	137-148
GOWDA, P. Bore, MAHADEV, P. D., Spatial Pattern of Co-operative Sector Housing Development and its Role in Urban Fringe Expansion	149-157
SHARMA, K. D., Endogenous and Exogenous Urbanisation: A Case Study of Uttarkhand (U. P. Himalaya)	59-174
THAKUR, Baleshwar, Entropy Analysis of Changing Urban Pattern in North-Eastern India: 1901-1971	175-181
DAS, K. K., Spatial Perspective on the Availability of Foodgrains in North Bihar Plain - West of the Kosi	183-191
CHARAN, Peter, Urban Growth Dynamism in the Narmada Valley (M. P.): An Analysis of Migration Streams	193-200
DIDDEE, Jaymala, DATYE, V. S., Model of Spatial Structures of Scheduled Caste Exclaves (vis-a-vis the Main Village)	201-205
PANDIT, Avinash, Superfast Expresses: A Geographical Consideration	207-212
BOOK-REVIEWS	213-216
NOTES AND NEWS	17-219

### Volume 4, No. 1, January 1982

DIKSHIT, R. D., SHARMA, J. C., Electoral Performance of the Congress Party in Punjab (1951-1977): An Ecological Analysis	1-15
KUMRA, V. K., KAYASTHA, S. L., Ganga Water Pollution at Kanpur City: A Geographical Analysis	17-24
RAJMOHAN, A., The Hierarchical Organization and Structural Pattern of Urban Centres: A Multivariate Approach	25-37
SUBRAMANIAM, A. R., VINAYAK, P. V. S. S. K., Water Balance Studies of Trivandrum and its Vicinity	39-42
BEDI, Neelkamal, Post Independence Transformation of Rural Landscape of Central Haryana: A Model and Spatial Expressions	43-55

DUTT, G. K., Landforms in the Lower Ganga Basin	7-65
SAMBASIVA RAO, M., Morphology and Evolution of the Modern Cauvery Delta, Tamil Nadu - India	67-78
SINGH, R. N., PATHAK, R. K., Micro-Regional Planning for Transport Management in Faizabad District (India)	79-90
JOG, S. R., KARLEKAR, S. N., The Planation Surfaces and the Development of Drainage of Maharashtra Plateau	91-98
MAHTO, Kailash, Indicators of Economic Development: A Theoretical Approach	99-104
BOOK-REVIEWS	105-107

### Volume 4, No. 2, July 1982

CHAKRABORTY, S. C., Comprehensive Area Development: Its Relevance as a Planning Strategy in India	109-123
NAGANNA, C., BARAI, Daksha, Drought Mitigation Strategy A Case Study in Kolar Region, Karnataka	125-131
SUBRAHMANYAM, V. P., DEVI, Sachi, VISHVANATH, P., Some Aspects of Urban Climatology of Vishakhapatnam	133-141
SINGH, Jhujar, Spatial Organization of Agriculture in a North Indian Village: A Behavioural Approach	143-152
SINGH, U. P., Evolution and Growth of Industrial Landscape in the Damodar Valley, Bihar	153-161
BHATARA, Shabnam, Inter Industry Linkages and Spatial Association: A Case Study of Basic Ferrous Metallurgy	163-168
DUBE, R. S., Social Well-Being in Madhya Pradesh	169-174
KARENNAVAR, M. F., HIREMATH, S. S., Water Resource of Karnatak	175-184
RAWAT, J. S., JOSHI, S. C., Morphometric Personality of the Himalyan Tectonic Units	185-190
SUBRAMANIAM, A. R., KESHAVA RAO, A. V. R., BHASKAR RAO, K., Climate and Horticulture in India	191-215
BOOK-REVIEWS	217-221
NOTES AND NEWS	222-223

**Volume 5, No. 1, January 1983**

PANDEYA, Binaya, PRASAD, N., Hydrological Regions of Bihar	1-10
SUBRAHMANYAM, V. P. Some Aspects of Hydroclimatology and Water Balance of the Chandrampalem Basin	11-18
SHARMA, H. S., Inland Drainage of North-eastern Rajasthan and its Possible Link with the Ghaggar Yamuna System	19-22
VYAS, Anjana, THANGAVEL, C., Diffusion of Agricultural Technology and its Implication for Future Adoption: A Case Study	23-28
DESAI, Anjana P., SARKAR, Mitali, CHAUHAN, Radha, CONTRACTOR, Shafee, - Cultural Profile of Urban Centres of Gujarat: Linguistic Aspect	29-41
TAMASKAR, B. G., GEDAM, D. A., Typology of Service Areas of Periodic Marketing System and Network	43-49
JAIN, Jawahar Lal, Urban System of Malwa : An Approach to Structure and Organisation of Urban Hierarchy	51-64
SINGH, Jagdish, Industrial Development in Madhya Pradesh : A Case Study in the Process and Pattern of Industrialisation in India	65-72
KARLEKAR, S. N., The Coastal Dunes and Dune Building Plants of Kalabadevi Spit Bar, Maharashtra, India	73-76
SAMBASIVA RAO, M., NAGESWARI, K., Evaluation of Land and Water Resources of Cumbum Valley in Madurai District, Tamil Nadu	77-89
BOOK-REVIEWS	90-93
NOTES AND NEWS	94

