REFERENCES

Adraini, M.J.(1958), Halophyte. In: Encyclopedia of Plant Physiology, 4, 709 - 736. Springerverlag, Berlin, Gottington, Heidelberg.

Agate, and Panchnadikar , (1992), Microbiological Processes of Mangrove Swamps. In : Tropical Ecosystems : Ecology and Management Ed. K.P. Singh and J.S. Singh , pp. 301 - 307. Wiley Eastern Limited , New Delhi.

Ambike, V.V. (1986) , Physiology of senescence (Studies on senescence in Acanthus ilicifolius, Linn) , A Thesis, submitted to University of Bombay . (India).

Atkinson , M.R , Findlay, G.P. , Hope , A.B., Pitman, M.G., Saddler H.D.W. and West, K.R. (1967). Salt regulation in the mangroves Rhizophora mucronata Lam. and Aegialitis annulata R. Br. Aust. J.Biol. Sci. 20 : 589 - 599.

Beadle , N.C.W. , Whalley , R.D.B. and Gibson , J.B. (1957), Studies in halophytes II. Analytical data of the mineral constitutes of the tree species of Atriplex and their accompaying soils in Australia . Ecology, 38 : 340 - 344.

Bhosale , L.J.(1974), Physiology of Salt tolerance of plants. Ph. D. Thesis, submitted to Shivaji University , Kolhapur. (India).

Bhosale, L.J. (1978), Ecophysiological studies of the mangroves from the Western coast of India. Dept. of Botany, Shivaji University , Kolhapur, India, 81pp.

Bhosale , L.J. (1979), Distribution of trace elements in the leaves of mangroves. Indian J. Mar. Sci, 8, 58-59.

Bhosale , L.J. (1981) : Photosynthetic carbon metabolism in a salt marsh plant, Bruguiera gymnorrhiza Lamk. I : $^{14}CO_2$ light fixation products, enzyme activities and aspartate utilization, Envi. Expt. Bot., 21 : 163 - 170.

Bhosale ,L.J. (1986), The Mangroves, Proc. Natl. Symp. on Biol. Util and Cons. of Mangroves, Nov. 85 (ed. Bhosale L. J.) Shivaji University , Kolhapur. (India).

Bhosale, L.J. (1990 a), Effect of Water pollution in the Areas Near Sea on Estuarine Ecosystem. A report submitted to Dept. of ocean Development, Govt. of India, New Delhi.

Bhosale, L.J. (1990 b), Human Impact on Primary Productivity and Regenration of Mangroves of Maharashtra. A report submitted to Dept. of Environment., Govt. of India , New Delhi.

Bhosale , L.J. and Kulkarni, S. (1985) Uptake and excretion of ^{36} Cl from the leaves of A. ilicifolius under Hoagland culture.

Bhosale ,L.J. and Mulik , N.G. (1991), Strategies of seed germination in mangroves Proc. Intern. Seed Symposium, Jodhpur, India (eds) David M Sen and S. Mohammed 1991 (1990) , pp. 201 - 205.

Bhosale, L. J. and Mulik, N.G. (1992), Physiology of Mangroves. Tropical Eosystmes: Ecology and Management Ed : K.P. Singh and J.S.Singh, pp. 315 - 320 1992 , Wiley Eastern Limited, New Delhi.

Bhosale, L.J. and Shinde, L.S. (1983), Significance of cryptovivipary in Aegiceras corniculatum (L) Blanco In: Task for vegetation science, J Teas (ed.) Vol. 8, 123 - 129.

Bhosale, L. J. Waghmode, A.P. and Kotmire, S.Y.(1983), Biology of Mangroves in Indian coastlands. Indian Rev. Life Sci. 3, 265 - 286.

Black, R.F. (1960) : Effect of NaCl on the ion uptake and growth of Atriplex vesicaria (Heward). Aust. J. Biol. 13 (3) : 249 - 266.

Broyer, T. C. , Cariton A.B. , Johnson, C.M. and Stout, P.R. (1954), Chlorine-micronutrient element for higher plannts. Plant Physiol. 29, 526 - 532.

