

## VI. REFERENCES

- Abbas, N. & Subramanian, V., 1984. Erosion and sediment transport in the Ganges river basin (India). *Journal of Hydrology* 69: 173-182.
- Alford, D., 1987. *Water Resources of the Nepal Himalaya: Spatial Variations*. Unpublished report, 23 pp.
- Alford, D., 1988a. *Water Resources Management in the Hindu-Kush-Himalayan Region*. EAPI-EWC, Honolulu, Hawaii, 89 pp.
- Alford, D., 1988b. *Water Resources Research and Development at ICIMOD: a Discussion Paper*. Unpublished Report, ICIMOD, Kathmandu, 39 pp.
- Anonymous, 1974. Sediment data on River Valley Projects taken up for watershed management. *Soil Conservation Digest* 12: 80-81.
- Anonymous, 1977. Operational project in the catchment of Sukhna Lake-Chandigarh. Pp. 197-200 in *Annual Report 1977*. Central Soil and Water Conservation Research and Training Institute, Dehradun.
- Anonymous, 1981a. *Report from India*. In: Joint UNESCO-WMO International Conference on Hydrology and Scientific Bases for the Rational Management of Water Resources, August 18-27, 1981, Paris. UNESCO, Paris.
- Anonymous, 1981b. Operational research project on watershed management at Fakot-Dehradun. Pp. 131-133 in *Annual Report 1981*. Central Soil and Water Conservation Research and Training Institute, Dehradun.
- Anonymous, 1987. *Watershed and Forest Management. Two Case Studies from India*. Society for the Promotion of Wasteland Development, New Delhi, 57 pp.
- Anonymous, 1984. Operational research project on watershed management at Fakot-Dehradun. Pp. 182-183 in *Annual Report 1984*. Central Soil and Water Conservation Research and Training Institute, Dehradun.
- Bagchi, A.K., 1982. Orographic variation of precipitation in a high-rise Himalayan basin. *International Association of Hydrological Sciences Publication* 138: 3-9.
- Bahadur, P., Chandra, S. & Gupta, D.K., 1980. Hydrological studies on experimental basins in the Himalayan region. *International Association of Hydrological Sciences Publication* 130: 163-170.
- Bajracharya, D., 1983. Deforestation in the food/fuel context: historical and political perspectives from Nepal. *Mountain Research and Development* 3: 227-240.
- Balla, M.K., 1988a. *Establishment of a paired watershed study to estimate the impact of cultivating marginal lands on the production of sediments and runoff in Nepal*. Unpublished Report, Institute of Forestry, Pokhara, 13 pp.
- Balla, M.K., 1988b. Application of the Universal Soil Loss Equation (USLE) to estimate soil loss in Phewa Tal watershed. *Forestry (Nepal)* 10: 10-18.
- Bandyopadhyay, J. & Shiva, V., 1987. Devastating the Doon Valley. *India Today* June 1987: 67-75.
- Bansal, R.C. & Mathur, H.N., 1976. Landslides, the nightmare of the hill roads. *Soil Conservation Digest* 4: 36-37.
- Bansode, R.B. & Pradhan, S.R., 1975. Landslides in Nepal Himalaya and their influence on the Kosi Dam. Pp. 247-254 in *Proceedings of the Seminar on Landslides and Toe Erosion Problems with Special Reference to Himalayan Region, Gangtok, Sikkim*. Indian Society of Engineering Geology, Calcutta.
- Bhushan, L.S. & Prakash, Om, 1983. Runoff, soil loss under different cropping systems on 2 % slope. Pp. 78-79 in *Annual Report 1983*. Central Soil and Water Conservation Research and Training Institute, Dehradun.

- Biksham, G. & Subramanian, V., 1988. Sediment transport of the Godavari river basin and its controlling factors. *Journal of Hydrology* 101: 275-290.
- Blackie, J.R., 1979a. The water balance of the Kimakia catchments. *East African Agricultural and Forestry Journal* 43: 155-174.
- Blackie, J.R., 1979b. The water balance of the Kericho catchments. *East African Agricultural and Forestry Journal* 43: 55-84.
- Bosch, J.M. & Hewlett, J.D., 1982. A review of catchment experiments to determine the effect of vegetation changes on water yield and evapotranspiration. *Journal of Hydrology* 55: 3-23.
- Bowonder, B., 1982. Deforestation in India. *International Journal of Environmental Studies* 18: 223-236.
- Brandt, J., 1988. The transformation of rainfall energy by a tropical rain forest canopy in relation to soil erosion. *Journal of Biogeography* 15: 41-48.
- Brunnsden, D., Jones, D.K.C., Martin, R.P. & Doornkamp, J.C., 1981. The geomorphological character of part of the Low Himalaya of Eastern Nepal. *Zeitschrift für Geomorphologie N.F. Supplement Band* 37: 25-72.
- Bruijnzeel, L.A., 1983. Evaluation of runoff sources in a forested basin in a wet monsoonal environment: a combined hydrological and hydrochemical approach. *International Association of Hydrological Sciences Publication* 140: 165-174.
- Bruijnzeel, L.A., 1986. Environmental impacts of (de)forestation in the humid tropics: a watershed perspective. *Wallaceana* W46: 3-13.
- Bruijnzeel, L.A., 1987. *Forest hydrology in Indonesia: challenges and opportunities, with special reference to the effect of land use on water yield*. Paper presented at the Workshop on "Results of hydrological and erosion research within the framework of watershed management", Batu-Malang, 8-10 December, 1987, 25 pp.
- Bruijnzeel, L.A., 1989a. Moist Tropical Forest nutrient cycling : the hydrological framework. Pp. 383-417 in J. Proctor (ed.). *Mineral Nutrients in Tropical Forest and Savanna Ecosystems*. Blackwells, Oxford (in press).
- Bruijnzeel, L.A., 1989b. (De)forestation and dry-season flow in the tropics: a closer look. *Journal of Tropical Forest Science* 1 (in press).
- Byers, A. C., 1987. Landscape change and man-accelerated soil loss: the case of the Sagarmatha (Mt. Everest) National Park, Khumbu, Nepal. *Mountain Research and Development* 7: 209-216.
- Caine, N. & Mool, P.K., 1982. Landslides in the Kolpu Khola drainage, Middle Mountains, Nepal. *Mountain Research and Development* 2: 157-173.
- Calder, I.R., 1982. Forest evaporation. *National Research Council of Canada Publication no.* 20548: 173-193.
- Calver, A., Kirkby, M.J. & Weyman, D.R., 1972. Modeling hillslope and channel flows. Pp. 197-220 in R.J. Chorley (ed.) *Spatial Analysis in Geomorphology*, Methuen, London.
- Carson, B., 1985. *Erosion and Sedimentation Processes in the Nepalese Himalaya*. ICIMOD Occasional Paper No. 1. International Centre for Integrated Mountain Development, Kathmandu, Nepal, 39 pp.
- Carson, B., Shah, P.B. & Maharjan, P.L., 1986. *The Soil Landscapes of Nepal*. Land Systems Report, Kenting Earth Sciences Limited, Ottawa, 200 pp.
- Chakrabarti, D.C., 1971. Investigation on erodibility and water stable aggregates of certain soils of eastern Nepal. *Journal of the Indian Society of Soil Science* 19: 441-446.

