
References

REFERENCES

- A.P.H.A. (1976) American Public Health Association. *Standard Method for the Examination of Water and Waste Water*. (14th edition), New York, USA.
- Ahmad, A. (1993) Environmental impact assesment in the Himalayas: An ecosystem approach. *Ambio*, **22**, 4-9.
- Allen, S.E. (1989) *Chemical Analysis of Ecological Materials*. Blackwell Scientific Publications, London.
- Ambasht, R.S. (1996) Water, soil and nutrient conservation in riparian ecosystem. *J. Indian Botanical Society*, **75**, 161-165.
- Ambasht, R.S. (1998) World water and wetland resource. *Modern Trends in Ecology and Environment* (ed. R.S. Ambasht), 115-130 pp. Backhuys Publishers, Leiden, The Netherlands.
- Anderson, H.W and Hobba, R.L. (1959) Forest and floods in Northwestern United States. *Int. Ass. Sci. Hydrol. Publ.*, **48**, 30-39.
- Anderson, I.M. and J.S.I. Ingram. (1993) *Tropical Soil Biology and Fertility: A Handbook of Methods*, CAB International, U.K.
- Arunachalam, M., Madhusoodanan, K.C., Nair, V.J. and Kotmulder, K. (1997) Food habit partitioning habits among fishes in stream pool of a south Indian river. *Int. J. Ecol. Envir. Sc.*, **23**, 271-295.
- Bell, R.L. & Ward, F.J. (1970) Incorporation of organic carbon by *Daphnia pulex*. *Limnol. Oceanogr*, **15**, 713-726.
- Bernbaum, E. (1997) The spiritual and cultural significance of the mountains. *Mountains of the World : A Global Priority* (eds. B. Messerli & J.D. Ives), 39-60 pp. The Parthenon Publishing Group, New York.
- Bhasin, M.K. (1984) *Impact of human activities on the ecosystem and vice-versa with reference to the Sikkim Himalaya*. Technical Report. MAB/DOE, Govt. of India, New Delhi.
- Binkley, D. and Arthur, M. (1983) How to count dead trees. *Bull Ecol. Soc. Am.*, **74** (1), 15-16.
- Blum, J.L (1960) Algal pollution in flowing waters. The ecology of algae. The prematuring Symposia in Ecological special publication. NO 2. University of Pittsburg, 11-12 pp.
- Boelter, D.H. (1974) The hydrological characteristic of the undrained organic soils in the lake states. "*Histols*": *Their Characteristic, Classification*

- and Use*, (ed. H.R. Aandahl), pp. 35-45. Pub. No 6 SSSA. Madison, Wisconsin.
- Bord na Mona. (1985) *Fuel peat in developing countries*, World Bank Technical Paper. No. 41. Washington DC: World Bank.
- Bormann, F.H. and Likens, G.E. (1979) *Pattern and Process in the Forested Ecosystem*. Springer-Verlag, New York. 253 pp.
- Bradbury, I.K and Grace, J. (1983) Primary production in wetlands. *Ecosystem of the World, 4A. Mires; Swamp, Bog, Fen and Moor; General Studies*. (ed. A.J.P. Gore), pp. 285-310, Elsevier, Amsterdam.
- Bren, L.J and Turner, A.K. (1979) Overland flow on a steep, forested infiltrating slope. *Australian Journal of Soil Research*, **17**, 43-52.
- Brooks, K.N. and Peter, F. (1995) *Watersheds as management units: An International perspective*. Proceedings of the Fifth International Rangeland Congress, Salt lake City, Utah, USA, 167-169
- Buttery, B.R., Williams, W.T. and Lampert, J.M. (1965) Competition between *Glyceria maxima* and *Phragmites communis* in the region of Surlurgham Broad. *J. Ecol.* **53**, 183-195.
- Buzas, M.A. and Gibson, J.G. (1969) Species diversity: benthonic foraminifera in western North Atlantic. *Science*, **163**, 72-75.
- Bye, R.A. (1986) Medicinal plants of the Sierra-Madri: Comparative study of the Tarahumara and Mexican market plants. *Economic Botany*, **40**, 103-124.
- Carpenter, S.R and Kitchell, J.F. (1992) Trophic cascade and biomanipulation: Interface of research and management—a reply to De Melo *et al.* *Limnology and Oceanography*, **37**, 208-213.
- Carpenter, S.R., Cottingham, K.L., & Schindler, D.E. (1992) Biotic feedbacks in lake phosphorus cycles. *Trends in Ecology and Evolution*. **7**, 332-336.
- Carpenter, S.R., Ludwig, D. and Brock, W.A. (1999) Management of eutrophication for lakes subject to potentially irreversible change. *Ecological Applications*, **9** (3), 751-771.
- Chouard, P. and Prat, et H. (1929) Note sur les tourbieres du massit de Neouvielle (Haules-Pyrenees). *Bull. Soc. Bot. Fr.*, **76**, 113-130.
- Christopher, B.C. and Richardson, C.J. (1997) Relationship between soil and nutrient plant species composition in Everglades peatlands. *Journal of Environmental Quality*, **26**, 224-232.

- Clements, F.E. (1916) *Plant succession: an analysis of the development of vegetation*. Publ. 242. Washington D.C, Carnegie Institution of Washington. 512 pp.
- Clymo, R.S. and Hayward, P.M. (1982) The ecology of *Sphagnum*. *Bryophyte Ecology*, (ed. A.J.E. Smith), pp 229-232. Chapman and Hall, London.
- Clymo, R.S. (1983) Peat. mires: Swamp, bog, fen and moor. *Ecosystems of the World: 4A*. (ed. A.J.P. Gore), pp. 159-224. Elsevier, Amsterdam.
- Conway, V.M. (1949) The bogs of Central Minnesota. *Ecological Monographs*, **19**, 173-205.
- Croom, E.M. (1983) Documentary and evaluating herbal remedies. *Economic Botany*, **37**, 13-27.
- Crum, H. (1988) *A Focus on Peatlands and Peat Mosses*. Ann Arbor. The University of Michigan Press, 306 pp.
- Cuniff, P. (1960) *Standard Methods for the Examination of Water, Sewage and Industrial Waste*, New York.
- Cunniff, P. (1995) *Official Methods of Analysis of AOAC International*. AOAC International, Arlington-Virginia, USA.
- Curtis, J.T. (1959) *The Vegetation of Wisconsin*. University of Wisconsin Press, Madison.
- Curtis, J.T. and Cottam, G. (1956) *Plant Ecology Workbook Laboratory Field Reference Manual*. Burgers Publ. Co., Minnesota.
- Dansereau, P. and Segadas-Vianna, E. (1952) Ecological study of the peat bogs of eastern North America. I. Structure and evolution of the vegetation. *Canadian Journal of Botany*, **30**, 490-520.
- Das, B.K. and Singh, M. (1994) Role of sediment accumulation in lakes of Udaipur, rajasthan, India, using the ^{210}Pb method. *Environmental Geology*, **24**, 28-33.
- Das, B.K. Singh, M. and Borkar, M.D. (1994) sediment accumulation rate in the lakes of kumaon Himalaya, India using ^{210}Pb and ^{226}Ra . *Environmental Geology*, **23**, 114-118
- Das, B.K., Singh, M. and Grieken, R.V. (1995) The elemental chemistry in the Nainital lake. Kumaon Himalaya, India. *The Science of the total Environment*, **168**, 85-91
- Das, B.K., Schafer, P. and Jennerjahn, T (1998) Biological studies in Lesser Himalayan lakes (Mansar & Surinsar, Jammu District), India. Proc. Intern Workshop on Env Biogeochem., JNU, New Delhi 13-18pp

