

Bibliography

BIBLIOGRAPHY

1. American Society for Testing and Materials (ASTM), 1991. Vol. 11.01. Washington. D1971-91.
2. Avadhani, P. N., Chen, M. L. and Goh, C. J. 1984. Photosynthetic studies on water hyacinth. 275-297, In: Thyagarajan, G. (ed.), Proc. Int. Conf. Water hyacinth UNEP, Nairobi.
3. Azadpour-Keeley Ann., Hugh, H. R. and Guy W. S. 1999. Microbial processes affecting monitored natural attenuation of contaminants in the subsurface, EPA/540/S-99/001.
4. Balasooriya, I. 1979. Research Project on the management of water hyacinth a status report from Sri Lanka. 76-79, in report of review meeting on management of water hyacinth. CSC (79) RT-5. Common wealth Science Council, London.
5. Balasooriya, T., Paulraj, P. J., Abeygunawardena, S. I. and Nanayakara, C. 1984^a. Biology of water hyacinth: Physicochemical properties of the water supporting *Eichhornia crassipes* (Mart.) Solms. 318-333. In: Thyagarajan, G. (ed.), Proc. Int. Conf. Water hyacinth UNEP, Nairobi.
6. Balasooriya, I., Paulraj, P. J., Abeygunawardena, S. I. and Nanayakara, C. 1984^b. Biology of water hyacinth: Influence of nutrients on shoot/root ratio of *Eichhornia crassipes* (Mart.) Solms. 334-347, In: Thyagarajan, G. (ed.), Proc. Int. Conf. Water hyacinth UNEP, Nairobi.
7. Barko, J. W., Hardin, D. G. and Mathews, M. S. 1981. Growth and morphology of submersed freshwater macrophytes in relation to light and temperature. Can. J. Bot. 60: 877-887.
8. Baruah, J. N. 1984. An environmentally sound scheme for the management of water hyacinth through its utilization. 96-125. In: Thyagarajan, G. (ed.), Proc. Int. Conf. Water hyacinth UNEP, Nairobi.
9. Berg, A. 1961. Role ecologique des eaux de la Cuvette Congolaise sur la Croissance de la jacinthe d'eau (*Eichhorina crassipes* (Mart.) Solms). Mem. Acad. Royale des Sciences d'Outre Mer, Cl. Sci. Nat. et Med., nouv. Ser. XII (fasc. 3): 1-119.
10. Bock, J. H. 1966. An ecological study of *Eichhornia crassipes* with special emphasis on its reproductive biology. 175.
11. Boyd, C. E. and Scarsbrook, E. 1975. Influence of nutrient additions and initial density of plants on production of water hyacinth *Eichhornia crassipes*. Aquatic. Bot. 1: 253-261.