- Chinnamani, S. & Sakthivadivel, R., 1985. Hydrologic characteristics of a watershed under urbanisation. *Indian Journal of Soil Conservation* 13:47-50.
- Chow, V.T., 1964. *Handbook of Applied Hydrology*. McGraw-Hill, New York.
- Chyurlia, J.P., 1984. *Water Resources Report*. Land Resources Mapping Project, Kenting Earth Sciences Limited, Ottawa, 273 pp.
- Coleman, J.M., 1969. Brahmaputra River: Channel processes and sedimentation. *Sedimentary Geology* 3: 129-239.
- Currey, B., 1984. Fragile mountain or fragile theory. *ADAB News*, November-December 1984: 7-13.
- Dabral, B.G. & Subba Rao, B.K., 1968. Interception studies in chir and teak plantations - New Forest. *Indian Forester* 94: 541-551.
- Dalal, S.S., Ullah, W. & Singh, B., 1961. Fires in relation to watershed management. Pp. 236-241 in *Proceedings of the Xth Silvicultural Conference*, Dehradun.
- Das, D.C., 1977. Soil conservation practices and erosion control in India - a case study. *FAO Soils Bulletin* 33: 11-50.
- Das, D.C., & Maharjan, P.L., 1988. *Terracing in the Hindu Kush-Himalaya: a Reassessment*. Working Paper no. 10. International Centre for Integrated Mountain Development, Kathmandu, Nepal.
- Das, H.P., Singh, D.K. & Sharma, H.N., 1987. Meghalaya-Mikir Region. Pp. 676-697 in R.L. Singh (Ed.), *India, a Regional Geography*. National Geographical Society of India, Varanasi, 992 pp.
- Das, K.N., 1968. Soil erosion and the problem of silting in the Kosi catchment. *Journal of Soil and Water Conservation in India* 16: 60-67.
- Dhar, O.N., Soman, M.K. & Mulye, S.S., 1982a. Distribution of rainfall in the Himalayan and Sub-Himalayan regions during "breaks" in monsoon. Pp. I-22 to 26 in *Proceedings of the International Symposium on Hydrological Aspects of Mountainous Watersheds*, Roorkee, November 4-6, 1982. Manglik Prakashan, Saharanpur, 490 pp.
- Dhar, O.N., Mandal, B.N. & Kulkarni, A.K., 1982b. A study of heavy rainfall over the Gang basin up to Hardwar. Pp. I-70 to 78 in *Proceedings of the International Symposium on Hydrological Aspects of Mountainous Watersheds*, Roorkee, November 4-6, 1982. Manglik Prakashan, Saharanpur, 490 pp.
- Dhar, O.N., Mandal, B.N. & Kulkarni, A.K., 1987. Some facts about precipitation distribution over the Himalayan region of Uttar Pradesh. Pp. 72-86 in Y.P.S. Pangtey and S.C. Joshi (eds.) *Western Himalaya (Environment, Problems & Development)*, Volume I. Gyanodaya Prakashan, Nainital. 455 pp.
- Dittmann, E., 1970. Statistische Untersuchungen zur Struktur der Niederschlaege in Nepal. *Khumbu Himal* 7: 47-60.
- Dobremez, J.F., 1976. *Le Népal: Ecologie et Biogéographie*. Editions du Centre National de la Recherche Scientifique, Paris. 356 pp.
- Domroes, M., 1979. Temporal and spatial variations of rainfall in the Himalaya with particular reference to mountain ecosystems. *Journal of the Nepal Research Centre* 2/3: 49-67.
- Du, R.H. & Zhang, S.C., 1981. Characteristics of glacial mudflows in southeastern Qinghai-Xizang plateau. Pp. 1837-1842 in D.S. Liu (ed.) *Geological and Ecological Studies of Qinghai-Xizang Plateau*. Volume II, Science Press, Beijing, pp. 975-2138.
- Dunne, T., 1977. Evaluation of erosion conditions and trends. Pp. 53-84 in FAO. *Guidelines for Watershed Management*. FAO Conservation Guide 1, FAO, Rome, 293 pp.
- Dunne, T., 1978. Fieldstudies of hillslope flow processes. Pp. 227-294 in M.J. Kirkby (ed.). *Hillslope Hydrology*. J. Wiley and Sons, New York.

- Dunsmore, J.R., 1988. *Mountain Environmental Management in the Arun River Basin of Nepal*. ICIMOD Occasional Paper no. 9. International Centre for Integrated Mountain Development, Kathmandu, Nepal, 66 pp.
- Dutch Inland Water Transport Mission, 1982/3. *The Navigability of the National Waterway between Allahabad and Haldia*. Report on Technical Missions 1982-1983. Department of Development Cooperation. Ministry of Foreign Affairs. Government of the Netherlands. 204 pp.
- Dyhr-Nielsen, M., 1986. Hydrological effects of deforestation in the Chao Phraya basin in Thailand. *International Symposium on Tropical Forest Hydrology and Application*, Chiangmai, June 11-14, 1986, 12 pp.
- Eckholm, E., 1975. The deterioration of mountain environments. *Science* 189: 764-770.
- Edwards, K.A., 1979. The water balance of the Mbeya experimental catchments. *East African Agricultural and Forestry Journal* 43: 231-247.
- Eeles, C.W.O., 1979. Soil moisture deficits under montane rain forest and tea. *East African Agricultural and Forestry Journal* 43: 128-138.
- Euphrat, F.D., 1987. *A delicate Imbalance: Erosion and Soil Conservation in Pipal Chaur Watershed*, Kabhre Palanchok District, Nepal. M.Sc. thesis, University of California, Berkeley. 80 pp.
- Fetzer, K.D. & Jung, L., 1979. Factors affecting soil erosion by water within a research area of northwestern mountain ridge of Kathmandu valley. *Journal of the Nepal Research Centre* 2/3: 219-236.
- Fleming, W.H., 1988. Quantifying the impacts of watershed management on reservoir sedimentation rates. Appendix III to *Draft Consultant Report in Watershed Hydrology*. Department of Soil Conservation and Watershed Management, Kathmandu, 40 pp.
- Flohn, H., 1970. Beiträge zur Meteorologie des Himalaya. *Khumbu Himal* 7: 25-45.
- Fort, M.B. & Freitel, P., 1982. The Quaternary sedimentary evolution of the intra-montane basin of Pokhara in relation to the Himalayan Midlands and their hinterland (West Central Nepal). Pp. 91-96 in A.K. Sinha (ed.). *Contemporary Geoscientific Researches in Himalaya Volume 2*, Dehradun, India.
- Fort, M., White, P.G. & Shrestha, B.L., 1984. 1:50,000 geomorphic hazards mapping in Nepal. Pp. 186-194 in *Communications du Colloque "Mouvements de Terrain", Caen, March 1984*. Association Francaise de Géographie Physique.
- Fuchs, G., 1980. The Chail thrust and Chail nappes in the Himalaya. In: P.S. Saklani (ed.). *Himalayan Shears*. Himalayan Books, New Delhi.
- Galay, V., 1987. *Erosion and Sedimentation in the Nepal Himalaya. An Assessment of River Processes*. Ministry of Water Resources HMG Nepal. Report no. 4/3/010587/1/1 seq. 259.
- Gansser, A., 1961. *Geology of the Himalayas*. John Wiley, New York, 289 pp.
- Garczynski, F., 1982. Hydrological role of mountainous forest perceptible further than 100 km downstream. Pp. 479-489 in: *Proceedings of the Symposium on Hydrological Research Basins, Bern, September 1982*. Sonderheft Landes-hydrologie, Bern.
- Ghosh, R.C. & Subba Rao, B.K., 1979. Forests and floods. *Indian Forester* 105: 249-259.
- Ghosh, S.P., 1974. Effect of different fruit plants on runoff and soil loss at 11% slope - Dehra Dun. Pp.70-71 in *Annual Report 1974*. Central Soil and Water Conservation Research and Training Institute, Dehradun.
- Gilmour, D.A., 1987. *Reflections on resource availability and local institutions*. Discussion paper. Nepal-Australia Forestry Project, 12 pp.