**Volume 5, No. 2, July 1983**

KUMAR, Pramila, BAGHEL, Lakheshwar P., The Ken and its Gorge - Some Explanations	95-100
KRISHAN, Gopal, Administrative Geography	101-108
BANERJEE, Swapna, BARMAN, S., Input Availability and Modern Agriculture in Burdwan District, West Bengal	109-114
SINGH, Jhujar, Spatial Organization of Agriculture in a North Indian Village: Deductive Model	115-126

KULKARNI, K. M., THANGAVEL, C., Demographic Characteristics and Functional Base of Urban Agglomeration and their Outgrowths in Gujarat, India	127-136
MISRA, H. N. Informal Sector in Indian Cities: A Case Study of Rickshaw Pullers in Allahabad City	137-144
KALE, Vishwas S. The Indian Peninsular Movements, Western Ghat Formation and their Geomorphic Repercussion	145-155
CHOUBEY, Kailash, TIWARI, P. D., Problems of Nutritional Deficiencies in Rural Areas of Madhya Pradesh: A Case Study of Rewa Plateau	157-163
PATNAIK, Manjurani, ROUSTRAY, Jayant Kumar, Intensity of Drought and Spatial Variation in Agricultural Development: A Case Study of Kalahandi District in Orissa	165-170
CHANDRASHEKHAR, H., G. NAGANNA, C., A Geomorphic Study of the Chikkahagari Basin in Karnataka, India	171-182
JAMKAR, A. G., BHAMRE, S. M., Morphometric Analysis of River Panzara and her Important Tributaries: A Case Study	183-188
NOTES AND NEWS	189-191
BOOK REVIEWS	192-194
IN MEMORIAM - Prof. Mohammad Anas	195

### Volume 6, No. 1, January 1984

RAMANATHAH, Y. V., REDDY, N. B. K., Regionalisation of Agricultural Productivity in Andhra Pradesh	1-17
SUBRAMANIAM, A. R., SAMBASIVA RAO, A., Agroclimatic Classifications of Maharashtra	19-26
DESAI, Anjana P., Analysis of Settlements in a System: A Case Study of Mahesana District	27-35
PREM, Kavita, A Linguistic Minority in an Urban Spatial Context: Residential Pattern and Mechanics of Integration of the Bengalis of Chandigarh	37-50
CHAND, Raghubir, BATTACHARYA, Gautam, An Approach to determine Typology of Settlements in Himalaya: A Case Study of Pithoragarh District	51-57
SINGH, A., SINGH, B. V., The Ecology of Tuberculosis Disease : A Study in Medical Geography	59-68
TARAGI, R. C. S., THAKUR, M. C., Areal Disparities in the Distribution of Amenities in the Hills	69-78

PRUDHIVI RAJU, K. N., KRISHNA BHAGWAN, S. V.B., Human Induced Geomorphic Hazards in Vishakhapatnam Coastal Strip, Andhra Pradesh	79-84
DIKSHIT, S. K., GIRI, H. H., Concept and Purpose of Electoral Geography	85-88
DIDDEE, Jaymala, The Phenomenon of Population Dispersion in Rural Areas: A Case Study of Poona District	89-101
DESAI, A. T., Broach, The Declining River Port of Western India: A Note	103-105
BOOK REVIEW	106
IN MEMORIAM - Prof. George Kuriyan	107

### Volume 6, No. 2, July 1984

DUTTA, Laksha Hira, Alluvial Fans in the Northern Brahmaputra Valley: A Geomorphological Interpretation	1-14
SIDDIQUI, Farasat Ali, Rural/Urban Population Age Structure Regions of Uttar Pradesh	15-25
RAWAT, J. S., PANDEY, D. C., TIWARI, P. C., Polycyclic Landscape and its Relationships with Tectonic Instability and Paleoclimate (A Bowsprit)	27-33
KUMAR, Prahalad, The Distribution and Development of Slope in a Greater Himalayan Basin	35-44
PRASAD, T. J. Renuka, SRINIVAS, G., NAGANNA, C., Study of Precipitation Trends in Shimsha River Basin in Karnataka	45-50
JAYAMANI, P., Spatial Pattern of Urban Centres and Imbalances in Regional Development	51-59
DATYE, V. S., GUPTE, S. C., Association between Agricultural Landuse and Physico-Socio-Economic Phenomena: A Multivariate Approach	61-72
MORE, K. S., MUSTAFA, F. R., Irrigation Requirements and Developments in Maharashtra	73-78
DUBE, R. S., MISRA, R. P., Nutritional Availability Patterns in Madhya Pradesh	79-89
BOOK REVIEWS	90-94
IN MEMORIAM - Prof. David Edward Sopher	95- 97

**Volume 7, No. 1, January 1985**

JOSHI, S. C., Degradation and Stream Capacity on Krol Rocks during Monsoon Rains: Illustration from a Himalayan Watershed	1-7
BRÜCKNER, Helmut, New Aspects of Quaternary Coastal Geomorphology	9-16
HYMA, B., RAMESH, A., Siddha System of Health Care - A Profile of Users in Madras, India	17-39
YADAV, Hridai R., Physical Factors in Land Concentration: A Case Study of Eastern Uttar Pradesh	41-47
VIDYANATH, V., Crop Productivity in Relation to Cropland in Andhra Pradesh - A Spatial Analysis	49-55
MAHALAKSHMI, K. B., BANDI, David E., BABU, V. R. R. M., Morphology, Land Units and Land Use Studies through Aerial Photographs of Parts of Asifabad and Sirpur Talukas in Adilabad District, Andhra Pradesh	57-66
SHARMA, T. C., COUTINHO, O., Disparities in Foodgrain Production in Uttar Pradesh - A Spatio-Temporal Analysis	67-71
MAS'AD, A. M., Environmental Hydrology of Jordan	73-84
JOG, S. R., Stream Numbers and Bifurcation Ratios	85-88
BOOK REVIEWS	89-91
NOTES AND NEWS	92-93

