

## **VI. REFERENCES**

## REFERENCES

- Abbasi, S.A., Naseema Abbasi and K.K.S. Bhatia, 1997. Wetlands of India - Ecology and Threats. Vol. 111 - The wetlands of Kerala.
- Achuthankutty, C.T. 1990. Riches from mangroves. *Sci. Rep.* 27 (11): 12-16.
- Achuthankutty, C.T. and S.R. Sreekumaran Nair, 1980. Mangrove swamps as fry source for shrimp culture: A case study. *Mahasagar*. 13 (3): 269-276.
- Ahmad, F. 1972. Coastal geomorphology of India. W.H. Pat Wardhan, New Delhi.
- Ahmad, K. J. 1972. Cuticular studies in some Acanthaceae and Solanaceae. Ph.D. Thesis, Lucknow University.
- Ahmad, K. J. 1979 b. 'Stomatal features of Acanthaceae in structure and function of stomata'. pp.43-60. Bishen Singh Mahendra Pal Singh, Dehra Dun.
- Akhil Baruah and Subhan, C. Nath, 1997. Foliar epidermal characters in twelve species of *Cinnamomum*, Schaeffer (Lauraceae) from North Eastern India. *Phytomorphology*. 47: 127-134.
- Aksornkoae, S. 1993. Ecology and management of mangroves. The IUCN Wetlands Programme.
- Aksornkoae, S., G. Wattayakorn and W. Kaitpraneet, 1978. Physical and chemical properties of soil and water in mangrove forest at Amphoekhlung.
- Aldrich, P.R., J. Doebley, K.F. Schertz and A. Stec, 1992. Pattern of allozyme variation in cultivated and wild *Sorghum bicolor*. *Theor. Appl. Genet.* 8: 451 - 460.
- Anand, S.K. and M.M. Bhandari, 1983. Pollen morphology of Rubiaceae from Mount Abu (Rajasthan, India). *J. Econ. Taxon. Bot.* 4: 335 - 342.

- Andrew Hart, E. and James R. Lovvorn, 2000. Vegetation dynamics and primary production in saline, lacustrine wetlands of a Rocky Mountain Basin. *Aquat. Bot.* 66: 21 - 39.
- Anirudhan, T.S., A.N. Balchand, S.M. Nair and R.N.K. Nambisan, 1984. Distribution pattern of salinity and silicon and their inter-relationship in Cochin Backwaters. In: Proceedings of the National Seminar on Estuarine Management. pp 26.
- Anjum Farooqui, 2000. Leaf cuticular and epidermal traits and elemental status in *Rhizophora* species in a coastal wetland ecosystem. *Phytomorphology*. 50 (3,4): 317- 325.
- Annie Deleela, C.J. 1994. Morphological and anatomical studies in some South Indian Scrophulariaceae. Ph. D. Thesis, M. G. University, Kottayam.
- Arnoldi-Poddubnaya, V.A., N.V. Zinger, T.P. Petrovskaya-Baranova and N.N. Poulunina, 1961. Histochemical study of the pollen grains and pollen tubes in the angiosperms. *Recent Advances in Botany*. Toront, Canada.
- Arnon, D.I. 1949. Copper enzymes in isolated chloroplast: Polyphenoloxidase in *Beta vulgaris*. *Plant Physiol.* 24: 1-15.
- Avita and Inamdar, J.A. 1978. Structure, ontogeny and taxonomic significance of trichomes and stomata in some Capparidaceae. *Feddes Repert.* 89:19 - 30.
- Avita and Inamdar, J.A. 1980. Structure and ontogeny of stomata in Ranunculaceae and Paeoniaceae. *Flora*. 170: 354 - 370.
- A.O.A.C. 1965. Official methods of analysis of the association of official agricultural chemists. 10<sup>th</sup> ed<sup>n</sup> published by the Association of agricultural chemistry, Washington D.C.
- Babu, K.N. 1999. Environmental studies in relation to mangroves. Ph.D. Thesis, University of Mumbai.
- Badarudeen, A. and S. Sakkir, 1998. Distribution of Na and K in the sediments of Veli, Kochi and Kannur mangroves, Kerala. *Indian Jour. Mar. Sci.* 27: 253 - 255.
- Baker, J.R. 1947. Further remarks on the histochemical recognition of lipids. *Q. J. Microscop. Sci.* 88: 463 - 465.

- Balakrishnan, A. 1957. Variation of salinity and temperature in Ernakulam Channel. *Bull. Cent. Res. Inst. Trav.* 5 (2): 7-9.
- Banerjee, A.K. 1964. Forests of Sunderbans.
- Banijbatana, D. 1957. Mangrove forest in Thailand. Proc. 9<sup>th</sup> Pacific Science Congress, Bangkok. 22 - 34.
- Baranova Margarita, 1992. Principles of comparative stomatographic studies of flowering plants. *Bot. Rev.* 58: 49 - 99.
- Barboza Gloria, E. 1986. Palynological studies of *Jaborosa*, Juss. and *Trechonates*, Meirs (Solanaceae). *Bot. Acad. Nac. Ciene. (Cordoba)* 57: 357- 376.
- Basak, U.C., A.B. Das and P. Das, 1996. Chlorophylls, carotenoids, proteins and secondary metabolites in leaves of 14 species of mangroves. *Bulletin Mar. Sci.* 58: 654 - 659.
- Basha, S.C. 1991. Distribution of mangroves in Kerala. *Indian Forester.* 117(6): 439 - 448.
- Basha, S.C. 1992. Mangroves of Kerala: A fast disappearing asset. *Indian Forester.* 118 (3): 175 -190.
- Bate-Smith, E.C. 1962. The phenolic constituents of plants and their taxonomic significance. *J. Linn. Soc. (Bot.)* 58: 95 -173.
- Bendz, G. and J. Santesson, (eds.) 1973. Chemistry in botanical classification. Nobel symposium 25, New York and London.
- \*Benecke, W. 1892. Die Nebenzellen der Spaltöffnungen. *Bot. Zeit.* 50: 521-529, 537-546, 553-562, 569-578, 585-593, 601-607.
- Benner, R., E.R. Peele and R.E. Hodson, 1986. Microbial utilization of dissolved organic matter from leaves of the red mangrove, *R.mangle*, in the Fresh Creek, Estuary, Bahamas. *Estuarine Coastal Shelf Sci.* 23: 607- 619.
- Bensen, L. 1962. Plant Taxonomy. Ronald Press. New York. Bernier, G. 1969. In: The induction of flowering. 305 - 309. (ed.) L.T. Evans, Mac Millan of Australia.
- Bernier, G. 1969. In: The induction of flowering. 305 - 309. (ed.) L.T. Evans, Mac Millan of Australia.

- Bernier, G., J.M. Kinet and R.M. Sacle, 1981. The physiology of flowering. Vol 1. C.R.C. Press, Boca Raton, Florida. pp.168.
- Bewli, K.S., Jolly Singh and S.V.S. Chauhan, 1995. Studies on pollen morphology of some Bignoniaceae. *Journ. of Palynology*. 31: 137-149.
- Bhosale, N.B., V.K. Dhargalkar, S.G.P. Matondkar and Sayceda, S. Bukhari, 1976. Biochemical composition of mangrove leaves from Goa. *Indian J. Mar. Sci.* Vol. 5 (2): 239 - 241.
- Bijukumar, A. 1999. Our vanishing wetlands. *Science Reporter*. 9 (12): 10 -15.
- Bir Bahadur and N. Ramaswamy, 1997. Foliar epidermal features and their taxonomic significance in ten species of *Hypericum*, L. (Hypericaceae). *Rheedea*. 7 (1): 15 -25.
- Blasco, F. 1975. The mangroves of India. *Trav. Sect. Sci. Tech. Inst. Fr. Pondicherry*. Institut Francais de Pondicherry, India. pp 175.
- Blasco, F. 1977. Outlines of ecology, botany and forestry of the mangals of the Indian subcontinent, Chap.12 in *Ecosystems of the World*. Vol. 1. Wet Coastal Ecosystems, ed. V.J. Chapman. Amsterdam: Elsevier Scientific.
- Blasco, F. 1984. Taxonomic consideration of the mangrove species. - In: *The Mangrove Ecosystem: research methods*. Snedaker, S. and J. Snedaker, eds., UNESCO, Monographs on Oceanographic Methodology. 8: 81-90.
- Blatter, E. 1905. The mangrove of Bombay Presidency and their biology. *J. Bom. Nat. His. Soc.* 16: 644 - 656.
- Bopiah, B.A. and B. Neelakandan, 1986. An appraisal of the prospects for aquaculture in the marine whole estuarine tidal creek, Karwar. In: *Proc. Symp. Coast. Aquaculture*. 4: 1042-1052.
- Borsch Thomas, 1998. Morphological and evolutionary significance of pollen types in Amaranthaceae. *Grana*. 37: 377- 378.
- Bowman, H.H.M. 1917. Ecology and physiology of the red mangrove. *Proc. Amer. Philos. Soc.* 56: 589 - 672.