- Gilmour, D.A., 1988. Not seeing the wood for the trees: a reappraisal of the deforestation crisis in two hill districts of Nepal. *Mountain Research and Development* 8:343-350.
- Gilmour, D.A., Bonell, M. & Cassells, D.S., 1987. The effects of forestation on soil hydraulic properties in the Middle Hills of Nepal: a preliminary assessment. *Mountain Research and Development* 7: 239-249.
- Gole, C.V. & Chitale, S.V., 1966. Inland delta building of Kosi River. *Journal of the Hydraulics Division ASCE* 92 HY2: 111-126.
- Goswami, D.C., 1985. Brahmaputra river, Assam, India: physiography, basin denudation, and channel aggradation. *Water Resources Research* 21: 959-978.
- Gregory, K.J. & Walling, D.C., 1973. *Drainage Basin Form and Process*. Edward Arnold, London, 456 pp.
- Guan, Z.H. & Chen, C.Y., 1981. Hydrographical features of the Yarlung Zangbo river. Pp. 1693-1704 in D.S. Liu (ed.) *Geological and Ecological Studies of Qinghai-Xizang Plateau*. Volume II, Science Press, Beijing, p. 975-2138.
- Gupta, G.P., 1975. Sediment production - status report on data collection and utilization. *Soil Conservation Digest* 3:10-21.
- Gupta, R.K., 1983. *The Living Himalayas. Volume 1. Aspects of Environment and Resource Ecology of Garhwal*. Today's & Tomorrow's Printers and Publishers, New Delhi, 378 pp.
- Gupta, R.K., Mishra, P.R., Shankar, P., Kaushal, R.C. & Sajwan, S.S., 1974. Studies on the effect of different land treatments on water yield in the Siwalik-Chandigarh. Pp. 18-21 in *Annual Report 1974*. Central Soil and Water Conservation Research and Training Institute, Dehradun.
- Gupta, R.K., Mishra, P.R., Mittal, S.P. & Singh, K., 1975. Effect of different land treatments on water yield in the Siwalik-Chandigarh. Pp. 15-17 in *Annual Report 1975*. Central Soil and Water Conservation Research and Training Institute, Dehradun.
- Gurung, B.N. & Lambert, J.L., 1977. Penman evaporation in Nepal. Paper presented at the Workshop on Winter Crops, Khumaltar, Nepal.
- Hagen, T., 1980. *Nepal*. Oxford and IBH Printing Press, New Delhi, 264 pp.
- Haigh, M.J., 1982. A comparison of sediment accumulations beneath forested and deforested micro-catchments, Garhwal Himalaya. *Himalayan Research and Development* 1:118-120.
- Haigh, M.J., 1984a. Landslide prediction and highway maintenance in the Lesser Himalaya, India. *Zeitschrift für Geomorphologie N.F. Supplement Band* 51: 17-37.
- Haigh, M.J., 1984b. Ravine erosion and reclamation in India. *Geoforum* 15: 543-561.
- Hamilton, L.S., 1987. What are the impacts of Himalayan deforestation on the Ganges-Brahmaputra lowlands and delta? Assumptions and facts. *Mountain Research and Development* 7: 256-263.
- Hamilton, L.S., with King, P.N., 1983. *Tropical Forested Watersheds. Hydrologic and Soils Response to major Uses or Conversions*. Westview Press, Boulder, Colorado, 168 pp.
- Hamilton, L.S. & Pearce, A.J., 1987. What are the soil and water benefits of planting trees in developing country watersheds? Pp. 39-58 in D.D. Southgate & F.F. Disinger (eds.). *Sustainable Development of Natural Resources in the Third World*. Ohio State University.
- Haroun-er-Rashid, 1977. *Geography of Bangladesh*. University Press Ltd, Dacca, 579 pp.
- Harr, R.D., 1980. Streamflow after patch logging in small drainages within the Bull Run municipal watershed, Oregon. *USDA Forest Service Pacific Northwest Forest and Range Experimental Station Research Paper* PNW 268, Portland, Oregon.

- Heuberger, H., Masch, L., Preuss, E. & Schrockner, A., 1984. Quaternary landslides in rock fusion in Central Nepal and in the Tyrolean Alps. *Mountain Research & Development* 4: 345-362.
- Hewlett, J.D., 1982. Forests and floods in the light of recent investigation. *National Research Council of Canada Publication no.* 20548: 543-559.
- Hewlett, J.D. & Fortson, J.C., 1983. The paired catchment experiment. Pp.11-14 in J.D. Hewlett (ed.). *Forest Water Quality*. School of Forest Resources, University of Georgia, Athens, Georgia.
- Hewlett, J.D. & Hibbert, A.R., 1963. Moisture and energy conditions within a sloping soil mass during drainage. *Journal of Geophysical Research* 68: 1081-1087.
- Hewlett, J.D. & Hibbert, A.R., 1967. Factors affecting the response of small watersheds to precipitation in humid areas. Pp. 275-290 in W.E. Sopper & H.W. Lull (eds.). *Forest Hydrology*. Pergamon, Oxford.
- Hewlett, J.D. & Nutter, W.L., 1970. The varying source area of stream-flow from upland basins. Pp. 65-83 in *Proceedings of the Symposium on Watershed Management*. American Society of Civil Engineers, New York.
- Hibbert, A.D., 1967. Forest treatment effects on water yield. Pp. 527-543 in W.E. Sopper & H.W. Lull (eds.). *International Symposium on Forest Hydrology*. Pergamon, Oxford.
- Higuchi, K., Ageta, Y. & Kodama, H., 1976. Water discharge of Imja Khola in Khumbu Himal. *Seppyo. Journal of the Japanese Society of Snow and Ice* 38: 22-26.
- Higuchi, K., Ageta, Y., Yasunari, T. & Inoue, J., 1982. Characteristics of precipitation during the monsoon season in high-mountain areas of the Nepal Himalaya. *International Association of Hydrological Sciences Publication* 138: 21-30.
- HMG Ministry of Water Resources, 1986. *Climatological Records of Nepal 1983-1984*. Volume I. Department of Irrigation, Hydrology and Meteorology, Kathmandu. 187 pp.
- Holeman, J.N., 1968. The sediment yield of major rivers of the world. *Water Resources Research* 4: 737-747.
- Horton, R.E., 1933. The role of infiltration in the hydrologic cycle. *Transactions of the American Geophysical Union* 14: 446-460.
- Hrabovsky, J.P. & Miyan, K., 1987. Population growth and land use in Nepal. "The great turnabout". *Mountain Research and Development* 7: 264-270.
- Hsia, Y.J., 1987. Changes in storm hydrographs after clearcutting at a small hardwood forested watershed in central Taiwan. *Forest Ecology and Management* 20:117-134.
- Hsia, Y.J. & Koh, C.C., 1983. Water yield resulting from clearcutting a small hardwood basin in central Taiwan. *International Association of Hydrological Sciences Publication* 140: 215-220.
- Hudson, N.W., 1971. *Soil Conservation*. Batsford, London, second edition, 320 pp.
- Hurni, H., 1982. Soil erosion in Huai Thung Choa - Northern Thailand. Concerns and constraints. *Mountain Research and Development* 2: 141-156.
- Impat, P., 1981. Hydrometeorology and sediment data for Phewa watershed: 1979 data. *Phewa Tal Technical Report* 15, Integrated Watershed Management Project. Department of Soil Conservation and Watershed Management, Kathmandu. 29 pp.
- Ives, J.D., 1986. *Glacial Lake Outburst Floods and Risk Engineering in the Himalaya*. ICIMOD Occasional Paper no. 5. International Centre for Integrated Mountain Development, Kathmandu, Nepal, 42 pp.