- Davis, C.B and van der Valk, A.G. (1978) Litter decomposition in prairie glacial marshes. *Fresh Water Wetlands: Ecological Processes and Management Potential* (eds. R.E. Good, D.F. Whingham and R.L. Simpson), pp. 99-113. Academic Press, New York.
- Davis, C.B., van der Valk, A.G and Baker, J.L. (1983) The role of four macrophyte species in the removal of nitrogen and phosphorus from nutrient rich water in a prairie marsh, Iowa. *Madrono*, **30**, 133-142.
- Eaton, A.D., Clesceriand, L.S. and Greenberg A.E.. (1995) *Standard Method for the Examination of Water and Waste Water*. 19th edn. American Public Health Association, Washington DC, USA.
- Edmondson, W.T. (1962) *Fresh Water Biology*. International Books and Periodicals Supply, New Delhi.
- Edward, J.K. (1988) *Value of forested wetlands as filters for sediments and nutrients*. Proceedings of the Symposium. Orlando, F.L. Gen. Tech. Rep. SE-50, Asheville, 168 pp.
- Enex (1978) Enex of Newzealand Inc. Report prepared for common wealth fund for technical cooperation on the study of the pollution of Dal Lake. Srinagar.
- Fernando, C.H. (1984) Reservoirs and lakes of Southeast Asia (Oriental Region). *Ecosystems of the World 23. Lakes and Reservoirs*. (Ed. F. Taub), Elsevier, Amsterdam.
- Forel, F.A. (1892) La thermique des Lacs Leandonce – verh. Schweiz. *Nat Ges*, **78**, 5-8.
- Forrest, G.I. and R.A.H. Smith. (1975) The productivity of a range of blanket bog types in the Northern Pennines. *Ecology*, **63**, 173-202.
- Frolik, A.L. (1941) Vegetation of the peat lands of Dane Country, Wisconsin. *Ecological Monographs*, **11**, 119-140.
- Gaarder, T. & Gran, H.H. (1917). Investigation on the production of plankton in the Oslofjord. *Rapp. Cons. Explor. Mer.* **144**, 56-70.
- Gangulee, H.C. (1972). *Mosses of Eastern India and Adjacent Region*. A Monograph Vol 1. Book and Allied (Pvt.) Limited. Calcutta.
- Gates, F.C. (1942) The bogs of Northern Lower Michigan. *Ecological Monographs*, **12**, 216-254.
- Gawloog, R.R. (1998) The Lepchas of Sikkim. *Sikkim Perspectives for Planning and Development*. (eds. S.C. Rai, R.C. Sundriyal & E. Sharma),

- pp. 69-74. Sikkim Science Society and Bishen Singh and Mahendra Pal Singh, Dehradun, India.
- Geological Survey of India (1984) *Geology and Mineral Resource of West District of Sikkim State*. Geological Survey of India, Calcutta.
- Gessner, F (1929) Die Biologie die Moorsen. Untersuch anderen Moortalsperren des Isergebirges. *Arch Fur Hydrobiol.*, **20**, 1-64
- Godwin, H. (1956) *The History of British Flora : A Factual Basis for Phytogeography*. Cambridge University Press, Cambridge.
- Godwin, H. (1978) *Fenland: Its Ancient Past and Uncertain Future*. Cambridge University Press, Cambridge.
- Godwin, H. (1981) *The Archives of the Peat Bogs*. Cambridge University Press. Cambridge.
- Godwin, H., Walker, D. and Willis, E.H. (1957) *Radiocarbon dating and post glacial vegetation history*. Scale by Moss. Proceedings of the Royal Society No.147, 352-366.
- Goldman, C.R. (1968) Aquatic primary production. *Am. Zoo*, **8**, 31-42.
- Gopal, B., Goel, P.K., Sharma, K.P and Trivedy, R.K. (1981) Limnological study of a freshwater reservoir, Jamwa, Ramgarh (Jaipur). *Hydrobiologia*, **83**, 283-294.
- Gopal, B. and Sharma, K.P. (1994) *Sambhar Lake*. WWF-India, New Delhi.
- Gopal, B. and Zutshi, D.P. (1998) Fifty years of hydrobiological research in India. *Hydrobiologia*, **384**, 267-290.
- Gopal, B., and Krishnamurthy, K. (1993) Wetlands of south Asia. *Wetlands of the World. Vol. I*. (eds. D.F. Whigham, S. Hejny, and D. Dykyjova), Kluwer Acad. Pulb., Dordrecht.
- Gopal, B., Trivedy, R.K and Goel, P.K. (1988) Comparative study of species composition, density and species diversity of the phytoplankton in a non-polluted and a sewage receiving fresh water reservoir. *Arch. fur Hydrobiol. Suppl. Monograph*, **79**, 291-323.
- Gophen, M. (1973) Zooplankton in lake Kinneret. In: lake Kinneret, pp. 61-67. Data Israel Scient. Res. Conf.
- Gorham, E. (1957) The development of peatlands. *Quart. Rev. Biol.*, **32**, 145-166.

