
BIBLIOGRAPHY

REFERENCES

- Abdel Hafeez A.T. (1975). Utilization of water hyacinth (Eichhornia crassipes) as a mulching material. 128-132, in M. Obeid (Ed.). Aquatic weeds in the Sudan. Nat. Council. for Res., Khartoum, Sudan.
- Adam, A. (1975). Studies on plankton-Fish relationships in Jebel Aulia reservoir. M.Sc. Dissertation, Univ. Khartoum, Sudan.
- Afridi, M.M.R.K. and Hewitt, E.J. (1965). Inducible formation and stability of nitrate reductase in higher plants, II. Effects of environmental factors, assimilates and aminoacids on induction. J. Expt. Bot., 16 : 628-645.
- Agharkar, S.P. and Banerjee, S.N. (1932). Fusarium sp. causing disease of Eichhornia crassipes Solms. Proc. Indian Sci. Congr. Abstr. 19 : 298.
- Ambasht, R.S. and Ram, K. (1976). Stratified Primary productivity structure of certain macrophytic weeds in a large Indian lake. Aquatic Weeds in S.E. Asia. W. Junk, The Hague, 147-155 p.
- Anderson, R.G. (1977). Comparative studies of the morphology and ecology of sexual reproduction of Eichhornia crassipes (Pontederiaceae). Dissert. Abstr. Intl. B38 (2): 482-483.
- Andrews, M., Sutherland, O.M., Thomas, R.J. and Sprent J.I. (1984) Distribution of nitrate reductase activity in six legumes : the importance of the stem. New physiologist, 98(2) : 301-310.
- Anonymous (1968-69). Annual Report of Central Inland Fisheries Research Institute, Barrackpore, India.



- Arnon D.I. (1949). Copper enzymes in isolated chloroplasts : Polyphenol oxidase in Beta vulgaris , Plant Physiology 24 : 1-15.
- Aryan, A.P., Batt , R.G. and Wallace, W. (1983). Reversible inactivation of nitrate reductase by NADH and the occurrence of partially inactive enzyme in wheat leaf. Plant Physiol., 71 : 582-587.
- Balasooriya, I.P., Paularj, P.J., Abeygunawardena, S.I. and Nanayakkara, C. (1983). Biology of water hyacinth : Physico-chemical properties of the water supporting Eichhornia crassipes (Mart.) Solms. Int. Conf. on Water hyacinth Feb. 7-11, Hyderabad, India (Ed. G. Thyagrajan).
- Banerjee, S.N. (1942). On fusarium equiseti (Cda) Sacc. (Fusarium falcatum App. et.Wr.) causing leaf spot disease of Eichhornia crassipes Solms. J. Dept. Sci. Calcutta Univ. 1 : 29-37.
- Baruah J.N. (1979). Water hyacinth (Eichhornia crassipes). Status Report from India. 45-71 in rept. first review meeting on management of water hyacinth common W. Sci. Council, London.
- Basseres, A. and Pietrasanta Y. (1991). Mechanism for the purification of effluents with high nitrogen content by a plant cover of water-hyacinths [Eichhornia crassipes] Water Sci. Technol. 24(9) : 229-242.
- Bate, G.C., Meakin, M.E.R. and Oosterhuis, D.M. (1978). Effects of environment on nitrate reductase assays in field growth cotton leaves. Expt. Agric., 14 : 317-323.
- Bates, R.P. and Hentges, J.F. (1976). Aquatic Weeds - eradicate or cultivate. Econ. Botany, 30 : 39-50.
- Bhutarobol, C. (1951). Water-hyacinth (Eichhornia crassipes) Control experiments with 2,3-D at Angthong. Kasikorn, 24 : 449-452.

- Binswanger, H.P. and Shetty, S.V.R. (1977). Economic aspect of weed control in semi-arid tropical areas of India. Proc. Weed Science Conf., 1977, pp. 75-91.
- Boner, J. and Verner, J.E. (1965). Plant Biochemistry. Academic Press, New York and London.
- Boresch, K. (1912). Über Einfluss ansserer Faktoren auf die Gestaltung der Blattstiele von Eichhornia crassipes (Mart.) Solms. Bot. Zentralbl, 120:516.
- Boresch, K. (1912). Die Gestalt der Blattstiele der Eichhornia crassipes (Mart.) Solms. in ihrer Abhängigkeit von verchiedenen Faktoren. Flora 104 : 296-308.
- Bose J.C. (1923). The spread of water hyacinth. Trans. Bose Res. Inst. 3 and 4 : 786-795.
- Bose, P.K. (1933). Problem of water hyacinth. Curr. Sci. 2 : 149.
- Bose, P.K. (1945). The problem of water-hyacinth in Bengal. Sci. Cult., 11 : 167-171.
- Bowerman, A. and Goodman, P.J. (1971). Variation in nitrate reductase activity in Lolium. Ann. Bot., 35 : 353-366.
- Boyd, C.E. (1969). The nutritive value of three species of water weeds. Econ.Bot., 23(2) : 123-127.
- Boyd, C.E. (1970). Vascular aquatic plants for mineral nutrient removal from polluted waters. Economic Botany., 24 : 95-103.
- Boyd, C.E. (1972). A bibliography of interest in the utilization of vascular aquatic plants. Econ.Bot., 26 : 74-84.
- Boyd, C.E. (1976). Accumulation of dry matter nitrogen and phosphorus by cultivated water hyacinths. Econ.Bot., 30 : 51-56.
- Boyd, C.E. and Scarsbrook, E. (1975). Influence of nutrient additions and initial density of plants on production of water hyacinth, Eichhornia crassipes. Aquatic Botany, 1 : 253-261.