Bibliography

12. Boyd, C. E., and Vickers, D. H. 1971. Variation in the elemental content of *Eichhornia crassipes*. *Hydrobiologia*, 38: 409-414.
13. Brennan, M. A. and Shelley, M. L. 1999. a model of the uptake, translocation, and accumulation of lead (Pb) by maize for the purpose of phytoextraction. *Ecological Engineering*, 12, 271-297.
14. Buddhari, W., R. Virabalin and K. Aikamphon, 1984. Effect of external lead concentration on the uptake and distribution of lead in plants. In: Thyagarajan, G., (ed.), Proceedings of the International conference on water hyacinth. Hyderabad, India, February 7-11, 1983, UNEP. 379-385.
15. Center, T. D. and Spencer, N. R. 1981. The phenology and growth of water hyacinth (*Eichhornia crassipes*) (Mart.) Solms) in a eutrophic north-central Florida Lake. *Aquatic Botany*, 10, 1-32.
16. Chapin, F. S and Cleve, K. V., 1989. Approaches to study nutrients uptake use and loss in plants. In: Pearcy, R. W., Ehleringer, J. R., Mooney, H. A and Rundel, P. W. (eds.), *Plant physiological Ecology*, 1st edition, Chapman & Hull.
17. Chen, H. 2000. "Phytoremediation of Cd (ii), Cd (iii), and Ni (ii) contaminated soil." MS thesis. University of Akron, Akron, Ohio.
18. Chadwick, M. J. and Obeid, M. 1966. A comparative study of the growth of *Eichhornia crassipes* Solms and *Pistia stratiotes* L. in water culture. *J. Ecol.* 54: 563-575.
19. Cooley, T. N. and Martin, D. N. 1979. Cadmium in naturally occurring water Hyacinth. *Chemosphere* 8: 75-79.
20. Cooley, T. N., Martin, D. F., Durden, W. C. Jr., Perkins, B. D. 1979. A preliminary study of metal distribution in three water hyacinth biotypes. *Water Res.* 13: 343-384.
21. Cunningham, S. D. and Berri, W. R. 1993. Remediation of contaminated soils with green plants: an overview. In *Vitro Cellular & Developmental Biology plant*. 29P, 207-212.
22. Cunningham, S. D., Berti, W. r. and Huang, J. W. 1995. remediation of contaminated soils and sludges by green plant. In: Hinchee, Rr. E., Means, J. L. and Burris, D. R. (eds.), *Bioremediation of inorganics batelle press*, Columbus, OH, 33-54.
23. deCasabianca, M. L. and Laugier, T. 1995. *Eichhornia crassipes* production on petroliferous wastewaters: effects of salinity. *Bioresource Technology* 54. 39-43.

Bibliography

24. deSilva, M. P., Pemadasa, M. A., Balasooriya, I, Abeygunawardena and Nanayakkara, C. 1984. A preliminary study of the interaction between *Eichhornia crassipes* (Mart.) Solms and *Salvinia molesta* Mitchell. 298-303, In: Thyagarajan, G. (ed.), Proc. Int. Conf. Water hyacinth UNEP, Nairobi.
25. De Busk, T. A., Williams, L. D. and Ryther, J. H. 1983. Removal of nitrogen and phosphorus from wastewater in a water hyacinth-based treatment system.
26. De Busk, T. A., Ryther, J. H., Hanisak, M. D. and Williams, L. D. 1981. Effects of seasonality and plant density on the productivity of some freshwater macrophytes. Aquat. Bot. 10: 133-142.
27. Dokken, K., G. Gamez, T. Herrera, K. J. Tiemann, N. E. Pingitore, R. R. Chianelli, and J. L. Gardea-Torresdey, 1999. Characterization of Chromium (vi) Bioreduction and Chromium (iii) binding to Alfalfa Biomass, Proceeding of the 1999 conference on Hazardous Waste Research. 101-115.
28. Dushenkov, V., Kumar, P. B. A. N., Motto, H. and Raskin, I. 1995. Rhizofiltration: the use of plants to removal heavy Metals from aqueous streams. Environ. Sci. Technol, Vol. 29, No5, 1239 – 1245.
29. Environmental Protection Agencies (EPA), 2000. Introduction to Phytoremediation. U.S. Environmental Protection Agency. 1-72.
30. Epstein, E. and Hagen, C.E. 1952. Plant Physiology, 27-457.
31. Ewel, K. C., Braat, L. and Stevens, M. L. 1975. Use of models for evaluating aquatic weed control strategies. Hyacinth control Journal, 13, 34-39.
32. Gadallah, M. A. A. and El-Enany, A. E. 1999. Role of Kinetin in alleviation of copper and zinc toxicity in *Lupinus termis* plants, plant growth regulation, Kluwer Academic publishers, 29: 151-160.
33. Gopal, B. 1987. Water hyacinth. Elsevier, 1-469.
34. Godshalk, G. L. and Wetzel, R. G. 1978. Decomposition of aquatic angiosperms. II. Particulate components. Aquat. Bot. 5: 301-327.
35. Gossett, D. R. and Norris, W. E. 1971. Relationship between nutrient availability and content of nitrogen and phosphorus in tissues of the aquatic macrophyte, *Eichhornia crassipes* (Mart.) Solms. Hydrobiologia, 38,15-28.
36. Gouia, H., Ghorbal, M. H. and Touraine, B. 1994. Effect of NaCl on flows of N and mineral ions and on NO₃⁻ reductase rate within whole plants of salt-sensitive bean and salt-tolerant cotton. Plant Physiol. 105, 1409-1418.
37. Grichko, V. P., Filby, B, and Glick, B. R. 2000. Increased ability of transgenic plants expressing the bacterial enzyme ACC deaminase to