- Brown, P.H., R.D. Graham and D.J.D. Nicholas, 1984. The effect of phenolics and lignin in young wheat plants. *Plant and Soil*. 81: 437- 440.
- Brown, W.V.R. 1958. Leaf anatomy in grass systematics. *Bot. Gaz.* 119: 170 -178.
- Brugnoli, E and O. Bjoerkman, 1992. Growth of cotton under continuous salinity stress: Influence on allocation pattern, stomatal and non-stomatal components of photosynthesis and dissipation of excess light energy. *Planta*. 187: 335 - 347.
- Carlquist, S. 1961. Comparative Plant Anatomy - A guide to taxonomic and evolutionary application of anatomical data in angiosperms. Holt Rinchart and Winston, New York.
- Carola Regina Volponi, 1999. Stomatogenesis in Caryophyllaceae. *Phytomorphology*. 49 (3): 253-259.
- Carriera Lea, M. Medeiros, 1985. Palynological study of the Myristicaceae of Brazil. *Biol. Mus. Para. Emilio Geoldi Ser. Bot.* 2: 29-76.
- Chakrabarti, K. 1993. Biodiversity of the mangrove ecosystem of Sunderbans. *Indian Forester*. 119 (11): 891-898.
- Chakrabarti, K. 1999. Man, Nature and Ocean - An ecology perspective of coastal ecosystem of Sunderban forests. *Indian Forester*. 125(8): 753-759.
- Chanda, S. 1977. An eco-floristic survey of the mangroves of Sunderbans, West Bengal.
- Chapman, D.M. 1975. Dichromatism of bromophenol blue technique for protein. *Stain Technol.* 50: 25-30.
- Chapman, V.J. 1975. Mangrove biogeography. (G. Walsh, S. Snedaker and H. Teas, eds.) *Proc. Intl. Symp. Biol. Mgmt. Mangroves*, Honolulu, Univ. Florida. pp 3-22.
- Chapman, V.J. 1976. Mangrove vegetation. (Valduz, Germany: J. Cramer).
- Cherian, P.V. 1967. Hydrological studies in and around Cochin harbour. *Bull. Dept. Mar. Biol. Oceanogr.* Univ. Kerala. pp 9-17.

- Chopra, R.N., S.L. Nayar and I.C. Chopra, 1956. Glossary of Indian Medicinal Plants. CSIR, New Delhi.
- Choudhury, A. 1979. Mangrove environment of Sunderbans, West Bengal, India. pp 125-138.
- Cronquist, R. 1968. The evolution and classification of flowering plants. Nelson, London.
- Curtis, A.H. 1888. How the mangroves form islands - Garden and Forest 1:100.
- Cutler, D.F. 1985. Applied plant anatomy. Longman, London and New York.
- Das, S. and M. Ghose, 1993. Morphology of stomata and leaf hairs of some halophytes from Sunderbans, West Bengal. *Phytomorphology*. 43: 59-70.
- Das, S. and M. Ghose, 1996. Anatomy of leaves of some mangroves and their associates of Sunderbans, West Bengal. *Phytomorphology*. 46 (2): 139-150.
- Das, S. and M. Ghose, 1997. Development of stomata and leaf hair in some mangroves. *Phytomorphology*. 47 (4): 389-394.
- Das, S., S.K. Mitra and K.K. Mukherjee, 1995. SEM studies on seed coat of some species of Ipomoea (Convolvulaceae). *Phytomorphology*. 45(1,2): 113-125.
- Datta, S.C. and B. Mukherji, 1952. Pharmacognosy of Indian leaf drugs. Govt. of India Press, Calcutta.
- Davis, J.H. Jr. 1938. Mangroves, makers of land. *Nature Magt.* 31: 551-553.
- Davis, P.H. and V.H. Heywood, 1963. Principles of Angiosperm Taxonomy. Oliver and Boyd, London.
- Davis, P.H. and V.H. Heywood, 1967. Principles of Angiosperm Taxonomy. (reper. Ed.) Edinburgh and London : Oliver and Boyd.

- Dawson, I.K. 1996. Detection and pattern of interspecific hybridisation between *Glincidia sepium* and *G.maculata* in Meso-America revealed by PCR-based assays. *Mol. Ecol.* 5: 89-98.
- Dawson, I.K., A.J. Simons, R. Waugh, W. Powell, 1995. Diversity and genetic differentiation among subpopulations of *Glincidia sepium* revealed by PCR-based assays. *Heredity.* 74: 10-18.
- Day, Jr. J.W., Carlos Coronado-Molina, F.R. Vera-Herrera, R. Twilley, V.H. Rivera-Monroy, H. Alvarez-Guillen, R. Day and W. Conner, 1996. A seven year record of above-ground net primary productivity in a South eastern Mexican mangrove forest. *Aquat. Bot.* 55: 39-60.
- Day, J.W. and R.H. Day, 1982. Primary production in the Laguna de Jeiminos, a tropical estuary in the Southern Gulf of Mexico. *Oceanol. Acta.* 5 (4).
- De la Cruz, A.A. 1979. The functions of mangroves. In: Mangrove and estuarine vegetation in south east Asia. *Publ. Biotrop. Special Publ. No. 10*, Bogor, Indonesia. pp 125-138.
- Desborough, S. and S.T. Peloquin, 1969. Acid disc gel electrophoresis of tuber proteins from *Solanum* species. *Phytomorphology.* 8: 425 - 429.
- Deshmukh, S.V. 1991. Mangroves of India: status report. (eds.) Deshmukh, S.V. and R. Mahalingam, A global network of mangrove genetic resource centres project formulation workshop, Madras, India. 15-25.
- Deshmukh, S.V. and V. Balaji (eds.) 1994. Conservation of mangrove forest genetic resources - A training manual. M. S. Swaminathan Research Foundation. CRSARD Madras. pp 1-487.
- De Silva, K.H.G.M. and S. Balasubramanian, 1985. Some ecological aspects of the mangroves on the west coast of Sri Lanka. *Ceylon J. Sci.* 18: 22-37.
- Devapriyan, R. 1990. Studies on the ecology and production of algae in Prawn culture systems. Ph. D. Thesis, Cochin Univ. Sci. Tech. CMFRI, cochin.



- Devassy, V.P. and C.K. Gopinathan, 1970. Hydrobiological features of the Kerala back waters during pre and post monsoon months. *Fish. Technol.* 7: 190-194.
- Dewar, T. 1933. The histology of the leaves of *Digitalis thapsi*. *Q. J. Pharm. Pharmae.* 7: 1-22.
- Dewar, T. 1934 a. The histology of the leaves of *Digitalis lutea*. *Q. J. Pharm. Pharmae.* 7:1-22.
- Dewar, T. 1934 b. The histology of the leaves of *Digitalis lanata*, Ehrh. *Q. J. Pharm. Pharmae.* 7: 331-345.
- Dodd, R.S., F. Fromard, Z.A. Rafii, and F. Blasco, 1995. Biodiversity among West African *Rhizophora*: Foliar wax chemistry. *Biochem. Syst. Ecol.* 23: 859-868.
- Donovan, L.A. and J.L. Gallagher, 1985. Morphological responses of a marsh grass, *Sporobolus virginicus* (L.) Kunth., to saline and anaerobic stress. *Wetlands.* 5: 1-13.
- Drake, B.G. 1989. Photosynthesis of salt marsh species. *Aquat. Bot.* 34: 167-180.
- Duke, N.C. 1992. Mangrove floristics and biogeography. Robertson, A.I. and D.M. Alongi (eds.) Tropical mangrove ecosystems. S. 101-136. Coastal and Estuarine studies, 41, American Geophysical Union, Washington. 63 -100.
- Edwards, W.N. 1935. The systematic value of cuticular characters in recent and fossil angiosperms. *Biol. Rev. & Biol. Proc. Camb. Phil. Soc.* 10: 422-459.
- Erdtman, G. 1944. Pollen morphology of cereals with notes on the pollen morphology in *Triticale*. *Svensk Bot. Tidskr.* 38: 79 - 80.
- Erdtman, G. 1948. Did dicotyledonous plants exist in early Jurassic time. *Geol. Foren. Stock. Fort.* 70: 265 - 271.
- Erdtman, G. 1952. Pollen morphology and plant taxonomy of Angiosperms. Almquist and Wiksell, Stockholm.
- Erdtman, G. 1954 a. "An introduction to pollen analysis". Stockholm.

- Erdtman, G. 1954 b. Pollen morphology and plant taxonomy. *Botaniska Notiser*. 2: 65 - 81.
- Erdtman, G. 1954 c. On pollen grains and dinoflagellate cysts in the firth of Gullmarn. S.W. Sweden. *Ibid.* pp 103 -111.
- Erdtman, G. 1956. Current trends in palynological research. *Grana Palynologica*. 1: 127-139.
- Evans, L.J. 1971. *Ann. Rev. Plant Physiol.* 22: 365 - 394.
- Fahn, A. 1988. Secretory tissues in vascular plants. *New Phytol.* 198: 229 - 257.
- Feder, N. and M.K. Wolf, 1965. Studies on nucleic acid metachromacy. 11. Metachromatic and Orthochromatic staining by toluidine blue of nucleic acid in tissue sections. *U. Cell. Biol.* 27: 327- 336.
- Ferguson, I.K. and J. Muller, 1976. The evolutionary significance of exine. *Linn. Soc. Symp.*
- \*Florin, R. 1931. Untersuchungen Zur Stammesgeschichte der Coniferales and Cordaitales. *K. Svensk. Vetenskaps. Handl.* 111. 10: 1- 588.
- \*Florin, R. 1933. Studies uber die Cycadales des Mesozoikums...Erorterung uber die spaltoffnung sapparate der Bennettiales, *K. Svensk. Vetenskaps. Handl.* 111. 12: 1-134.
- Franchi, G.G., L. Bellani, M. Nepi and E. Pacini, 1996. Types of carbohydrate reserves in pollen: localization, systematic distribution and ecophysiological significance. *Flora*. 191: 143 - 159.
- Fryns-Claessens, E. and W. Van Cotthem, 1973. A new classification of the ontogenetic types of stomata. *Bot. Rev.* 39: 71-138.
- Gaarder, T. and H.H. Gran, 1927. Investigations of the production of plankton in the Oslo Fjord. *Rapp. Proc. Verb. Cons. Expl. Mer.* 42: 1- 48.
- Gamble, J.S. 1915-1936. Flora of the Presidency of Madras. ed. 1965. 3 Vols. Botanical Survey of India, Calcutta.