**Volume 7, 2, July 1985**

RAKHECHA, P. R., MANDAL, B. N., RAMANA MURTHY, K. V., Analysis of Hourly Rainfall Distribution of Karanja Catchment	95-103
CHATTOPADHYAY, S., SALIM, M. B., Morphological Classification of Land and Assessment of its Suitability for Various Uses - A Case Study of Bavalipuzha-Aralampuzha Drainage Basin	105-112
DIKSHIT, R. D., Geography Teaching and Environment - A Review and Suggestions	113-123
GOLLERKERI, R. S., DE, Jayashree, SHRIVASTAVA, A. K., Impressions of Health and Environment in Baroda City	125-130
PANCHADHYAYI, S., BISWAS, A., Basin Environment and Management - A Case of the Subernarekha System	131-145

CHAND, Ragubir, Functional Hierarchy of Rural Central Places in the Himalaya - A Case Study	147-155
KARLEKAR, S. N., The Tidal Landforms of Uran-Alibag-Murud Coast of Maharashtra, India	157-161
VISHWANATH, V., GANESH, A., Hydrometeorological Characteristics and Water Balance of the Upper Vagai Basin, South India	163-170
VERMA, Madhu, A Note on the Biological Spectrum of the Flora of Udaipur District	171-176
KUMAR, Vijay, PAL, Mohinder, Development of Irrigation in Haryana: Limitations and Prospects - A Review	177-185
BOOK REVIEW	187
NOTES AND NEWS	188-190

### Volume 8, 1, January 1986

DATYE, V. S., Agriculture in the Vedic and Later Vedic Period	5-11
DHAR, O. N., MULYE, S. S., MANDAL, B. N., The Highest ever recorded Floods in the Major Indian Rivers: A Brief Appraisal	13-26
GADGIL, Alka, GORE, Sharad, GUPTA, Shridhar, Annual and Weekly Analysis of Rainfall and Temperature for Pune: A Multiple Time Series Approach	27-33
GREGORY, S., Data Base Aspects of Temporal Patterns of Climatic Fluctuations: An Indian Case Study	35-44
MALINI, B. Hema, Climate and Landuse of Anantapur District (Andhra Pradesh)	45-49
KALE, Vishwas S., GUPTA, S. C., Some Observations on the Denudational Surfaces of the Upper Godavari and Krishna Basins (Maharashtra)	51-58
KUMAR, Prahalad, Functional Analysis of Basin Area Development in the Greater Himalayan Region (Dhaulta Ganga Basin)	59-66
RAMANATHAN, Y. V., REDDY, N. B. K., A Note on the Crop Diversification in Andhra Pradesh	67-69
BOOK REVIEWS	71-74
NOTES AND NEWS	75

**Volume 8, 2, July 1986**

DEOSTHALI, Vrishali, Regionalization of Urban Area -An Ecological Approach - A Case Study of Pune City	77-90
DESHPANDE, C. D., Urban Models and Indian Realities	91-94
KAUL, M. N., Mass Balance of Liddar Glaciers	95-112
KALE, Vishwas S., KARLEKAR, S. N., DEODHAR, L. A., Channel Morphology and Hydraulic Characteristics of Vashishthi River, Maharashtra (India)	113-126
MAHAJAN, Y. N., PHADKE, V. S., Industries of Khopoli : An Analysis of Raw Material and Market Linkage	127-137
MALSHE, P. T., Analysis of the Changes and Trends in the Urban Systems in Maharashtra	139-158
SOUNDARAM, S. V., VIJAYALAKSHMI, M., Administrative Headquarters in Tamil Nadu - Spatial Dimension	159-164
KUMAR, Vijay, PAL, Mohinder, Haryana's Capital: A Politico-Geographical View Point	165-167
BOOK REVIEWS	169-173

**Volume 9, 1, January 1987**

BANERJEE-GUHA, Swapna, Third World Urban Economy and its Bi-Polarism. Informal Traders in a Planned Town in India	1-9
BEGG, Robert B., A "Basic" Program for Drawing Maps from a Graph Paper Data Base	11-17
CHAKRABORTY, Satyesh C., Physiographic Provinces of Eastern India	19-31
KARLEKAR, Shrikant N., The Forests of Vashishti River Basin	33-42
PAWAR, R. S., Cultural Ecology of Bhil House Type of Narmada Valley	43-47
SHINDE, S. D., PATIL, P. B., An Appraisal of Soil Fertility Status in the Panchganga Basin	49-57
ZUTSHI, Bupinder, Energy Consumption in Domestic Sector: A Case Study of Srinagar City, Jammu and Kashmir	59-60

**Volume 9, 2, July 1987**

DHAR, O. N., NANDARGI, B. S., KULKARNI, A. K., Estimation of PMP for the Kallada Basin located in the Western Ghats of South Kerala	1-12
OBEROI, G. S., Application of Photogrammetry and Remote Sensing - Land Reforms in India	13-17
PADHYE-GOGATE, M. P., SITA, K., Salinity Ingress in Coastal Parts of Thane District, Maharashtra	19-24
PAWAR, N. J., THIGALE, S. S., POWAR, K. B., Impact of Human Activities on the Quality of Water in the Mutha Right Bank Canal, Pune City Area	25-33
PRASADA RAJU, P. V. S. P., Influence of Geological and Structural Aspects on Drainage Morphometric Properties of the Kollam Vagu, Maddieru and Paleru Streams in Kurnool District, Andhra Pradesh	35-44
CHAKRABORTY, Satyesh C., Contemporary Directions in Geography and our Options in India	45-51
NEWS	52