Bibliography

- accumulate Cd, Co, Cu, Ni, Pb, and Zn. Biotechnology. 81, 45-53.
38. Haider, S. Z. 1984. Mechanism of absorption of chemical species from aqueous medium by water hyacinth and prospects of its utilization. In: Thyagarajan, G., (ed.) Proceedings of the International conference on water hyacinth. Hyderabad, India, February 7-11, 1983, UNEP. 41-57.
39. Harley, K. S., Julien, M. H. and Wright, A. D. 1996. A tropical worldwide problem and methods for its control. Second International weed control Congress Copenhagen.
40. Haller, W. T., Sutton, D. L. and Barlow, W. C. 1974. Effects of salinity on growth of several aquatic macrophytes. Ecology, 55, 891-894.
41. Hamilton, D. P. and Schladow, S. G. 1997. Prediction of water quality in lakes and reservoirs: Part II: model calibration, sensitivity analysis and application. Ecol. Model. 99, 111-123.
42. Hill, G., Waage, J. and Phiri, G. 1997. The water hyacinth problem in tropical Africa. Prepared for the first meeting of an international water hyacinth. World bank, Washington.
43. Holm, L. G., Weldon, L. W. and Blackburn, R. D. 1969. Aquatic seeds, Science, 166-699.
- University of Moratuwa, Sri Lanka
Electronic Theses & Dissertations
www.lib.mrt.ac.lk
44. Hootsmans, M. J. M. 1994^a. Growth of *Potamogeton pectinatus* L. in a temperature-light gradient. In: Vierssen, W. V., Hootsmans, M. and Vermaat, J. (eds.), Lake Veluwe, a macrophyte-dominated system under Eutrophication stress. 40-61.
45. Hootsmans, M. J. M. 1994^b. A growth analysis model for *Potamogeton pectinatus* L. In: Vierssen, W. V., Hootsmans, M. and Vermaat, J. (eds.), Lake Veluwe, a macrophyte-dominated system under Eutrophication stress. 250-316.
46. Hootsmans, M. J. M and Vermaat, J. E. 1994. Light-response curves of *Potamogeton pectinatus* L. as a function of plant age and irradiance level during growth. In: Vierssen, W. V., Hootsmans, M. and Vermaat, J. (eds.), Lake Veluwe, a macrophyte-dominated system under Eutrophication stress. 62-117.
47. Howard Williams, C., and Junk, W. 1977. The Chemical composition of central Amazonian aquatic macrophytes with special reference to their role in ecosystem. Arch. Hydrobiology. 79: 446-464.
48. Hu, W., Salomonsen, J., Xu, Fu-Liu. and Pu, P. 1997. A model for the effects of water hyacinths on water quality in an experiment of physico-biological engineering in Lake Taihu, China. Ecological Modelling, 107, 171-188.