- George, Thomas, 1996. Comparative studies on the ecobiology of mangrove communities along the backwater system of Kerala. Ph. D. Thesis. University of Kerala. pp 421.
- George, Thomas and T.V. Fernandez, 1994. Mangrove and Tourism: Management Strategies. *Indian Forester*. 120 (5): 406 - 412.
- George, Thomas and Tresa Radhakrishnan, 1999. Man and mangroves: How far do they go hand in hand? A perspective with respect to the mangrove ecosystems of Kerala State. *Indian Forester*. pp 1248 -1254.
- George, M.J., K.H. Mohamed and N.N. Pillai, 1968. Observations on the paddy field prawn filtration of Kerala, India. *FAO Fish. Rep.* 57 (2): 427- 442.
- Gibbs, R.D. 1963. History of chemical taxonomy In Swain (1963) pp 41- 88.
- Gibbs, R.D. 1974. Chemotaxonomy of flowering plants. Montreal & London.
- Giridhar Hadnooker, K.D. Namboodiripad, E.J. James and G. Ranganna, 1987. Salinity distribution pattern in the Beypore estuary. In: Proceedings of the National Seminar on Estuarine Management. pp 59.
- Gomori, G. 1952. Microscopic Histochemistry, Principles and Practice. The Univ. of Chicago Press. Chicago, Illinois.
- Gopal, B. and K. Krishnamurthy, 1993. Wetlands of South Asia. In: Wetlands of the World 1: Handbook of Vegetation Science. Inventory, ecology and management (eds.) Whigham, D.F., D. Dykyjova and S. Hejny. 345-414.
- Gopalakrishnan, T.C., C.B. Lalithambika Devi, P.N. Aravindashan, K.K.C. Nair, T. Balasubramanian and M. Krishnankutty. 1988. Phytoplankton and zooplankton of some of the paddy cum fish culture fields in and around Cochin. *Mahasagar*. 21 (2): 85 - 94.
- Gopinathan, C.P. 1972. Seasonal abundance of phytoplankton in Cochin back water. *J. Mar. Biol. Ass. India*. 14 (2): 568 - 577.
- Gopinathan, C.P. 1975. Studies on the estuarine diatoms of India. *Bull. Dept. Mar. Sci.* 7 (4): 995 -1004.

- Gopinathan, C.P. 1984. Quantitative ecology of phytoplankton in Cochin back water. *Indian J. Mar. Fish.* 31: 325 - 336.
- Gopinathan, C.P. and M.S. Rajagopalan, 1983. Mangrove resources. In: Mariculture potential of Andaman and Nicobar islands-an indicative survey Ibid. *Bull. Cent. Mar. Fish. Res. Inst.* 34 (7): 44 - 46.
- Gopinathan, C.P., P.V.R. Nair and A.K.K. Nair, 1974. Studies on the phytoplankton of the Cochin back water, a tropical estuary. *Indian J. Fish.* 21 (2): 50 - 513.
- Gopinathan, C.P., P.V.R. Nair, V. Kunjukrishna Pillai, P. Parameswaran Pillai, M. Vijayakumaran and V.K. Balachandran, 1982. Environmental characteristics of the seasonal and perennial prawn culture fields in the estuarine system of Cochin. *Proc. Symp. Coastal Aquaculture.* 1: 369 - 382.
- Gotts-berger, G. and G. Ilse Selberbaner, 1989. Pollen units, pollen shape and apertural position in the Anonaceae: A reassessment. *Beitr. Biol. Pflanz.* 59: 465 - 474.
- Govindasamy, C., L. Kannan and Jayapaul Azariah, 2000. Seasonal variation in physico-chemical properties and primary production in the coastal water biotopes of Coromandel Coast, India. *J. Environ. Biol.* 21 (1): 1-7.
- Hagerup, O. 1953. The morphology and systematics of the leaves in Ericales. *Phytomorphology.* 3: 459 - 464.
- Harborne, J.B. (ed.) 1964. "Biochemistry of phenolic compound". Academic Press, London and New York.
- Harborne, J.B. 1967. Comparative biochemistry of Flavanoids. Academic Press, London and New York.
- Harborne, J.B., D. Boulter and B.C. Turner (eds.) 1971. Chemotaxonomy of the Leguminosae. Academic Press, London and New York.
- Harris, R.C., D. White and R.B. Mac Farlane, 1970. Mercury compounds reduce photosynthesis of plankton. *Science.* 170: 736 - 737.
- Heald, E. 1971. The production of organic detritus in a South Florida estuary. *Univ. Miami Sea Grant. Tech. Bull.* 6, 110.

- Hebda, R.J., C.C. Chinnappa and B.M. Smith, 1988. Pollen morphology of the Rosaceae of Western Canada 11. *Dryas, Fragaria, Holodiscus*. *Can. J. Bot.* 66: 595 - 612.
- Heywood, V.H. 1969. Scanning electron microscopy in the study of plant materials. *Micron*. 1: 1-14.
- \*Hilderbrand, F. 1866. Uber die Entwicklung der Farnkrant Spaltöffnungen. *Bot. Zig.* 24: 245 - 251.
- Hilditch, T.P. 1934. c.f. Swain, T. 1963.
- Hilditch, T.P. 1956. The chemical constitution of natural fats. 3<sup>rd</sup> ed. Chapman and Holl, London.
- Hilditch, T.P. and J.A. Lovern, 1936. 'The evolution of natural fats'. *Nature*. 137- 418. c.f. Swain, T. 1963.
- Hitchcock, A.S. 1891. A visit to the West Indies. *Bot. Gaz.* 1891: 130 -141.
- Hodge, W.H. 1956. The trees that walk to the sea. *Nature Magt.* 49: 456.
- Holl, W. 1975. Radial transport in rays. In: Encyclopedia of plant physiology, New series Vol. 1. Transport in plants. 1. Phloem transport. (eds.) M.H. Zimmermann and J.A. Milburn. pp 432-450. Springer-Verlag, Berlin, Heidelberg and New York.
- Hooker, J.D. 1885. The Flora of British India. 7 Vol. L. Reeve and Co. London.
- Hossain, A.B.M.E. 1974. Studies in Acanthaceae, tribe Nelsonieae 11. Foliar sclerids and stomata. *Notes R. Bot. Gard. Edinb.* 33: 269 - 274.
- Huang Tseng Chieng, 1989. Palynological study of the Apocynaceae of Taiwan. *Grana*. 28: 85 - 96.
- Hynes, N.B.N. 1970. The ecology of running water. Liverpool University Press, England.
- Ignatius, C.A. 1995. Ecological and productivity studies of prawn farms in Central Kerala. Ph.D. Thesis. Cochin Univ. Sci. Tech. CMFRI, Cochin.

- Inamdar, J.A. 1970. Epidermal structure and ontogeny of Caryophyllaceous stomata in some Acanthaceae. *Bot. Gaz.* 131: 261-268.
- Inamdar, J.A. and Avita, 1979. Studies in *Cabomba aquatica*, Aubl. *Plant Syst. Evol.* 132: 16 -166.
- Inamdar, J.A. and R.C. Patel, 1969. A new technique for making epidermal imprints using various domestic adhesives. *J. Micro.* 90: 269 - 272.
- Inamdar, J.A., D.C. Bhatt and G.S. Chaudhari, 1983. Structure and development of stomata in some Acanthaceae. *Proc. Indian Acad. Sci. Plant Sci.* 92: 285-296.
- Inamdar, J.A., J.S.S. Mohan and R. Bhagavathi Subramanian, 1986. Stomatal classifications - a review. *Feddes Repert.* 97: 147-160.
- Inamdar, J.A. and N.V. Rao, 1982. Histochemistry of the leaf epidermis in some Cruciferae. *Ceylon J. Sci. Biol. Sci.* 15: 92-100.
- Jayalakshmi, S.K. and K. Ramachandran, 1993. Pollen morphology of *Anthurium* from South India. *J. Palynology.* 29: 1-10.
- Jayalakshmi, K.V., S. Kumaran and M. Vijayan, 1986. Phytoplankton distribution in Cochin back water - A seasonal study. *Mahasagar.* 19 (1): 29 - 37.
- Jensen, W.A. 1962. Botanical Histochemistry. Freeman, San Francisco.
- Jhingran, V.G. 1975. Fish and Fisheries of India. Hindustan Publ. Corp. India. pp 954.
- Johansen, D.A. 1940. Plant Microtechnique. Mc Graw-Hill Book Co. Inc., New York. pp 523.
- John, R.R. and J.J. Skvarla, 2000. The elasticity of the exine. *Grana.* 39: 1-7.
- Josanto, V. 1971. Bottom salinity characteristics and the factors that influence the salt penetration in the Vembanad lake. *Bull. Dept. Mar. Sci. Univ. Cochin.* 5: 1-16.

- Joshu, K.K. 1990. Nature and ecological significance of nutrient regeneration in different prawn culture fields. Ph.D. Thesis. Cochin Univ. Sci. and Tech. pp 192.
- Joykrushna Jena, 1989. On the distribution and abundance of fry and juveniles of a few cultivable fishes in relation to environmental parameters at Cochin. M.Sc. Dissertation. Cochin Univ. Sci. Tech. pp 140.
- Kannabiran, B. 1975. Epidermal structure and stomatal ontogeny in *Zornia*, Gmel. *Aust. J. Bot.* 23: 327 - 333.
- Kannabiran, B. 1977. Foliar epidermis and ontogeny of stomata in *Ecbolium linneanum*, Kurtz. *Proc. Ind. Acad. Sci. Sect. B.* 86: 381 - 384.
- Kannabiran, B. and K.H. Krishnamurthy, 1974. Morphology of foliar epidermis and taxonomy of the genus *Crotalaria*. *Phytomorphology.* 24: 61 - 68.
- Kannupandi, T. 1997. Mangroves of India. State-of-the-art report (1987-1996) ENVIS, CASMB, Annamalai University, Parangipettai.
- Kanungo, V.K., Sanju Sinha and M.L. Naik, 2001. Net primary productivity of some aquatic macrophytes in sewage-sullage mixture. *J. Environ. Biol.* 22 (3): 219 - 223.
- Kathiresan, K. 1991. Uses of mangroves. *Yojana.* 31: 27-29.
- Kathiresan, K. 1995 c. *Rhizophora annamalayana* : A new species of mangroves. *Environ. Ecol.* 13: 240 - 241.
- Kathiresan, K. 1998. A pioneer in mangrove research, too! An Anthology of Indian Mangroves, 1998. ENVIS Publication, Annamalai University, Parangipettai.
- Kathiresan, K. and Shigayuki Baba, 1999. Facts about mangroves of Japan. *Seshaiyana.* Vol. 7, No. 2.
- Kathiresan, K. nad A. Veera Ravi, 1990. Seasonal changes in tannin content of mangrove leaves. *Indian Forester.* 116 (5): 390 - 392.
- Katti, R.J., B. Mohanakumar, K.S. Venkatesha Moorthy and Ronald, K.D'souza, 2001. Hydrography and net phytoplankton in the