- Ives, J.D., 1987. The theory of Himalayan environmental degradation: its validity and application challenged by recent research. *Mountain Research and Development* 7: 189-199.
- Ives, J.D. & Ives, P. (eds.), 1987. The Himalaya-Ganges Problem. Proceedings of a conference. Mohonk Mountain House, New Palta, New York, 6-11 April, 1986. *Mountain Research and Development* 7: 181-344.
- Ives, J.D., Messerli, B. & Thompson, M., 1987. Research strategy for the Himalayan region. Conference conclusions and overview. *Mountain Research and Development* 7: 332-344.
- Iwata, S., Sharma, T. & Yamanaka, H., 1984. A preliminary report of Central Nepal and Himalayan uplift. *Journal of the Nepalese Geological Society* 14: 141-149.
- Jakhade, G.S., Murty, A.S. & Sethurathinam, S., 1984. Frequency floods in Brahmaputra Valley - regional flood frequency approach. *Irrigation & Power* 41: 41-47.
- Jangpangi, B.S., 1978. Stratigraphy and structure of Bhutan Himalaya. Pp. 221-242 in P.S. Saklani (ed.), *Tectonic Geology of the Himalaya*. Today and Tomorrow's Printers & Publishers, New Delhi, 340 pp.
- Jaykumar, M., Jeevarathnam, K. & Lakshmanan, V., 1978. Collection, collation and interpretation of data on major sub-watersheds in Nilgiris-Ootacamund. Pp. 24-28 in: *Annual Report 1978*. Central Soil and Water Conservation Research and Training Institute, Dehradun.
- Jaykumar, M., Jeevarathnam, K., Padmanabhan, V. & Pooraachandran, G., 1980. Hydrological behaviour of agricultural watersheds - Ootacamund. Pp. 41-45 in: *Annual Report 1980*. Central Soil and Water Conservation Research and Training Institute, Dehradun.
- Jaykumar, M. & Seshachalum, N., 1984. Studies on sediment and water yields and water quality of Coonor watershed. P. 92 in: *Annual Report 1984*. Central Soil and Water Conservation Research and Training Institute, Dehradun.
- Jha, P.K., Subramanian, V. & Sitasawad, R., 1988. Chemical and sediment mass transfer in the Yamuna river - a tributary of the Ganges system. *Journal of Hydrology* 104: 237-246.
- Johnson, K., Olson, E.A. & Manadhar, S., 1982. Environmental knowledge and response to natural hazards in mountainous Nepal. *Mountain Research and Development* 2: 175-188.
- Jones, J.A.A., 1981. *The Nature of Soil Piping - A Review of Research*. British Geomorphological Research Group. Research Monograph 3. Geobooks, Norwich, 301 pp.
- Kampen, J., Hari Krishna, J. & Pathak, P., 1981. Rainy season cropping on deep vertisols in the semi-arid tropics - effects on hydrology and soil erosion. Pp. 257-271 in R. Lal & E.W. Russell (eds.). *Tropical Agricultural Hydrology*. J. Wiley, New York.
- Katiyar, V.S. & Striffler, W.D., 1984. Rainfall variations in a small Himalayan watershed. *Indian Journal of Soil Conservation* 12: 57-64.
- Kattelman, R., 1987. Uncertainty in assessing Himalaya water resources. *Mountain Research and Development* 7: 279-287.
- Kaushal, R.C., Dayal, S.K.N. & Mishra, P.R., 1975. Study on the effect of closure with afforestation and gully control measures on runoff and peak discharge - Chandigarh. Pp. 57-59 in: *Annual Report 1975*. Central Soil and Water Conservation Research and Training Institute, Dehradun.
- Kayastha, B.P., 1988. Forest legislation and community participation in forestry. - Some case studies in Nepal. Expert Panel on Mountain Environmental Management. ICIMOD, Kathmandu, 1988.
- Khosla, A.N., 1953. Silting of reservoirs. *Central Board of Irrigation and Power of India Publication* 51, New Delhi, 203 pp.

- Khybri, M.L., 1983. Effect of various doses and duration of mulch on soil and water losses in maize. Pp. 42-43 in *Annual Report 1983*. Central Soil and Water Conservation Research and Training Institute, Dehradun.
- Khybri, M.L., Bhardwaj, S.P., Prasad, S.N. & Ram, S., 1978. Effect of minimum tillage and mulch on soil and water loss in maize on 8 % slope - Dehra Dun. Pp. 106-107 in *Annual Report 1978*. Central Soil and Water Conservation Research and Training Institute, Dehradun.
- Kienholz, H., Hafner, H., Schnieder, S. & Tamrakar, R., 1983. Mountain hazards mapping in Nepal's Middle Mountains: maps of land use and geomorphic damages (Kathmandu-Kakani area). *Mountain Research and Development* 3: 195-220.
- Kienholz, H., Hafner, H. & Schnieder, S., 1984. Stability, instability and conditional instability: mountain ecosystem concepts based on a field survey of the Kakani area in the Middle Hills of Nepal. *Mountain Research and Development* 4: 55-62.
- Kirkby, M.J. & Chorley, R.J., 1967. Throughflow, overland flow and erosion. *Bulletin of the International Association of Scientific Hydrology* 12: 5-21.
- Kizaki, K., 1987. *Geologic Map of Nepal, Scale 1:1,250 000*. Unpublished.
- Klaassen, G.J. & Vermeer, K., 1988. Channel characteristics of the braiding Jamuna River, Bangladesh. Pp. 173-189 in W.R. White (ed.). *International Conference on River Regime*. J. Wiley & Sons, New York.
- Laban, P., 1978. Field measurements on erosion and sedimentation in Nepal. *Integrated Watershed Management Project Working Paper* no. 5. Department of Soil Conservation and Watershed Management, Kathmandu, 30 pp.
- Laban, P., 1979. Landslide occurrence in Nepal. *Integrated Watershed Management Project Working Paper* no. 13. Department of Soil Conservation and Watershed Management, Kathmandu, 27 pp.
- Lakhera, R.C., 1982. Hydrological aspects of erosion on mountainous terrain - an example from the Himalayan region, India, based on photo-interpretation. *International Association of Hydrological Sciences Publication* 138: 343-350.
- Lal, V.B., Banerji, S. & Narayanan, J., 1977. Sediment yields in relation to drainage basin characteristics in some Indian river valley projects. *International Association of Hydrological Sciences Publication* 122: 93-97.
- Madduma Bandara, C.M. & Kuruppuarachchi, T.A., 1988. *Land-use change and hydrological trends in the Upper Mahaweli basin*. Paper presented at the Workshop on Hydrology of Natural and Man-made Forests in the Hill Country of Sri Lanka. Kandy, October, 1988, 18 pp.
- Mahat, T.B.S., Griffin, D.M. & Shepherd, K.R., 1986a. Human impact on some forests of the Middle Hills of Nepal. 1. Forestry in the context of the traditional resources of the state. *Mountain Research and Development* 6: 223-232.
- Mahat, T.B.S., Griffin, D.M. & Shepherd, K.R., 1986b. Human impact on some forests of the Middle Hills of Nepal. 2. Some major human impacts to 1950 AD on the forests of Sindhu Palchok and Kabhre Palanchok. *Mountain Research and Development* 6: 325-334.
- Mahat, T.B.S., Griffin, D.M. & Shepherd, K.R., 1987. Human impact on some forests of the Middle Hills of Nepal. Part 4. A detailed study in southeast Sindhu Palchok and Northeast Kabhre Palanchok. *Mountain Research and Development* 7: 111-134.
- Mahmood, K., 1987. *Reservoir Sedimentation. Impact, Extent and Mitigation*. Worldbank Technical Paper no. 71. World Bank, Washington D.C.



