

# WESTERN GHATS CATALOGUE OF REPORTS, REPRINTS AND BOOKS



March 1986

TECHNICAL REPORT NO. 6

ENVIS CENTRE

Centre for Ecological Sciences

Indian Institute of Science

Bangalore-560 012

INDIA

# REPORTS

1. ABRAHAM, A.

The plant wealth of the Western Ghats and the need for their conservation. pp.16

- 2. ALL INDIA HANDICRAFTS BOARD, NEW DELHI
  A paper on handicrafts for discussion in seminar on development of Malnad areas of Western Ghats in Karnataka. pp.3.
- 3. BUREAU OF ECONOMICS AND STATISTICS, GOVI OF KARNATAKA BANGALORE (1979)
  Statistical Abstract of Karnataka 1976-77. pp.360.
- 4. CENTRAL GROUND WATER BOARD, DEPT OF IRRIGATION, GOVI OF INDIA (1983)

  Hydrogeological and hydrochemical data of national hydrograph network stations in southern region. Part IV: Karnataka. pp.31 plus annexures, figures and maps.
- 5. CENIRE FOR ECOLOGICAL SCIENCES, INDIAN INSTITUTE OF SCIENCE, BANGALORE (1984)
  First Annual Progress Report. pp.108.
- 6. CENIRE FOR ECOLOGICAL SCIENCES, Indian Institute of Science, Bangalore.
  Report on meeting at Bangalore to discuss river valley project. 8th July 1985
- 7. CENIRE FOR WATER RESOURCES DEVELOPMENT AND MANAGEMENT SURFACE WATER DIVISION (1981)

  A research project proposal on Hydrology of Elas of Kerala State. pp.11.
- 8. CHAITOPADHYAY, S., VELAYUIHAM, S. AND GOWRI, K.
  Impact of Lanscape system on landuse in MangalamGayathri-puzha drainage basin, Western Ghats, Kerala.
  Centre for Earth Science Studies, Irivandrum. pp.8.
- 9. DAVIDAR, PRIYADARSHINI (1980)

  An Ecological Reconnaissance of the Kudremukh Aroli-Gangamula tract of the Western Ghats, Karnataka.

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- 10. DEPARTMENT OF ECONOMICS AND STATISTICS, GOVI OF KERALA (1985)

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- 11. DEPARIMENT OF ENVIRONMENT, GOVI OF INDIA (1982)

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  of India and the Govt of Kerala. pp.44.
- 12. DEPARTMENT OF ENVIRONMENT, GOVI OF INDIA (1984)
  Western Ghat Ecodevelopment Research programme. pp.31.
- 13. DEPARIMENT OF ENVIRONMENT, BOTANICAL SURVEY OF INDIA, SOUTHERN CIRCLE (1984)

Report of the project entitled 'Ecological impact studies with particular reference to change in forest land use vis-vis its impact on timber, fuel-wood supply and on the flora and fauna of Idukki region'. (April 1983 - April 1984). pp.49.

14. DEPARTMENT OF ENVIRONMENT, BOTANICAL SURVEY OF INDIA, SOUTHERN CIRCLE (1985)

Report of the project entitled 'Ecological impact studies with particular reference to change in forest land use vis-a-vis its impact on the flora and fauna of Idukki region. (June 1981 - March 1985).

- 15. DEPARIMENT OF ENVIRONMENI, GOVI OF INDIA
  Western Ghats: Ecodevelopment Action Research Programme.
  pp.27.
- DEPARTMENT OF ENVIRONMENT, GOVT OF INDIA

  Discussions on the project proposal entitled 'Ecological Survey of the primary vegetation of the Palni hills (Western Ghats); collection, maintenance and study of the germ plasm of wild relatives of certain cultivated plants imparting environmental training and education at the Anglade Institute of Natural History. pp.5.
- 17. DEPARIMENT OF RURAL DEVELOPMENT AND PANCHAYAT RAJ, KARNATAKA GOVI SECRETARIAT (1985)

Integrated development of Western Ghats region. Annual plan for 1984-85.

18. DIXII, D.V.

A note on Western Ghats Development Programme in Maharashtra.

