BIBLIOGRAPHY

Abdel-Rasoul,M., M.M.Hussein and M.A.Ashoub (1980). Effect of some growth regulators on the concentration of organic acids and amino acids in maize (Zea mays cultivar Americani Bodry) seedlings under different levels of salinity : 1. The concentration of organic acids. Ain.Shams.Univ.Fac.Agric.Res.Bull.0., 1330 : 1-9.

Abdul-Wahab,A.S. and B.A. Al-Juboory (1975). Development of tolerance by cotton plant to gradual increase in sodium chloride concentrations in the soil. Bull.Coll.Sci.Univ. Beghdad, 16(2) : 217-224.

Abel,G.H. and A.J.Mackenzie (1964). Salt tolerance of Soybean varieties (Glycine max. L. Merrill) during germination and later growth. Crop.Sci., 4(1) : 157-161.

Ackerson,R.C. and V.B.Youngner (1975). Responses of bermuda-grass to salinity. Agron.J., 67(5) : 678-681.

Ahmad,A.M.; Heikal,M.D. and Shalad,M.A. (1980). Growth, photo-synthesis and fat content of some oil producing plants as influenced by some salinization treatments. Phyton (Horn.), 19 : 259-268.

Ahmad,R. and Z.Abdullah (1979). Salinity induced changes in the growth and chemical composition of Potato. Pak.J. Bot., 11 : 103-112.

Ahmad,R. and Z.Huq (1974). Some physiological and biochemical studies on spinach growing on saline soil. Pak.J.Bot., 6(1) : 49-52.

Albert,R., Falter,J. (1979). Metabolism of lime-free leaves of Tilia cordata injured by deicing salts. 2. Nitrogen and carbohydrate metabolism. Phyton., 19 : 141-162.

Aleshin,E.P., Molokor, L.G. and B.V. Yakolev (1971). Effect of various types of salinization on the activity of peroxidase in rice seedlings. Agrokhimiya, 11 : 100-102.

Alina,B.A. and L.K. Klyshev (1975). Activity of nitrate reductase in the above ground part of corn under conditions of salinizations of the medium. Izv.Akad.Nauk.Kaz.Ssr. Ser.Biol., 13(4) : 28-31.

Anthony,J.C. and H.C.Anthony (1978). Proline accumulation in salt marsh halophytes exposed to increasing salinity. Plant Physiol.(Suppl.), 61 : 6.

Arnon,D.I. ( ). Copper enzymes in isolated chloroplasts. Polyphenol oxidase in Beta vulgaris. Plant Physiol., 24 : 1-15.

Ashour,N.I., Abdel-Halim,M.A., Raafat,A. and T.A.Nour (1977). Increasing salt tolerance of wheat at early stages of growth under chloride and sulfate types of salinity. Acta Agron Acad.Sci.Hung., 26(1/2) : 127-134.

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

Austenfeld,F.A. (1974). The effect of NaCl and other alkaline salts on the nitrate reductase activity of Salicornia europea L. Z.Pflanzenphysiol., 71(4) : 288-296.

Ayers,A.D. and D.L.Emberhard (1960). Response of edible brood bean to several levels of salinity. Agronomy Journal, 52 : 110-111.

Ayoub, Ali T. (1974). Effect of calcium on sodium salinization of beans. (Phaseolus vulgaris L.). J.Exp.Bot., 25(85) : 245-252.

Ayoub,A.T. (1977). Some primary features of salt tolerance in senna (Cassia acutifolia). J.Exp.Bot., 28(103) : 484-492.

Babu,V.R. and S.Kumar (1979). Seed germination and early seedling growth of Cicer arientinum cultivar C-235, Cajanus cajan cultivar Pusa Agati, Phaseolus aureus cultivar 5-8 and Phaseolus mungo cultivar P-1 under growth regulator and salinity-stressed conditions. J.Indian Bot.Soc., 58(2) : 140-148.

Bailey,L.H. (1940). Phaseolus lunatus and relatives. Genetes Herbarium, 336-41.

Bassett, Philipa (1980). Effect of soil salinity and calcium levels on the growth of Bromus mollis in the Camargue France. Oikos, 35(3) : 353-358.

Basu,J.K. and J.S. Sirur (1932). Soils of deccan canals. I. Genetic Soil survey and soil classification of Nira right bank and Pravara canals. Indian J.Agric.Sci., 1 : 639-697.

Bates,L.S., R.P.Waldren and I.D.Tease (1973). Rapid determination of free proline for water stress studies. Plant and Soil, 39 : 205-207.

Bernstein,L. (1975). Effect of salinity and sodicity on plant growth. Ann.Rev.Phytopathology, 13 : 295-312.

Bernstein,L. and H.E.Hayward (1958). Physiology of salt tolerance. Ann.Rev.Plant Physiol., 9 : 24-48.