**Volume 10, 1, January 1988**

DATYE, V. S., PAWAR, N. S., Agricultural Productivity - A Micro Level Study of two Villages, Maharashtra	1-7
GERRARD, John, The Role of Pedogeomorphology in Tropical Landform Studies	9-14
KULKARNI, U. D., KALE, V. S., POWAR, K. B., A Quantified Approach to the Multivariate Influence of Geomorphic Parameters on the Drainage Network of the Konkan Coastal Belt, Maharashtra	15-27
MUKHERJI, A. B., The Punjab Piedmont Pediments: A Climato-Genetic Interpretation	29- 59
TIWARI, P. D., A Geographical Analysis of the Calories available from Different Crops in Madhya Pradesh	61-69
THAKUR, Mahabir Chand, Determination of Agricultural Productivity in a Developing Region: A Case Study of Western Uttar Pradesh	71-77

**Volume 10, 2, July 1988**

DIDDEE, Jaymala, AHIR, B. B., Seasonal Movements in the Sahyadrian Rainshadow of two Pastoral Groups : The Dangars and the Banjaras	1-14
---	------

PANDURKAR, R. G., Mortality Patterns and Trends of Poliomyelitis in Maharashtra	15-21
PATIL, D. N., LAMBA, V. J. S., JOSHI, S. V., Chemistry and Mineralogy of Lithomarges from the Area around Agaria, Jabalpur District, M. P. India	23-34
SHRAVAN KUMAR, V., CHATTOPADHYAY, S., NAIR, N. J. K., Bio-climatic Characteristics of Kerala - A Case Study	35-45
SINGH, S. C., SINGH, S. B., Settlement Distribution and their Correlation with Morphometric Attributes in Simla Hills	47-55
SUBRAMANIAM, A. R., SESHAMANI, T. R., Eco-climate of Michelia Champaca near Visakhapatnam	57-64
PATIL, P. N., GADGIL, Alka, Environmental Lead Distribution in Relation to Road Dust Samples in and around Pune	65-67

### Volume 11, 1, January 1989

SINGH, D. N., SINGH, T. D., Perspective on some Resource Analysis : Techniques and Methods	1-12
SUBBIAH, S. and PANNEERSELVAN, K., Urban Sprawling and Environmental Deterioration: A Study of South Madras Coastal Zone	13-20
RAMA RAO, K. D., Identification of Basic Planning Units in Visakha-patnam Urban Development Authority (VUDA) Villages	21-26
BAMBAWALE, Usha, How to formulate your Research Project	27-29
REDDY, N. B. K., Indian Geography Tasks Ahead	30-32
BHATT, A., RAWAT, J. S., Capacity of Channel Runoff in the Central Lesser Himalayan Watersheds	33-37
VIJAYALAKSHMI, M., Urbanisation and Development Processes in North Arcot District (Tamil Nadu)	38-45
MALSHE, P. T., GHODE, S. K., Pandharpur : A Study in Geography of Religion	46-62
BOOK REVIEWS	63-64
NOTES AND NEWS	65-66

### Volume 11, 2, July 1989

MURALI MOHAN RAO, E. V., Problems and Perspectives in Agroclimatical Studies in Semi-Arid Tropics	1-6
--	-----

KANT, Surya, Study of Shape of Administrative Areas in India	7-17
GOPALKRISHNAN, R., A Review of War and Peace Landscape	19-25
THAKUR, Rameshwar, Agricultural Productivity in South Bihar Plain : A Spatial Analysis	27-41
VAJRAPPA, H. C., SRINIVAS, G., Geomorphological Study of the Kabini River Basin, South India	43-50
MISRA, R. P., Regional Disparities in Protein Availability in Madhya Pradesh	51-59
ANAND, P. H., Potential Surface Analysis: A Computational Method	59-69
BOOK REVIEWS	71-73
NOTES AND NEWS	74-75
IN MEMORIAM - Prof. S. P. Chatterjee & Prof. P. Subrahmanyam	76-77 78-79

### Volume 12, 1, January 1990

DHAR, O. N., MANDAL, B. N., KULKARNI, B. D., A Brief Appraisal of Rainfall Distribution in the two Regions of Jammu and Kashmir State	1-10
DIKSHIT, Jutta, LADHE, V. P., Some Observations on the Loessic Deposits of the Upland Maharashtra	13-31
LAHIRI-DUTT, Kuntala, Whither Geography : Some Observations from the U. S. A.	33-38
ABBUNOORI, Abbas Ali, Irrigation and Agricultural Development in Drought Prone Areas of Iran : A Water Balance Approach	39-56
SANTRA, Syampada, DAS, Pannalal, BISWAS, Arabinda, Crop Combination Regions of Haora District - A Spatio-Temporal Analysis	57-71
DEVI, Kesi, GOEL, N. P., Houseless Population in Uttar Pradesh : A Geographical Analysis	73-89
BOOK REVIEWS	91-99
NOTES AND NEWS	100-101

### Volume 12, 2, July 1990

AROKOYU, Samuel Bamkole, A Systems Analytical Framework for Rural to Rural Migration Studies in Developing Countries	103-109
--	---------