- Arabian Sea of Chitrapur receiving industrial effluents - pre and post assessment. *Poll. Res.* 20 (3): 373 - 382.
- Khan, K.A. 1994. Studies on the pollen morphology of Indian Ranunculaceae. *J. Palynology.* 30: 51-72.
- Kiew, R. 1984. Preliminary pollen study of the Oleaceae in Malaysia. *Gard. Bull.* (Singapore) 37: 225 - 230.
- Kotmire, S.Y. and Leela J Bhosale, 1980. Chemical composition of leaves of *A.officinalis*, L. and *A.marina*, var. *acutissima*. Stapf and Moldenke. *Indian J. Mar. Sci.* 9: 299 - 301.
- Kotreha, K. and Y.N. Seetharam, 2000. Epidermal micromorphology of some species of *Cassia*, L. (Caesalpiniaceae). *Phytomorphology.* 50(3,4): 229-237.
- Kovach, C.W., J.P. Kurdziel, R. Bowman, J. Wagner and J.M. Lawrence, 1992. The effects of stress and levels in *Hygrophila polysperma*, (Roxb.) Anders. (Acanthaceae). *Environ. Exp. Bot.* 32: 479 - 486.
- Krishnamurthy, K. 1993. The mangroves. ENVIS News Letter, Annamalai University, Parangipettai. 1: 1 - 3.
- Krishnamurthy, K., A. Choudhury and A.G. Untawale, 1987. Status report, Mangroves in India, Ministry of Environment and Forests, Govt. of India, New Delhi. pp 150.
- Krishnamurthy, K.V. 1988. Methods in plant histochemistry. Viswanathan, Madras.
- Krishnan, S., G.A.I. Ebenezer and P. Dayanandan, 2001. Histochemical localization of storage components in caryopsis of rice (*Oryza sativa*, L.). *Current Science.* 80 (4): 567 - 571.
- Kuenzler, E.J. 1974. Mangrove swamp systems. In: Coastal ecological systems of the United States, the conservation foundation, Washington D.C. 1: 346- 371.
- Kumar, S. and G.S. Paliwal, 1975. Foliar anatomy of the family Acanthaceae 11 tribe Thunbergieae and Nelsoniae. *Acta Bot. Indica.* 3: 121-131.



- Kurian, C.V. and V.O. Sebastian, 1976. Prawn and fisheries of India. Hindustan Publ. Corp. India. pp 280.
- Kyungsik Kim, Sung Soo Whang and Byung Yun Sun, 1997. Micromorphology of the leaf epidermis of Korean Umbelliferous plants. *Phytomorphology*. 47 (1): 87-95.
- Lakshmanan, K.K. 1985. Mangrove as the source of tannin - past, present and prospects. The mangroves - *Proc. Natl. Symp. Biol. Util. Cons. Mangroves*. pp 99 - 156.
- Lanly, J. P. 1994. Mangrove Forest Management Guidelines. Food and Agri-culture Organisation (FAO) of the United Nation Forestry Paper -117.
- Leu, Z.O. 1982. Studies on some physiological characteristics of rice. *Agric. Sci. in China*. 5: 33 - 39.
- Linden, O. and A. Jernelov, 1980. The mangrove swamp - an ecosystem in danger. *Ambio*. 9: 81 - 88.
- Ling, P. 1981. Stomatal studies in Chinese Taccaceae, with a discussion on its taxonomical significance. *Bull. Nanjing. Bot. Gard. Mem. Sun. Yat. Sen.* pp 20 - 24.
- Ling Lee, M., G.A. Chilvers and A.E. Ashford, 1977. A histochemical study of phenolic material in mycorrhizal and uninfected roots of *Eucalyptus fastigata* Deane and Maiden. *New Phytol.* 78: 313 - 328.
- \*Lison, L. 1936. *Histochime Animale*. Gauthier. Villars. C.f. Pearse, A.G.E. (1985).
- Logoa, A.M.A. and M. Pereira, 1992. Involvement of phenolic substances in flowering of *Phaseolus vulgaris*, L. *Revista Brasileira de Fisiologia Vegetal*. 4: 67 - 69.
- Longstreth, D.J. and P.S. Nobel, 1979. Salinity effects on leaf anatomy, consequences for photosynthesis. *Plant Physiol.* 63: 700 - 703.
- Lugo, A.E., S. Brown and M. Brinson, 1988. Forested wetlands in fresh water and salt water environments. *Limol. Oceanogr.* 33 (4, part 2): 894 - 909.

- Lowry, O.H., N.J. Rosebrough, A.L. Farr and R.J. Randall, 1951. *J. Biol. Chem.* 193: 165.
- Lowther, W.L., T.R. Manley and T.N. Barry, 1987. Condensed tannin concentration in *Lotus corniculatus* and *L. pendunculatus* cultivars grown under low soil fertility conditions. *New Zeal. J. Agri. Res.* 30: 23 - 25.
- Luneva, M.Z., V.A. Poddubnaya-Arnoldi and N.N. Bhandari, 1970. Morphological, cytological and histochemical investigations on *Nicotiana alata*, *N.glauca* and their hybrid. *Phytomorphology.* 20: 270 - 281.
- Macintosh, Donald, J. 1982. In: James F. Muir and Ronald J. Robert (ed.) Recent Advances in Aquaculture. Groom Helm Ltd. London. pp 5 - 85.
- Macnae, W. 1968. A general account of the fauna and flora of mangrove swamps in Indo-West Pacific region. *Advances in Marine Biol.* 6: 73 - 270.
- Macnae, W. and M. Kalk, 1962. The ecology of the mangrove swamps of Inhaca Island, Mozambique. *J. Ecol.* 50: 19 - 34.
- Madhusudanan Pillai, K.N. 1982. Studies on crop growth and physiology and biochemistry of flowering in Pineapple. Ph.D. Thesis, Calicut University, Calicut.
- Malik, C.P. and Kumari Usha, 1977. Histochemical studies on the localization of metabolic reserves and enzymes during the initiation and formation of adventitious roots in *Impatiens balsamina*, L.
- Malik, C.P. and R.S. Sethi, 1975. Histochemical studies and stomatal apparatus of *Phaseolus mungo*, L. 1. Localization of enzymes and structural material. *Acta Histochem.* 52: 303 - 323.
- Mathew Grant, Stephen Blackmore and Cynthia Morton, 2000. Pollen morphology of the sub family Aurantioideae (Rutaceae). *Grana.* 39: 8-20.
- Mathews, S.S. 1992. Ecological characteristics of prawn culture fields in Cochin area. Ph.D. Thesis. Cochin Univ. Sci. Tech. CMFRI, Cochin.

- Matthew, K.M. 1983. Flora of Tamil Nadu and Karnatic. Rapinat Herbarium, Tiruchirapally, India.
- Mathur, A. and M.M. Bhandari, 1983. Pollen grains of *Fragonia* and *Sectzenia* species. *J. Econ. Tax. Bot.* 4: 331 - 334.
- Mazia, D., P.A. Brewer and M. Alfert, 1953. The cytochemical staining and measurement of protein with mercuric bromophenol blue. *Biol. Bull.* 104: 57 - 67.
- Mc Cully, M.E. 1966. Histological studies on the genus *Ficus*. 1. Light microscopy of the mature vegetative plant. *Protoplasma.* 62: 287 - 305.
- Mc Key, N.M., P.G. Waterman, C.N. Mbi, J.S. Gartland and T.T. Struhsker, 1978. Phenolic content of vegetation in two African rain forests: Ecological implications. *Science.* 202: 61 - 64.
- Mc Manus, J.F.A. 1948. histological and histochemical uses of periodic acid. *Stain Technol.* 23: 99 - 108.
- Mc Nair, J.B. 1929. The taxonomic and climatic distribution of oils, fats and waxes in plants. *Amer. J. Bot.* 16: 832 - 841.
- Menon, G.G. and B. Neelakantan, 1992. Chlorophyll and light attenuation from the leaves of mangrove species of Kali estuary. *Indian J. Mar. Sci.* 21 (1): 13 - 16.
- Menon, M.K. 1954. On the paddy field prawn fishery of Travancore - Cochin and an experiment on prawn culture. *Proc. Indo-Pacific Fish. Coun.* 5<sup>th</sup> Session 2: 1 - 5.
- Merlee Teresa, M.V. 1988. Autoecological studies in some species of *Polygala*, L. Ph.D. Thesis. University of Poona.
- Merlee Teresa, M.V. and K. Rekha, 2000. Epidermal studies in the genus *Polygala*, L. *Geobios.* 27: 181 - 184.
- Metcalf, C.R. and L. Chalk, 1950. Anatomy of Dicotyledons. Oxford Clarendon Press. 2 Vols.
- Metcalf, C.R. and L. Chalk, 1979. Anatomy of Dicotyledons. Oxford Clarendon Press. 2 Vols.