Bernstein,L.; A.J.Mackenzie and B.A.Krantz (1955). Salt tolerance of field crops - Soybean U.S. Salinity Laboratory Report to Collaborators, Riverside, Calif. 35-36.

Bernstein,L. and G.Ogata (1966). Effects of salinity on nodulation, nitrogen fixation and growth of soybeans and alfalfa. Agronomy Journal, 58 : 201-203.

Bhatnagar,M.P. and Gandhi,S.M. (1960). Pulse improvement in Rajasthan and suggestion for further intensification of research. Proc.Indian Pulse Workers Confr. Hyderabad.

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

Bingham,F.T.; R.J.Mahler, J.Parra and L.H.Stolye (1974). Longterm effects of irrigation-salinity management on a Valencia orange orchard. Soil Sci., 117(6) : 369-377.

Boucaud,J. (1972). Effects of sodium chloride on the activity of nitrate reductase on two halophilic varieties : Saueda maritima var. macrocarpa et var. flexilis. Physiol.Plant., 27(1) : 37-42.

Carter,M.R. (1980). Effect of sulfate and chloride soil salinity on growth and needle composition of Siberian larch (Larix sibirica). Can.J.Plant Sci., 60(3) : 903-910.

Cerda,A.; Bingham,F.T. and G.J.Hoffman (1977). Interactive effect of salinity and phosphorus on sesame. Soil Sci. Soc.,Am.J., 41(5) : 915-918.

Champagnol,F. (1979). Relationships between phosphate nutrition of plants and salt toxicity. Phosphorus in Agriculture, 76 : 35-44.

Chauhan,R.P.S., C.P.S.Chauhan and D.Kumar (1980). Free proline accumulation in cereals in relation to salt tolerance. Plant and Soil, 57(2/3) : 167-175.

Chavan,P.D. (1980). Physiological studies in plants (Physiological studies in Eleusine coracana Gaertn.) Ph.D.thesis submitted to the Shivaji University, Kolhapur (India).

Chavan,P.D. and B.A. Karadge (1980). Influence of salinity on mineral nutrition of peanut (Arachis hypogea L.). Plant and Soil, 54 : 5-13.

Chavan,V.M.; Patil,G.D. and Bhapkar,D.G. (1965). Improvement of cultivated Phaseolus species - Need for interspecific hybridization. Indian J.Genet., 20A : 152-154.

Chen,Y., E.Zahavi, P.Barak and N.Umiel (1980). Effects of salinity stresses on tobacco : 1. The growth of Nicotiana tabacum callus cultures under sea water, sodium chloride and mannitol stresses. Z.Pflanzenphysiol., 98(2) : 141-154.

Chimiklis,P.E. and E.P.Karlander, (1973). Light and calcium interactions in Chlorella inhibited by sodium chloride. Plant Physiol., 51 : 48-56.

Chirputkar,M.B. (1969). Physiological studies in marine plants of Bombay. Ph.D.Thesis submitted to Bombay University, Bombay (India);

Chu,T.M., D.Aspinall and L.G.Paleg (1976). Stress metabolism VII. Salinity and proline accumulation in Barley. Aust.J.Plant Physiol., 3 : 219-228.

Dahiya,S.S. and M.Singh (1976). Effect of salinity, alkalinity and iron application on availability of iron, manganese, phosphorus and sodium in pea (Pisum sativum) crop. Plant and Soil, 44(3) : 697-702.

De Candolle (1970). Cf. In Pulse crops of India (Eds. P.Kachroo and M.Arif). pp.156-158, ICAR, New Delhi.

Deo, Ram and D.V.S. Ruhal (1971). Effect of salinity on the yield and quality of Indian rape (Brassica campestris L. Var. Sarson prain) and linseed (Linum usitatissium L.). Indian J.Agric.Sci., 41(2) : 134-136.

De Leo, P. and J.A.Sacher (1970). Senescence : Association of synthesis of acid Phosphatase with banana ripening. Plant Physiol., 46(2) : 208-211.

Deshpande,R.G. (1981). Physiological studies in pulses of Maharashtra (Physiological studies in Cajanus cajan L. millsp. var. C-11). Ph.D.Thesis submitted to Shivaji University, Kolhapur (India).

Divate,M.R. and R.M.Pandey (1981). Salt tolerance in grapes :2. Effect of salinity on mineral composition of plants. Plant Physiol., 24(4) : 361-365.

Dongare,M.M. (1977). Effect of sodium chloride treatment on ion uptake in Clerodendrum inerme Gaertn. The Botanique, 8(1-4) : 35-40.

Downton,W.J.S. (1978). Growth and flowering in salt stressed avacado trees. Aust.J.Agric.Res., 29(3) : 523-534.