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19. FOREST DEPARTMENT, GOVI OF MAHARASHTRA

Pilot project report for Afforestation of privately owned lands under shifting cultivation in the catchment area of Kayana dam in Satara district of Maharashtra State. pp.21 plus statements.

- 20. GADGIL, M. AND VASANIHARAJAN, V.N. (1980)

  Consolidated report of the project entitled 'Assessment of Ecological impact of man and his livestock on the forest ecosystem of Western Ghats of Karnataka. pp.12.
- 21. GOLE, PRAKASH
  A note on development of the lake district. pp.4.
- 22. GOPALAKRISHNAN, R.

  Ecological problems of the Western Ghats.
  Centre for Water Resources Development and Management,
  Kozhikode. pp.7.
- 23. GROOMBRIDGE, BRAIN (1983)

  Comments on the Rain forests of South west India and their herpetofauna.

  Preliminary draft. pp.17.
- 24. INAMDAR, ARUNDHATI AND BISWAS, R. (1984)
  Mahabaleshwar Panchgani: A Conservation Plan. pp.2.
- 25. JAMKHINDIKAR, M.M. Environmental Impact on wildlife resources of Melghat area of Maharashtra State. Paper presented at wildlife resources in Rural Development meeting/workshop at Hyderabad. pp.30.
- 26. JAYAKAR LIBRARY, UNIV OF POONA

  Fauna of Western Ghats. Bibliographic series-5.
  A Bibliography compiled by study of Western Ghats
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  University of Poona. pp.24.
- 27. KAPOOR, ANAND

  Rainwater harvesting programme on the Bhimashankar Plateau. pp.8.
- 28. KARNATAKA FORESI DEPARIMENI, GOVT OF KARNATAKA (1980) Proceedings of the Third Southern Silviculturists and forest research officers conference held between 3rd to 5th March 1980 at Dharwad. pp.148.
- 29. KARNATAKA FORESI DEPARIMENI, GOVI OF KARNATAKA (1985)
  Perspective plan for integrated development of
  Western Ghat region for VII Five year plan (1985-86
  to 1989-90)

- 30. KARNATAKA FOREST DEPARTMENT, GOVERNMENT OF KARNATAKA Mysore Forests. pp.32.
- 31. KARNIK, KUSUM AND KAPOOR, ANAND (1981)
  Bhimashankar Project: Program for 1981-82. pp.10.
- 32. KRISHNASWAMY, S. (Principal Investigator)

  Proposal for support of research from US held rupee funds entitled 'Analysis of endangered ecosystems in the Western Ghats'.
- 33. LAKSHMANA, A.C. and SUBRAMANIAN, C.K.

  Grassy patches in the Western Ghats of Karnataka with particular reference to Coorg.
  A report. pp.5.
- 34. MADRAS SCIENCE FOUNDATION, MADRAS (1985)

  Integrated environmental R and D programme on Kaveri
  Basin. A project proposal emanating from the recommendations of the Kodaikanal Workshop (Jan.10-12, 1985).
  On Kaveri Basin Ecodevelopment. pp.45 plus appendix.
- 35. MAN AND THE BIOSPHERE PROGRAMME, DEPI OF ENVIRONMENT GOVI OF INDIA (1982)

  Agenda for the 21st meeting held on 3,8.82. pp.61.
- 36. MAN AND THE BIOSPHERE PROGRAMME (1982)
  DEPI OF ENVIRONMENT, GOVT OF INDIA

  Project proposal entitled 'Studies of Natural forest
  in Southern-Western Ghats and their long term conservation potential by S.C. Nair. Additional agenda item
  for the 21st MAB Programme meeting 3.8.82.
- A training programme in Environmental awareness and nature conservation. A report. pp.20.
- 38. MENON, I. MADHAVA

  Development of Agriculture and Horticulture on the Western Ghats: An overview of some policy implications. pp.13.
- 39. MINISIRY OF FOOD AND AGRICULTURE, GOVI OF INDIA (1959)
  Annual Report of the Soil Conservation, Research,
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- 40. MOHANDAS, M
  - A note on the impact of human settlements on forest Ecology in Wynad district in Kerala. pp.14.
- 41. MUNIYANDI, K. AND NATARAJAN, R. Structural comparison of Pichavaram mangrove forest with few other mangrove forests of the world. pp.24.
- 42. MURALIDHARAN, P V S S K et al Water balance studies and its applications in soil moisture storage. Centre for Earth Science Studies, Trivandrum. pp.6.
- 43. NAMBIAR, RAGHAVAN