- Majupuria, T.C. & Majupuria, I., 1988. *Tibet. A Guide to Land of Fascination*. S. Devi, Lashkar. 358 pp.
- Malla, K.B., 1985. *Watershed Degradation in Nepal*. Report, National Remote Sensing Center/Nepal, Kathmandu, 12 pp.
- Manadhar, I.N. & Khanal, N.R., 1988. *Study on Landscape Processes with Special Reference to Landslides in Lele Watershed*, Central Nepal. De-partment of Geography, Tribhuvan University, Kathmandu, Nepal, 53 pp.
- Marston, R.A., 1988. Mass wasting in the Manaslu-Ganesh and Langtang-Jugal Himal of Central Nepal. P. 360 in *Proceedings of the 26th Congress of the International Geographical Union, Sydney, August, 21-26, 1988*.
- Mathur, H.N., Ram Babu, Joshie, P. & Singh, B., 1976. Effect of clearfelling and reforestation on runoff and peak rates in small watersheds. *Indian Forester* 102: 219-226.
- Mathur, H.N. & Sajwan, S.S., 1978. Vegetation characteristics and their effect on runoff and peak rates from small watersheds. *Indian Forester* 104: 398-406.
- Mehra, H.C. & Jain, B.C., 1982. Estimation of probable maximum precipitation depth for Ravi catchment up to Thin damsite. Pp. I-12 to I-16 in *Proceedings of the International Symposium on Hydrological Aspects of Mountainous Watersheds*, Roorkee, November 4-6, 1982. Manglik Prakashan, Saharanpur. 490 pp.
- Meijerink, A.M.J., 1974. *Photo-hydrological Reconnaissance Surveys*. International Training Centre for Aerial Survey and Earth Sciences (ITC), Enschede, the Netherlands, 371 pp.
- Milliman, J.D. & Meade, R.H., 1983. World-wide delivery of river sediment to the oceans. *The Journal of Geology* 91: 1-21.
- Mishra, B.K. & Ramakrishnan, P.S., 1983a. Slash and burn agriculture at higher elevations in north-eastern India. I. Sediment, water and nutrient losses. *Agriculture, Ecosystems and Environment* 9: 69-82.
- Mishra, B.K. & Ramakrishnan, P.S., 1983b. Slash and burn agriculture at higher elevations in north-eastern India. II. Soil fertility changes. *Agriculture, Ecosystems and Environment* 9: 83-96.
- Misra, P.N. & Agarwal, P.D., 1982. Ecology and roads in U.P. Himalayas. *Indian Highways* 10: 5-10.
- Mittal, S.P., Bansal, R.C., Sud, A.D. & Dyal, S.K.N., 1984. Hydrological behaviour of agricultural watershed. Pp. 83-84 in *Annual Report 1984*. Central Soil and Water Conservation Research and Training Institute, Dehradun.
- Moench, M. & Bandyopadhyay, J., 1986. People-forest interaction: a neglected parameter in Himalayan forest management. *Mountain Research and Development* 6: 3-16.
- Mooley, D.A. & Parthasarathy, B., 1983. Droughts and floods over India in summer monsoon seasons 1871-1980. Pp. 239-252 in A. Street-Perrott et al. (eds.), *Variations in the Global Water Budget*. D. Reidel, Dordrecht.
- Morgan, J.P. & MacIntire, W.G., 1959. Quaternary Geology of the Bengal Basin, East Pakistan and India. *Bulletin of the Geological Society of America* 70: 319-342.
- Morton, F.I., 1983. Operational estimates of areal evapo-transpiration and their significance to the science and practice of hydrology. *Journal of Hydrology* 66: 1-76.
- Mosley, M.P., 1982a. Subsurface flow velocities through selected forest soils, South Island, New Zealand. *Journal of Hydrology* 55: 65-92.
- Mosley, M.P., 1982b. The effect of a New Zealand beech forest canopy on the kinetic energy of water drops and on surface erosion. *Earth Surface Processes and Landforms* 7: 103-107.

- Mou, J., 1986. Comprehensive improvement through soil conservation and its effects on sediment yields in the middle reaches of the Yellow River. *Journal of Water Resources* 5: 419-435.
- Mulder, R.P., 1978. Erosion plot measurements in Phewa Tal catchment. Integrated Watershed Management Project. *Phewa Tal Technical Report* no. 6. Department of Soil Conservation and Watershed Management, Kathmandu, 11 pp.
- Murty, K.S., 1985. Sedimentation by rivers of India. Pp. 451-458 in *Proceedings of the Second International Symposium on River Sedimentation*, Nanjing, 11-16 October, 1983. Water Resources and Electric Power Press, Beijing, China.
- Myers, N., 1986. Environmental repercussions of deforestation in the Himalayas. *Journal of World Forest Resource Management* 2: 63-72.
- Nainwal, H.C., Bisht, M.P.S. & Prasad, C., 1985-86. Studies in mass movement in the landslide zone of Kaliasaur, Garhwal Himalaya. *Journal of Himalayan Studies and Regional Development* 9/10: 77-81.
- Narayan, D., Tandon, S.K. & Joshi, D.D., 1983. Erosion intensity in a mountain watershed in the Himalaya region. *Journal of the Geological Society of India* 24: 533-539.
- Narayana, V.V.D., 1987. Downstream impacts of soil conservation in the Himalayan region. *Mountain Research & Development* 7: 287-298.
- Narayana, V.V.D. & Sastry, G., 1983. Runoff characteristics of small watersheds in the outer Himalayas of Doon Valley. P. 25 in *Annual Report 1983*. Central Soil and Water Conservation Research and Training Institute, Dehradun.
- Narayana, V.V.D. & Sastry, G., 1985. Soil conservation in India. Pp. 3-9 in S.A. El-Swaify, D. Moldenhauer & A. Lo (eds.). *Soil Erosion and Conservation*. Soil Conservation Society of America, Ankeny, Iowa.
- Nayava, J.L., 1974. Heavy monsoon rainfall in Nepal. *Weather* 29: 443-450.
- Nelson, D.O., Laban, P., Shrestha, B.D. & Kandel, G.P., 1980. *A Reconnaissance Inventory of the Major Ecological Land Units and their Watershed Condition in Nepal*. Department of Soil Conservation and Watershed Management, Report IWM/WP/17, 292 pp.
- O'Loughlin, C.L., 1984. Effectiveness of introduced forest vegetation for protection against landslides and erosion in New Zealand's steep-lands. Pp. 275-280 in O'Loughlin, C.L. & Pearce, A.J. (eds.). *Proceedings of the International Symposium on Effects of Forest Land Use on Slope Stability, May 1984, Honolulu*.
- Pal, S.K. & Bagchi, K., 1975. Recurrence of floods in Brahmaputra and Kosi basins: a study in climatic geomorphology. *Geographical Review of India* 37: 242-248.
- Panday, K.K., 1986. How to keep Nepal green? *Asiaweek*, October 26, 1986: 94.
- Pandey, A.N., Pathak, P.C. & Singh, J.S., 1983/84. Water, sediment and nutrient movement in forested and non-forested catchments in Kumaun Himalaya. *Forest Ecology and Management* 7: 19-29.
- Pant, M.M., 1983. Harvesting water from ravaged Siwaliks in India. Pp. 411-484 in L.S. Hamilton (ed.). *Forest and Watershed Development and Conservation in Asia and the Pacific*. Westview Press, Boulder, Colorado. 559 pp.
- Pant, P.S., Abbi, S.D.S., Gupta, D.K. & Chandra, H., 1970. A study of major rainstorms in Assam. *India Journal of Meteorology and Geophysics* 21: 169-186.
- Pathak, P.C., Pandey, A.N. & Singh, J.S., 1984. Overland flow, sediment output and nutrient loss from certain forested sites in the Central Himalayas, India. *Journal of Hydrology* 71: 239-251.