CHATTERJEE, Nandini, Impact of Irrigation on Cropping Intensity in West Bengal	111-120
SINGH, Hemlata, SINGH, R. Y., Drainage Analysis of a Few River Basins in Bilaspur Region, H. P.	121-138
KARLEKAR, S. N., The Significance of Harihareshwar Shore Platforms in the Interpretation of Sea Level Fluctuations along Maharashtra Coast	139-143
MISRA, H. N., Reflections on Indian Urban Geography	145-154
NAYAK, Debendra Kumar, Geography, Environment and Social Concern	155-163
BOOK REVIEWS	165-167

**Volume 13, 1, January 1991**

GREGORY, S. Patterns and Intensities of Marked Rainfall-Deficit Conditions in the State of Maharashtra, India, during the Summer (June-September) Monsoon, 1871-1984	1-27
KULKARNI, A. K., MANDAL, B. N., SANGAM, R. B., Analysis of Severe Rainstorm of 23-25 July over Northern Half of the Indian Peninsula	29-41
KUMARASWAMY, K., SIVAGNANAM, N., Diagnosing Salt Water Intrusion in Vaippar Estuary of the Choramandal Coast, India	43-51
GUHA, Bansari, BISWAS, Arabinda, Lessons from a Study of some Riverbank Settlements in Sunderban, West Bengal	53-64
PARIZANGANEH, Abdol H., RANGASWAMY, Vimala, Tribal Environment of Chhota Udaipur Region in Gujarat	65-72
SUBRAMANIAM, A. R., SRIMANNARAYANA, T., Climatic Studies of Madhya Pradesh	73-81
BOOK REVIEWS	83-87

**Volume 13, 2, July 1991**

CHATTOPADHYAYA, Srikumar, Landsat Image Analysis for Geomorphological Mapping in a Flat Terrain : A Case Study in Parts of Ganges Delta	89-97
DE, Jayashree, KANCHAN, Rolee, DASH, Niladari Ranjan, Location and Planning of Health Care Delivery System at the District Level	99-111
PATIL, D. N., KULKARNI, A. V., THORAT, S. K., Geochemistry of Soils of the Indrayani River Basin, Western Maharashtra, India	113-127

OFORI-SARPONG, E., Some Aspects of Kenya's Demographic Trends	129-139
KANTH, T. A., BHAT, M. S., Soil Erosion Intensity Zones in Kashmir Valley	141-148
SINGH, Nina, Industrial Development in Haryana: An Appraisal	149-167
NOTES AND NEWS	169
BOOK REVIEWS	170-173

### Volume 14, 1, January 1992

SHARMA, K. D., Patterns and Processes of Urbanisation in a Himalayan State: A Case Study of Himachal Pradesh (India) 1881-1981	1-12
THAKUR, Baleshwar, BHUSHAN, Phool Singh, Land-Man Relationship and Distribution of Agricultural Land in East Sikkim	13-32
GOGATE, P. P., PHADKE, V. S., Declassified Towns of India	33-46
SINGH, J., SRIVASTAVA, Saroj, KUMAR, Brajesh, Concentration and Probability of Water Borne Diseases in Saryupar Plain of U. P.	47-54
ARUCHAMY, S., SARAVANKUMAR, P. JAGANATHAN, R., WILSON, A., Spits of the Coromandal Coast in Tamil Nadu	55-64
PENCHALAI AH, T., RAMANAIAH, Y. V., The Spatial Analysis of Rainfall in the Drought Prone Area of Cuddapah District, Andhra Pradesh	65-77
KUMAR, Sanjay, Geomorphology of a Part of Hazaribagh Plateau	79-88
SUKUMAR, B., SUKUMAR, Ahalya, SIDHARTHAN, S., RAJU, K., Density of Population: A Panchayat Level Study in Kerala	89- 95
BOOK REVIEWS	97-102

### Volume 14, 2, July 1992

DIKSHIT, Ramesh Dutta, On the Crisis of Identity in Political Geography	103-111
SINGH, J., SHRINET, A. S., KUMRA, V. K., Urban Environmental Crisis : A Study of Bhopal Gas Tragedy	113-125
MAYER, Ishtiaq A., Geographical Distribution of Tuberculosis in Kashmir Division	127-134

SINGH, Jhujar, Sugar Refinery and Spatial Organization of Sugarcane	135-140
VAID, Varsha, DATYE, V. S., Agricultural Productivity in Western Maharashtra and Konkan: A Historical Perspective	141-148
REDDY, N. B. K., MURALI MOHAN RAO, E. V., Regionalisation of Karnatiaka on the Basis of Rainfall	149-153
MARKANDEY, Kalpana, Urbanisation and Economic Development in India	155-161
GUPTA, H. S., BAGHEL, A., Regional Variation in Fertility in Madhya Pradesh	163-169
BOOK REVIEWS	171-178
OBITUARY : Dinkar M. Wagh	179
IN MEMORIAM - Prof. Ramanand Sanjeevrao Gollerkeri	180-181