- Mia, A.J. and S.M. Pathak, 1968. Histochemical studies on the shoot apical meristem of *Rawolfia* with reference to differentiation of sclerieds. *Can. J. Bot.* 46: 115 - 120.
- Mitra, R.L. and L.K. Banerjee, 1979. The genus *Bruguiera*, Lam. (Rhizophoraceae) in India. *Bull. Bot. Surv. India.* 21 (1- 4): 142 - 150.
- Mogg, A.O.D. 1963. A preliminary investigation of the significance of salinity in the zonation of species of saltmarsh and mangrove swamp association. *S. African J. Sci.* 59: 81 - 86.
- Mole, S., J.A. Ross and P.C. Waterman, 1988. Light included variation in phenolic levels in foliage of rain forest plant. 1. Chemical changes. *J. Chem. Ecol.* 14: 1 - 21.
- Montserrat Martinez Ortega, Jose Sanchez and Enrique Rico, 2000. Palynological study of *Veronica*, L. (Scrophulariaceae) and its taxonomic significance. *Grana.* 39.
- Moorthy, P. 1995. Effects of Ultra-violet B-radiation on mangrove environment: Physiological responses of *Rhizophora apiculata*, Bl. Ph.D. Thesis. Annamalai University, India. pp130.
- Moorthy, P. and K. Kathiresan, 1996. The Ultra-violet solar radiation "Syndrome" in marine biota. *Seshaiyana.* 4: 116 - 118.
- Mukherjee, A.K. 1960. The genus *Bruguiera* in Sunderbans - a new record.
- Mukherjee, A.K. 1975. The Sunderbans of India and its biota. *J. Bombay Nat. Hist. Soc.* 72 (1): 177 - 192.
- Mukherjee, B.B. and J. Mukherjee, 1978. Mangroves of Sunderbans, India. *Phytomorphology.* 28 (2): 177 - 192.
- Muller, J. 1970. Palynological evidence on early differentiations of Angiosperms. *Biol. Rev.* 45: 417 - 450.
- Murthy, G.S.R. 1979. Anatomical studies in some Solanaceae. Ph.D. Thesis. Sardar Patel University, Gujarat.
- Murthy, G.S.R. and J.A. Inamdar, 1980. Histochemistry of leaf epidermis in some Solanaceae. *Flora.* 170: 155 - 165.

- Murthy, G.V.S. 1980. Pollen morphology of Indian *Wahlenbergia* (Campanulaceae). *New Botanist*. VII: 199 - 201.
- Naidu, C.N. and P.M. Swamy, 1996. Seasonal changes of lipid content in different plant parts of seven selected deciduous forest tree species under natural conditions. *J. Trop. For.* 12 (111): 107 - 112.
- Nair, N.B. *et al.*, 1983. Chemical features of water and sediment nutrients of Ashtamudi Estuary, Ecology of India. Estuaries Vol. 1.
- Nair, N.B., Tresa V. Fernandez, H. Suryanarayanan, M. Balakrishnan, P.M. Oomman and M. Salim, 1987. The nature of transformation of coastal flora along the Veli Lake, south west coast of India between 1962 and 1968. *Trop. Ecol.* 28: 161 - 163.
- Nair, P.K.K. 1961. Pollen grains of cultivated plants (1) *Canna*, L. *J. Indian Bot. Soc.* 39 (3): 373 - 381.
- Nair, P.K.K. 1962. Pollen grains of cultivated plants (111) Great millet and maize. *Indian J. Agri. Sci.* 32: 196 - 200.
- Nair, P.K.K. 1963. Pollen analysis of some Indian honeys. *J. Indian Bot. Soc.* 43: 179 - 191.
- Nair, P.K.K. 1964. Advances in Palynology. *Bot. Gard.* Lucknow, India.
- Nair, P.K.K. 1965. Trends in the morphological evolution of pollen and spores. *J. Indian Bot. Soc.* 44: 468 - 478.
- Nair, P.K.K. 1966. Essentials of Palynology. Asia Publishing House, Bombay.
- Nair, P.K.K. 1970. Pollen morphology of Angiosperms - A historical and phylogenetic study. Vikas Publishing House, Delhi.
- Nair, P.K.K. 1970 b. A palynological basis for plant classification. *J. Palynol.* 6: 111 - 112.
- Nair, P.K.K. 1974. Glimpses in plant research - 11. Studies in plant biology - A palynological approach. Vikas Publishing House, Delhi.

- Nair, P.K.K. 1979. The palynological basis for the triphyletic theory of angiosperms. *Grana*. 18: 141 - 144.
- Nair, P.K.K. and K.N. Kaul, 1965. Pollen grains in the gigantic plants of *Rauwolfia serpentina*. *Curr. Sci*. 34: 256 - 257.
- Nair, P.K.K. and H.A. Khan, 1965. Pollen grains of Indian Plants. VII- Nyctaginaceae. *Bull. Nat. Bot. Gdns*. 111: 1-3.
- Nair, P.V.R., K.J. Joseph, V.K. Balachandran and V.K. Pillai. 1975. A study on the primary production in the Vembanad Lake. *Bull. Dept. Mar. Sci. Univ. Cochin*. 7 (1): 161 - 170.
- Nasker, K.R. 1983. Halophytes and their unique adaptation on the tidal mangrove forests of Sunderbans.
- Nasker, K.R. 1993. Plant wealth of the Lower Ganga Delta. Vol. 1.
- Nasker, K.R. and D.N. Guhabakshi, 1982. Sunderbans - the world famous mangrove forest of the District 24 - Parganas in West Bengal. *J. Econ. Tax. Bot.* 3: 883 - 918.
- Nasker, K.R. and D.N. Guhabakshi, 1989. Stages of land formaton and comparative studies of the different microecological zones of Sunderbans (West Bengal, India). *Fragm. Flor. Geobot.* 34 (3-4): 341 - 354.
- Nautiyal, D.D. and B.K. Gupta, 1989. Pollen morphology of some common dicotyledonous angiosperms of Doon Valley (India). *Indian J. For.* 12: 215 - 223.
- Navalker, B.S. 1959. Studies in the ecology of the mangroves. *J. Univ. of Bombay*. (N.S.) XXVIII (3): 6 - 10.
- Nazneen, S., K. Parveen, Ramamurthy and T. Pulliah, 2000. Leaf epidermal characters in *Crotalaria* species (Papilionaceae) from Eastern Ghats. *Phytomorphology*. 50 (2): 205 - 212.
- Nirmala, K. 1999. Studies on Micro Bio-chemical production and consumption of O<sub>2</sub> in the estuarine waters of Mangalavanam, Cochin. M.Sc. Dissertation, Cochin Univ. Sci. Tech. CMFRI, Cochin.
- Nowicke, J.W. and J.S. John, 1983. A palynological study of the genus *Helleborus* (Ranunculaceae). *Grana*. 22: 129 - 140.

- Nowicke, J.W. and S.M. James, 1989. Pollen morphology and the relationship of Hoplestigataceae. *Taxon*. 38: 12 - 16.
- O'Brien, T.P., N. Feder and M.E. Mc Cully, 1964. Polychromatic staining of plant cell walls by toluidine blue O. *Protoplasma*. 59: 367 - 373.
- Odum, W.E. and E.J. Heald, 1972. Tropic analysis of an estuarine mangrove community. *Bull. Mar. Sci.* 22 (3): 671 - 738.
- Ogundipe, O.T. 1992. Leaf epidermal studies in the genus *Datura*, L. (Solanaceae). *Phytomorphology*. 42: 209 - 217.
- Ogundipe, O.T. and O.A. Olatunji, 1991. The leaf anatomy of the different species of *Cochlospermum*, Kunth. (Cochlospermaceae). *Feddes Repertorium*. 102: 183 - 187.
- Ogundipe, O.T., T. Oluwatoyin and Ohewandamilo O. Akinriulade, 1998. Epidermal micromorphology of some species of *Albizia*, Duraz. (Mimosaceae). *Phytomorphology*. 48: 325 - 334.
- Oswin, S.D. and K. Kathiresan, 1994. Pigments in mangrove species of Pichavaram. *Indian J. Mar. Sci.* 23: 64 - 66.
- Paliwal, G.S. 1966. Structure and ontogeny of stomata in some Acanthaceae. *Phytomorphology*. 16: 527 - 532.
- Paliwal, G.S. and S.K. Anand, 1978. Anatomy in relation to taxonomy. *Acta Bot. Indica*. 6: 1 - 20.
- Paliwal, G.S. and N.N. Bhandari, 1962. Stomatal development in some Magnoliaceae. *Phytomorphology*. 12: 409 - 412.
- Pant, D.D. 1965. On the ontogeny of stomata, other homologous structures. *Plant Sci. Series*. 1: 1 - 24.
- Pant, D.D. and P.K. Kidwai, 1966. Epidermal structure and stomatal ontogeny in some Celastraceae. *New Phytol.* 65: 288 - 295.
- Pant, D.D. and B. Mehra, 1963. Development of Caryophyllaceous stomata in *Asteracantha longifolia*, Nees. *Ann. Bot.* 27: 647 - 652.