  Ecological factors to be considered in the process of impact analysis. pp.12.
- 44. NILGIRI WILDLIFE ASSOCIATION, OOIACAMUND (1981)
  Annual Report 1980-81. pp.17.
- 45. NILGIRI WILDLIFE ASSOCIATION, OOTACAMUND (1982)
  Annual Report 1981-82. pp.24.
- 46. PLANNING COMMISSION, GOVI OF INDIA (1981)
  Report of the Western Ghats Water Resources Study
  Committee. pp.140 plus maps.
- 47. PLANNING COMMISSION, GOVI OF INDIA (1984)
  Report of the area sub group on Western Ghats.
  pp.55 plus annexures.
- 48. PLANNING COMMISSION, GOVI OF INDIA (1984)
  Summary record of discussion of the first meeting of the Advisory Committee on Development of Western Ghats region. pp.5.
- 49. PLANNING COMMISSION, GOVI OF INDIA (1984)

  The next phase in planning for Western Ghats Development. pp.10.
- 50. PLANNING COMMISSION, GOVI OF INDIA (1985)
  Western Ghats Development Programme Approach to
  the seventh five year plan, 1985-90. pp.17.

52. PRABHOO, N.R. AND PAI, C.G.A. (1984)

Soil fauna changes consequent to fire in the forest floor at Ponmudi-Kallar in the Western Ghats in Kerala.

Paper presented at the Seminar on Eco-development of Western Ghats held at KFRI, Peechi, Oct. 7-18, 1984. pp.5.

53. RAI, S,N. (1979)

Gap Regeneration in wet evergreen forest of Karnataka. Karnataka forest department research paper, KFD-2, pp.16.

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Livestock, grazing lands, grazing practices, stall feeding etc. of Periyar-Thodupuzha drainage basin. (A note on the activities of coordination cell for the period April 1983 to April 1984).

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56. RAMACHANDRAN, K.K. (1985)

Conclusions and Recommendations of Projects on:

- Impact of Idukki project on Physical systems of the Periyar - Thodupuzha drainage basin.
- 2. Coordination cell.
- 3. Study of human elements of environmental and ecological impacts of Idukki project. pp.32.
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Annual Report of the research project 'Study of forests and soils under different types of land use in Sringeri taluk, district Chikmagalur, Karnataka'. (July 1984-July 1985).

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lechnology transfer component of the Western Ghats
endangered ecosystem study (Appendix A).
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60. STATE COMMITTEE ON SCIENCE AND TECHNOLOGY, GOVI OF KERALA (1982)

A first report on the State of Environment in Kerala. pp.36.

61. TAMILNADU AGRICULTURAL UNIVERSITY CENTRE, FORESTRY RESEARCH STATION, METTUPALAYAM

Brief summary of workdone on the project entitled: Seed Technology of horticultural forestry and plantation crops. pp.6 plus tables.

- 62. IAMILNADU FOREST DEPARIMENI, GOVI OF IAMILNADU (1972)

  Administration report of the Tamilnadu Forest Department for the year 1969-70. pp.58.
- 63. TAMILNADU FOREST DEPARTMENT, GOVI OF TAMILNADU (1982)
  Administration report of the Tamilnadu Forest Dept.
  for the year 1978-79. pp.67.
- 64. IAMILNADU FOREST DEPARTMENT, GOVI OF TAMILNADU (1984)
  Administration Report of the Tamilnadu Forest Dept.
  for the year 1979-80. pp.113.
- 65. THIGALE, S.S. AND POWAR, K.B.

  Hydrology of the Indrayani, Mula-mutha and Karha
  river basins, Western Maharashtra, pp.7.
- 66. IHRIVIKRAMAJI, K.P. (1985)
  River metamorphosis due to human intervention in the Neyyar basin, Kerala.
  Department of Geology, University of Kerala. pp.95.
- 67. IILAK, B.D.