### Volume 15, 1, January 1993

GOPALKRISHNAN, R., An Appraisal of the Socio-Political Tension in the North-Eastern Region	1-12
REDDY, N. R. S., REDDY, N. B. K., Spatial Pattern of Carrying Capacity of Land in Cuddapah District	13-25
BHAGAT, R. B., Regional Variations and Changes in Female Age of Marriage in India 1961-82	27-38
SHARMA, V. N., Spatio-Temporal Analysis of Industrial Clusters in M. P.	39-50
DIKSHIT, R. D., SHARMA, Vinod, Voting Preferences in State vis-_-vis National Elections under a Federal System - A Case Study of Haryana (India)	51-70
SINGH, R. B., Remote Sensing Research in India - Trends and Prospects	71-83
SHIVALINGAPPA, B. N., A Bibliographic Review of the Studies of Migration	85-97
BOOK REVIEWS	99-104
OBITUARIES - Prof. V. L. S. Prakash Rao,	105
Prof. Ambubhai T. Desai	106

### Volume 15, 2, July 1993

DIDDEE, Jaymala, OCTANIA, Simi, Medium Towns as Development Nodes (Some Observations from Maharashtra)	1-14
---	------

GANESH, A., A Trend Surface Analysis of Rainfall Distribution : A Case Study of Upper Vaigai Basin, Tamil Nadu	15-20
KRISHNAKUMARI, A., SWAMINATHAN, E., Levels of Agricultural Modernisation in Nellore District, Andhra Pradesh	21-26
KHAN, Abdul Kayoom, Delimitation of Commercial Centres: A Case Study of Srinagar City	27-34
KUMAR, Vijay, KUMAR, Raj, A Note on the Cultivation of Sunflower in Haryanan: Some Recent Trends	35-43
KARLEKAR, Shrikant, KESKAR, Umesh, Shifting Sediment Concentration and Sedimentation Zones in Banganga Estuary, on the Arabian Sea Coast (India)	45-52
KAPPEL, Markus, Method of Land Evaluation and Land Use Planning for Rural Areas : A Review	53-69
BOOK REVIEWS	71-73

### Volume 16, 1, January 1994

DEV, Amar, BANERJEE-GUHA, Swapna, Geography and Health Care Planning: A Case Study of Rural Himachal Pradesh	1-17
PADMAJA, S., A Few Salient Characters of the Rejuvenated Nature of Mej and its Tributaries along the Left Bank of Chambal	19-28
MANGAT, H. S., Patiala Floods : Where lies the Solution?	29-33
HARIDAS, V. R., CHANDRASEKRAN, V. A., KUMARASWAMY, K. RAJENDRAN, S., UNNIKRISHNAN, K., Geomorphological and Lineament Studies of Kanjamalai using IRS-1 Data with Special Reference to Groundwater Potentiality	35-41
KULKARNI, A. K., MANDAL, B. N., SANGAM, R. B., A Study of Heavy Rainfall of 22-23 August, 1990 over Vidarbha Region of Maharashtra	43-50
HANGARAGI, S. S., NAREGAL, S. S., Spatio-Temporal Variation in the Number and Population of Urban Centres of Bijapur District in Karnataka	51-60
SINGH, S. B., Villagization - A Key to the Development of Rural Environment in Africa : A Case Study of Ethiopia	61- 66
THAKUR, B., Indian Geography: Development, Trends and Prospects (P+I)	67-85
PATWARDHAN, A. M., The Latur Earthquake	87-91

BOOK REVIEWS	93-96
OBITUARIES - Prof. Mamata Sharma E. Srotri	97

### Volume 16, 2, July 1994

MURALI KRISHNA, M., NANDAKUMAR, D., PADMANABHAN, V. T., Spatial Analysis of the Distribution of Radioactivity in the High Natural Background Radiation Areas of Kerala, India	101-106
SASEENDRAN, S. A., MURALI, A. K., Agrometeorological Studies for Optimal Utilisation of Water Resources in Kozhikode District of Kerala State	107-113
CHENDRAYUDU, N., RAMANAIAH, Y. V., Agricultural Typology: A Theoretical Perspective	115-121
SINGH, Sachinder, Social Ecology of the Congress Party Vote in Himachal Pradesh Assembly Elections (1982-1990)	123-133
MEHTA, Swarnjit, SINGH, Yadvinder, Spatio-Temporal Changes in the Natural Hilly Ecosystem : A Case Study of the Chandigarh Siwalik Hills	135-146
GUPTA, M. P., SHARMA, Sarla, In-Migration in Madhya Pradesh	147-154
TIWARI, Manisha, CHOUBEY, Kailash, Allopathic Health Care Delivery System in Madhya Pradesh : A Case Study in Medical Geography	155-164
SINGH, C. P., SINHA, N. K. P., Morphometric Analysis of Terrain : A Case Study of South Mirzapur Upland	165-175
THAKUR, B., Indian Geography: Development, Trends and Prospects (P+II)	177-195
NEWS	197-199
BOOK REVIEWS	201-202

### Volume 17, 1, January 1995

ANAND, P. H., Spatial Analysis of High Nitrate Concentration in the Groundwater of Kaveri Delta and its Implications	1-5
KARLEKAR, S. N., DEVNE, M. P., The Occurrence of Mud on a Sandy Pocket Beach near Anjarle, Coastal Maharashtra	7-14
CHATTOPADHYAY, Srikumar, Environmental Impact on Urbanisation: A Case of Kerala, India	15-27

RAINA, A. K., KAUL, M. N., SHARMA, Ravi K., Downstream Changes in Lithology and Sediment Load in the Baspa River Valley, Himachal Pradesh	29-34
JANA, Narayan C., Measuring Land Potentials in South-Western Midnapore, West Bengal	35-46
DESAI, Anjana, BATTACHARYA, Goutam, Developmental Problems of Rural Settlements in the Coastal Area of the Bhal Region of Gujarat	47-54
DEOSTHALI, Vrishali, THAKARE, Pravin, On Variation and Prediction of Daily Maximum Temperature over Pune	55-63
BOOK REVIEW	64-66
OBITUARY - Prof. Moonis Raza	67-68