- Paolo, Gindetti, 2000. Leaf primary production in *Posidonia oceanica*: two reconstructive aging techniques give similar results. *Aquatic Botany* 68: 337 - 343.
- Patel, J.D. 1978. How should we interpret and distinguish subsidiary cells? *Bot. J. Linn. Soc.* 77: 65 - 72.
- Patel, J.D., E.C. Raju, R.L. Fotedar, I.L. Kothari and J.J. Shah, 1975. Structure and histochemistry of stomata and epidermal cells in five species of Polypodiaceae. *Ann. Bot.* 39: 611 - 616.
- Patil, R.P. and S.S. Sidhu, 1961. Studies on the mangrove. 11. Seedling anatomy of *Bruguiera parviflora*, W.&A. *Proc. 48<sup>th</sup> Indian Sci. Cong.* 3: 28.
- Payne, W.W. 1970. Helicocytic and allelocytic stomata unrecognised patterns in the dicotyledonae. *Amer. J. Bot.* 37: 140 - 147.
- Payne, W.W. 1979. Stomatal patterns in embryophytes: their evolution ontogeny and interpretation. *Taxon.* 28: 117 - 132.
- Pearse, A.G.E. 1985. Histochemistry, theoretical and applied. Vols. 1 and 11. Churchill, London.
- Philips, O.P. 1903. How the mangrove tree adds new land to Florida. *J. Geogr.* New York. 2: 10 - 21.
- Pillai, N.G. 1977. Distribution and seasonal abundance of macrobenthos of Cochin back water. *Indian J. Mar.Sci.* 6 (1): 1 - 5.
- Pillai, N.G. 1978. Macrobenthos of a tropical estuary. Ph.D. Thesis. Cochin Univ. Sci. Tech. pp133.
- \*Porsch, O. 1905. Der Spaltöffnung Sapparat in Lichte der Phylogenic. Gustav. Fisch. Verlag Jen. pp 196.
- Pragłowski, J. 1987. Pollen morphology of Tribulaceae. *Grana.* 26: 193 - 212.
- Prain, D. 1903. Flora of Sunderbans. *Rec. Bot. Surv. India.* 2: 231 - 370.
- Prakasam, V.R. and M.L. Joseph, 2000. Water quality of Sasthancotta lake, Kerala (India) in relation to primary productivity and pollution from anthropogenic sources. *J. Environ. Biol.* 21 (4): 305 - 307.



- \*Prat, H. 1961. Versune classification naturelle des graminees. *Bull. Soc. Bot. Fr.* 107: 32 - 79.
- Preetha Paul, 1990. A study on phytoplankton pigments and primary productivity in the Cochin back water during southwest monsoon. M.Sc. Dissertation. Cochin Univ. Sci. Tech. CMFRI, Cochin.
- Premanathan, M., H. Nakashima, K. Kathiresan, N. Rajendran and N. Yamamoto, 1996. In vitro anti-human immunodeficiency virus activity of mangrove plants. *Indian J. Med. Res.* 103 (5): 278 - 281.
- Purushan, K.S. 1989. Puduveypu - A potential brackish water fish seed source. *Fishing Chimes*. pp 63 - 66.
- Pushpa Damayanthi Abey Singhe, Ludwig Triest, Bart de Greef, Nico Koedam and Sanath Hettiarachi, 2000. Genetic and geographic variation of the mangrove tree *Bruguiera* in Sri Lanka. *Aquat. Bot.* 67: 131 - 144.
- Qasim, S.Z. 1970. Some problems related to the food chain in a tropical estuary. In: J.H. Steele (ed.) *Mar. Food Chains*. Oliver and Boyd, Edinburgh. pp 45 - 51.
- Qasim, S.Z. 1973. Productivity of back waters and estuaries. In: B. Zeitzschel (ed.). *The Biology of the Indian Ocean. Ecological studies* 3. Springer - Verlag, Berlin. pp.143 - 154.
- Qasim, S.Z. and C.K. Gopinathan, 1969. Tidal cycle and the environmental features of Cochin back water (a tropical estuary). *Proc. Indian Acad. Sci.* 69-B (6): 336 - 348.
- Qasim, S.Z. and C.V.G. Reddy, 1967. Estimation of plant pigments of Cochin back water during monsoon months. *Bull. Dept. Mar. Sci. Univ. Cochin.* 17 (1): 95 - 110.
- Qasim, S.Z., S. Wellershaus, P.M.A. Bhattathiri and S.A.H. Abidi, 1969. Organic production in a tropical estuary. *Proc. Indian Acad. Sci.* 69-B (2): 51 - 94.
- Rahaman, A.A. 1990. Living resources as indicators of sea level variations (ed.) G.V. Rajamanickam, sea level variation and its impact on coastal environment. pp 245.

- Rains, D.W. and E. Epstein, 1967. Preferential absorption of potassium by leaf tissue of the mangrove *Avicennia marina*: An aspect of halophytic competence in coping with salt. *Aust. J. Biol. Sci.* 20: 847 - 857.
- Raj, B. 1961. Pollen morphological studies in the Acanthaceae. *Grana Palynol.* 3: 1-108.
- Raj, B. 1973. Further contribution to the pollen morphology of the Acanthaceae.
- Rajagopalan, M.S. 1987. Mangroves as component of coastal ecosystems of the Andamans. *Proc. Symp. Magt. Coastal Ecosystems and Oceanic Resources of the Andamans* (eds.) Singh, N.T., B. Gangwar, G.C. Rao and R. Soundararajan, 1 - 7.
- Rajagopalan, M.S., C.P. Gopinathan, V.K. Balachandran and A. Kanagam, 1986. Productivity of different mangrove ecosystems. *Proc.Symp. Coastal Aquaculture.* 4: 1084 - 1087.
- Rajagopalan, M.S., P.A. Thomas, K.J. Mathew, G.S.D. Selvaraj, Rani Mary George, C.V. Mathew, T.S. Naomi, P. Kaladharan, V.K. Balachandran and Geetha Antony, 1992. Productivity of the Arabian Sea along the south west coast of India. *Bull. Cent. Mar. Fish. Res. Inst.* 45: 9 - 37.
- Raju, E.C. and J.J. Shah, 1975. Studies in stomata of ginger, turmeric and mango ginger. *Flora.* 164: 19 - 25.
- Raju, J.S.S.N., 1993. Pollen morphology in Rhizophoraceae. *Indian Bot. Contactor.* 10 (2): 75 - 77.
- Raju, V.S. and P.N. Rao, 1987. The taxonomic use of the basic stomatal types in the generic delimitation of *Chamaejasme* (Euphorbiaceae). *Feddes Repert.* 98: 137 - 141.       •
- Ramachandran, K.K., C.N. Mohanan, G. Balasubramanian, J. Kurian and J. Thomas, 1986. The mangrove ecosystem of Kerala, its mapping inventory and some environmental aspects. CESS. Trivandrum (Mimeo).
- Ramamirtham, C.P. and R. Jayaraman, 1963. Some aspects of hydrological conditions of the back waters around Willington Island (Cochin). *J. Mar. Biol. Bull.* 14 (2): 46 - 51.

- Raman, K., K.V. Ramakrishna, S. Radhakrishnan and G.R.M. Rao, 1975. Studies on the hydrobiology and benthic ecology of Lake Pulicat. *Bull. Dept. Mar. Sci. Univ. Cochin.* 7 (4): 885 - 894.
- Ramassamy, V. and B. Kannabiran, 1994. On some interesting features of stomata in *Callistemon citrinus*, (Curtis) Skeels. *Adv. Plant Sci.* 7: 256-259.
- Ramassamy, V. and B. Kannabiran, 1996. Studies on the epidermal and stomatal morphology in transection in some members of Myrtales. *Phytomorphology.* 46 (2): 89 - 97.
- Ramayya, N. and T. Rajagopal, 1980. Classification of subsidiaries according to interstomatal space relationships. *Curr. Sci.* 49: 671 - 673.
- Rao, R.G., A.F. Woitchik, L. Goeyens, A. Van Riet, J. Kazunger and F. Dehairs, 1994. Carbon, nitrogen contents and stable carbon isotope abundance in mangrove leaves from an east African coastal lagoon (Kenya). *Aquat. Bot.* 47: 175 - 183.
- Rao, R.R., Tariq Hussain, Bhaskar Datt and Arti Garg, 1999. Palynology of *Berberis* (Berberidaceae). *Rheedea.* 9: 115 - 146.
- Rasmussen, H. 1981. Terminology and classification of stomata and stomatal development - a critical survey. *Bot. J. Linn. Soc.* 83: 199 - 212.
- \*Raspail, F.V. 1830. c.f. Pearse, A.G.E. (1985).
- \*Raspail, F.V. 1833. c.f. Pearse, A.G.E. (1985).
- \*Raspail, F.V. 1834. c.f. Pearse, A.G.E. (1985).
- Reichert, E.T. 1913. The differentiation and specificity of starch in relation to genera and species. *Carnegie Inst. Wash. Publ.* 173: XVI. 900.
- Ribereau - Gayon, 1972. Plant phenolics. Oliver and Boyd. Edinburgh.
- Robertson, A.I. and D.M. Alongi (eds.) 1993. Tropical mangrove ecosystems. *Aust. Inst. Mar. Sci.* and American geographical union, Washington. D.C. pp 321.

- Robertson, A.I. and S.J.M. Blaber, 1992. Plankton, epibenthos and fish communities. Robertson, A.I. and D.M. Alongi (eds.) Tropical mangrove ecosystems. Coastal and estuarine studies, 41. American Geophysical Union, Washington. 173 - 224.
- Robinson, S.P., J.S. Downton and J.A. Millhouse, 1983. Photosynthesis and ion content of leaves and isolated chloroplasts of salt-stressed Spinach. *Plant Physiol.* 73: 238 - 242.
- Rohweder, O., R. Schlumpf and K. Krattinger, 1971. Remarks on the diacytic stomata type and on the taxonomic significance of the genera. *Ber. Dtsch. Bot. Ges.* 84: 275 - 285.
- Rosevear, D. R. 1947. Mangrove swamps. *Farm and Forest.* 8: 23 - 30.
- Rowson, J.M. 1943 a. The significance of the stomatal index as a different character. 1. A statistical investigation of the stomatal indices of *Senna* leaflets. *Q. J. Pharm. Pharmac.* 16: 24 - 31.
- Rowson, J.M. 1943 b. The significance of the stomatal index as a differential character. 11. The identification of the leaves of English and Indian *Belladonna*: the characterisation of Cocoa B. P. C. *Q. J. Pharm. Pharmac.* 16: 255 - 264.
- Rowson, J.M. 1946. The significance of the stomatal index as a differential character. 111. Studies on the genera *Atropa*, *Datura*, *Digitalis*, *Phytolacca* and in polyploid leaves. *Q. J. Pharm. Pharmac.* 19: 136 - 143.
- Rudramuniyappa, C.K. and P.B. Mahajan, 1991. Histochemical and fluorescent microscopic study of anther development in *Spathodea campanulata*, Beauv. *Phytomorphology.* 41 (1,2): 175 - 188.
- Russel, J.R., F. Hosein, E. Johnson, R. Waugh and W. Powell, 1993. Genetic differentiation of Cocoa (*Theobroma cacao*, L.) Populations revealed by RAPD analysis. *Mol. Ecol.* 2: 89 - 97.
- Ruthmann, A.C. 1970. "Methods in Cell Research". Cornell University Press, Ithaca, New York.
- Saad, S.I. 1962. Palynological studies in the Linaceae. *Pollen et spores.* 4: 65 - 82.