Burchett, M.D., Field, C.D. and Pulkownik A. (1984), Physiol Plant. , 60 : 113 - 118.

Campbell, C. J. and Stron, J. E.(1964), Salt gland anatomy in Temarix pantandra (Tamaricaceae). S West Nat.9, 232-238.

Caratini, C. (1992), Mangrove Pollen in Marine Quaternary Sediments: Marker of Regional Climatic Evolution and Global Eustatic Sea-level changes. Tropical Eosystems Ecology and Management Ed : K.P.Singh and J.S. Singh , pp 349 - 357. 1992, Wiley Eastern Limited , New Delhi.

Chandramohan, D. (1992), Tropical Marine Ecosytems : The Microbial Component. Tropical Eosystems Ecology and Management Ed : K.P.Singh and J.S. Singh , pp 241 - 254. 1992, Wiley Eastern Limited , New Delhi.

Chapman, V.J. (1944), The 1939 Cambridge University Expedition to Jamaica . II. A Study of the environment of Avicennia nitida Jacq. in Jamaica. J. Linnean Soc. (London) Bot., 52, 448 - 86.

Chapman, V.J. (1975), Mangrove biogeography, In : Walsh G. , Snedkar, S. and Teas H. (eds) Proc. of. Int. Symp. on Boil. and Management of mangroves Oct. 1974, 3 - 22.

Clough, B.F., (1984) Growth and salt balance of the mangroves Avicennia marina (Forsk.) Vierh and Rhizophora stylosa Griff. in relation to salinty Aust. J. plant physiol. 11 : 419 - 430.

Dongre, M.M. (1982) Effect of Salt Stress on plant metabolism. Ph. D. Thesis Shivaji University Kolhapur (India).

Downton, W.J.S. (1982) Growth and osmotic relations of the mangrove Avicennia marina , as influenced by salinity. Aust. J. plant physiol. 9 : 519 - 528.

Epstein, E. (1972), Mineral nutrition of plants : Principles and perspective, John Wiley and Sons. Inc., New York.

Joshi , G. V. (1973), Soil plant relationship in the plants of the saline soils of the Deccan , In : Symposium on Deccan Trap Countary 1968. Bull. Ind. Sci. Acad. 45 : 30-38.

Joshi , G. V. (1975), Physiology of salt tolerance in plants. Biovigyanum , 1 : 21-34.

Joshi , G. V. (1976), Studies in photosynthesis under saline condition PL 480 Project Report Submitted to Shivaji University, Kolhapur, (India).

Joshi , G. V. and Bhosle , L. J. (1982) , Estuarine ecosystem of India. In : Sen. D.N., and Rajpurohit, K.S.(eds.), Contribution to the Ecology of Halophytes T:VS 2. Dr. W. Junk. The Hague, 21-23.

Joshi , G. V. Pimplaskar, M. and Bhosale L.J. (1972), Physiological studies in germination of mangroves. Bot. Mar., 15, 91-95.

Joshi, G.V., Pimplaskar, M. and Bhosale L.J. (1975) Physiological studies in germination of Mangroves. Botanica Marina Vol. XV, p. 91 - 95.

Joshi, G. V. and Shinde, S.D. (1978), Ecogeographical Studies in Terekhol and Vashisti Rivers. Shivaji University Publication, Kolhapur, (India).

Karkar, M. B. (1984), Autecology and Physiology of Rhizophora apiculata and Kandelia candel M. Phil. Thesis submitted to Shivaji University, kolhapur (India).

Karkar, M. B., and Bhosale, L. J. (1986), Studies on inorganic constituents of leaf, propogule, soil and floolding water of mangrove K. candel In : Bhosle, L. J.(ed.), The Mangroves : Proc. Nat. Symp. Biol. Util. Cons. Mangroves, Nov. 1985, Shivaji University, Kolhapur, (India) 147-150.

Karmarkar, S. M. (1986), Mangroves a Review, In : Bhosle, L. J.(ed.), The Mangroves : Proc. Nat. Symp. Biol. Util. Cons. Mangroves, Nov. 1985, 60-79.