- Gosselink, J.G. and Maltby, E. (1990) Wetlands losses and gains. *Wetlands: A Threatened Landscape* (ed. M. Williams), pp. 296-322. Blackwell Publications, Oxford.
- Gosselink, J.G. and Turner, R.E. (1978) The role of hydrology in freshwater Wetland ecosystems. *Freshwater Wetland: Ecological Processes and management Potential* (eds. R.E. Good, D.F. Whigham and R.L. Simpson), pp. 63-78. Academic Press, New York.
- Greig-Smith, P. (1957) *Quantitative Plant Ecology*. (London) Butterworths.
- Gupta, R.K. (1983) *The Living Himalaya, Vol I. Aspects of Environment and Resource Ecology of Garhwal*. Today and Tomorrow's Printer, New Delhi. 379 pp.
- Hamilton, B. (1822) *An Account of Fishes found in the River Ganges and its Branches*. A Constable and Co., Edinburgh. 405 pp.
- Hamilton, L.S. and King, P.N. (1988) *Tropical Forested Watershed Hydrologic and Soil Response to Major Uses or Conversions*. International Book Distributors, Dehradun.
- Hamilton, L.S. and Bruijnzeel, L.A. (1997) Mountain watersheds—integrating water, soils, gravity, vegetation and people. *Mountains of the World: A Global Priority* (eds. B. Messerlis and J.D. Ives), pp. 337-370. The Parthenon Publishing Group, London.
- Hamilton, L.S. and King, P.N. (1983) *Tropical Forested Watersheds: Hydrologic and Soil Response to Major Uses or Conversions*. Westview Press, Boulder, USA.
- Heinselman, M.L. (1970) Landscape evolution, peatland types, and the lake Agassiz peatlands natural area, Minnesota. *Ecological Monographs*, **40**, 235-261.
- Heinselman, M.L. (1963) Forest sites, bog processes, and peatland types in the glacial lake Agassiz region, Minnesota. *Ecological Monographs*, **33**, 327-374.
- Heinselman, M.L. (1975) Boreal peatlands in relation to environment. *Coupling of Land and Water System* (ed. A.D. Hasler), pp 93-1-3. Ecological studies NO. 10, Springer-Verlag, New York.
- Henderson, G.S., Harris, W.F., Todd, D.E. Jr. and Gizzard, T. (1977) Quantity and chemistry of throughfall as influenced by forest type and season. *Journal of Ecology*, **65**, 365-374.
- Herdendorf, C.E. (1982) Large lakes of the World. *Journal of Great Lakes Res* **8** (2), 379-412.

- Holeman, J.N., Heinemann, H.G., Livesey, R.G. and Trimble, S.W. (1977) Current soil erosion and sediment control technology for rural and urban land. Soil Erosion and sedimentation. (Cited from Richard E. Highfill and Leon, W. Kimberlin). Proc. of National Symp. on soil erosion and sedimentation by water. Sponsored by ASAE, 15pp.
- Hooker, J.D. (1857) *The Flora of British India* (I-VII Vols) L. Reeve and Co. 5 Henrietta Street, Convey Garden, London.
- Hutchinson, G.E. (1967) *A Treatise of Limnology* 2, John Wiley and Sons, New York.
- Hutchinson, G.E. (1933) Limnological studies at high altitude in Ladakh, *Nature*, 132- 136.
- Hutchinson, G.E. (1937) Limnological studies in Indian Tibet. *International Revue der gesamten Hydrobiologi.*, **35**, 134-177.
- Hutchinson, G.E. (1957) *A Treatise on Limnology, Vol. 1: Geography, Physics and Chemistry*. John Wiley and Sons, Inc., New York, 1015 pp.
- Hynes, H.B.N. (1971). The biology of polluted waters. University of Toronto, Toronto, 555 pp.
- I.C.M.R. (1963) *Manual and Methods for the Estimate of Water, Sewage and Industrial Waste*. India Council of Medical Research, Special Report. Series No. 47, New Delhi.
- Ishaq, M. and Kaul, V. (1988) Distribution of minerals in Himalayan lake. *Trop. Ecol.*, **29**, 41-49.
- Issac, M., Kaul, V., and Pandita, S.N. (1985) Management model for Dal lake system. Proc. Ind. Congr. Engg. and Env. Section 2-1-07, 1-11pp.
- Jackson, M.L. (1967) *Soil Chemical Analysis*. Prentice-Hall, New Delhi.
- Jain, A., Rai, S.C., Pal, J. and Sharma, E. (1999). Hydrology and nutrient dynamics of a sacred lake in Sikkim Himalaya. *Hydrobiologia*, **416**, 12-22.
- Jain, A., Rai, S. C. and Sharma, E. (2000) Hydro-ecological analysis of a sacred lake watershed system in relation to land use/cover change from Sikkim Himalaya. *Catena*, **40** (3) 263-278.
- Jana, B.B. (1973) Seasonal periodicity of plankton in a freshwater pond in West Bengal, India. *Int. Revue ges. Hydrobiol.*, **58**, 127- 143.
- Jana, B.B. (1998) State of the art of lakes in India: an overview. *Monograph in Arch. fur Hydrobiologie.*, **121**, 1-89.

- Jewell, M.E and Brown, H.W (1929) Studies on northern Michigan bog lakes. *Ecology* 10, 427-475
- Jana, B.B., Dey, U.K., and Das, R.N. (1980) Environmental factors affecting the seasonal changes of net plankton in two tropical fish ponds in India. *Schweiz. Z. Hydrol.*, 42, 225-246.
- Joshi, V. and Sundriyal, Y.P. (1995) Natural lakes in the Garhwal Himalaya: Economic utility and conservation. *Journal of Hill Research*, 8, 209-219.
- Kadlec J.A. (1976) Dissolved nutrients in a peat land near Houghton lake, Michigan. *Fresh Water Wetlands and Sewage Effluent Disposal* (eds. D.L. Tilton, R.H. Kadlec and C.J. Richardson), pp. 25-50. University of Michigan. Ann Arbor, Michigan.
- Kaul, M.N. (1990) *Glacial and Fluvial Geomorphology of Western Himalaya*. Concept Publishing Company. New Delhi 319 pp.
- Kaul, V. (1977) Limnological survey of Kashmir lakes with reference to trophic status and conservation. *Int. J. Ecol. Envir. Sci.*, 3, 24-44
- Kaul, V. (1989) Ecology and conservation of Dal lake in Kashmir. *Perspectives in Aquatic Biology*. (ed. R.D. Khulbe). pp.151-170. Papyrus Publishing House. New Delhi.
- Kaul, V. and Handoo, J.K. (1987) Chemical parameters useful in the evaluation of eutrophication and ecological state of lakes of Jammu and Kashmir. *Environmental Issues and Researches in India* (eds. S.K. Agarwal and R.K. Garg), pp. 363-397. Himanshu Publication, Udaipur.
- Keller, R. (1984) The world fresh water: yesterday, today, tomorrow. *Applied Geography and Development*, 24, 7-23.
- Kershaw, K.A. (1973) *Quantitative and Dynamic Plant Ecology*. Edward Arnold Ltd, London.
- Khan, M.L., and Tripathi, R.S. (1987) Tree regeneration in a disturbed subtropical wet hill forest of North-east India: effects of stump diameter and height on sprouting of four tree species. *Forest Ecology and Management*, 17, 199-209.
- Khoshoo, T.N. (1991) Conservation of biodiversity in biosphere. *Indian Geosphere-Biosphere* (eds. T.N. Khoshoo and M. Sharma). Vikash Publication, New Delhi.
- Khulbe, R.D. (1992). *Studies on water pollution in Nainital and Bhimtal Lakes of Kumaun Himalaya*. 2nd Annual Progress Report, Ministry of Environment and Forests, Govt. of India.