  A note on formulation of programmes under the Western Ghats development project (WGD≱).
- 68. TOWN AND COUNTRY PLANNING ORGANISATION, GOVT OF INDIA Western Ghats Region, Goa, Sub-regional plan. pp.189.
- 69. IOWN AND COUNTRY PLANNING ORGANISATION, GOVI OF INDIA (1981)

  Western Ghats Regional Plan Kerala Subregion. Vol.One: Development Perspective and strategy. pp.102.
- 70. IOWN AND COUNTRY PLANNING ORGANISATION, GOVT OF INDIA (1981)

  Western Ghats Regional Plan. Kerala sub-region. Vol. Two: Sectoral studies. pp.524.

- 71. FOWN AND COUNTRY PLANNING ORGANISATION, GOVI OF INDIA (1982)

  Outline Development Plan for Western Ghats Region.
- 72. ICWN AND COUNTRY PLANNING ORGANISATION, GOVT OF INDIA (1983)
  Western Ghats Region. Karnataka Sub-Regional Plan. pp.438.
- 73. IOWN AND COUNTRY PLANNING ORGANISATION, GOVI OF INDIA (1984)
  Western Ghats Region
  Maharashtra Sub-regional plan. pp.301.
- 74. TOWN AND COUNTRY PLANNING ORGANISATION, GOVI OF INDIA (1984)
  Western Ghats region. Tamilnadu Sub-Regional plan. pp.298.
- 75. IRISAL, C.L. AND RAMANATHAN, N.L. (1983)
  Idukki hydroelectric project in Kerala: An overview of environmental impact assessment studies.
  Department of Environment, Govt of India. pp.21.

RESEARCH PROPOSALS FOR COORDINATED RESEARCH PROJECTS IN THE WESTERN GHATS REGION

THE GLOTHING COLUMN		
S1. No. 1	Project Title	Principal Investigator/ Organization 3
1.	Studies of the quality of water resources of the Western Ghats (Kerala Region)	S.A. Abbasi Water Quality and Environ- ment Division, Centre for water resources develop- ment and management, Kunnamangalam P.O. Calicut.
2.	Effect of effluents discharged from biocide industries as well as agricultural run off containing bio ides on living organisms in some of the major river basins of the Western Ghats.	K.P. Balakrishnan School of Environmental Studies, University of Cochin, Cochin.
3,	Ecodevelopment of six villages in Panshet catchment area.	V.G. Bhide University of Poona Pune.
4.	Operational Research Project for providing drainage and adoption of scientific water manage- ment practices in the rice fields of Wynad for successful cultivation of high yielding varie- ties of rice and of pulses and oilseeds.	Centre for Water Resources Development and Management, Kozhikode.
5.	Studies on the hydrologic environment of tribals of Wynad and Attappady regions of the Western Ghats.	Centre for Water Resources Development and Management, Kozhikode.
6.	Integrated ecological and hydrological studies of the Chaliyar river basin aquatic ecosystem.	Centre for Water Resources Development and Management, Kozhikode.

Centre for Water Resources Development and Management,

Kozhikode.

Impact of deforestation on hydrologic parameters in the Western Ghats region of Kerala

7.

The state of the s

- 8. Conservation and Development of water resources (the Western Ghats, Kerala)
- 9. Watershed studies on landuse effects
- 10. Agro-climatological studies on rubber in the Western Ghats region of Kerala
- 11. Impact of irrigation projects on forest-Western Ghats-Bharathapuzha basin
- 12. Study on drainage investigations in humid tropics
- 13. Resources corstraints, productivity and environment in Western Ghats with special reference to soil and water management
- 14. Study of flourides, iodine, boron, nitrate and heavy metals present in the various types of waters available in the Western Ghats.
- 15. A study of Environmental, Political, Economic and Socio-religious conditions of the Paniya tribe of the North Wynad.
- 16. Monitoring Environmental hazards among populations around industrial growth in Pune-Bombay sector(A prospective study).
- 17. Setting up of our ecological task force for afforestation and soil conservation in catchment of Koyna, Satara district, Maharashtra State.

Centre for Water Resources Development and Management, Kozhikode.

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P.L. Chackochan, Departments of History and Mathematics, Bharatha Matha College, Cochin.

M.R. Chakravarthy M A C S Research Institute, Law College Rd., Pune.

Chief Conservator of Forests, Maharashtra State, Pune.

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18. Scheme for research on medicinal plants and tropical pines.