Kotmire, S. Y. and Bhosle, L. J. (1979), Some aspects of chemical composition of mangroves leaves and sediments. Mahasagar - Bull. Nat. Inst. Ocanogr. 12, 149-154.

Kotmire, S.Y. and Bhosale, L.J. (1980), Chemical composition of A. officinalis and A. marina var. accutissma, stapt and Moldenks. Indian J. Mar. Sci 9, 299-302.

Kotmire, S.Y. and Bhosale, L.J.(1986), Leaf scenescence behaviour of Thespesia populnea under saline and nonsaline condition. In : Bhosale, L.J. (ed.) The Mangroves : Proc. Nat. Symp. Biol. Util. Cons. Mangroves, NOV. 1985., Shivaji University , Kolhapur, (India). 226 - 271.

Krebs, C.J. (1978), Ecology : The Exprimental Analysis of Distribution and Abundance. (II ed.) Harper and Row, Publishers, New York.

Kulkerni, P. K. (1990), Some ecological and Physiological aspects of Rhizophora propagules. Ph. D. Thesis Submitted to Shivaji University Kolhapur. (India)

Kulkerni, P. K. and Bhosale, L.J. (1989), Physiology of Rhizophora propagules Strat physiol. Regul. plant productivity. Proc. Natl. Seminar ISPP, Bombay. (Dec. 1989), pp 243 - 249.

Kulkarni, S. P. (1983). Salt excretion by Mangroves. M.phil. Disserta Submmited to Shivaji University Kolhapur. (India)

Larsen, H. (1967) : Biochemical aspects of extreme halophilism. Advan. Microb. Physiol. 1 : 97 - 132.

Lotschert,W. and Liemann, F. (1967), Die Salzpeicherung, im keimling von Rhizophora mangle L. Wahrend der Ent Wicklung auf der Mutterpflanze. (Accumulation of salts in the embryo of Rhizophora mangle L. developing on the mother plant.) PLANTA. 77(2), 142 - 156.

Macnae, W.(1968) : A general account of the fauna and flora of mangrove swamps and forests in the Indo-West-Pacific region. Adv. Mar. Bid., 6: 73 - 270.

Metcalfe, C. R. and Chalk , L. (1950) " Anatomy of the Dicotyledons, " 2 Vols, Clarendon Press, Oxford.

Mulik, N. G. (1987), Studies on some aspects of mangroves. Ph. D. Thesis, Shivaji University, Kolhapur (India).

Mulik, N. G . and Bhosale, L.J. (1983), Leaf Anatomy and its relation to Physiology of leaf in mangroves Proc. NaH. Symp. Adv. Front. Pl. Sci. Jodhpur, (1983) : 248.

Mulik, N.G. and Bhosale, L.J. (1986), Comparative study of sodium , potassium, calcium from seeds and leaves of A. ilicifolius Linn from difference localities. The Mangroves : Proc Nat. symp. Biol, util, cons. Mangroves. NOV. 1985. 214 - 217.

Mullan, D. P. (1931), On the occuerrence of glandular hairs (salt glands) on the leaves of some Indian Halophytes. Jour. Ind. Bot. Soc. 12 (2).

Mullan, D.P. (1933), Observations on the biology and physiological anatomy of some Indian Halophytes. Jour. Ind. Bot. Soc., 12 (2).

Osmound, C.B., Luttge, U., West, K.R., Pallaghy, C.K. and Shachar-Hill, B. (1969), Ion absorption in Atriplex leaf tissue II Secretion of ions to epidermal bladders. Aust. J. Biol. Sci. 22 : 797 - 814.

Parulekar, A. (1992), Culture Fishery Resources of the Tropical Marine Ecosystem.Tropical Ecosystems : Ecology and Management. Ed.: K.P. Singh and J.S. Singh. pp 237 - 240. 1992, Wiley Eastern Limited, New Delhi.

Percival, M. and Womorsley, J.S. (1975), Florastics and Ecology of the mangrove vegetation of Papuna New Guinea. Botany Bulletin No. 8. Department of Forests, Division of Botany, Lue, Papua, New Guinea.