- Boyd, C.E. and Vickers D.H. (1971). Variations in elemental content of Eichhornia crassipes. Hydrobiologia, 38 : 409-414.
- Brauh1, P. and Sen Gupta J. (1927). Idem IV. Eichhornia studies, III : on the production of ripeseeds by artificial pollination of Eichhornia speciosa., J. Dept. Sci., Calcutta Univ. 8 : 1-8.
- Brenzy, D., Mehta, I. and Sharma R.K. (1973). Studies on evapotranspiration of some aquatic weeds. Weed Sci., 21 : 197-204.
- Buczek, J. (1985). Regulation of nitrate and nitrite reductase activities in whole cucumber plants by endogenous level of nitrate supply. Acta Physiologiae Plantarum., 7 (1) : 21-30.
- Center, T.D. (1980). Biological control and its effect on production and survival of water hyacinth leaves. Proc. V Int. Symp. Contr. Weeds, Brisbane, Australia : 393-410.
- Center, T.D. and Bakiunas J. (1976). Appendix B. The effects of water quality on the distribution of alligator weed and water hyacinth. in : Aquatic plant control program. Tech. Rept. No.10 US Army Engineer Waterways Expt. St. Mississippi B1-B13 p.
- Chadwick, M.J. and Obeid, M. (1966). A comparative study of the growth of Eichhornia crassipes Solms. and Pistia stratiotes in water culture. J. Ecol., 54 : 563-575.
- Chandra Singh D.J. and Rao K.N. (1976). Aquatic weed control in irrigated channels and drains of Andhra Pradesh. Andhara Agric. J., 26 : 1-9.
- Chang, F.H. and Throughton, J.H. (1972). Chlorophyll a/b ratios in C₃ and C₄ plants. Photosynthetica 6(1) : 57-65.
- Charudattan, R., Conway, K.E. and Freeman, T.E. (1976). A blight of Water-hyacinth, Eichhornia crassipes caused by Bipolaris

- stenospila (Helminthosporium stenospilum). Abstr. Proc. Am. Phyto-pathol. Soc. 2 : 65.
- Chavan, S.R. (1987). Physiological studies in nitrogen metabolism of groundnut (Arachis hypogaea L.) M.Phil. Thesis approved by Shivaji University, Kolhapur (India).
- Chen, T.M., Brown, R.H. and Black, C.C. (1970). CO₂ compensation concentration rate of photosynthesis and carbonic unhydrase activity of plants. Weed Sci., 18 : 399-403.
- Danawade, L.N. (1988). Studies in aquatic plants and their utilization for pollution removal, energy generation and manuring - Ph.D. Thesis approved by Shivaji University, Kolhapur.
- Das, R.R. (1968). Growth and distribution of Eichhornia crassipes and Spirodela polyrhiza. Ph.D. thesis, Banaras Hindu Univ. Varanasi.
- Das, V.S.R. and Santakumari, M. (1977). Stomatal characteristics of some dicotyledons plants in relation to C₄ and C₃ pathways of photosynthesis. Plant and Cell Physiology, 18 (4) : 935-938.
- Datta P.K., Chakrabarty P.R., Guha B.C. and Ghosh J.J. (1966). Protein concentrated from leaves of water hyacinth. Indian J. Appl. Chem., 29 : 7-13.
- De-Casabianca, C., Lucy, M. and Goma, G. (1991). Treatment of paper industry effluents with Eichhornia crassipes. C. R. Acad. Sci. Ser. III Sci. VIE 312 (11) : 579-585.
- Del Fosse, E.S. (1977), Water hyacinth biomass yield potential, Clean Fuels from Biomass and wastes; Proc. 2nd Symp. Fla. 73-79.
- Delgado, M. Guariola, E. and Bigeriego, M. (1992). Methane generation from water hyacinth biomass. S. Environ. Sci. Heath Part A Environ. Sci. Eng. 27(2) : 347-367.

- DellaGreeca, M., Lanzetta, R., Molinaro A., Monaco, P. and Previtera L. (1991). A bioactive benzoindene from Eichhornia crassipes Soms. Bioorg. Med. Chem. Lett., 1(11) :599-600.
- DellaGreeca, M., Lanzetta R., Molinaro A., Monaco, P. and Previtera L. (1992). Phenalene metabolites from Eichhornia crassipes. Bioorg. Med. Chem. Lett., 2(4) 311-314.
- Denton, J.B. (1967). Certain relationship between the chemical composition of aquatic plants and water quality. Proc. 25th Weed Conf., 354-362.
- Desai, S.A. (1986). Studies of Nitrate reductase in sunhemp (Crotalaria juncea L.) M.Phil. Thesis approved by Shivaji University, Kolhapur (India).
- Deshapande, A.V. (1993). Studies in phyllody disease of Parthenium hysterophorus L. with respect to morphology, plant phenolics and sesquiterpene Lactone. M.Phil. thesis approved by Shivaji University, Kolhapur (India).
- Dias, G.R.W. (1967). Eradication of water weeds in Ceylon. World Crops., 19 (1) : 64-68.
- Dykijova D. (1979). Selective uptake of mineral ions and their concentration factors in aquatic higher plants. Folia Genbot., 14 : 267-325.
- Dymond G.C. (1947). An item in conservation soil fertility. Proc. Ann. Congr. S. African Sugar Technol., 21 : 101-103.
- Dymond, G.C. (1948). The water-hyacinth : a cindrella of the plant world. Soil fertility and sewage. Dover Publ. New York., 221 to 227 p.
- El Moghraby, A.I. (1975). Some effects of Eichhornia crassipes (Mart.) Solms. on the productivity of the White Nile. in M. Obeid (Ed) Aquatic Weeds in the Sudan. Natn. Council for Res., Khartoum. 133-150p.