- Khulbe, R.D (1993) Studies on water pollution in Nainital and Bhimtal lakes of Kumaun Himalaya. Final Technical Report, Ministry of Environment and Forests, Govt of India
- Kimmins, J.P. (1973) Some statistical aspects of sampling throughfall precipitation in nutrient cycling studies in British Columbia coastal forest. *Ecology*, **54**, 1008-1019.
- Klinger, L.F. (1996a) The myth of the classic hydrosere model of bog succession. *Arctic and Alpine Research*, **28** (1), 1-9.
- Klinger, L.F. (1996b) Coupling of soils and vegetation during peatland succession, *Arctic and Alpine Research*, **28**, 380-387.
- Klinger, L.F. and Erickson III, D.J. (1997) Geophysiological coupling of marine and terrestrial ecosystems. *Journal of Geophysical Research*, **102** (D21) 25,359-25,370
- Klinger, L.F., Elias, S.A., Behan-Polletier, V.M., and Williams, N.E. (1990) The bog climax hypothesis. Fossil arthropod and stratigraphic evidence in Holartic. *Ecology*, **13**, 72-80.
- Kneewood, H. R. (1970) *Public Health Laboratory Works*. H.K. Levis and Co. Ltd., London.
- Koblentz-Mishke, O.F., Volkovinski, V.V. and Kabanova, J.G. (1970) Plankton primary production of the world oceans. *Scientific Exploration of the South Pacific*. pp. 183-193. Standard Book No. 309-01755-6. National Academy of Science, Washington DC.
- Kratz, T.K. and DeWitt C. B. (1986) Internal factors controlling peatland-lake ecosystem development. *Ecology*, **67**, 100-107.
- Kratz, T.K., Webster, K.E., Bowser C.J., Magnuson J.J. and Benson B.J. (1997) The influence of landscape position on lakes in northern Wisconsin. *Freshwater Biology*, **37**, 209-217.
- Kudangar, M.R.D., and Sarwar, S.G. (1997) *Dal Lake*. Environ. Engineering Dept., Govt. of Jammu and Kashmir, Srinagar. 37 pp.
- Kulzynski, S. (1949) *Peat Bogs of Polesie*. Acad. Pol. Sci. Mem., Series B, No 15-356 pp.
- Lakher, G.R., Bhargava, S.C. and Sinha, R.K. (1990) Comparative limnology of Sambhar and Didwana lakes (Rajasthan, India). *Hydrobiologia*, **197**, 245-256.
- Larsen, J.A. (1982) *Ecology of the Northern Lowland Bogs and Conifer Forests*. Academic Press, New York.

- Lazarus, D.S. (1990) Save our soil. *Our Planet*, **2** (4), 10-11.
- Lewis, W.M.Tr. (1979) Zooplanktons: A Community Analysis Approach- Springer Verlag, New York.
- Likens, G.E. (1975) Primary productions of Inland aquatic ecosystems. *Primary Productivity of the Biosphere* (eds. Helmut Lieth and R.H. Whittaker), pp. 87-199. Springer-Verlag, New York Inc.
- Longton, R.E. (1992) The role of bryophyte and lichens in terrestrial ecosystems. *Bryophyte and Lichens in Changing Environment*. (eds. J.W. Bates and A.M. Farmer), pp. 32-76. Clarendon Press, Oxford.
- Loshali, D.C (1989) *Certain hydrologic responses of landslide affected forest sites in Kumaun Himalaya*. (Ph D thesis) Kumaun Himalaya, Nainital.
- Lucas, R.E., and Davis, J.F. (1961) Relationships between pH values of organic soils and availabilities of 12 plant nutrients. *Soil Science*, **92**, 77-182.
- MacKinnon, J. and MacKinnon, K. (1986) *Review of the Protected Areas System in the Indo-Malayan Realm*. IUNC, Gland.
- Mahanjan, I. (1989) *Effect of water quality on phytoplankton dynamics and primary production of Renuka and Rewalsar lakes*. (Ph D thesis). Himachal Pradesh University, Shimla.
- Malmstrom, C. (1956) Om Skogsproduktionens Naringskologiska Forutsattningar och Mojligheterna att paverska dem sven. *Skagsvard foren. Tidskr.* **47**, 123-140.
- Margalef, D.R. (1957) Information theory in ecology. *Memoria de la Real Academia de Ciencias y Artes de barcelona*. **23**, 378-449.
- Mc Clelland, J. (1839) Indian Cyprinidae. *Asiat. Res.*, **19**, 217-348.
- Melkania, N.P. and Singh, J.S. (1989) Ecology of Indian grassland. *Perspectives in Ecology* (eds. J.S. Singh and Brij Gopal), pp 67-103. Jagminder Book Agency, New Delhi.
- Michael, J.V., Craig, D.L. and Shelley, E.A. (1997) "Top-Down" trophic interactions in lakes: effects of fish on nutrient dynamics. *Ecology*, **78** (1), 1-20.
- Michael, S., Hansjorg, T., Eckart, K., Herbert, B., and Karl, S. (1997) The biogeochemistry of a cirque-lake landscape: An interdisciplinary study in the catchment of the northern Black forest, Germany. *Water Resource Research*, **33** (9), 2129-2142.
- Milliman, J.D. and Meade, R.H. (1983) World-wide delivery of river sediments to the oceans. *Journal of Geology*, **9**, 1-21.