Popp, M. (1984), Chemical composition of Australian mangroves. I. Inorganic ions and organic acids. Z. Pftanzenphysiol 113. 395 - 409.

Raddi, A.G. (1992) , Afforestation of Mangrove Wastelands. Tropical Ecosystems : Ecology and Management. Ed. K.P.Singh and J.S. Singh, pp 295 - 300. 1992, Wiley Eastern Limited, New Delhi.

Rains , D. W. and Epstein , E. (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.

Ruhland, W. (1915), Unter suchungen uber die Hautdrusen der Plumbaginaceen Bin Beitrag zur Biologie der Halophyien. Jb. Wiss. bot. 55 : 409 - 498.

Saenger, P. Hegerl E.J. and Davis J.D.S (1983) Global status of mangrove ecosystem. Commission of Ecology Papers No.3 IUCN 88 P.

Sathe, S. S. (1991), Economic aspects of mangroves (special emphasis on Avicennla). Ph. D. Thesis Submitted to Shivaji University, Kolhapur. (India). 198 p.

Fahn, A. (1979), Secretory Tissues in plants. Academic Press, London, New York, San Francisco.

Flowers, T.J., Troke P.F. , and Yeo, A.R. (1977), Ann. Rev Plant Physiol., 28 : 89 - 121.

Ferry, J.F. and Ward, H.S. (1959) : Fundamentals of plant physiology. The Macmillan company, New York.

Goswami, S.C. (1992) , Zooplankton Ecology of the Mangrove Habitats of Goa. Tropical Ecosystems : Ecology and Managememt Ed. : K.P. Singh and J.S. Singh, pp. 321 - 332, 1992 , Wiley Eastern Limited, New Delhi.

Haberlandt, G. (1894), Uber Bav und Funktion der Hydathoden. Ber. dt. bot. Ges. 12. 367 - 378.

Haberlandt, G. (1914) Physiological plant anatomy. 777 pp. London : MacMillan and Co., Ltd.

Haberlandt, G. (1918), "Physiologische pflazenanatomic" 5th edn. W. Engelmann, Leipsig.

Henckel, P.A. (1963) : On the ecology of the mangrove vegetation. Mitt. Flor. Soz. Arb. Gemeinsch . N.F. 10 : Stolzendu / Weser (1963) : 201 - 205.

Jennings, D. H. (1968), Halophytes, succculence and sodium in plants a united theory. New Phytol. 67 : 899-911.

Schimper, A. F.W. (1891), Die indomala y is che Strandflora. Jena : Gustav Fislher (157).

Scholander, P.F. (1968), How mangroves desalinale sea water. Physiol. plant. 21 : 251 - 61.

Scholander, P.F. , Hammel, H.T., Hemmingsen, E. and Garry, W. (1962), Salt balance in mangroves. plant physiol 37. 722 - 729.

Shinde, L. S. (1981), Physiological studies in Mangroves. Ph. D. Thesis, Shivaji University, Kolhapur.

Shinde, L.S. and Bhosale, L.J. (1986), Studies on salt Tolerence In Aegiceras corniculatum (L.) Blanco and Sesuvium portulacastrum (L.) In : Bhosale, L.J. (ed.) The Mangroves : Proc. Nat. Symp. Biol. Util. Cons. Mangroves, NOV. 1985, 300 - 304.

Sidhu, S.S. (1963), Studies of mangroves of India I. East Godavari region. Indian Porester, 89 : 337 - 351.

Skelding, A.P. and Winterbotham, J. (1939), The structure and developement of hydathodes of Spartina townsendil Groves. New Phytol. 38 : 69 - 79.

Subramanian, A.N. and Venugopalan, V.K. (1983), Phosphorus and iron distribution in two mangrove species in relation to environment. Mahasagar Bulletin of the National Institute of Oceanography, 16 (2), 183 - 191.

Sutcliff, J.F.(1962),mineral salt absorption in plants,P P. 194. Publ. Pergamon Press, Oxford, London.