- Fabreguettes, J., Salpger J.L., and Roy J. (1992). An automated carbon dioxide control system for plant growth chamber and its use to estimate net plant carbondioxide exchange. J. Agri. Eng. Res. 51 (2) : 129-138.
- Faris, F. (1972). Studies on the ecology of Eichhornia crassipes (Mart.) Solms. in the Sudan Univ. Khartoum, Kharotum.
- Ferrari, T.E. and Warner, J.E. (1969). Substrate induction of nitrate reductase in barley aleurone layers. Plant Physiol., 44 : 85-88.
- Finlow, R.S. and Mclean, R. (1917). Water hyacinth and its value as Fertilizer. Govt. Printing Press, Calcutta, 16.
- Francois, J. (1970). Recherchers experimentales sur l' ecologie la jacinthe d'eau Eichhornia crassipes (Mart.) Solms. Doctoral thesis, Faculte Sci. Agronom., Gembloux, Belgium.
- Freeman, T.E., Conway, K.E., Charudattan, R., Zettler, F.W. and Martyn, R.D. (1976). Biological control of aquatic weeds with plant pathogens. Contract Report A76-2, US Army. Engr. Waterways Expt. St.Vicksburg, Mississippi. 28p. Also as Univ. Florida Water Resources Res. Center Publ. 36 : 39p.
- Ganga-Vislakshy P.N. and Jaynath K.P. (1991). Studies on life history and development of Orthoqalumna terebrantis wall work, an exotic cribatid of Eichhornia crassipes. Entemon (16) : 53-58.
- Gangstad, E.O. (1976). Potential growth of aquatic plants in the Republic of the Philippines and projected methods of control. J. Aquatic Pl. Mgmt., 14 : 10-14.
- Gay, P.A. (1960). Ecological studies of Eichhornia crassipes Solms. in Sudan. I. Analysis of spread in the Nile. J.Ecol. 48 : 183-191.

- Goel, P.K., Trivedy, R.K. and Vaidya, R.R. (1985) Accumulation of nutrients from wastewater by water hyacinth (Eichhornia crassipes) Geobios, 12 : 115-119.
- Gopal B. and Sharma K.P. (1981). Water hyacinth (Eichhornia crassipes) the most troublesome weed of the world. Hindasia Publishers.
- Gosset D.R. and Norris W.E. (1971). Relationship between nutrient availability and content of nitrogen and phosphorus in tissues of aquatic macrophyte, Eichhornia crassipes (Mart) Solm. Hydrobiologia, 38 : 15-28.
- Grant, Z.C. (1962). Aquatic weed control program of the central and southern florida flood control district. Hyacinth control J. 1 : 24-31.
- Grodowitz M.J., Stewart, R.M. and Cofrancesco A.F. (1991). Population dynamics of water hyacinth and the biological control agent Neochetina eichhornae. Environ Entomol. 20(2) : 652-660.
- Gupta, G.C. (1980) Use of water hyacinths in waste water treatment. Journal of Environmental Health. 43(2) : 80-82.
- Gupta, G.C. (1982). Use of water hyacinth in wastewater treatment (A brief literature review). Abstract. J. Environ. Health, 43(2) : 80-82.
- Gupta, D.P. (1976). Effect of high sodium absorption ratio on the growth of water hyacinth. Paper read at Weed Sci., Nigeria.
- Gupta, U.P. (1979). Aquatic weeds : Their menace and control : a text book and manual. Today and Tomorrow's Print. Publ., New Delhi.
- Gupta, R.K. and Mittal, R.K. (1983) Bibliography of Indian Weeds. Associated Publishing Company, New Delhi (India).
- Hagg K.H. and Boucias, G. (1991). Infectivity of insect pathogens against Neochetina eichhornae a biological control agent of water hyacinth. Fla. Entomol. 74 (1) : 128-133.