### Volume 17, 2, July 1995

KRISHNAMURTHY, K., SENTHIL KUMAR, T., NANDAGOPALAM, V., Urban Environment in Tiruchirapalli Vegetation	69-74
SARAVANABAVAN, V., SHANMUGANANDAN, S., Application of Multivariate Analysis in the Identification of Major Dimensions of Multibacillary Leprosy in Tamil Nadu	75-80
SURESH, T. S., Morphometric Analysis of the Yagachi River Basin, Karnataka, India	81-85
SINGH, B. N., SINGH, Alkeshwari, Adoption of Innovations and Agricultural Mechanisation in District Pratapgarh, U. P. .	87-96
CHAND, Ramesh, Historical Background to Electoral Politics and Voting Preferences in Himachal Pradesh : A Spatial Perspective	97-105
SHARMA, P. K., Agricultural Development in the State of Punjab during the Last Two Decades	107-118
RATH, Krishna Chandra, ROUSTRAY, Jayant Kumar, Spatio-Temporal Analysis of Integrated Rural Development Program at Block Level : A Case Study of Cuttack District in India	119-132
GANDHI, Smita, BANERJEE-GUHA, S., Formal and Informal Manufacturing in Greater Bombay : A Spatio-Sectoral Analysis	133-144
DIKSHIT, K. R., The Growth of Physical Geography, the Indian Scene and the Agenda for the Future	145-163
BOOK REVIEW	165-167
NEWS	169-170
OBITUARY - Prof. Prabhakar Raghunath Karmarkar	171-172

**Volume 18, 1, January 1996**

- GOSAL, Gurdev Singh,  
Human Resource Development 1-6
- LAHIRI-DUTT, Kuntala,  
Mining Development and Gender in Raniganj Coal Belt 7-15
- KANTH, T. A., KHAN,  
Abdul Qayoom, Planning Strategy for Sustainable Development :  
A Case Study of Forest Resources of Kashmir Valley 17-25
- SINGH, S. B., JUYAL, Rupali,  
Women and Sustainable Development in Marginal Regions: Observations from a District of U. P.  
Himalaya, India 27-35
- RAMANAIAH, Y. V., REDDY, K. R., CHENDRAYUDU,  
Soil Types, Soil forming Environment and Soil Management in the  
Semi-Arid Zone of Anantapur District, Andhra Pradesh 37-44
- MADHAVA CHANDRAN, K., NANDESHWAR, M. D., VALSON, T.,  
Assessment of Farmers' Attitude towards Water Users' Associations under  
CADA - A Case Study in Kerala 45-52
- KUMBHAR, A. P., DESHMUKH, P. W.,  
Fairs as Places of Social Interaction: A Study of Nira Valley, Maharashtra 53-58
- HUGAR, S. I.,  
Impact of South-West Monsoon Rainfall Trend on Cropping Pattern :  
A Case Study of Semi-Malnad Region of Dharwad District 59-63
- SHARMA, P. R., MAURYA, Mahanth,  
Spatial Analysis of Small Towns and its Implications in Decentralised Planning 65-76

**Volume 18, 2, July 1996**

- MEHTA, Swarnjit,  
Arid and Semi-Arid Lands : Environmental Issues,  
Future Research Tasks and Sustainable Development 1-6
- SARAVANAKUMAR, P., JAGANATHAN, R., KUMARAN RAJU, D.,  
Statistical Modelling and Prediction of Beach Profile Change :  
A Case of Coromandal Coast of Tamil Nadu, India 7-14
- MADHURAMMA, Ch., SAMBASIVA RAO, M.,  
Water Availability and Crop Management of the Nellore District, Andhra Pradesh, India 15-22
- GUHA, Bansari,  
Evolution of Rural Settlements in Sunderban: Nalua, a Case Study 23-30
- CHAND, Ramesh,  
Geography of Electoral Participation in Himachal Pradesh : A Spatial Perspective 31-44
- RAMANAIAH, Y. V.,  
Livestock : An Alternative Enterprise for Sustainable Development in Andhra Pradesh 45-54

GOPALAKRISHAN, K. S., SAKTHIVEL, M., KUMAR, Sunil, Soil-Physiography Relationship in Kodayar River Basin of Kanayakumari District for Land Use Planning	55-61
DEOSTHALI, Vrishali, IYER, Vijaya, Validation of Sinusoidal Model for Simulation of Diurnal Temperatures	63-70
NAGABHUSANAM, N., HARINATH REDDY, K., UGANDRA RAJU, H., Agricultural Land Use Efficiency of Nellore District, Andhra Pradesh	71-74
KUMAR, Pradeep, Impact of Water Table on Soil and Crops : Case Studay of a Village of Haryana	75-78
KUMARASWAMY, K., JAYAKUMAR, R., KAMARAJ, M., UNNIKRISHAN, K., Multivariate Hydrochemical Investigation in the Vaippar Basin, South India	79-86
OBITUARY - Prof. Khanderao Pralhad Kshirsagar	87-88