- Pathak, P.C., Pandey, A.N. & Singh, J.S., 1985. Apportionment of rainfall in Central Himalayan forests (India). *Journal of Hydrology* 76: 319-332.
- Patnaik, N. & Viridi, S.S., 1962. Field infiltration studies in Doon Valley. *Irrigation and Power* 19: 1003-1012.
- Patnaik, U.S., Gupta, R.K., Kaushal, R.C., Singh, K., Dyal, S.K.N. & Mishra, P.R., 1974. Study on the effect of closure with afforestation and gully control measures on runoff and peak discharge - Chandigarh. Pp. 62-66 in: *Annual Report 1974*. Central Soil and Water Conservation Research and Training Institute, Dehradun.
- Paudyal, A.S. & Mathur, H.N., 1985. Delineation of landslide prone zones of Nepal. *Indian Forester* 111: 486-495.
- Paul, B.K., 1984. Perception of and agricultural adjustment to floods in Jamuna floodplain, Bangladesh. *Human Ecology* 12: 3-19.
- Pearce, A.J., 1986. *Erosion and Sedimentation*. Working Paper of the East-West Environment and Policy Institute, Honolulu, Hawaii, 18 pp.
- Pearce, A.J., Stewart, M.K. & Sklash, M.G., 1986. Storm runoff generation in humid headwater catchments. 1. Where does the water come from? *Water Resources Research* 22: 1263-1272.
- Penman, H.L., 1956. Evaporation, an introductory survey. *Netherlands Journal of Agricultural Science* 4: 9-29.
- Peters, T.J. & Mool, P.K., 1983. Geological and petrographic base studies for the Mountain Hazards Mapping Project. *Mountain Research and Development* 3: 221-226.
- Poddar, M.C., 1952. Preliminary report of the Assam earthquake, 15th August, 1950. *Bulletin of the Geological Survey of India* 2: 11-13.
- Prasad, R.C., 1975. The landslides and erosion problems with special reference to the Kosi Catchment. Pp. 73-83 in *Proceedings of the Seminar on Landslides and Toe Erosion Problems with Special Reference to Himalayan Region, Gangtok, Sikkim*. Indian Society of Engineering Geology, Calcutta.
- Prasad, J., 1987. Eastern Himalaya. Pp. 480-492 in R.L. Singh (ed.). *India, a Regional Geography*. National Geographical Society of India, Varanasi. 992 pp.
- Puri, D.N., Juyal, G.P. & Katiyar, V.S., 1982. Hydrology of forest watershed - a case study. Pp. VIII-28 to 35 in *Proceedings of the International Symposium on Hydrological Aspects of Mountainous Watersheds*, Roorkee, November 4-6, 1982. Manglik Prakashan, Saharanpur, 490 pp.
- Qian, W.C., 1983. Effects of deforestation on flood characteristics with particular reference to Hainan Island, China. *International Association of Hydrological Sciences Publication* 140: 249-257.
- Raghavendra, V.K., 1982. A case study of rain storm in the eastern mountainous catchments of Brahmaputra leading to highest ever recorded flood level at Dibrugarh. Pp. I-39 to I-44 in *Proceedings of the International Symposium on Hydrological Aspects of Mountainous Watersheds*, Roorkee, November 4-6, 1982. Manglik Prakashan, Saharanpur, 490 pp.
- Ram Babu, Bansal, R.C. & Srivastava, M.M., 1974. Micro watershed hydrological studies to study the hydrologic behaviour of small watersheds under different land uses - Dehra Dun. Pp. 10-15 in: *Annual Report 1974*. Central Soil and Water Conservation Research and Training Institute, Dehradun.
- Ram Babu, Tejwani, K.G. & Agarwal, M.C., 1978. Intensity-duration-frequency relationships for rainfall. Dehra Dun. Pp. 13-14 in *Annual Report 1978*. Central Soil and Water Conservation Research and Training Institute, Dehradun.

- Ram Babu, Srivastava, M.M., Sastry, G. & Puri, D.N., 1980. Studies on hydrological behaviour of small watersheds under different landuses- Dehra Dun. Pp. 24-29 in: *Annual Report 1980*. Central Soil and Water Conservation Research and Training Institute, Dehradun.
- Ram Babu, Sastry, G. & Puri, D.N., 1981. Dehra Dun - Studies on hydrological behaviour of small watersheds under different landuses. Pp. 32-36 in: *Annual Report 1981*. Central Soil and Water Conservation Research and Training Institute, Dehradun.
- Ram Babu & Narayana, V.V.D., 1982. Analysis of hydrological data of small watersheds in Doon Valley. Pp. VIII-46 to 52 in *Proceedings of the International Symposium on Hydrological Aspects of Mountainous Watersheds*, Roorkee, November 4-6, 1982. Manglik Prakashan, Saharanpur 490 pp.
- Ram Babu & Narayana, V.V.D., 1984. Development of stochastic model for runoff and peak discharge. Pp.29-32 in: *Annual Report 1984*. Central Soil and Water Conservation Research and Training Institute, Dehradun.
- Ramaswamy, C., 1962. "Breaks" in the Indian summer monsoon as a phenomenon of interaction between the easterly and subtropical westerly jetstreams. *Tellus* 14: 337-349.
- Ramsay, W.J.H., 1985. *Mass Wasting in the Middle Himalaya, Nepal, with a Case Study of the Phewa Valley*. M.Sc. thesis, University of British Columbia, Vancouver. 160 pp.
- Ramsay, W.J.H., 1986. Erosion problems in the Nepal Himalaya - an overview. Pp. 359-395 in S.C. Joshi et al. (eds.). *Nepal Himalaya. Geocological Perspectives*. Himalayan Research Group, Nainital, 506 pp.
- Ramsay, W.J.H., 1987a. Sediment production and transport in the Phewa valley, Nepal. *International Association of Hydrological Sciences Publication* 165: 461-472.
- Ramsay, W.J.H., 1987b. Deforestation and erosion in the Nepalese Himalaya - is the link myth or reality? *International Association of Hydrological Sciences Publication* 167: 239-250.
- Rao, K.L., 1976. *India's Water Wealth. It's Assessment, Uses and Projections*. Orient Longman, New Delhi, 255 pp.
- Rao, Y.P., 1981. The climate of the Indian subcontinent. Pp. 67-182 in K. Takahashi & H. Arakawa (eds.), *Climates of Southern and Western Asia*. World Survey of Climatology Volume 9. Elsevier, Amsterdam, 333 pp.
- Rawat, J.S., 1985. Hydrometric implications of morphometry and geology: a study of Lower Ramganga catchment. *Journal of the Geological Society of India* 26: 734-743.
- Reid, L. & Dunne, T., 1984. Sediment production from forest road surfaces. *Water Resources Research* 20: 1753-1761.
- Rodier, J.A. & Roche, M., 1984. World catalogue of maximum observed floods. *International Association of Hydrological Sciences Publication* 143: 101-105; 291-292.
- Roels, J.M., 1985. Estimation of soil loss at a regional scale based on plot measurements - some critical considerations. *Earth Surface Processes* 10: 587-595.
- Rogers, P., 1988. *Four questions concerning the recent floods in Bangladesh*. Unpublished draft report, 22 October 1988.
- Rudra, K., 1979. Causes of floods - some investigations in fluvial geomorphology. *Indian Journal of Power and River Valley Development* 29: 43-45.
- Rupke, J., 1974. Stratigraphic and structural evolution of the Kumaon lesser Himalaya, *Sedimentary Geology* 11: 81-265.
- Sakthivadivel, R & Raghupathy, A., 1978. Frequency analysis of floods in some Indian rivers. *Hydrology Review* 4:57-67.