- Ministry of Environment and Forest (1990) Wetlands of India-A Directory. Ministry of Environment, Govt. of India. 150 pp.
- Mishra, R. (1968) *Ecology Work Book*. Oxford and IBH Publishing Co, New Delhi.
- Mitsch, W.J., Mitsch, R.H. and Turner, R.E. (1994) Wetlands of the Old and New Worlds: ecology and management. *Global Wetlands Old and New Worlds*, (ed. W.J. Mitsch), pp. 1-56. Elsevier, Amsterdam.
- Mitsch, W.J. and Gosselink, J.G. (1993) *Wetlands*. Van Nostrand Reinhold, New York.
- Moore, P.D. and Bellamy, D.J. (1974) *Peatlands*. Springer-Verlag, New York.
- Moore, P.D. and Bellamy, D.J. (1973) *Peatlands*. Springer-Verlag, New York.
- Munawar, M. (1970) Limnological studies of freshwater ponds at Hyderabad, India. II. The Biocoenose. The distribution of unicellular and colonial phytoplankton in the polluted and the unpolluted environments. *Hydrobiologia*, **36** (1), 105-128.
- Munawar, M. (1974) Limnological studies on fresh water ponds of Hyderabad, India IV. The Biocoenose. Periodicity and species composition of unicellular and colonial phytoplankton in polluted and unpolluted environments. *Hydrobiologia*, **45** (1), 1-32.
- Murugan, N. and Venkataraman, K. (1977) Study of the in vitro development of the parthenogenetic egg of *Daphnia carinata* King (Cladocera:Daphniadae). *Hydrobiologia*, **52**, 129-134.
- Nace, A.B. (1964) Global Water Balance. U.S. Geological Survey Prof. Paper No. 632, 33 pp.
- Naiman, R.J., Magnuson, J.J., McKnight D.M. and Stanford, J.A. (1995) *The Freshwater Imperative*. Island Press, Washington DC.
- Narayana, V.V. Dhurva and Ram Babu (1983) Estimation of soil erosion in India. Jour. Of Irrigation and Drainage Engineering. Amer Soc. of civil Eng. (Paper No. 18458), 109 (4).
- Nauwerck, A. (1963) The relation between the zooplankton and phytoplankton in Lake Erken.- *Symb. Bot. Uppsal.*, **17**, 1-163.
- Negi, G.C.S., Rikhari, H.C., and Garkoti, S.C. (1998) The hydrology of three high-altitude forests in Central Himalaya, India: A reconnaissance study. *Hydrological Processes*, **12**, 343-350.

- Negi, K.S., Rawat, Y.S. and Singh, J.S. (1983) Estimation of biomass and nutrient storage in a Himalayan moist temperate forest. *Canadian Journal of Forest Research*, **13**, 1185-1196.
- Newman, C.M. and Schalles, J.F. (1990) The water chemistry of Carolina bays: A regional survey. *Arch Hydrobiol.*, **2**, 147-168.
- Ohle, W. (1956) Bioactivity, production and energy utilization of lakes limnology. *Oceanography*, **1**, 139-149.
- Palmer, C.M. (1969) A composite rating of algae tolerating organic pollution. *J. Phycol* 78-82
- Palni, L.M.S., Maikuri, R.K. and Rao, K.S. (1989) Conservation of the Himalayan agroecosystems. Issues and Priorities. Report on International Meeting on Himalaya Ecoregional Co-operation. UNDP, Kathmandu, Nepal. 261-290 pp.
- Pandey, J. (1980) Studies on certain aspect of pollution in Nainital lake (Ph.D thesis), Kumaon University, Nainital
- Pandey, A.N., Pathak, P.C., and Singh, J.S. (1983) Water sediment and nutrient movement in forested and non-forested catchments in Kumaun Himalaya. *Forest Ecology and Management*, **7**, 19-20.
- Pandey, U.M. and Singh, J.S. (1984) Energy-flow relationship between agro- and forest ecosystems in central Himalay. *Environment conservation*, **11**, 45-53
- Pandey, K.D., Kashyap, A.K., & Gupta, T.K. (1995) Nutrient status, algal and cyanobacterial flora of six fresh water streams of Schirmacher Oasis, Antartica. *Hydrobiologia* **299**, 83-91.
- Pant, M.C. & Joshi, A. (1987) Phytoplankton analysis of Lake Sat Tal (U.P), India. *Int. Revue ges. Hydrobiologia*, **72** (30), 307-324.
- Pant, M.C., Joshi, A. and Sharma, P.C. (1985) Species composition, temporal abundance and the community structure of Zooplankton in lake sat Tal (U.P) India. *Arch Hydrobiol.*, **102** (4), 519-535.
- Parsons, T.R. Takahaski, M. and Hargrave, B.T. (1984) *Biological Oceanographic Processes*. Pergamon Press, Oxford, 330 pp.
- Pathak, P.C., Pandey, A.K. and Singh, J.S. (1983) Partitioning of rainfall by certain forest strands in Kumaun Himalaya. *Tropical Plant Science Research*, **1** (2), 123-126.
- Patrick, R.C. (1948) Factor affecting the distribution of diatoms. *Bot Rev* **14** (8), 417-424

- Pavoni, M. (1963) *Schweiz Zelt. Arch fur Hydrobiologi.*, **25**, 219-341
- Phillipose, N.T. (1967) Chlorococcales. Monigraph on algae. ICAR, Publication, New Delhi, 1-135 pp.
- Petts, G.E. (1984) *Impounded Rivers: Perspectives for Ecological Management*. John Wiley and Sons, New York.
- Phillips, E.A. (1959) *Methods of Vegetation Study*. A Holt-Dryden Book. Henry Holt and Co. Inc.
- Pielou, E.C. (1966) The measurement of diversity in different different types of biological collections. *Journal of Theoretical Biology*. **77**, 290-310.
- Plass, W.T. (1975) Changes in water chemistry resulting from surface mining of coal on four West Virginia watersheds. IIIrd Symposium on Surface Mining and Reclamation 152-169 pp.
- Pollett, F.C. (1972) Nutrient contents of peat soils in Newfoundland. Fourth Int Peat Cong. Proc. Otaniemi, Final **3**, 461-468.
- Polunin, O. and Stainton, A. (1984) *Flowers of the Himalaya*. Oxford University Press, New Delhi, India.
- Potzer, J.E. (1934) A notable case of bog formation. *Am. Midl. Nat.*, **15**, 567-580.
- Prashad, B. (1916) The seasonal conditions governing the pond life in the Punjab. *J. Asiat. Soc. Bengal*, **12**, 142-145.
- Prentki, R.T., Gustafson, T.D., and Adams, M.S. (1978) Nutrient movement in lakeshore marshes. *Fresh Water Wetlands: Ecological Processes and Management Potential* (eds. R.E. Good, D.F. Whingham and R.L. Simpson), pp. 168-194. Academic Press, New York.
- Prescott, G.W. (1951) *Algae of the Western Great Lakes Area*, Crankbrook Institute of Science.
- Prescott, G.W. (1978) *Freshwater Algae* 3rd edition. Wm. C Brown Company Publishers, Dubuque, Iowa. 293 pp.
- Proctor, M.C.F. (1995) The ombrogenous bog environment. *Restoration of Temperate Wetlands*. (eds. B.D. Wheeler, S.C. Shaw, W.J. Fojt and R.A. Robertson), pp. 287-304. John Publications, London.
- Purohit, R. and Singh. S.P. (1981) Seasonal variation in physico-chemical limnology of Nainital lake, Western Himalaya India. *Proc. Indian Nat. Sci. Acad.*, B **47**, 194-203.