- Haller, W.T., Knipling, E.B. and West S.H. (1970). Phosphorus absorption by and distribution in water-hyacinth. Soil & Crop. Sci. Florida, Proc. (30) : 64-68.
- Haller, W.T. and Sutton, D.L. (1973). Effects of pH and high phosphorus concentration on growth of water hyacinth. Hyacinth Control J. (11) : 59-61.
- Haller, W.T., Sutton, D.L. and Barlowe, W.C. (1974). Effects of salinity on growth of several aquatic macrophytes. Ecology 55 : 891-894.
- Hamdoun, A.M. and Tighani H.B.EL. (1977). Weed control problems in the Sudan. PANS 23 : 190-194.
- Harper, J.L. (1977). 'Pollution Ecology of Plants' [Academic Press : New York] 892 p.
- Hatam, M.D. (1978). Comparison of in vivo and in vitro assays for I nitrate reductase activity determination in soybean tissues. Soil Sci. Plant Nutr., 24(3) : 315-318.
- Haun G.D., Changgiang, Q., Xingxiang, S. and Yuanxiang, Z. (1992) Effect of plant hormone on the performance of water hyacinth in cool tolerance and pollution. Chin. J. Environ. Sci., (Beijing) 13 (1) : 6-11.
- Hawk, P.B., Oser, B.L. and Summerson, W.H. (1948). 'Practical Physiological Chemistry' Publ. The Blackiston Company U.S.A.
- Hearne J.S. (1966). The Panama Canal's aquatic weed problem. Hyacinth control J. 5 : 1-5.
- Heimer, Y. and Filner, P. (1971). Regulation of nitrate assimilation path way in cultured tobacco cells III. The nitrate uptake system. Biochimica et biophysica Acta., 230 : 362-372.
- Hewitt, E.J., Hucklesby D.P., Monn, A.F., Notton, B.A. and Rucklidge, G.J. (1979). Regulation of nitrate assimilation : In 'Nitrogen Assimilation of Plants' EDS. Hewitt, E.J. and Cuttings, C.V. Academic Press, New York., pp. 255-287.

- Hitchcock, A.E., Zimmermann P.W., Kirkpatrick, H. JR. and Earle T.T. (1959). Water-hyacinth : its growth, reproduction and practical control by 2,4-D. Contrib. Boyce Thompson Inst. Pl.Res. 15 : 363-401.
- Holden, M. (1973). Chloroplast pigments in plants with the C₄ dicarboxylic acid pathway of photosynthesis. Photosynthetica. 7 (1) : 41-49.
- Howard-Williams, C. and Junk W.J. (1977). The chemical composition of central Amazonian aquatic macrophytes with special reference to their role in ecosystem. Arch. Hydrobiol. 79 : 446-464.
- Husband, B.C. and Barrett, S.H. (1992). Pollination in populations of tristylous Eichhornia paniculata in North-eastern Brazil. Oecologia. 89 (3) : 365-371.
- Hussain, M.S. and Jamil K. (1992). Appearance of new potents in water hyacinth weevils (Neochetina eichhornae) under the influence of metal bioaccumulation. Arch. Environ. Contam.
- Hutchinson, J. (1959). The families of flowering plants. Vol.II Monocotyledons Oxford Uni. Press, London.
- Iswarn, V. (1976). Stimulatory action of Azotobacter chroococcum from water-hyacinth (Eichhornia crassipes (Mart.) Solms.) on germination of seeds of rye (Secale cereale). Sci. Cult. 42 : 162-163.
- Iswarn, V., Sen, A. and Apte, R. (1973). Azotobacter chroococcum in the phyllosphere of Water-hyacinth (Eichhornia crassipes (Mart.) Solms.) Pl. Soil. 39 : 461-463.
- Jagtap, M.N. (1990). Cytological, Genetical and physiological studies in Tribulus terrestris Linn. M.Phil. thesis approved by Shivaji University, Kolhapur (India).
- Jamieson, G.I., Kershaw, C. and Ceisiolka R.J. (1977). Water hyacinth control on lower fitzroy river. J. Aquatic Pl. Mgmt. 15 : 5-9.

- Jaworski, E.G. (1971). Nitrate reductase assay in intact plant tissues. Biochem. Biophys. Res. Commun. 43 : 1274-1279.
- Jones, R.W. and Sheard, R.W. (1977). conditions affecting in vivo nitrate reductase activity in chlorophyllous tissue. Can. J. Bot., 55 : 896-901.
- Jordon, W.R. and Huffakar, R.C. (1972). Influence of age and light on the distribution and development of nitrate reductase in greening barley leaves. Physiol Plant. 26 : 296-301.
- Karadge, B.A. (1981). Physiological studies in Portulaca oleracea plant. Ph.D. Thesis approved by the Shivaji University, Kolhapur (India).
- King Lawrence, J. (1974). "Weeds of the World", (first reprint) Wiley Eastern Private Limited, New Delhi.
- Kirkland, D.L. (1977). Effects of water temperature on growth, transpiration and nutrient uptake by water-hyacinth (Eichhornia crassipes (Mart.) Solms.) Dissertation, 109 p.
- Klingman, G.C. (1978). "Weed Control as a Science" (first reprint) Wiley Eastern Private Limited, New Delhi.
- Klingman, G.C., Ashton, F.M. and Noordhoff (1982). Weed Science : Principles and practices, Second Edition. A Wiley-Interscience Publication, New York.
- Knipling, E.B., West, S.H. and Holler, W.T. (1970). Growth characteristics, yield potential and nutritive content of water-hyacinths. Proc. Soil and Crop Sci. Soc. Florida. 30 :51-63.
- Knopf K.W. and Habeck D.H. (1976). Life history and biology of Samea multiplicalis. Environ. Entomol., 5 (3) 539-542.
- Knyl, J.S. (1974). Induction of nitrate reductase by succinic acid, 7-dimethylhydrazide in cucumber cotyledons. Z. Pflanzenphysiol. 71 : 37-48.