- Samraj, P., Chinnamani, S. & Haldorai, B., 1977. Natural versus man-made forest in Nilgiris with special reference to run-off, soil loss and productivity. *Indian Forester* 103: 460-465.
- Samraj, P., Jayakumar, M., Raghunath, B., Nalatwadmath, S.K., Haldorai, B. & Lakshmanan, V., 1984. Hydrological studies on watersheds under permanent vegetation - Glenmorgan. Pp. 101-104 in: *Annual Report 1984*. Central Soil and Water Conservation Research and Training Institute, Dehradun.
- Samraj, P., Sharda, V.N., Chinnamani, S., Lakshmanan, V. & Haldorai, B., 1988. Hydrological behaviour of the Nilgiri sub-watersheds as affected by Bluegum plantations. Part I. The annual water balance. *Journal of Hydrology* 103: 335-345.
- Samuel, J.C. & Das, D.C., 1982. Geomorphic prediction models for sediment production rate and intense priorities of watersheds in Mayurakshi catchment. Pp. VII-15 to 23 in *Proceedings of the International Symposium on Hydrological Aspects of Mountainous Watersheds*, Roorkee, November 4-6, 1982. Manglik Prakashan, Saharanpur 490 pp.
- Sapkota, B., 1984. *A theoretical Study on Evaporation and Evapotranspiration*. Unpublished M.Sc. thesis, University of Roorkee, Roorkee.
- Sargent, C., Sargent, O. & Parsell, R., 1985. The forests of Bhutan: a vital resource for the Himalaya? *Journal of Tropical Ecology* 1: 265-286.
- Sarma, J.N., 1986. Sediment transport in the Burhi Dihing River, India. *International Association of Hydrological Sciences Publication* 159: 199-215.
- Sastry, G., Ram Babu & Puri, D.N., 1983. *Studies on hydrological behaviour of small watersheds under different landuses*. Pp. 23-24 in: *Annual Report 1983*. Central Soil and Water Conservation Research and Training Institute, Dehradun.
- Sastry, G. & Narayana, V.V.D., 1984. Watershed responses to conservation measures. *Journal of Irrigation and Drainage Engineering* 110: 14-21.
- Saxena, J.P., 1987. Bundelkhand Region. Pp. 597-621 in R.L. Singh (Ed.), *India, a Regional Geography*. National Geographical Society of India, Varanasi, 992 pp.
- Schaffner, U., 1987. *Road Construction in the Nepal-Himalaya: the Experience from the Lamosangu-Jiri road project*. ICIMOD Occasional Paper no. 8. International Centre for Integrated Mountain Development, Kathmandu, Nepal, 67 pp.
- Schomaker, M., 1988. *Erosion Measurements and Observations as Part of a Hydrological Monitoring Programme, Upper Konto Watershed, East Java*. Working Paper no. 21, Konto River Project, Malang, Indonesia, 49 pp.
- Sen, P.K., 1979. The recurrence of floods in the lower Damodar basin. *Indian Journal of Power and River Valley Development* 29: 17-22.
- Seth, S.M. & Datta, B., 1982. Flood frequency analysis - Comparative study of different approaches. Pp. III-1 to 8 in *Proceedings of the International Symposium on Hydrological Aspects of Mountainous Watersheds*, November 4-6, 1982, Roorkee, India. Manglik Prakashan, Saharanpur, India, 490 pp.
- Sharda, V.N., Samraj, P., Chinnamani, S. & Lakshmanan, V., 1988. Hydrological behaviour of the Nilgiri sub-watersheds as affected by Bluegum plantations. Part II. Monthly water balances at different rainfall and runoff probabilities. *Journal of Hydrology* 103: 347-355.
- Sharma, C.K., 1977. *River Systems of Nepal*. Mrs. Sangeeta Sharma, Kathmandu, 214 pp.
- Sharma, C.K., 1985. *Water and Energy Sources of the Himalayan Block*. Mrs. Sharma, Kathmandu, 477 pp.

- Sharma, K.P. & Mathur, B.S., 1982. Comparative intensity-duration studies of severe rainstorms in mountainous and plain areas of western Uttar Pradesh. Pp. I-66 to I-69 in *Proceedings of the International Symposium on Hydrological Aspects of Mountainous Watersheds*, Roorkee, November 4-6, 1982. Manglik Prakashan, Saharanpur 490 pp.
- Sharma, S.C., Mehra, H.C. & Jain, B.C., 1982. Design storm studies for Beas catchment up to Pandoh damsite. Pp. I-5 to I-11 in *Proceedings of the International Symposium on Hydrological Aspects of Mountainous Watersheds*, Roorkee, November 4-6, 1982. Manglik Prakashan, Saharanpur 490 pp.
- Shrestha, T.B., 1988. *Development Ecology of the Arun River Basin in Nepal*. International Centre for Integrated Mountain Development, Kathmandu, Nepal, 102 pp.
- Simmers, I., 1984. An outline and preliminary application of a systematic problem oriented methodology for hydrological data regionalisation. *Journal of Hydrology* 73: 71-87.
- Singh, A. & Singh, M.D., 1980. Effect of various stages of shifting cultivation on soil erosion from steep hill slopes. *Indian Forester* 106: 116-121.
- Singh, J.S., Pandey, A.N. & Pathak, P.C., 1983. A hypothesis to account for the major pathway of soil loss from Himalaya. *Environmental conservation* 10: 343-345.
- Singh, O. & Mukherjee, S.N., 1987. Purvanchal Region. Pp. 493-513 in R.L. Singh (ed.), *India, a Regional Geography*. National Geographical Society of India, Varanasi, 992 pp.
- Singh, P., Ramanathan, A.S. & Ghanekar, V.G., 1974. Flash Floods in India. *International Association of Hydrological Sciences* 112: 114-118.
- Singh, R.L. & Singh, K.N., 1987. Middle Ganga Plain. Pp. 183-251 in R.L. Singh (Ed.), *India, a Regional Geography*. National Geographical Society of India, Varanasi, 992 pp.
- Singh, S., Sakhuja, V.S. & Paul, T.C., 1982. Erosion and sediment transport in flashy (mountain) streams in Punjab. Pp. VII-1 to 8 in *Proceedings of the International Symposium on Hydrological Aspects of Mountainous Watersheds*, Roorkee, November 4-6, 1982. Manglik Prakashan, Saharanpur, 490 pp.
- Singh, U. & Verma, R.V., 1987. Upper Ganga Plain. Pp. 124-182 in R.L. Singh (ed.), *India, a Regional Geography*. National Geographical Society of India, Varanasi, 992 pp.
- Singha, D.R. & Gupta, P.N., 1982. Assessment of siltation in Tehri reservoir. Pp. VII-60 to 65 in *Proceedings of the International Symposium on Hydrological Aspects of Mountainous Watersheds*, Roorkee, November 4-6, 1982. Manglik Prakashan, Saharanpur, 490 pp.
- Sklash, M.G., Stewart, M.K. & Pearce, A.J., 1986. Storm runoff generation in humid headwater catchments. 2. A case study of hillslope and low-order stream response. *Water Resources Research* 22: 1273-1282.
- Spears, J., 1982. Rehabilitating watersheds. *Finance and Development* 19: 30-33.
- Stadtmüller, T., 1987. *Cloud Forests in the Humid Tropics*. The United Nations University, Tokyo, 81 pp.
- Starkel, L., 1972. The role of catastrophic rainfall in the shaping of the relief of the Lower Himalaya (Darjeeling Hills). *Geographia Polonica* 21: 103-147.
- Stöcklin, J., 1980. Geology of Nepal and its regional frame. *Journal of the Geological Society of London* 137: 1-34.
- Strebalek, B., 1985. *Recent land changes in Palpa (Nepal). An interpretation of a sequence of aerial photos from 1972-1984*. Report Tinau Watershed Project, Palpa.