- Rahlan, P.K., Saxena, A.K. and Singh, J.S. (1982) Analysis of forest vegetation at and around Nainital in Kumaun Himalaya. *Indian National Science Academy*, B (48), 121-137.
- Rai, L.C. and Kumar, H.D. (1977) Seasonal variation in the algal communities of a pond polluted with fertilizer factory affluent. *Indian J. Ecol.* **4** (2), 124.
- Rai, S.C. and Sundriyal, R.C. (1997) Tourism and Biodiversity Conservation: The Sikkim Himalaya. *Ambio*, **26** (4), 235-242.
- Rai, S.C. and Sharma, E. (1998a) Hydrology and nutrient flux in the agrarian watershed of the Sikkim Himalaya. *Journal of Soil and Water Conservation*. **53**, 125-132.
- Rai, S.C. and Sharma, E. (1998b) Comparative assessment of runoff characteristics under different land use patterns within a Himalayan watershed. *Hydrological Processes*, **12**, 2235-2248.
- Raina, K.V. (1966) *Geological Mapping in the Western part of Sikkim*. Geological Survey of India, Calcutta.
- Rao, C.B. (1955) On the distribution of algae in a group of six small ponds. II. Algal periodicity. *J Ecol* **43**(1), 291-307
- Rao, R.R. (1995) Hot spot of biodiversity in India. *Biodiversity-Genes to Ecosystems; Towards Sustainable Management*. Indian National Science Academy, New Delhi.
- Rao, P.B, Sharma, A.P. and Singh, J.S. (1982) Limnology and phytoplankton production of a altitude high lake. *Int J Environ Sci* **8**, 39-51
- Raunkiaer, C. (1934) *The Life Forms of Plants and Stastical Plant Geography*. Clarendon Press, Oxford.
- Rawat, Y.S. and Singh, J.S. (1988) Structure and function of oak forest in Central Himalaya II. Nutrient dynamics. *Annals of Botany*, **62**, 413-427.
- Rawson, D.S. (1939) Some physical and chemical factors in the metabolism of lakes. *Problems of Lake Biology*. (eds. E.R. Moulton), pp. 9-26. Pub 10, A.A.A.S, Washington DC.
- Reader, R. (1978) Primary production in northern bog marshes. *Fresh Water Wetlands: Ecological Processes and Management Potential*. (eds. R.L. Good, D.F. Whingham and R.L. Simpson), pp. 53-62. Academic Press, New York.

- Reader, R.J. and Steward, J.M. (1972) The relationship between net primary production and accumulation for the peat land in southeastern Manitoba. *Ecology*, **53**, 1024-1037.
- Richardson, C.J., Donald, L.T., Kadlec, J.A., Chamie, J.P.M. and Wentz, W.A. (1978) Nutrient dynamics of Northern wetland ecosystems. *Freshwater Wetlands: Ecological Processes and Management Potential*. (eds. R.E. Good, D.F. Whigham and R.L. Simpson), pp. 217-241. Academic Press, New York.
- Risser, P.G. and Rice, E. L. (1971) Diversity in tree species in Oklahoma upland forest. *Ecology*, **52**, 876-880.
- Rodin, L.E. and Bazilevich, N.I. (1967) *Production and Mineral Cycling in Terrestrial Vegetation*. Oliver and Boyd, Edinburgh. 288 pp.
- Romamovsky, Y.E. & Feniova, I.Y. (1985) Competition among cladocera: effect of different levels of food supply. *Oikos*, **44**, 243-252.
- Roy, B.N. and Thapa, M.P. (1996) Limnology of lake Khechepalri, Sikkim. 1. Physical and chemical aspects. *Journal of Hill Research*, **9** (2), 201-218.
- Roy, B.N. and Thapa, M.P. (1998a) Lakes of Sikkim: A limnological study. *Sikkim Perspectives for Planning and Development*. (eds. S.C Rai, R.C. Sundriyal and E. Sharma), pp. 189-204. Sikkim Science Society and Bishen Singh Mahendra Pal Singh, Dehradun.
- Roy, B.N. and Thapa, M.P. (1998b) Morphometry and marginal vegetation of Khechepalri lake in Sikkim. *Journal of Hill Research*, **11**(2), 244-247.
- Ruttner, F. (1937) Limnologische studien in einigen Seen der Ostalpen. *Arch Hydrobiologia*, **32**, 167-319.
- Sajors, H. (1961) Surface patterns in boreal peatland . *Endeavour*, **20**, 217-224.
- Sarkar, S. and Jana, B.B. (1995) Biomass determination of some species using a geometric equivalent technique of plankton organisms. *Acta Hydrochim. et Hydrobiol.*, **132**, 217-221.
- Saxena, A.K. (1979) *Ecology of vegetation complex of North Western catchment of river Gola*. (Ph D. thesis). Kumaun University, Nainital.
- Saxena, A.K. and Singh, J.S. (1982) A Phytosociological analysis of woody species in forest communities of a part of Kumaun Himalaya. *Vegetatio*, **50**, 3-22.
- Saxena, A.K., Singh, S.P.. and Singh, J.S. (1984) Population structure of forest of Kumaun Himalaya: Implications for Management. *J. Env. Manage.*, **19**, 307-324.

- Schalles, J.F. (1989) *Comparitive Chemical Limnology of the Carolina Bay Wetlands on the Upper Coastal Plain of South Carolina*. Symposium series No 61 (eds. R.R. Sharitz and J.W. Gibbons), pp. 89-111. USDOE Office of Scientific and Technical Information, Oak Ridge, Tennessee.
- Scott, D.A. (1989). *Directory of the Asian Wetlands*. Int. Union for Conserv. of Nature and Nat. Resource Unit, Cambridge, England.
- Serruya, C. and Pollinger, U. (1983) *Lakes of the Warm Belt*. Cambridge, U.K. 569 pp.
- Shalles, J.F. and Shure, D.J. (1989) Hydrology, community structure and productivity patterns of a dystrophic Carolina bay wetland. *Ecological Monographs*, **59**, 365-385.
- Shannon, C.E. (1948) A mathematical theory of communications. *Bell System Technical Journal*, **27** (1/2), 379-423; **27** (3), 623-656.
- Sharda, D., Venkataratnam, L., Rao, B.R.M., Venkataramaiah, K. and Raju, A.S. (1992) Characterization and prioritization of watersheds of part of Musi river catchment using LAND SAT, TM DATA. *Remote Sensing Application and GIS: Recent Trends* (ed. I.V. Muralikrishna), pp. 180-186. Tata McGraw Hill Pub Company Ltd.
- Sharma, A.P. (1980) *Phytoplankton primary productions and nutrient relation in Nainital lake*. (Ph D. thesis). Kumaun University, Nainital.
- Sharma, C. and Singh, G. (1974) Studies in the late -Quaternary vegfetational history in Himachal Pradesh-1. Khajear Lake. *Paleobotanist*, **21**(2): 144-162.
- Sharma, C. (1985) On the Late-Quaternary vegetation history in Himachal Pradesh-3 Parasraum Tal. *Geophytology*, **15**(2) 206-218.
- Sharma, E., Sundriyal, R.C., Rai, S.C. and Krishna, A.P. (1998) Watershed: a functional unit of management for sustainable development. *Modern Trends in Ecology and Environment* (ed. R.S. Ambasht), pp. 171-185. Backhuys Publishers, Leiden, The Netherlands.
- Sharma, E., Sundriyal, R.C., Rai, S.C., Bhatt, Y. K., Rai, L.K., Sharma, R. and Rai, Y.K. (1992) *Integrated Watershed Management*. Gyanodaya Prakashan. Nainital.
- Sharma, A.P. and Pant, M.C. (1979) Certain physico-chemical features, phytoplankton population and chlorophyll concentration in a high altitude lake. *Trop Ecol* **20**, 101-113