- Kunth, C.S. (1842). Eichhornia : Genus novum familia pontederiaceaeum, Berlin 7 p.
- Laal A.K. (1991). Association of macroinvertebrates with macrophytes in some tropical ponds. J. Int. Fish Soc. India. 21 (1) : 20-25.
- Lawrence, J.M. and Herrick H.E. (1982) Media for in vivo nitrate reductase assay of plant tissues. Plant Science. Letters, 24 : 17-26.
- Lenka, M., Panda, K.K. and Panda B.B. (1992). Monitoring and assessment of mercury pollution in the vicinity of a chloro-alkali plant : IV Bio concentration of mercury in in situ aquatic and terrestrial plants at Ganjam, India. Arch. Environ. Contam Toxicol. 22 (2) : 195-202.
- Lin, W.H. and Kao, C.H., (1980). Factors affecting in vivo nitrate reductase activity in triticale. Physiol Plant., 48 : 361-364.
- Little, E.C.S. (1966). The invasion of manmade lakes by plants. Man made Lakes. Acad. Press, London 75-86 p.
- Majid, F.Z. (1986). Aquatic Weeds- utility and development. Published by Agro Botanical Publishers (India).
- Matthews, L.J. (1971). Water-hyacinth : a million dollar menace N.Z.Y. Agric. 123 (6) : 41.
- McLean, K. (1922). Water hyacinth a serious pest in Bengal. Agric. J. India. 17 : 23-40.
- Mehrotra, R. and Aowal AFSA, - (1982). Water hyacinth - An appropriate solution to water pollution problems. J. of Inst. of Enngs. 62 : 43-46.
- Monakov, A.V. (1969). The zooplankton and the Zoobenthos of the White Nile and adjoining waters in the Republic of the Sudan. Hydrobiologia 33 : 161-167.
- Morilla, C.A., Boyer, J.S., Hageman, R.H. (1973). Nitrate reductase activity and polyribosomal content of corn. (Zea

- mays) I. leaving leaf water potentials. Plant Physiol., 51 : 817-824.
- Muenschler, W.C. (1962). "Weeds" (Second Edition) The Macmillan Company, New York.
- Munjal, S.V., Kadam, S.S. and Salunkhe, D.K. (1983). Factors influencing in vivo nitrate reductase activity in winged bean (Psophocarpus tetragonolobus L.D.C.). Indian J. Plant Physiol., 26 (1) : 21-26.
- Musil, C.F. and Breen, C.M. (1977). The influence of site and position in the plant community on nutrient distribution in and content of Eichhornia crassipes (Mart) Solms. Hydrobiologia 53 : 67-72.
- Musil, C.F. and Breen, C.M. (1977). The application of growth kinetics to the control of Eichhornia crassipes (Mart.) Solms. through nutrient removal by mechanical harvesting. Hydrobiologia 53 : 165-171.
- Nag, B. (1976). The destruction of water hyacinth by utilization in aquatic weeds in South Asia W.Jun. The Hague, 383-385.
- Nagabhushanam, R., Awad, V.R. and Sarojini, R. (1981). 'Laboratory Exercises in Animal Physiology' COSIP-UPL (Biology) Publication. Marathwada Univ. Publ., 21-25.
- Nag Raj, T.R. (1965). thread blight of water hyacinth. Curr. Sci. 34 : 618-619.
- Nag Raj, T.R. and Ponnappa, K.M. (1967). Some interesting fungi of India. Tech. Bull. Commonw. Inst. Biol. Control 9 : 75-80.
- Nag Raj, T.R. and Ponnappa, K.M. (1970). Some interesting fungi occurring on aquatic weeds and Striga spp. in India. J. Indian bot. Soc. 49 : 64-71.
- Nag Raj, T.R. and Ponnappa K.M. (1970). Blight of water-hyacinth caused by Alternaria eichhorniae Sp.nov. Trans. Brit. Mycol. Soc. 55 : 123-30.

- Nambiar, P.T.C., Rego T.J. and Srinivasa Rao B. (1986). Comparison of the requirements and utilization of nitrogen by genotypes of Sorghum (Sorghum bicolor (L.) Moench). and nodulating and non-nodulating groundnut (Arachis hypogaea L.) Field Crops Research., 15 : 165-179.
- Nayak, D.N., Swain, A. and Rao, V.R. (1979). Nitrogen fixing Azopirillium lipoferum from common weeds associated with rice and aquatic ecosystems. Current Sci. 48 : 866-867.
- Nicholas, J.C., Harper, J.e. and Hageman, R.H. (1976). Nitrate reductase activity in soybeans (Glycine max L. Merr.). Plant Physiol., 58 : 731-735.
- Noggle, G.R. and Fritz, G.J. (1986). Introductory plant physiology (2nd edition) Publ. Prentice Hall of India Pvt. Ltd., New Delhi.
- Obeid, M. and Chadwick, M.J. (1964). Some factors affecting the growth of two aquatic weed species of the Nile-Water hyacinth (Eichhornia crassipes Solms.) and water lettuce (Pistia stratiotes L.) Proc. 7th Brit. Weed Control Conf : 548-552.
- Padwick, G.W. (1946). Notes on Indian fungi. IV. Commonw. Inst. mycol. Papers 17 : 1-12.
- Parija, P. (1934), Physiological investigations on water hyacinth (Eichhornia crassipes) in Orissa with notes on some other aquatic weeds. Indian J. Agric. Sci. 4 : 399-429.
- Parra, J.V. and Horstenstine C.C. (1974a). Plant nutritional content of some Florida, water hyacinths and response by pearl millet to incorporation of water hyacinths in three soil types. Hyacinth control J. 12 : 85-90.
- Parra, J.V. and Horstenstine C.C. (1974b). Plant nutritional value of dried water hyacinths. Florida Agric. Expt. St. J.Ser. Do. Univ. Florida Gainesville.