- Saad, S.I. 1963. On the terminology of pollen wall stratification. *Pollen et. Spores*. 5: 451 - 459.
- Saenger, P., E.J. Hegrel and J.D.S. Davie, 1983. Global status of mangrove ecosystems commission on ecology papers. No.3, IUCN 1983. pp 88.
- Salatino, A., W.R. Monteriro and N. Bomtempo, 1988. Histochemical localization of phenolic deposits in shoot apices of common species of Asteraceae. *Ann. Bot.* 61: 557 - 559.
- Salisbury, E.J. 1927. On the causes and ecological significance of stomatal frequency with special reference to woodland flora. *Phil. Trans. Royal Soc. London*. 216: 1 - 65.
- Salisbury, E.J. 1932. The inter relation of soil, climate and organism and the use of stomatal frequency as an integrating index of the water relation of the plant. *Beih. Bot. Zentralb.* 49: 408 - 420.
- Sally Ann Thomas, 1985. Evaluation of the nutritive value of mangrove leaves as a feed component for juvenile of *P. indicus*. M.Sc. Dissertation, Cochin Univ. Sci. Tech. CMFRI, Cochin.
- Sankaranarayanan, N. and S.Z. Qasim, 1969. Nutrients of the Cochin back water in relation to environmental characteristics. *Mar. Biol.* 2: 236 - 242.
- Sankaranarayanan, U.N., P. Udaya Varma, K.K. Balachandran, A. Pylee and T. Joseph, 1986. Estuarine characteristics of the lower reaches of the river Periyar (Cochin back water). *Indian J. Mar. Sci.* 15 (3): 166 - 170.
- Santhanam, P., K. Krishnamurthy and V. Sundararaj, 1975. Quantitative phytoplankton ecology. *Bull. Dept. Mar. Sci. Univ. Cochin*. VII, 4: 769-779.
- Sasidharan Nair, K and Nagesh Prabhu, 1998. Forestry in Kerala; Yesterday, Today and Tomorrow. *Indian Forester*. 124 (6): 425 - 432.
- Schanderl, S. H. 1970. In: Method in Food Analysis. Academic Press, New York. pp 709.
- Selvaraj, G.S.D. 2000. Validity of net primary productivity estimator by light and dark bottle oxygen technique in tropical inshore

waters, with a note on primary productivity of the surf zone at cochin. *Sea weed Res. Utiln.* (1,2): 81 - 86.

- Selvam, V., R. Mohan, R. Ramasubramanian and J. Azariah, 1991. Plant communities and soil properties of three mangrove stands of Madras. *Coast Indian J. Mar. Sci.* 20(1): 67 - 69.
- Semeniuk, V. 1983. Mangrove distribution in northwestern Australia in relation to regional and local fresh water seepage. *Vegetatio*. 53: 11 - 31.
- Seshavatharam, V. and M. Srivalli, 1989. Systematic leaf anatomy of some Indian mangroves. *Proc. Indian Acad. Sci. Plant Sci.* 99 (6): 557 - 565.
- Sethi, R.S. and C.P. Malik, 1974. Histochemical studies in stomatal apparatus of *Phaseolus mungo*, L. 111: Localization of ascorbic acid and peroxidase and their functional significance. *Acta Histochem.* 49: 142 - 148.
- Sethi, R.S. and C.P. Malik, 1975. Histochemical studies in stomatal apparatus of *Phaseolus mungo*, L. 11. Localization of Phosphorylase. *Acta Histochem.* 52: 231 - 233.
- Shah, J.J. and A.M. Babu, 1986. Vascular occlusions in the stem of *Ailanthus excelsa*, Roxb. *Ann. Bot.* 97: 603 - 611.
- Shajina, I. 1992. Statistical evaluation of plankton diversity in mangrove ecosystems in Cochin area. M.Sc. Dissertation. Cochin Univ. Sci. Tech. CMFRI, Cochin.
- Sharangapani, P.R. and D.R. Shirke, 1995. Development and histochemical studies on extra-ovarian nectarines of *Cassia occidentalis*, L. *Adv. Plant Sci.* 8: 140 - 147.
- Sharma, P.C., D.S. Bhatia and C.P. Malik, 1991. Phenolics induced changes in some biochemical parameters of Mash bean (*Vigna mungo*, L.) seeds. *Indian J. Plant Physiol.* 34: 202 - 204.
- Sheeba, S.M. 1992. Ecological characteristics of prawn culture fields in the Cochin area. Ph.D. Thesis. Cochin Univ. Sci. and Tech. CMFRI, Cochin. pp 154.
- Sheela, D. 1995. Histo-morphological and palynological investigations on some South Indian representatives of the Tribe

- 'Heliantheae' (Compositae). Ph.D. Thesis. Mahatma Gandhi University, Kottayam.
- Shirlaw, D.W. and D.W. Gilchrist, 1967. A practical course in agriculture chemistry. Pergman Pub., London. pp 122 - 130.
- Shorland, F.B. 1962. 'Comparative Biochemistry'. Vol. 3A. Florin, M. and H.S. Mason. (eds.) Academic Press, New York.
- Shyamjai Singh, S. and L. Anand Singh, 2000. Studies on the physico-chemical characteristic (12 hrs variation) of a major water body of Imphal District. *J. Environ. Biol.* 21 (3): 273 - 274.
- Sidhu, S.S. 1963. Studies on the mangroves of India. *Indian Forester.* 89: 337 - 351.
- Sidhu, S.S. 1974. Structure of epidermis and stomatal apparatus of some mangrove species. *Proceedings of International Symposium on Biology and Management of Mangroves.* Vol.2. pp 569 - 578.
- Singh, Dalgeet, 1987. Comparative studies on the ecology of bottom macrofauna in seasonal and perennial fish ponds and in the adjacent back water. M.Sc. Dissertation. Cochin Univ. Sci. Tech. pp 108.
- Singh, H.B. and V.P. Dube, 1993. Taxonomic significance of leaf epidermis in *Corchorus*, L. (Tiliaceae). *Phytomorphology.* 43: 185 - 194.
- Singh, V. and D.K. Jain, 1975. Foliar epidermal studies in Rosaceae: *Prunus*. *Bull. Bot. Surv. India.* 17 (1- 4): 137 - 146.
- Sivadasan, K.K. 1994. Floristic study of the mangrove ecosystem of the Mangalavanam, Kochi. Seminar on Conservation and Propagation of Mangroves of Kerala.
- Snedaker, S.C. 1978. Mangroves: their value and perpetuation, nature and resources. UNESCO V. XIV (3): 6 - 13.
- Solereeder, H. 1908. "Systematic anatomy of the dicotyledons". Transl. L.A. Boodle and F.E. Fristsch, Revis. D.H. Scott. Oxford.
- Sreedharan, M. and K.Y. Mohammed Salih, 1974. Distribution characteristics of nutrients in the estuarine complex of Cochin. *Indian J. Mar. Sci.* 3: 125-130.

- Srinivasan, R. 1982. Studies on the distribution of benthos and hydrological parameters in prawn culture systems. M.Sc. Dissertation. Cochin Univ. Sci. Tech. pp 96.
- Stace, C.A. 1965 a. Cuticular studies as an aid to plant taxonomy. *Bull. Br. Mus. Nat. Hist.* 4:1 - 78.
- Stace, C.A. 1965 b. The significance of the epidermis in the taxonomy of the Combretaceae. 1. A general review of tribal generic and specific character. *J. Linn. Soc. Bot.* 59: 229 - 252.
- Stace, C.A. 1966. The use of epidermal characters in phylogenetic considerations. *New Phytol.* 65: 304 - 318.
- Stace, C.A. 1981. The significance of leaf epidermis in the taxonomy of Combretaceae. Conclusions. *Bot. J. Linn. Soc.* 81: 327 - 339.
- Stace, C.A. 1989. Plant taxonomy and biosystematics. 11 edition, New York.
- Stephens, W.W. 1962. Trees that make land. *Sea Front.* 8: 219 - 230.
- Stevens, R.A. and E.S. Martin, 1978. A new ontogenetic classification of stomatal types. *Bot. J. Linn. Soc.* 77: 53 - 64.
- \*Strasburger, E. 1866-1867. Ein Beitrag Zur Entwicklungsgeschichte der Spaltöffnungen. *Jahrb. Wiss. Bot.* 5: 297 - 342.
- Strickland, J. D. and T.R. Parsons, 1968. A practical hand book of sea water analysis. *Ibid.* 167: 1 - 311.
- Suhara Beevy, S and Philomena Kuriachen, 1996. Pollen morphology of the genus *Trichosanthes* (Cucurbitaceae). *J. Palynol.* 32: 21 - 27.
- Suryakanta, M.C. 1973. Pollen morphological studies in the Bignoniaceae. *J. Palynol.* 9: 45 - 80.
- Swain, T. 1963. Chemical Plant Taxonomy. Academic Press, London and New York.
- Swaminathan, M.S. 1991. Conservation and sustainable utilisation of mangrove forests genetic resources. pp 130.