- Sharma, P.C. and Pant, M.C. (1984) Abundance and community structure of limnetic zooplankters in Kumaon lakes, India. *Int. Revue ges. Hydrobiol.*, **69**, 91-109.
- Sharma, P.N. and Dixon, J. (1995) Watershed policy management issues in Asia. *The Status of Watershed Management Issues in Asia*. (eds. P.N. Sharma and M.P. Wagley), pp. 1-6. UNDP/FAO, RAS/93/063, Kathmandu, Nepal.
- Shreenivisan, A. (1964) The limnology and primary production in a tropical pond. *Limnol. Oceanogr.*, **9**, 391.
- Shukla, R.P. and Ramakrishnan, P.S. (1984) Biomass allocation strategies and productivity of tropical trees related to successional status. *Forest Ecology and Management*, **9**, 315-324.
- Simpson, E. H. (1949) Measurement of diversity. *Nature*, **163**, 688.
- Singh, M and Das. B.K. (1995) Major ion geochemistry of Nainital lake waters, Kumaon Himalaya, India. *Bull. Indian Geologist Ass.* **28**(1) 53-63.
- Singh, J.S. and Yadava, P.S. (1974) Seasonal variation in composition, plant biomass, and net primary productivity of a tropical grassland at Kurukshetra, India. *Ecological Monographs*, **44**, 351-375.
- Singh, J.S. and Singh, S.P. (1992) *Forest of Himalaya: Structure, Function and Impact of Man*. Gyanodaya Prakashan, Nainital, India.
- Singh, J.S. and Singh, S.P. (1984) *An integrated ecological study of western Kumaun Himalayas with emphasis on natural resources*. Final technical report (Vol. I and II) (HCS/DST/187/76), Kumaun University, Nainital.
- Singh, J.S., and Singh, S.P. (1987) Forest vegetation of the Himalaya, *Bot. Rev.*, **53**, 80-192.
- Singh, J.S., Pandey, A.N. and Pathak, P.C. (1983) A hypothesis to account for the major pathway of soil loss from Himalaya. *Environmental Conservation*. **10**, 343-345.
- Singh, U.P. (1959) Phytoplankton ecology of inland waters of Uttar Pradesh. *Int. Proc. Sym. On Algology*, I.C.A.R. New Delhi 243-271.
- Smith, W.W. and Cane, G.H. (1911) The vegetation of the Zemu and Llonakh valley of Sikkim. Botanical Survey of India (Records Vol-IV, No 5). Superintendent Government Printing, Calcutta.
- Soltero, R.H. (1969) Chemical and Physical findings from pollution studies of East Gullation river and its tributaries. *Water Research* **3**, 687-706

- Sorensen, T. (1948) A method of establishing group of equal amplitude in plant society based on similarity of species content. *K.Danske, Vidensk, Selsk*, **5**, 1-34
- Stanek, W. (1975) Annotated bibliography of peatland forestry. Environment Canada Libraries. Bibliography Series. **76**:1.
- Sterner, R.W. (1995) Elemental Stoichiometry of Species in Ecosystems. *Linking species and ecosystems*. (eds. C.G. Jones and J.H. Lawton), pp 240-252. Chapman and Hall, New York, USA.
- Stocking, M.A. (1984) *Erosion and Soil Productivity*. A review FAO consultants working paper no I Soil conservation program, land and water development division FAO, Rome Italy.
- Strong, D.R. (1992) Are trophic cascade all wet? Differentiation and donor control in speciose ecosystems. *Ecology*, **73**, 747-754.
- Sudhakar, M.L., Arrawatia, A.K., Sengupta, S. & Radhakrishnan, K. (1998) Forest cover mapping of Sikkim: A remote sensing approach. *Sikkim Perspectives for Planning and Development*. (eds. S.C. Rai, R.C. Sundriyal & E. Sharma), pp. 205-216. Sikkim Science Society and Bishen Singh Mahendra Pal Singh. Dehradun.
- Sugunan, V.V. (1995) *Reservoir Fisheries of India*. FAO Fish. Tech Pap. **345**, 1-423.
- Sundriyal, R.C (1995) Forage resources and animal maintenance: A watershed study case from Sikkim Himalaya. V International Rangeland Congress, Salt Lake City, Utah, USA. 71-72 pp.
- Sundriyal, R.C. and Bisht, N.S. (1988) Tree structure, regeneration and survival of seedlings and sprouts in high mountain forest of the Garhwal Himalayas, India. *Vegetatio*, **75**, 87-90.
- Sundriyal, R.C. and Sharma, E. (1996) Anthropogenic pressure on the tree structure and biomass in the temperate forest of Mamlay Watershed in Sikkim. *Forest Ecology and Management*, **81**, 113-134.
- Sundriyal, R.C., Sharma, E., Rai, L.K and Rai, S.C. (1994) Tree structure, regeneration and woody biomass removal in a subtropical forest of Mamlay Watershed in the Sikkim Himalaya. *Vegetatio*, **113**, 53-63.
- Suryanarayanan, N. (1996) *Environmental state of the art of Indian-lakes and reservoirs*. Conservation and management of Lakes/Reservoirs in India. (ed. M. Ando), pp. 19-34. International Lake Environment Committee Foundation, Shiga, Japan.
- Systat. (1996) Statistics. Systat 6.0 for Windows. SPSS Inc., Chicago