Dean, Faculty of Horticulture, Tamilnadu Agricultural University, Coimbatore.

19. Long term environmental and ecological studies of Pooyamkutty hydroelectric project Western ghats of Kerala-Pre construction stage analysis

Director, Kerala Forest Research Institute, Peechi P.O. Trichur, Kerala.

20. Supplement to the research project entitled: 'Shifting cultivation in Western Maharashtra and the adjacent areas, and its impact on environment.

K.R. Dixit, Department of Geography, Univ. of Poona, Pune-411 007.

21. Effect of mining on soil microflora, enzymes and soil fertility.

Joe D'Souza, Centre for Postgraduate instruction and research, Panjim, Goa.

22. Survey of fauna and flora at Canacona, quepem, San-guem Sattari and studying the effect of mining and deforestation and spotting the endange.ed. species.

Avita Fernandes Dept of Biology, MES College, Vasco da Gama Goa.

23. Eco-development of Jawan and other nine villages in the catchment area of Pawna dam.

Jagdish Godbole, Pune

24. Conservation of Biological Diversity of Western Ghats with special emphasis on animal genetic resources (revised).

S.N. Hegde Dept of Biosciences, Mangalore University Mangalore.

25. Studies on Sediment yields from watersheds of Western Ghats region

E.J. James, Centre for Water resources Development and Management, Kozhikode.

26. Soil Erosion and erosional rates in the Western Ghats zone.

S.R. Jog, S. Gole and L. Vaigees, Dept of Geography, Univ. of Poona, Pune.

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A.J.T. Johnsingh, Bombay Natural History Society, Bombay.

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- 27. Food habits and ranging behaviour of Nilgiri langur in Mundanthurai Plateau, Tamilnadu.
- 28. Assessment of the performance and improvement of the effectiveness of Girijan Co-operatives in the Western Ghats region of Kerala
- C.A. Jos College of Cooperation and Banking Communication Centre, Mannuthy
- 29. Impact of Irrigation projects on environment in the Western Ghats of South Maharashtra.
- G.V. Joshi, S.D. Shinde and Jai Samant, Shivaji Univ. Kolhapur.
- 30. A study of the alluvial deposits and their degradation in Pravara and pushpavati basins of Maharashtra.
- Vishwas S Kale Dept of Geography, Univ of Poona, Pune-411 007.
- 31. Environmental degradation and increase in culturable waste lands. A case study of Mawal taluka of Pune district Maharashtra (1985).
- P.R. Karmarkar School of Environmental Science, Univ. of Poona, Pune.
- 32. Survey and Conservation of the Marine turtle resources of Karnataka Coast.
- M.N. Madhyastha Dept of Biosciences Mangalore University Konaje, Mangalore-574152.
- 33. Western Ghats Research Project: Newspaper clippings service.
- S.G. Mahajan Jayakar Library Univ. of Poona, Pune.
- 34. Ecological Survey of the primary vegetation of the Palni (Pulney) hills (Western Ghats), Collection, maintenance and study of the germplasm of wild relatives of certain cultivated species, imparting of environmental training and education at the Anglade Institute of Natural History.
- K.M. Mathew The Rapinat Herbarium St. Joseph's College Tiruchirapalli.

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35. Biological Environment of Kali river hydel project area.

V.B. Nadkarni Dept of Zoology Karnatak University Dharwad.

36. A survey and studies on biology of endangered species of amphibians of Western Ghats-Karnataka area.

V.B. Nadkarni and M A Hooli Dept of Zoology Karnatak Univ, Dharwad.

37. Effects of large engineering works on man and his environment Raghavan Nambiar Engineering College, Trichur

38. An environmental impact assessment of human activities and conservative action model on natural and seminatural ecosystems in Western Ghats in Tamil Nadu.

Kailash Paliwal
School of Biological
Sciences, Madurai Kamaraj
Univ., Madurai.

39. Environmental monitoring in Alagar hills, a tropical rain forest in Madurai district, India.

I.J. Pandian and S. Mathavan School of Biological Sciences Madurai Kamaraj University Madurai.

40. Integrated approach for the utilization of Bio-logical resources for sustained production of commercially important fish.