Bibliography

49. Imaoka, T. and Teranishi, S. 1988. Rates of nutrient uptake and growth of the water hyacinth (*Eichhornia crassipes* (Mart.) Solms). Water research, 22, 943-951.
50. Ingole, N. W. and Bhole, A. G. 2001. Eradication and utilization of water hyacinth (*Eichhornia crassipes*) in the field of environmental engineering. A State of Art. Water Resources Jounal.38-55.
51. Jepson, F. P. 1933. The water hyacinth Problems in Ceylon. Trop. Agric. Ceylon 81: 339-355.
52. Joshi, P. A., Desai, C. A., and Patil, S. R. 1999. Removal of Chromium from chrome bearing wastewater through application of ions exchange. Environmental studies and policy. 2(1): 39-44.
53. Jorgensen, S. E. 1994. Fundamentals of Ecological Modelling (2nd edition) Elsevier Science B. V. 1-95.
54. Knippling, E. B., West, S. H. and Haller, W. T. 1970. Growth characteristics, yield potential and nutritive content of water hyacinth. Soil and crop Science Society of Florida, 30, 51-63.
55. Ka Fai Kong and Jimmy S. H. Tsang., 1998. Nucleotide sequences of c DNAs (accession Nos. AJ010160, AJ010161 and AJ010162) Encoding, A Type 2 Metallothionein-like protein from water hyacinth *Eichhornia crassipes*. (GR98-176) plant physiol. 118-110.
56. Kotalawala, J. 1976. Noxious water vegetation in Sri Lanka. The extent and impact of existing infestation. In: Varshney, V. K. and Rzoska, J. (eds.), Aquatic Weeds in S.E. Asia. W. Junk, The Hague, 51-58.
57. Lorber, M. N., Mishoe, J. W. and Reddy, P. R. 1984. Modelling and analysis of water hyacinth biomass. Elsevier Science Publishers B. V. 61-77.
58. Mahujchariyawong, J. and Ikeda, S. 2001. Modelling of environmental phytoremediation in eutrophic river-the case of water hyacinth harvest in tha-Chin River, Thailand. Ecological Modelling: 142. 121-134.
59. Mekrongsee, L. 1984. Determination of protein, fat and nucleic acids in water hyacinth. 374-378, In: Thyagarajan, G. (ed.), Proc. Int. Conf. Water hyacinth UNEP, Nairobi.
60. Meagher, R. B. 2000. Phytoremediation of toxic elements and organic pollutants. Plant biology. 3: 153-162.
61. Mitsch, W. J. 1976. Ecosystem modeling of water hyacinth management in Lake Alice, Florida. Ecol. Modelling 2: 68-89.

Bibliography

62. Muramato, S. and Oki, Y. 1983. Removal of some heavy metals from polluted water by water hyacinth (*Eichhornia crassipes*). Bull. Environ. Contam. Toxicol. 30: 170-177.
63. Nanda Kumar, P. B. A., Dushenkov, V., Motto, H. and Raskin, I. 1995. Phytoextraction. The use of plants to remove heavy metals from soils. Environ Sci. Technol. 29: 2437-2444.
64. Obeid, M. and Chadwick, M. J. 1964. Some factors affecting the growth of two aquatic weed species of the Nile, water hyacinth and water lettuce. Proc. Brit. Weed control conf. 7: 548-552.
65. Oki, Y. 1984. Adaptation of water hyacinth grown under various habitats. 222-232, In: Thyagarajan, G. (ed.), Proc. Int. Conf. Water hyacinth UNEP, Nairobi.
66. Orth, H. M. and Sapkota, D. P. 1988. Upgrading a facultative pond by implanting water hyacinth. Water res. Vol. 22. No.12. 1503-1511.
67. Parra, J. V. and Hortenstine, C. C. 1974. Plant nutritional content of some Florida s and response by pearl millet to incorporation water hyacinth in three soil types. Hyacinth control J. 12: 85-90
68. Parsons, W. T. 1963. Water hyacinth a pest of world waterways. J. Agric. Victoria 61. 23-27.
69. Parija, P. 1934. Ing. J. Agri. Sci. 4, 399-429
70. Penfound, W. T. and Earle, T. T. 1948. The biology of the water hyacinth Ecological Monographs, volume 18, Issue 4, 447-472.
71. Penfound, W. T. 1956. Primary production of vascular aquatic plants. Limnol. Oceanogr. 1: 92-101.
72. Pivetz, B. E., 2001. Phytoremediation of contaminated soil and ground water hazardous waste sites. In: Environmental protection agency (EPA), Ground water issue. EPA/540/S-01/500. 1-36.
73. Polisetty, R., Chandra, R. and Sirohi, G. S. 1984. Estimation of bioproductivity of water hyacinth (*Eichhorina crassipes*): a case study. 264-274. In: Thyagarajan, G. (ed.), Proc. Int. Conf. Water hyacinth UNEP, Nairobi.
74. Purcell, L. C. and King, C. A. 1996. Total nitrogen determination in plant material by persulfate digestion agronomy Vol. 88, No 1, 111-113.
75. Raskin, I., Nanda Kumar, P. B. A. and Dushenkov, S. Salt, D. E. 1994. Bioconcentration of heavy metals by plants, current opinion in Biotechnology, 5; 285-290.