Tissot, C . and Marius , C. (1992) , Holocene Evolution of the Mangrove Ecosystem in French Guiana : A palynological study Tropical Ecosystems : Ecology and Management Ed. : K.P. Singh and J.S. Singh, pp. 333 - 347. 1992, Wiley Eastern Limited, New Delhi.

Tomlinson, P.B., (1986), The Botany of Mangroves 413 pp. Cambridge, England : Cambridge University Press.

Toth, S.J., Prince, A.L., Wallace, A. and Milkkdsen, D.S. (1948) : Rapid qualitative determination of 8 mineral elements in plant tissues by systematic procedure involving use of a Flame Photometer, Soil Sci., 66 : 459 - 466.

Untawale, A.G., Wafar Sayeeda and Bhosale, N.B.(1980), Seasonal Variation in Heavy metal concentration in mangrove foliage. Mahasagar Bull. Of the National Institute of Oceanography, 13 (3), 115 - 223.

Volhard, A., (1956), Chlorides : Modern Methods and Plant Analysis, K. Peach and M.V. Tracey (ed.) Springer-verlag (Berlin), 1, 487.

Wafar, M.V.M. (1992), Management and Conservation Options for Indian Coral Reefs. Tropical Ecosystems : Ecology and Management. Ed. : K.P. Singh and J.S. Singh , pp. 277 - 287. 1992, Wiley Eastern Limited, New Delhi.

Waisel, Y. (1972), "Biology of Halophytes." Academic Press, London and New York.

Walter, H.(1961), The adaptation of Plants of saline soils. Arid zones research VOL. XIV Salinity problems in the arid zones. UNESCO Publ.

Walsh, G.E. (1974), Mangroves : A Review. In R.J. Reimold and W. H. Queen (eds.) Ecology of Halophytes. Academic Press, New York, 51 - 174.

Wolley, J.J., Broyer, T.C. and Johnson, G.V. (1958), Movement of chlorine within plants. Plant physiol. 33 (I) : 1 - 7.

A D D E N D U M

1) Allan, E. F. and Hepler, P. K. (1989). In "Calmodulin and Calcium-Binding Proteins". The Biochemistry of plants. Academic press. Vol. 15

2) Allan, E. F. and Trewavas, A. J. (1987). In "The role of Calcium in metabolic control". The Biochemistry of plants. (P. K. Stumpf and E. F. Conn. eds.), Academic press, New York. Vol. 12 PP. 117-144

3) Ayers , A. D. (1951). Seed germination as affected by soil moisture and salinity. Agron. J. 44 : 82-84

4) Field, C. D. (1984). Ions in mangroves. In " H. J. Teas (ed.), Physiology and Management of mangroves". Dr. W. Junk Publisher. The Hague. ISBN. P. 278

5) Field, C. D. (1986). Salt regulation in mangroves. In Bhosale L. J. (ed.). The Mangroves : Proc. Nat. Symp. Biol. Util. Cons. Nov. 1985. 16-24

6) Field, C. D. (1987). Salt tolerance in mangroves. In Field, C. D. and Dartnall, A. J. (eds.), Mangrove Ecosystems of Asia And The Pacific : status, exploitation and management. Publ. The Australian Institute of Marine Sciences on be half of the Australian Committee for Mangrove Research. ISBN. PP. 278-285

7) Henekel, P. A. (1954). Sur la resistance des Plants a la ' Secheresse et les moyens dela dignostiquer et. de l' augmenter Acad. Sci. URSS. Essais Bot. Bd. 2

8) Nisbet, R. M. and Gurney, W. S. C. (1982). Modelling Fluctuating Populations. John Willey and Sons Ltd. P 344

9) Singh, K. P. and Singh, J. S. (1992). Tropical Ecosystems : Ecology and Management. Willey Eastern Limited, New Delhi. P

10) Walter, H. and Stadelmann, E. (1974). A new approch to the water relations of desert plants. In G. W. Brown, Jr. P.P. (ed.), "Desert Biology " Academic press, New York, Vol II : 212-310