Downton,W.J.S. and B.R.Loveys (1978). Compositional changes during grape berry development in relation to abscisic acid and salinity. Aust.J.Plant Physiol., 5 : 415-423.

Dreier,W. (1983). The content of proline and the salt resistance of plants. Biol.Plant (Prague), 25(2) : 81-87.

Drosdoff,M. and C.D.Nearpass, (1948). Quantitative microdetermination of magnesium in plant tissues and soil extracts. Ann.Chem., 20 : 673-674.

Durie,R.A., H.N.S.Schaffer and D.J.Swaine (1965). The analysis of bitaminous and brown coal ashes and related material. Commonwealth Scientific and Industrial Research Organisation. Technical Communication, 47 : 36-37.

Dwivedi;R., Snehi;A.R., Bal;A.Qadar and Y.D.Joshi (1982). Studies on salt resistant characters in graminoid facultative alkali halophytes. Plant Physiol., 3 : 231-236.

El-Saidi,M.T. (1973). Effect of different salinity levels on growth, development and some physiological process of cotton plants.I. Effect of adding salts before sowing. Z.Acker P.Pflanzenbau., 138(4) : 331-340.

El-Sharkawi,H.M. (1977). Osmometabolic adjustment in Flax (Linum ustitatissimum), Cotton (Gossypium barbadensis) and wheat under salinity stress. Bull.Fac.Sci.Assiut.Unit., 6 : 205-224.

El-Sharkawi,H.M. and F.M.Salama (1977). Effects of drought and salinity on some growth contributing parameters in wheat and barley. Plant and Soil, 46(2) : 423-433.

Elzam,O.E. and E.Epstein (1969). Salt relations of two grass species differing in salt tolerance II. Kinetics of absorption of K, Na and Cl by their excised roots. Agrochemica, 13 : 196-206.

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

Epstein,E., J.D.Norlyn, D.W.Rush, R.W.Kingsbury, D.B.Kelley, G.A.Cunningham and A.F.Wrona (1980). Saline culture of crops : A genetic approach. Science (Wash DC), 210(4468) : 399-404.

Ernst,W. and D.Feldermann (1975). Effects of de-icing salts (NaCl) on the mineral status of lime trees. Z.Pflanzener nachr. Bodenkd. 6 : 629-640.

Evans,J. (1982). Nitrate reductase activity in chickpea : A preliminary investigation. International chickpea newsletter, 6 : 22-23.

Fernley,H.N. and P.G.Walker (1968). Effect of sodium chloride on Escherichia coli alkaline phosphatase. In Proc.of Biochem.Soci. 485th meeting (1968) p.11. In Biochemical Journal, 110- : 11.

Flowers,T.J. (1972). The effect of sodium chloride on enzyme activities from four halophyte species of chenopodiaceae. Phytochemistry, 11(6) : 1881-1886.

Flowers,T.J. and J.L.Hall (1978). Salt tolerance in the halophyte, Suaeda maritima (L.) Dum. : The influence of the salinity of the culture solution on the content of various organic compounds. Ann.Bot., 42 : 1057-1063.

Flowers,T.J., Torke,P.F. and Yeo,A.R. (1977). The mechanism of tolerance in halophytes. Ann.Rev.Plant Physiol.,28:89-121.

Folin,O. and W.Denis (1915). A colorimetric estimation of phenols (and phenol derivatives) in urine. J.Biol.Chem., 22 : 305-308.

Frota,J.N.E. and T.C.Tucker (1978). Absorption rates of ammonium and nitrate by red kidney beans under salt and water stress. Soil Sci.Soc.Am.J., 42(5) : 753-756.

Gates,C.T., Haydock,K.P., Robins,M.F. (1970). Response to salinity in Glycine, 4 : Salt concentration and the content of phosphorus, potassium, sodium and chloride in cultivars of Glycine wightii (G.javanica). Aust.J.Exp.Agr.Anim.Husb., 10 : 99-110.

Ghevade,K.S. and G.V.Joshi (1980). Photosynthetic and photo-respiratory carbon metabolism in seagrass Halophila beccarii Aschers. Ind.J.Expt.Biol., 18 : 1344-1345.

Goas,M. (1968). Contribution to the study of nitrogenous metabolism of halophytes. Amino acids and free amides of Aster tripolium L. in aquaculture. C.R.Academy Sc.(Paris), D-265 : 1049-1052.

Goering,H. and Bui,H.T. Biochem Physiol.Pflanz. 172 : 311-314. (1978). Cf. Karadge,B.A. and Chavan,P.D. (1983) In : Physiological studies on salt tolerance in Sesbania. Final Report of the Shivaji University Project.

Gowda,C.A. (1971). Physiology of salt tolerance of plants. Ph.D. Thesis submitted to Shivaji University, Kolhapur (India).