Bibliography

76. Reddy, K. R. 1984. Water hyacinth (*Eichhornia crassipes*) Biomass production in Florida. *Biomass*, 6. 167-181.
77. Reddy, K. R. and Tucker, J. C. 1983. Productivity and nutrient uptake of water hyacinth, *Eichhornia crassipes*. L. Effect of nitrogen source. *Econ. Bot.* 37: 237-247.
78. Reddy, K. R., Hueston, F. M. and McKim, T. 1983. Water hyacinth biomass production in sewage effluent. *Proc. Int. Symp. Energy from Biomass and wastes. VII* (Jap. 1983):135-167. Inst. Gas techno., Chicago. Lake Buena. Vista, Florida.
79. Reddy, K. R. and DeBusk, W. F. 1984. Growth characteristics of aquatic macrophytes cultured in nutrient enriched water. I. Water hyacinth, Water lettuce and Pennywort. *Econ. Bot.* 38: 229-239.
80. Reddy, K. R. and Slutton, D. L. 1988. Water hyacinth for water quality improvement and biomass production. *Journal of Envi. Qual. Vol.3. No.1.* 1-8.
81. Rodojevic, M. and Bashkin, V. N. 1999. Practical environmental Analysis. The Royal society of chemistry.
82. Ross, I., Carbajal, M. E., Gomez-Arroya, S., R. Belmont and Villalobos-Pietrini. 1984. Cytogenetic effect of Cadmium accumulation on water hyacinth, *Environmental Research*. April. www.academia.edu/3303333/Environmental_Issues_and_Disasters
83. Room, P. M. and Fernando, I. V. S. 1992. Weed invasions counted by biological control: *Salvinia Molesta* and *Eichhornia crassipes* in Sri Lanka. *Aquatic Botany*, 42 (1992) 99-107.
84. Sato, H. and Kondo, T. 1981, Biomass production of water hyacinth and its ability to remove inorganic minerals from water 1. Effect of the concentration of culture solution on the rates of plants growth and nutrients uptake. *Jap. J. Ecol*, 31: 257-267.
85. Sato, H and Kondo, T. 1983. Biomass production of water hyacinth and its ability to remove inorganic minerals from water. II. Further experiments on the relation between growth and concentration of cultures solution. *Jap. J. Ecol*, 33: 37-46.
86. Salt, D. E., Smith, R. D, and Raskin, I. 1998. Phytoremediation. Annual review of plant physiology and plant molecular biology, In: Jones, R. L., Somerville, C. R. and Walbot, V. (eds.), Vol. 49. Lewis, Palo Alto, Calif., 643-668.
87. Shiralipour, A., Haller, W. T. and Garrard, L. A. 1981^a. Effect of nitrogen sprays on biomass production and phosphorus uptake in water hyacinth. *J. Aquat. Plant Manage.* 19:4-47.