- Pathak, P.G. (1971). Eco-physiological studies in Lippia (Phyla) nodiflora. M.Phil. thesis approved by Shivaji University, Kolhapur (India).
- Pathan, S.N. (1982). Studies in photosynthesis and senescence in Alternanthera ficoidea and A. paronychioides. Ph.D. thesis, approved by the Shivaji University, Kolhapur (India).
- Patil, S.K. (1988). Eco-physiological studies in Weeds. M.Phil. Dissertation approved by the Shivaji University, Kolhapur (India).
- Patil, S.K. and Waghmode, A.P. (1989). Ecophysiological studies in Euphorbia geniculata Orteg. Bioviqyanam 15 (2) : 94-97.
- Patil, T.M. (1980) "Physiological studies in Parthenium hysterophorus" Ph.D. thesis, approved by the Shivaji University, Kolhapur (India).
- Patterson, D.T. and Duke, S.L. (1978). Effect of growth irradiance on the photosynthetic potential of water hyacinth [Eichhornia crassipes (Mart.) Solms.] Abstr. Meeting Weed Sci. Soc. Am. 47-48.
- Patterson D.T. and Duke, S.L. (1979). Effect of growth irradiance on the maximum photosynthetic capacity of water hyacinth [Eichhornia crassipes (Mart.) Solms.] Pl. Cell Physiol. 20 : 177-184.
- Penfound, W.T. and Earle T.T. (1948). The biology of water hyacinth. Ecol. Monogr. 18 : 447-472.
- Peter, A., Warembourgh, R.F., and Roy, J. (1991). Transport of carbon among concentrated ramets of Eichhornia crassipes (Pontederiace) at normal and high levels of carbon dioxide. Am. J. Bot. 78 (11) : 1459-1466.
- Petrell, R.J. and Bagnail, L.D. (1991). Hydromechanical properties of water-hyacinth mats. Aquacult Eng. 10(2) : 133-147.

- Phillipose, M.T. (1959). Some practical hints for the control of common aquatic weeds in fishery waters of India. Central Inland Fish. Res. Sta. Barrackpore. 12 p.
- Phillipose, M.T. (1963). Indian Livestock 1 (2) : 20-34.
- Phillipose, M.T. (1968). Present trends in the control of weeds in fish cultural waters of Asia and the far East. FAO Fish. Rept. 44 (5) : 26-52.
- Pirie, N.W. (1960). Water hyacinth a curse or a crop. Nature, London, 185 : 116.
- Plaut, Z. (1973). The effect of soil moisture tension and nitrogen rubp on nitrate reductase and accumulation in wheat seedlings. Plant Soil., 38 : 81-94.
- Poddar, K., Mandal, L. and Banarjee (1990). Effect of feeding different forms of water hyacinth [Eichhornia crassipes] on palatability in growing calves. Indian J. Anim. Nutr. 7(3) : 211-214.
- Purchase, B.S. (1977). Nitrogen fixation associated with Eichhornia crassipes. Pl. Soil. 46 : 283-286.
- Ramchandran, V. (1963). Report on the infestation of water hyacinth in Marikollong bheel (Nowgong, Assam) with recommendations for its eradication. Bull. Central Inland Fish. Res. Ins. 2 : 1-13.
- Ramchandran, V. and Ramaprabhu T. (1973). Use of ammonia for aquatic weed control - a review. P. 293-298, in : Aquatic Weeds in S.E. Asia. W.Junk, The Hague.
- Rao, V.S. (1979). Report on the current status of weed research in India - 1978. Paper presented at Symp. Weed Sci. Conf.f., Marathwada Agri. Univ. Parabhani.
- Rao, V.S. (1983). Principles of Weed Science. Oxford and IBH Publishing Co., New Delhi.

- Reilly, M.L. (1976). The nitrate assimilation capacity of some Irish-growth wheat (Triticum vulgare) varieties I. Levels of nitrate reductase activity and its distribution in the plant. Proc. R. Ir. Acad. B., 76 : 543-554.
- Rhodes, P.R. and Matsuda, K. (1976). Water stresses, rapid polyribosomes reduction and growth. Plant Physiol., 58 : 331-335.
- Rogers, H.H. and Davis D.E. (1972), Nutrient removal by Water hyacinth. Weed Sci. 20 : 523-528.
- Roger, J.D. and Davis, J.W. (1972). Nutrient removal by water hyacinth. Weed Science, 20 (5) : 423-428.
- Sabale, A.B. (1983). Studies in photosynthesis in plants. Ph.D. Thesis, approved by Shivaji University, Kolhapur (India).
- Santiago, C. (1973). different factors affecting the growth of Eichhornia crassipes. Proc. 2nd Indonesian Weed Sci. Soc. Conf. Yogyakarta : 2-5.
- Sarma, K.S.R. and Rao, K.S. (1983). Studies on water hyacinth as a source of energy. Proceedings of The International Conference on Water Hyacinth Hyderabad, India. Feb. 7-11, 526-529 (Ed. G. thyagrajan).
- Schlesier, G. (1977). Nitrate reductase activity in the leaves and fruits of various legumes. Biochem. Physiol. Pflanzen (BPP), 171 (6) : 511-535.
- Scott, R.A. (1968) Resdume of the crops of engineers nationwide aquatic plant control programm. Proc. 22nd N.E. Weed Control Conf. U.S.A. 170-176.
- Sculthorpe, C.B. (1967). The Biology of Aquatic Vascular Plants. St. martins Press, New York, 610 P.
- Seed, T.M. and Obeid, M. (1975). Sexual reproduction of Eichhornia crassipes(Mart.) Solms. in the Nile. Weed Res. (U.K.) 15 : 7-12.
- Sen, D.N. (1981). Ecological Approaches to Indian Weeds. Geobios