- Subba Rao, B.K., Dabral, B.G. & Ramola, B.C., 1973. Quality of water from forested watersheds. *Indian Forester* 99: 681-690.
- Subba Rao, B.K., Ramola, B.C. & Sharda, V.N., 1985. Hydrologic response of a forested mountain watershed to thinning: a case study. *Indian Forester* 111: 418-431.
- Subramanian, V., 1979. Chemical and suspended sediment characteristics of rivers of India. *Journal of Hydrology* 44: 37-55.
- Subrahmanyam, V.P. & Upadhyay, B.P., 1983. Water balance and water potential of the Kosi river basin in Nepal. Pp. 143-153 in *Proceedings of the National Seminar on Assessment, Development and Management of Ground Water Resources*, 29-30 April, 1983, New Delhi.
- Suneja, I.J., 1979. Geological aspects of landslides in the Tertiary belt of western Himachal Pradesh. *Journal of Himalayan Studies and Regional Development* 3: 33-37.
- Tang, B.X., Li, D.J., Lu, R.R., Tan, W.P., Tian, L.Q. and Liu, S.Q., 1981. Mudflows on the Xizang plateau. Pp. 1829-1836 in D.S. Liu (ed.) *Geological and Ecological Studies of Qinghai-Xizang Plateau*. Volume II, Science Press, Beijing, pp. 975-2138.
- Tejwani, K.G., 1985. *Watershed Management in the Indian Himalayas*. Unpublished report, International Centre for Integrated Mountain Development, Kathmandu. 86 pp.
- Tejwani, K.G., 1987. Sedimentation of reservoirs in the Himalayan region - India. *Mountain Research & Development* 7: 323-327.
- Thompson, M. & Warburton, M. 1985. Uncertainty on a Himalayan scale. *Mountain Research and Development* 5: 115-135.
- Thornthwaite, C.W., 1948. An approach toward the rational classification of climate. *Geographical Review* 38: 55-94.
- Thornthwaite, C.W. & Mather, J.R., 1957: Instructions and tables for computing potential evapotranspiration and water balance. *Publications in Climatology of the Drexel Institute of Technology* 10(3).
- Toky, O.P. & Ramakrishnan, P.S., 1981. *Run-off and infiltration losses related to shifting agriculture (Jhum) in northeastern India*. *Environmental Conservation* 8: 313-321.
- Tucker, R.P., 1987. Dimensions of deforestation in the Himalaya: the historical setting. *Mountain Research and Development* 7: 328-331.
- UNESCO, 1971. Discharge of selected rivers of the world. *Studies and Reports in Hydrology Publication* no. 5, volume 1: 32, 48, volume 2: 97-101, volume 3: 57-59.
- UNESCO, 1976. World catalogue of of very large floods. *UNESCO Studies and Reports in Hydrology* no. 21: 116-128.
- Upadhyay, D.S. & Bahadur, J., 1982. On some hydrometeorological aspects of precipitation in Himalayas. Pp. I-53 to I-65 in *Proceedings of the International Symposium on Hydrological Aspects of Mountainous Watersheds*. Roorkee, November 4-6, 1982. Manglik Prakashan, Saharanpur, 490 pp.
- Upadhyay, K.P., 1987. *Alternatives to Shifting Cultivation in Bhutan*. TCP/BHU/6653 Technical Report. FAO, Rome, 289 pp.
- Uprety, B.K., 1988. Impact of river bank erosion, flood hazard- and river shifting in Nepal. Paper presented at the *International Symposium on the Impact of River Bank Erosion, Flood Hazard and Problems of Population Displacement*, April 11-13, 1988, Dhaka, Bangladesh, 27 pp.
- Vis, M., 1986. Interception, drop size distributions and rainfall kinetic energy in four Colombian forest ecosystems. *Earth Surface Processes and Landforms* 11: 591-603.
- Viswanatham, M.K., Joshie, P. & Ram Babu, 1980. Influence of forest on soil erosion control - Dehradun. Pp.100-104 in *Annual Report 1980*. Central Soil and Water Conservation Research and Training Institute, Dehradun.

- Viswanatham, M.K., Joshie, P. & Ram Babu, 1982. Influence of forest on soil erosion control - Dehradun. Pp.40-43 in *Annual Report 1982*. Central Soil and Water Conservation Research and Training Institute, Dehradun.
- Wagner, A., 1983. *The Principal Geological Factors Leading to Landslides in the Foothills of Nepal: a Statistical study of 100 Landslides; Steps for Mapping the Risks of Landslides*. Helvetas/SATA/ITECO, Kathmandu, 58 pp.
- Walling, D.E., 1983. *The sediment delivery problem*. *Journal of Hydrology* 65: 209-237.
- Ward, R.C., 1975. *Principles of Hydrology*. McGrawHill New York, 2nd edition. 367 pp.
- Ward, R.C., 1984. On the response to precipitation of headwater streams in humid areas. *Journal of Hydrology* 74: 171-189.
- Weidner, E., 1981. Geomorphologisch bedingte Differenzierungen der Bodengesellschaften am Südabfall des Himalayas (Sud-Nepal). *Zeitschrift für Geomorphologie N.F.* 39: 123-137.
- Whipkey, R.Z., 1965. Subsurface flow on forested slopes. *Bulletin of the International Association of Scientific Hydrology* 10: 74-85.
- Wiersum, K.F., 1984. Surface erosion under various tropical agroforestry systems. Pp. 231-239 in C.L. O'Loughlin & A.J. Pearce (eds.). *Proceedings of the International Symposium on Effects of Forest Land Use on Slope Stability, May 1984, Honolulu*.
- Wiersum, K.F., 1985. Effects of various vegetation layers in an *Acacia auriculiformis* forest plantation on surface erosion in Java, Indonesia. Pp. 79-89 in S.A. El-Swaify, D. Moldenhauer & A. Lo (eds.). *Soil Erosion and Conservation*. Soil Conservation Society of America, Ankeny, Iowa.
- World Resources Institute, 1985. *Tropical Forests: a Call for Action*.
- Xu, D.M., 1989. Characteristics of debris flow caused by outburst of glacial lake in Boqu river, Xizang, China. *Geojournal* 17: 569-580.
- Yamanaka, H., 1982. Radiocarbon ages of Quaternary deposit in Central Nepal and their geomorphological significance. *Science Reports of Tohoku University*. 32: 46-60.
- Žadroga, F., 1981. The hydrological importance of a montane cloud forest area of Costa Rica. Pp. 59-73 in R. Lal & E.W. Russell (eds.). *Tropical Agricultural Hydrology*. J. Wiley, New York, ... pp.
- Zeitler, P.K., Johnson, N.M., Naeser, C.W. & Tahirkheli, R.A.K., 1982. Fission track evidence for Quaternary uplift of the Nanga Parbat region, Pakistan. *Nature* 298: 255-257.
- Ziemer, R.R., 1981. Roots and the stability of forested slopes. *International Association of Hydrological Sciences Publication* 132: 323-361.
- Zollinger, F., 1979. The Sapt Kosi: unsolved problems of flood control in the Nepalese Terai. Department of Soil Conservation and Watershed Management, Kathmandu. *Integrated Watershed Management Project, Working Paper* no. 11, 94 pp.