Bibliography

88. Shiralipour, A., Garrard, L. A. and Haller, W. T. 1981^b. Nitrogen source, biomass production and phosphorus uptake in water hyacinth. J. Plant Manage. 19: 40-43.
89. Silva, E. I.L. 1996. Water Quality of Sri Lanka. USAID funded IFS-NAREPP/IRG project on quality Assessment of surface water. 64- 74.
90. Singh, H. D., Nag, B., Sarma, A. K. and Baruah, J. N. 1984. Nutrient control of water hyacinth growth and productivity. 234-263. In: Thyagarajan, G. (ed.), Proc. Int. Conf. Water hyacinth UNEP, Nairobi.
91. Spencer, D. F. 1986. Early growth of *Potamogeton pectinatus* L. in response to temperature and irradiance: morphology and pigment composition. Aquat. Bot. 26, 1-8.
92. Stewart, K. K. 1970. Nutrient removal potentials of water hyacinth plants. Hyacinth control J. 8(2): 34-35
93. Standard methods for the examination of water and wastewater, 1995. In: Eaton, A. D., Clesceri, L. S. and Greenberg, A. E. (eds.), 19th edition
94. Sutton, D. L. and Blackburn, R. D. 1971. Uptake of copper by water hyacinth. Hyacinth control J. 9: 18-20.
95. Tatsuyama, K., Egawa, E. and Yamagishi, T. 1977. Sorption of heavy metals by the water hyacinth from the metal solutions. Weed Res. Jpn, 22: 151-156.
96. Tatsuyama, K., Egawa, E. Yamamoto, H. and Nakamura, M. 1979. Sorption of heavy metals by the water hyacinth from the metal solutions (II). Some experimental conditions influencing the sorption. Weed Res. Japan, 24: 260-263.
97. Tiemann, K. J., J. L., Gardea-Torresdey, S., Sias, G., Rodriguez, O. G., Renner, M. W. and Furenlid, L. R. 1997. Study of the ligands involved in metal binding to alfalfa Biomass.
98. Tokunaga, T., Furutas, N. and Morimoto, M. 1976. Accumulation of cadmium in *Eichhornia crassipes* Solms. Eisei Kagaku 22: 234-239.
99. Tucker, C. S. 1981. The effect of ionic form and level of nitrogen on the growth and composition of *Eichhornia crassipes* (Mart). Solms. Hydrobiologia 83: 517-522.
100. Ueki, K. 1978. Habitat and nutrition of water hyacinth. JARQ 12: 121-127.
101. Ueki, K., Ito, M and Oki, Y. 1975. Water hyacinth and its habitats in Japan. Proc. 5th Asian Pacific weeds Sci. Soc. Conf., Tokyo. 424-428.

Bibliography

102. Vermaat, J. E. and Hootsmans, M. J. M. 1994. Growth of *Potamogeton pectinatus* L. in a temperature-light gradient. In: Vierssen, W. V., Hootsmans, M. and Vermaat, J. (eds.), Lake Veluwe, a macrophyte-dominated system under Eutrophication stress. 40-61.
103. Vogli-Lange, R., and Wagner, G. J. 1980. Plant Physiology. 92, 1086-1093.
104. Westlake, D. F., 1980. Primary production. In: Le Cren, E. D. and Lowe-Mcconnell, R. H. (eds.), the functioning of fresh water ecosystem, International biology programme Cambridge university press. 141-152.
105. Wolverton, B. C. and McDonald, R. C. 1975^a. Water hyacinths and alligator weeds for removal of lead and mercury from polluted waters. NASA tech. Memo. No. TM-X-72723, Natl. Space Technol. Lab., Louis, Miss.
106. Wolverton, B. C. and McDonald, R. C. 1975^b. Water hyacinths and alligator weeds for removal of silver, cobalt and strontium from polluted waters. NASA tech. Memo. No. TM-X-72727, Natl. Space Technol. Lab., Louis, Miss.
107. Wolverton, B. C. and McDonald, R. C. 1979. Water hyacinths (*Eichhornia crassipes*) productivity and harvesting studies. Econ. Bot. 33:1-10.
108. Wooten, J. W., and Dodd, J. D. 1971. Growth of water hyacinths in treated sewage effluent. Econ. Bot. 30: 29-37.