- International P.O. Box 14, Jodhpur, India.
- Sen, H.K. (1930). Water hyacinth as a source of power. Trans 2nd World Power Conference, Berlin. 6 : 221-237.
- Sen, H.K., Pal, P.P. and Ghosh, S.B. (1929). Studies in the lignocellulose group. I : An investigation into the constituents of water hyacinth (E. crassipes) J. Ind. Chem. Soc., 6 : 673-690.
- Sharma, A. (1971). Eradication and utilization of water hyacinth - a review. Curr. Sci. 40 : 51-55.
- Sheffield C.W. (1967). Water hyacinth for nutrient removal. Hyacinth Control J., 6 : 27-30.
- Shinde, L.S. (1981). Physiological studies in mangroves. Ph.D. Thesis approved by Shivaji University, Kolhapur (India).
- Shirley, R.L., Easley, J.F. and Henteges, J.F. (1976). Toxic substances and chemical composition of hyacinths and other water plants. Ann. Rept. Inst. Food and Agric Sci. Univ. Florida, Gainesville : 110-111.
- Shrivastava, H.N. (1984). Plant Physiology. Pradeep Publications, Jalandhar (India).
- Singal, P.K., Gour, S. and Talegaonkar L. (1992). Relative contribution of different decay processes to the decomposition of Eichhornia crassipes (Mart.) Solms. Aquat Bot. 42 (3) : 265-272.
- Sinha, S.N. and Sinha, L.P. (1969). Studies on the use of water hyacinth culture in oxidation ponds treating digested sugar wastes and effluent of septic tank. Ind. J. Env. Health, (U.K.), 11 (3) : 197-207.
- Slamet, S. and Sukawati, S. (1975). Interaction between light intensities and nutrient concentrations on the growth of water-hyacinth (Eichhornia crassipes). Proc. 3rd Indonesian Weed Sci Conf. Bandung, 377-391.

- Slamet, S. and Sukowati, S. (1975). Interaction between pH and nutrient concentration on the growth of water-hyacinth (Eichhornia crassipes (Mart.) Solms.) Proc. 5th Asian Pacific Weed Sci. Soc. Conf., Tokyo : 435-438.
- Slamet, S. and Sukowati, S. (1975). Study on the effect of light intensity and levels of nutrients on the growth of water-hyacinth. Biotrop. Newsletter 12 : 12.
- Smith F. (1932-33). Destruction of water hyacinth. Annual Report, Department of Agriculture, Bengal (India) 11, 43.
- Snyder, W.C. and Hansen, H.N. (1945). The species in Fusarium with reference to discolor and other sections. Am. J. Bot., 32 : 657-666.
- Soekisman, T. (1977). The effect of pH, nutrient level and herbicide treatment on the growth of water-hyacinth [Eichhornia crassipes (Mart.) Solms.] M.Sc. thesis, Univ. Phillipines, Los Banos.
- Srinivasan, S.P. and Naik, M.S. (1982). Revaluation of *in vivo* assay of nitrate reductase activity in wheat leaves. Plant Science Letters, 25 : 9-14.
- Srivastava, H.S. (1965). distribution of NR in aging bean seedlings. Plant Cell Physiol., 16(6) : 995-999.
- Stephens, E.L., Easley, J.F., Shirley, R.L. and Hentge, F.J. (1973). Availability of nutrient mineral elements and potential toxicants in aquatic plant diets feed steers. Proc. Soil Crop. Sci. Soc., Florida : 30-32.
- Steward, K.K. (1970). Nutrient removal potential of various aquatic plants, Hyacinth Control J., 8 : 34-35.
- Streeter, J.G. and Bosler, M.E. (1972). Comparison of *in vitro* and *in vivo* assays for nitrate reductase in soybean leaves. Plant Physiol., 49 : 448-450.
- Streit, L. and Feller, O. (1982). Changing activities of nitrogen assimilating enzymes during growth and senescence