### Volume 19, 1, January 1997

MOHAPATRA, A. C., Economic Liberalisation, Affirmative Action and Social Justice	1-5
INDER JEET, Spatio-Temporal Analysis of Groundwater Balance in Eastern Haryana	7-16
SHARMA, T. C., Trends in Cropping Intensity in Karnataka : A Regional Profile	17-30
SARAVANABAVAN, V., Bicycle and Health: A Geo-Medical Study of Madurai City	31-37
JADHAV, M. G., Agricultural Development in Maharashtra : A Spatial Interpretation	39-45
BALA, Raj, Urbanisation in Rajasthan State: 1991	47-56
SINGH, Yadvinder, Eco-Degradation of Productive Life Support Environment as correleated to Agricultural Development in Puadh Region, Punjab	57-69
KRISHAN, Gopal, Population Geography in India	71-82
BOOK REVIEW	83-88
OBITUARIES - Prof. Indra Pal	89
K. Sircar	90

### Volume 19, 2, July 1997

MEHTA, Swarnjit, Mapping for District Planning : Some Conceptual Issues	1-6
--	-----

SHARMA, V. N., Industrial Complex and Regional Developments : A Case of Bhilai Industrial Complex (M. P., India)	7-18
PRAGATHI, P. S., RAMANAJAH, Y. V., Irrigation Orientation and Combination in Andhra Pradesh, India	19-26
GOLE, Swati, Geochemical Mass Balance in a Small Watershed in the Seasonal Tropical Region of the Western Ghats: The Case of a Tributary in the Source Region of Koyna, India	27-40
SHARMA, T. C., How Green is the Green Revolution in Karnataka? A Regional Inquiry	41-54
OLOGUNORISA, Temi E., On the Principles, Methods and Problems of Classification and Regionalization in Geography	55-62
KANTH, T. A., BHAT, Mohd. Yousuf, Environmental Impact Assessment of Tourism : A Case Study of Dal Lake (Kashmir)	63-74
SACHINDER, Crimes in an Urban Society : A Case Study of Rohtak Town	75-86
 <b>Volume 20, 1, January 1998</b>	
GUPTA, M. P., SHARMA, Sarla, Flood Situation in Raipur District, Madhya Pradesh, India	1-10
SINGH, Nina, Recent Developments in Agriculture: The Haryana Experience	11-18
THAKUR, L. N., TIWARY, J. R., Land Irrigability Classification of the Harsidhi Block under East Champaran District of Gandak Commad, Bihar	19-26
SHARMA, T. C., Recent Trends in Area, Yield and Production of Cereals in Karnataka : A Regional Analysis	27-36
GUPTA, J. K., Urbanisation in Punjab - Issues and Strategies	37-48
DEVIKAR, A. A., DATYE, V. S., Comparative Costs of Milk Production in Relation to the Strength of Milch Cattle in a Dairy Farm : A Case Study of Baramati Tahsil	49-61
PANDIT, Surekha, Efficient Routing for Garbage Disposal in Nagpur City	63-67
GANDHI, S., BANERJEE-GUHA, S., Structure and Composition of Manufacturing in Greater Bombay	69-81
SRINIVASULU, S., NAGABHUSHANAM, N., An Assessment of Groundwater Resources in the Villages of Gollapalle and Nampalle, Chittoor District, Andhra Pradesh	83-91

**Volume 20, 2, July 1998**

DIKSHIT, K. R. Editorial	1-4
DIKSHIT, K. R. Major James Rennel's 'Memoir of a Map of Hindoostan or the Mogul's Empire' : Cartography in the service of the British Empire	5-20
FRANCIS E. BISONG Generating Revenue for local governments through the use of local resources: Lessons for local governments in cross river state, Nigeria	21-32
INDER JEET Impact of the river Yamuna on groundwater regime in Eastern Haryana-India	33-41
SECRETARY A Report of the XIXth IIG Meet	42
Dr. (Mrs.) DIKSHIT, JUTTA Chronological Index of Contents of Transactions of the IIG	43-66
AUTHOR INDEX	67-79
BOOK REVIEW	

OBITUARIES OF	YEARS	WRITTEN BY
Prof. ANAS, Mohammad,	5, 2, 1983:195	K. R. Dikshit
Prof. AYER, N. P.,	1, 1, 1979:87	K. R. Dikshit
Prof. CHATTERJEE, S. P.,	11, 2, 1989:76	K. R. Dikshit
Prof. DESAI, Ambubhai T.,	15, 1, 1993:106	K. R. Dikshit, Dave
Prof. GOLLERKERI, R. S.,	14, 2, 1992:180	K. R. Dikshit
Prof. KAMARKAR, P. R.,	17, 2, 1995:171	S. C. Gupte
Prof. KSHIRSAGAR, K. P.,	18, 2, 1996:87	K. R. Dikshit
Prof. KURIYAN, George,	6, 1, 1984:195	K. R. Dikshit
Prof. PAL, Indra,	19, 1, 1997:89	H. D. Sharma
Prof. PRAKASH RAO, V. L. S.,	15, 1, 1993:105	C. D. Deshpande
Prof. RAZA, Moonis,	17, 1, 1995:67	K. R. Dikshit
Prof. SHARMA, Mamta,	16, 1, 1994:97	K. R. Dikshit
Ms SHROTRI, E.,	16, 1, 1994:97	K. R. Dikshit
Prof. SIRCAR, P. K.,	19, 1, 1997:90	Swarnajit
Prof. SOPHER, David Edward,	6, 2, 1984: 95	B. L. Bhatt
Prof. SUBRAHMANYAM, V. P.,	11, 2, 1989:78	K. R. Dikshit
Prof. WAGH, Dinkar M.,	14, 2, 1992:179	V. S. Kale