- Tamang, P. (1992) *Systematics, distribution and ecology of the Ichthyospecies of Sikkim and their bearing on the fish and fisheries of the state*. (Ph D. thesis). Gauhati University, India.
- Thorpe, V.A. (1968) Determination of the volume weights, water holding capacity, and air capacity of water-saturated peat materials. *Journal of the A.O.A.C.*, **51**, 1296-1299.
- Trisal, C.L. (1987) Ecology and conservation of Dal lake, Kashmir. *Wat. Res. Dev.*, **3**, 44-54.
- Trivedy, R.K. and Goel, P.K. (1986) Chemical and biological methods for water pollution studies. Environmental Publication, Karad, India
- Tundisi, J.D. and Saijo, Y. (1997) *Limnological studies on the Rio Doce Valley Lakes, Brazil*. Brazilian Academy of Science, USP-EESC-CRHEA, 513 pp.
- Tunseen, M. E. and Patrick, W.H. Jr. (1972) Nitrogen transformations in waterlogged soil, Louisiana State Univ. Dept of Agronomy, Agr. Exp. Sta. Bull. 6-75.
- Valdiya, K.S. (1980) Stratigraphic scheme of the sedimentary units of the Kumaun Himalaya. *Stratigraphy and Correlations of Lesser Himalayan Formation*. (eds. K.S. Valdiya and S.B. Bhatia), pp 7-48. Hindustan Publication Corporation, Delhi, India.
- Van Buitenen, J.A.B. (1975). *The Mahabharata*, 3 Vols. University of Chicago press, Chicago. **2**, 1-308.
- van der valk, A.G. and Davis, C.B. (1978) Primary production of Prairie Glacial Marshes. *Fersh Water Wetlands: Ecological Process and Management*. (eds. R.E. Good, D.F. Whigham and R.L. Simpson), pp 21-37. Academic Press , New York.
- van der Valk, A.G., Davis, C.B., Baker, J.L. and Beer, C.E. (1978) Natural freshwater wetland as nitrogen and phosphorous traps for land runoff. *Wetland Functions and Values: The State of Our Understanding*. (eds. P.E. Greenson, J.R. Clark and J.E. Clark), pp. 457-467. American Water Resources Associations, Menneapolis.
- Vanni, M.J. and Layni, D.C. (1997) Nutrient recycling and the herbivory as mechanisms in the "Top-Down" effects of fish on algae in lakes. *Ecology*, **78**(1): 21-40.
- Vanni, M.J., & Findlay, D.L. (1990) Trophic cascades and phytoplankton community structure. *Ecology*. **71**, 921-937.

- Venugopalan, V.P., Nandakumar, K., Rajamohan, R., Sekar, R and Nair, K.V.K. (1998) Natural eutrophication and fish kill in a shallow fresh water lake. *Current Science*, **74** (10), 915-917.
- Vollenweider, R.A. (1968) Scientific fundamentals of the eutrophication of lakes and flowing waters, with particular reference to Nitrogen and phosphorus as eutrophication, Organisation for Economic Cooperation and Development, Paris.
- Vollenweider, R.A. (1969) *A Manual on Methods for Measuring Primary Production in Aquatic Environments*. IBP Handbook. No. 12. Blackwell Scientific Publication, Oxford.
- Walter, H. (1973) *Vegetation of the Earth*, Springer-Verlag, New York. 237 pp
- Waring, R.H., Rogers, J.J. and Swank, W.T. (1981) Water relation and hydrologic cycles. *Dynamic Properties of Forest Ecosystems*. (ed. D.E. Reichle), pp. 205-264. International Biological Programs **23**, Cambridge University Press. London.
- Wetzel, R.G. (1983) *Limnology*, (2nd edn.) Saunders CO, Philadelphia
- Whitford, P.B. (1949) Distribution of woodland plants in relation to succession and clonal growth. *Ecology*, **30**, 199-208.
- Willen, T. (1959) The phytoplankton of Gorwallm a bay of lake Malaren. *Oikos*, **19**, 241-274.
- Wilson, M.V. (1991) Age structure patterns in *Abies amabilis* stands of the cascade mountains. *Am. Midl. Nat.*, **125**, 331-339.
- Wyatt-Smith, J. (1982) The agricultural systems in the hills of nepal. Agricultural Projects Services C, Occ papers:1 kathmandu, 17pp.
- Waksman, S.A. and Stevens, K.R. (1929) Contribution to the chemical composition of peat V. The role of microorganism in peat formation and decomposition. *Soil Sci* **28**, 315-340
- Wanganeo, A. and Wanganeo, R. (1991) Algal population in valley lakes of Kashmir Himalaya. *Arch Fur Hydrobiol.*, **121**(2) 219-233
- Welch, P. S. (1952) *Limnological Methods*. (2nd edition). McGraw Hill Book Co, New York
- Wetzel, R.G. (1975) *Limnology*. WB Saunders, Philadelphia
- Yoshimura, S. (1936) A contribution to the knowledge of deep-water temperature of Japanese lakes. Part II Winter temperatures *Japanese J. Astr. Geophys.*, **14**, 57-83.

- Yosuf, A.R. (1989) Zooplankton studies in India with special reference to North India. *A Critical View for Management of Aquatic Ecosystems* (eds. V.P. Agarwal, B.N. Desai and S.A.H. Abidi), pp. 309-324. Society of Biosciences, Muzaffarnagar.
- Zafar, A.R. (1966) Limnology of the Hussain Sagar Lake. Hyderabad, India, *Phykos*, **5**, 115-126.
- Zajic, J.E. (1971) *Water Pollution Disposal and Rense*, Vol I. Marcel Daker Inc., New York.
- Zoltai, S.C. (1988) Wetland environment and classification. Wetlands of Canada, Ecological Land Classification Series, NO. 24, (ed. National Wetland Working Group), pp 1-26. Ontario and Polyscience Publication, Inc., Montreal, Quebec.
- Zutshi, D.P., Kaul, V. and Vass, K.K. (1972) Limnology of high altitude Kashmir lakes. *Verh. Int. Limnol.*, **18**, 599-604.
- Zutshi, D.P., Subla, B.A., Khan, M.A. and Wanganeo, A. (1980) Comparative limnology of nine lakes of Jammu and Kashmir Himalayas. *Hydrobiologia*, **80**, 101-112.
- Zutshi, D.P. and Khan, M.A. (1977) Limnological investigation of two subtropical lakes. *Geobios*, **4**, 45-48.
- Zutshi, D.P. (1985) The Himalayan lake ecosystems. *Environmental Regeneration in Himalayas: Concept and Strategies*. (ed. J.S. Singh), The Central Himalayan Environment Association & Gyanodaya Prakashan, Nainital, 225-338 pp.