- of dwarf beans. (Phaseolus vulgaris L.). Z. Pflanzenphysiol., 108 (3) : 273-281.
- Stoddard, E.M. (1965). Identifying plants by epidermal characters. Can. Agric. Exp. Stat. Circular : 227.
- Susiawaningrini, D.P., Soewardi, B. and Thohari, M. (1979). Water hyacinth (Eichhornia crassipes Mart. Solms.) in broiler rations, Proc. 6th Asian Pacific Weed Sci. Soc. Conf., Jakarta : 623-627.
- Sutton, D.L. and Blackburn, R.D. (1971). Uptake of copper by water hyacinth. Hyacinth Control J., 9 : 18-20.
- Sulton, D.L., Blackburn, R.D. (1971). Uptake of copper by parrot feather and water-hyacinth. Abstr. Proc. 24th annual meeting 5th Weed Sci. Soci : 331.
- Tag EL Seed, M. (1972). Some aspects of the biology and control of Eichhornia crassipes (Mont.) Solms. Ph.D. Thesis, Univ. Khartoum, 274 p.
- Tag EL Seed, M. (1975). Water-hyacinth - the successful weed. in M. Obeid (Ed.). Aquatic Weeds in the Sudan. Natn. Coun. Res., Khartoum - 50-68 p.
- Thombre, R.R. (1987). Studies in physiology of leaf ontogeny in plants. Ph.D. Thesis approved by Shivaji University, Kolhapur (India).
- Timmer, C.E. and Weldon L.W. (1967). Evapo-transpiration and pollution of water hyacinth. Hyacinth Control J. 6 : 34-37.
- Toth, S.J., Prince, A.L., Wallace, A. and Mikkelsen, D.S. (1948) Rapid qualitative determination of 8 mineral elements in plant tissues by systematic procedure involving use of flame photometer. Soil Sci. 66 : 459-466.
- Trivedy, R.K. (1983). Growth and absorption of nutrients from sewage and tap water by water hyacinth. Ist Progress Report U.G.C. Project, March 1983.

- Trivedy, R.K. and Goel, P.K. (1985). Current Pollution Researches in India. Environmental Publications, Karad (India).
- Trivedy, R.K. and Gopal, B. (1981). Seasonal changes in growth and mineral composition of Eichhornia crassipes (Mart. Solms.) Acta Limnol Indica, 1 : 41-44.
- Trivedy, R.K. and Gudekar, V.R. (1985). Water hyacinth for wastewater treatment : A review of the progress. Environmental Publications, Karad (India).
- Trivedy, R.K., Sharma, K.P., Goel, P.K. and Gopal, B. (1978). Some ecological observations on floating islands. Hydrobiologia, 60 : 187-190.
- Ultsch, G.R. and Anthony, D.S. (1973). Role of aquatic exchange of carbon dioxide in the ecology of water hyacinth (Eichhornia crassipes) Florida Sci., 36 : 16-22.
- Upadhye, A.B. (1986). Studies of physiological changes during leaf development. Ph.D. Thesis, approved by Shivaji University, Kolhapur (India).
- Vaidya, V.G., Sahasrabuddhe, K.R. and Khuspe, V.S. (1978). Crop production and field experimentation. Continental Prakashan, Poona, pp. 61.
- Vietmeyer, N.D. (1975). The beautiful blue devil (water hyacinth), Natural History 84 : 65-69.
- Waghmode, A.P. (1982). Physiological Studies in Photorespiration in saline plants. Ph.D. Thesis, approved by Shivaji University, Kolhapur (India).
- Waghmode, A.P. and Patil, S.K. (1988). Nitrogen nutrition in wetland plants, VEGETIOS 1 (2) : 134-137.
- Wakefield, J.W. and Beck, W.M. Jr. (1962). Effects of water pollution on aquatic vegetation. Hyacinth Control J. 1 : 12.
- Wolverton, B.C. and McDonald, R.C. (1976). Water hyacinth a renewable source of energy in capturing sun through bioconversion, Washington D.C.: 249-260 p.

- Wolverton, B.C. and McDonald, R.C. (1976). Don't waste water weeds. Newe Sci., 71 (1031) : 318-320.
- Wolverton, B.C. and McDonald, R.C. (1978). Nutritional composition of water hyacinths grown on domestic sewage. NASA (ERL Report No. 173) Washington D.C.
- Wolverton, B.C. and McDonald, R.C. (1979). The water hyacinth : From prolific pest to potential provider. Ambio., 8(1) : 1-9
- Wolverton, B.C. and McDonald R.c. (1979). Upgrading facultative wastewater lagoons with vascular aquatic plants. J. Water Poll. Cont. Fed. 51 : 305-313.
- Wooten, J.W. and Dodd, J.L. (1976). Growth of water hyacinth in treated sewage effluents, Econ. Bot., 30 : 29-37.
- Wunderlich, W.E. (1962). History of water-hyacinth control in Louisiana. Hyacinth Control. J., 1 : 14-16.
- Wunderlich, W.E. (1964). Water-hyacinth control in Lovisiana. Hyacinth Control J. 3 : 4-7.
- Yadav, U.A. (1991). Cytotaxonomic studies in genus Cyanotis Don. M.Phil. thesis approved by Shivaji University, Kolhapur (India).
- Yaduraju N.T. and Mani, V.S. (1979). The water hyacinth has its uses. Sci. Today; 13 (13) : 51.
- Yount, J.L. and Crossman, R.A. Jr. (1970). Eutrophication control by plant harvesting. J. Water Poll, Cont. Fed. (UK) 42; R173-R183.
- Yousif, A.M. (1974). The influence of Eichhornia crassipes (Solms.) on planktonic development in the White Nile. Arch. Hydrobiol. 47 : 463-467.
- Zettler, F.W. and Freeman, T.E. (1972). Plant pathogenes as biocontrol of aquatic weeds. Ann. Rev. Phytopathol. (10) : 455-470.