- Takhtajan, A.L. 1966. " System and phylogeny of flowering plants". Soviet Sciences Press, Moscow.
- Takhtajan, A.L. 1980. Outline of the classification of flowering plants (Magnoliophyta). *Bot. Rev.* 46: 225 - 359.
- Teas, H.J. 1977. Ecology and restoration of mangrove shorelines in Florida. *Environmental Conservation.* 4: 51-58.
- Teas, H.J. 1983. Biology and Ecology of Mangroves. Dr. W. Junk Publishers, Kluwer Academic Publishers Group. The Hague/ Boston/ Lancaster.
- Tempel, A.S. 1981. Field studies of the relationship between herbivore damage and tannin concentration in bracken *Pteridium aquilinum*, Kuhn. *Oecologia.* 51: 97 - 106.
- \*Thanikaimoni, G. 1968. Morphologic des pollens des Menispermacees. *Inst. Franc. Pondicery, Trav. Sect. Sci. Tech.* 5 (4): 1 - 56.
- Thanikaimoni, G. 1987. Mangrove Palynology. UNDP/UNESCO Regional project on training and research on mangrove ecosystems, RAS/79/002, and the French Institute, Pondicherry.
- Thara, K. Simon, 1994. Morphological and histochemical studies in some tropical Acanthaceae. Ph.D. Thesis. Mahatma Gandhi University, Kottayam.
- Theunissen, J.D. 1990. Histochemical localization of phenolic deposits in the leaf blades of three grass species from Southren Africa. *Bot. Bull. Acad. Sinica.* 31: 143 - 147.
- Theunissen, J.D. and A. Jordaan, 1990. Histochemical localization of phenloic deposits in leaf blades of *Eragrostis racemosa*. *Ann. Bot.* 65: 633 - 636.
- Thomas, G. and T.V. Fernandez, 1993. A comparative study on the hydrography and species composition in three mangrove ecosystems of Kerala, South India. *J. Ecobiol.* 5 (3): 181 - 188.
- Thomas, V. and Y. Deve, 1990. Anatomy and histochemistry of stipular collectors in *Mitragyna parviflora* (Roxb) Korth. (Rubiaceae). *Proc. Indian Sci. Congress: Sect. Bot.* pp 109.

- Tikku, A.K. 1975. Structure and histochemistry of stomata in some monocotyledons. M.Sc. Dissertatioon, Sardar Patel Univ. Gujarat.
- Tikku, A.K., E.C. Raju, R.L. Fotedar and Shah, 3.3. 1978. Structure and histochemistry of stomata in some monocotyledons. *Phyta*. 1: 117 - 125.
- \*Tognini, P. 1897. Contribuzione allo studio della organogenic comparata degli stoma. *Att. Inst. Bot. Univ. Pavia*. 4: 1- 42.
- Tomb, A.S. 1979. SEM and the new Synan therology. *Bot. Soc. Amer. Misc. Publ.* 157 - 168.
- Tomlinson, P.B. 1974. Development of stomatal complex as taxonomic character in monocotyledons. *Taxon*. 23: 109 - 123.
- Tomlinson, P.B. 1986. The Botany of Mangroves. Cambridge University Press, Cambridge, London and New York.
- Trease George Edward and Evans William Charles, 1972. Pharmacognosy 10<sup>th</sup> Ed. Bailliere Tindal. London.
- Triest, L. 1991. Conservation of genetic diversity in water plants. *Op. Bot. Belg.* 4: 241 - 258.
- Twilley, R.R., A.L. Lugo and C. Patterson - Zucca, 1986. Litter production and turnover in basin mangrove forests in South Florida. *Ecology*. 67 (3): 670- 683.
- Unni, P.N. and K. Lakshmi, 2002. Spatial and temporal variation in organic and inorganic nutrients in the mangrove sediment of Thalassery and Valapattanam river basins. Proc. Natl. Sem. Current Envntl. Problems and Mangt., Irinjalakuda. pp 151 - 159.
- Untawale, A.G. 1980. Present status of mangroves along the west coast of India. *Proc. Asian Symp. Mangrove Environ. Res. Mangt.* Kualalumpur. (In press).
- Untawale, A.G. 1984. Mangroves of India: Present status and multiple uses and practices. Status report submitted to yhe UNDP/UNESCO Regional Mangrove Project for Asia and Pacific. pp 28.

- Untawale, A.G. 1987. Conservation in Indian mangroves a national perspective. In: A special collection of papers to felicitate Dr. S.Z. Qasim on his sixtieth birthday (eds.) T.S.S. Rao, R. Natarajan, B.N. Desai, G. Narayanaswamy and S.R. Bhat. pp 85 - 104.
- Untawale, A.G. 1987 a. Some observations on mangroves-afforestation along Central West Coast of India. *Proc. Interl. Symp. on afforestation on salt affected soils.* 2: 133 - 153.
- Untawale, A.G., S. Wafar and T.G. Jagtap, 1992. Status of mangroves along the countries bordering the Arabian Sea. *Oceanography of the Indian Ocean* (ed.) Desai, B.N., Oxford and IBH, New Delhi, India. pp 239- 245.
- Vance, D.J., M.D.E. Haywood and D.J. Staples, 1990. Use of mangrove estuary as a nursery area by post larval and juvenile banana prawns *P.merguensis* (de Man) in northern Australia. *Estuarine Coast Shelf Sci.* 31: 689 - 701.
- Van Cotthem, W.R.J. 1970 b. A classification of stomatal types. *Bot. J. Linn. Soc.* 63: 235.
- Van den Brink, F.N.B. and G. Van der Velde, 1993. Growth and morphology of four fresh water macrophytes under the impact of the raised salinity level of the lower Rhine. *Aquat. Bot.* 45: 285 - 297.
- Van Fleet, D.W. 1952. Histochemical localization in vascular plants. *Bot. Rev.* 18: 354 - 398.
- Vannucci, M. 1997. Supporting appropriate mangrove management. Inter coast Network. Special edition.1: 1, 3, 42.
- Van Wyk, A. E., P.J. Robbertse and P.D.P. Kok, 1982. The structure and taxonomic value of the genus *Eugenia*. *Bot. J. Linn. Soc.* 84: 41 - 56.
- \*Vesque, J. 1889. Del' empoides Characters anatomiques dava la classification des Vegetanse. *Bull. Soc. Bot.* 36: 41 - 77.
- Vijayaraghavan, M.R. and A.K. Shukla, 1990. Histochemistry-theory and practice. Bishen Singh, Mahendrapal Singh. Dehradun.

- Vince - Prue, D. 1975. Photoperiodism in plants. Mc Graw-Hill, London. pp 444.
- Vishnu Mittre, 1964. Contemporary thought in Palynology. *Phytomorphology*. 14: 135 - 147.
- Vishnu Mittre and H.P. Gupta, 1964. Contemporary thought in Palynology. *Phytomorphology*. 14: 135 - 147.
- Wallis, T.E. and T. Dewar, 1933. Buchu and the leaves of other species of *Barosma*. *Q. J. Pharm. Pharmac.* 6: 347 - 362.
- Wallis, T.E. and J.L. Forsdike, 1938. Palisa,de ratio - its value for detecting certain adulterants of *Belladonna* leaf and *Stramonium*, especially *Scopolia carniolia* and *Solanum nigrum*. *Q. J. Pharm. Pharmac.* 11: 700-708.
- Walker, J.W. and J.A. Doyle, 1975. The bases of Angiosperm Palynology.
- Waring, R.H., A.J.S. Mc Donald, S.E.T. Larsson, A. Wiren, A. Arwidsson, A. Ericsson and T. Lohammar, 1985. Differences in chemical composition of plants grown at constant growth rates with stable mineral nutrition. *Oecologia*. 66: 157 - 160.
- Watson, J.G. 1928. Mangrove forests of the Malay Peninsula. *Malay. Forest Rec.* 6: 1 - 275.
- Weber, M., H. Halbritter and M. Hesse, 1999. The basic pollen wall types in Araceae. *Intl. J. Plant Sci.* 160: 415.
- Welch, E.B. 1980. Ecological effects of waste water. Cambridge University Press, London.
- Wellershaus, S. 1971. On the hydrography of Cochin back water, a South Indian estuary. *J. Mar. Biol. Asso. India*. 14 (2): 487 - 495.
- Wells, A.G. 1982. Distribution of mangrove species in Australia. Chap. 6. In: *Biology and Ecology of Mangroves*, (ed.) H.J. Teas for vegetation sciences. The Hague, Junk.
- Wilkinson, H.P. 1979. "The plant surface (mainly leaf)". pp 97-165. In: Metcalfe, C.R. and L. Chalk. *Anatomy of the dicotyledons*, 2<sup>nd</sup> ed. Clarendon Press, Oxford.

- Wilkinson, H.P. 1983. Leaf anatomy of *Glute* (L.) Ding Hou (Anacardiaceae) *Bot. J. Linn. Soc.* 86: 375 - 403.
- Wodehouse, R.P. 1935. Pollen Grains. Mc Graw-Hill, New York.
- Xavier, K.S. 1967. Taxonomic implications of electron and light microscopic studies of *Linum* pollen. *Amer. J. Bot.* 53: 634. (Abst.).
- Yeragi, S.G. 1979. Ecology of some molluscs. Ph.D. Thesis. University of Mumbai.
- Yeragi, S.G. 1995. Estimation of gross primary productivity of estuary Mithav of South Konkan. *J. Aqua. Biol.* 19 (1): 28 - 30.
- Yeragi, S.G., K.N. Babu and S.S. Yeragi, 2000. Structure and species distribution of mangrove forest at Uran. *J. Mar. Biol. Ass. India.* 42 (1,2): 200 - 204.
- Ziegler, H. 1964. Storage, mobilization and distribution of reserve material in trees. In: The formation of wood in forest trees. (ed.) M.H. Zimmermann. Academic Press, New York. pp 303 - 320.
- Zimmermann, M.H. and C.L. Brown, 1971. Histochemical localization and distribution of starch in *Tectona grandis*, L.f. and *Acacia nilotica*, Del. growing in different forests of Gujarat State.
- \*Zorning, H. and Weiss, G. 1925. Beitrage Zur Anatomic des Leubblattes Offizineller und pharma Zeutisch gebr a uchlieher Compositen-Drogen. *Arch. Pharm. Berl.* 263: 451 - 470.

\* Originals not referred.