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41. Bhimashankar Forest Evaluation

Vijay P Paranjpye Dept of Economics, Ness Wadia College of Commerce Pune.

42. Comprehensive alternatives for replacing shifting cultivation in the Western Ghats.

Vijay Paranjpye and A.V. Gogte Pune.

43. Anthropo-Ecological study of tribal development in Kerala.

K.K. Ramachandran Centre for Earth Science Studies, Sasthamangalam Trivandrum.

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H: Ramachandra Swamy Shri J C B M College Sringeri.

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- 44. Study of organic productivity, nutrient cycling and small watershed hydrology in natural forests and in monoculture plantations in Chickmangalur district, Karnataka.
- 45. Status of natural forests in Southern Western Ghats and their long-term conservation potential.

  Request for funds from MAB-India.
- 46. Ecodevelopment of Western Ghats. Management of minor forest produces and the tribal communities in Kerala.
- 47. Ecodevelopment of Western Ghats: Input and output prices of forest based industries in Kerala.-A case study with special reference to the role of subsidies.
- 48. Studies on the Ecodevelopment of Western Ghat region of Goa.
- 49. Effect of mining on the ecosystems in Sanguem and Sattari Taluka, Goa.
- 50. Survey on identification of location specific environmental problems in Nilgiris range of Western Ghats region.
- 51. Environmental education and awareness in the western ghats region.

S. Sathischandran Nair Trivandrum.

Shankaranarayanan Dept of Applied Economics Univ. of Cochin.

K.C. Shankaranarayanan Dept of Applied Economics Univ of Cochin.

S.M. Shetty, F.B. Antao and G.V. Nadkarni Dhempe College of Arts and Science, Panaji, Goa.

S.M. Shetty Dept of Biology, Dhempe College of Arts and Science, Panaji.

V.S. Subramanyan
Dept of Agricultural Extension and rural Sociology
Tamilnadu Agricultural
Univ., Coimbatore.

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- 52. Eco-development of Shirkoli and other villages/settle-ment (Padas) around Shirkoli in the Panshet dam catchment area (Mula Mutha Watershed).
- B.D. Tilak Centre for Application of Science and Technology for Rural Development, Pune.
- 53. Propagation of economically important plants of Western Ghats through tissue and organ culture.
- S.G. Iorne Dept of Botany, S P Chowgule College, Margoa, Goa.
- 54. Response of plant species to the mining sites situated at Pale and Sirigao.

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55. A proposal to study pollution and its effects caused by Industries on Thugabhadra river at Kumarpattanam, Ranibennur Taluka, Dharwad Dist., Karnataka.

Iransnational Centre for non-voilent social change Navajeevan, Dharwad.

56. Physico-chemical and Biological analysis of some lakes and reservoirs in Western Ghats with special reference to Pollution. Rakesh Kumar Irivedy
Dept of Environmental Pollution, Science College, Karad.

- 57. A coordinated study of the background and impact of deforestation on the socio economic conditions of village life and environment in Dakshina Kannada district.
- S. **U**dayashankar and others St. Aloysius College Mangalore.
- 58. Landslide susceptibilities due to tea and potato in parts of Coonoor taluk, Nilgiris dist.
- R. Upendran Directorate of Geology and Mining, Guindy, Madras.
- 59. Ethnobotanical and floristic V.D. Vartak studies on water catchment Maharashtra areas of Khadakwasla, Pansh- for the Content and Varasgaon along the western ghats, Pune district Maharashtra state.
- V.D. Vartak
  Maharashtra Association
  for the Cultivation of
  Science, Pune.
- 60. Integrated limnological and Watershed studies in the Sasthamkotta lake area.
- S. Vasudev, State Committee on Science, Technology and Environment (Kerala), Trivandrum.

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3. CHAVADI, V.C. AND GOKHALE, N.W.

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4. CHENNAVEERAIAH, M.S. et al

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9. NAIR, P.N.

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10. PARULEKAR, A.H., ANSARI, Z.A. AND INGOLE, B.S. (1984)

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## 11. PRASAD et al

A system of Biosphere Reserve for Western Ghats of Karnataka

Centre for Theoretical Studies, Indian Institute of Science, Bangalore-560012.

12. PURI, G.S. AND MAHAJAN, S.D. (1960)

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13. RAI, S.N. (1978)

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