Grant,D.M. and G.F.Somers (1981). Salinity aeration and the growth of Kosteletzkya virginica, Plant Physiol.(Suppl.) 67(4) : 18.

Greenway,H. and R.Munns. (1980). Mechanism of salt tolerance in non-halophytes. Ann.Rev.Plant Physiol., 31 : 149-190.

Guggenheim,J. and Y.Waisel (1977). Effect of salinity, temperature and nitrogen fertilization on growth and composition of Rhodes grass (Chloris gayana Kunth.). Plant and Soil, 47 : 431-440.

Guillen,M.G., Caro,M., Fernandez,F.G., Cerda,A. (1978). Foliar composition of citrus seedlings irrigated with saline waters. Commun.Sci.Plant Anal., 9 : 595-606.

Gujar,V.R. (1984). Physiological studies in Nicotiana L. Ph.D. Thesis submitted to Shivaji University, Kolhapur (India).

Hamid,A. and O.Talibudeen (1976). Effect of Na on the growth of and ion uptake by barley, sugarbeet and broad beans. J.Agric.Sci., 86(1) : 49-56.

Hasson,N.A.K., J.V.Drew, D.Knudsen and R.A.Olson (1970). Influence of soil salinity on production of dry matter and uptake and distribution of nutrients in barley and corn.I. Barley (Hordeum vulgarae). Agron.J., 62(1) : 43-45.

Hawk,P.B., B.L.Oser and W.H.Summerson (1948). Practical Physiological chemistry. Pb. The Blankiston Company, U.S.A.

Hayward,H.E. and L.Bernstein (1958). Plant growth relationship on salt affected soils. Bot.Rev., 24 : 584-635.

Hegde,B.A. (1972). Studies in saline plants, Ph.D.Thesis submitted to Shivaji University, Kolhapur (India).

Heikal,M.M.D. (1975). Physiological studies on salinity : Effects of saline irrigation on growth and photosynthetic pigments of safflower and sunflower plants. Bull.Fac.Sci.Assiut. Univ., 4(1) : 29-40.

Heikal,M.M.D. (1976). Physiological studies on salinity:2. Effect of NaCl on growth and photosynthetic pigments of kidney bean plants, raised in culture solution. Bull. Fac.Sci.Assiut.Univ., 5(1) : 17-30.

Helal,H.M. and K.Mengel (1979). Nitrogen metabolism of young barley (Hordeum vulgare). Plants as affected by NaCl salinity and K. Plant and Soil, 51(4) : 457-462.

Herbert,D. (1955). Catalase from bacteria in "Methods in Enzymology", Vol.II, pp.784-786. Academic Press., Inc. Publishers, New York.

Hoffman,G.J. and S.L.Rawlins (1970). Design and performance of sunlit climate chambers. Transaction, American Society of Agricultural Engineers, 13 : 656-660.

Huber,W. and N.Sankhla (1973). Ecophysiological studies on Indian arid zone plants II. Effect of salinity and gibberellin on the activity of the enzymes of amino acid metabolism in leaves of Pennisetum typhoides. Oecologia, 13 : 271-277.

Huber,W. and Sankhla,N. (1979). Effect of sodium chloride on photosynthesis of Lemna minor L. Z.Pflanzenphysiol., 91 : 147-156.

Ibragimov,M. (1979). Physiological role of calcium in salt tolerance of cotton. Pochvovedenie, 0(12) : 115-118.

Ibrahim, Al Saidi; Mesopotamia J.Agric., 15(1) : 125-136. (1980). Cf. Karadge,B.A. and P.D.Chavan (1983). In : Physiological Studies on salt tolerance in Sesbania. Final report of the Shivaji University Project.

Im, H.B., U.K.Lim and C.S.Houng (1971). Study on the salt tolerance of rice and other crops in reclaimed soil areas : XV. The effects of salt on the efficiency of sunlight utilization of rice canopy in reclaimed saline soils. Korean J.Bot. 14(3) : 60-65.

Islam,A. and G.Kibria (1969). The effect of physical and chemical treatments on the growth and yield of rice plants in a saline soil. Pak.J.Biol.Agric.Sci., 12(1) : 74-83.

Ivanova,A.S. (1974). Effect of soil salinization on peach growth and development. Fiziol.Rast., 21(5) : 995-999.

Jamale,B.B. (1975). Physiological studies in saline plants. Ph.D. Thesis submitted to Shivaji University, Kolhapur (India).

Joolka,N.K. and J.P.Singh (1979). Effect of soil salinity on the growth of citrus root stocks. Indian J.Agric.Sci., 49(11) : 858-861.

Joolka,N.K., J.P.Singh and A.P.Khera (1977). Mineral composition of grape as affected by chloride and sulfate salts of sodium in soils. Indian J.Agric.Sci., 47 : 201-203.

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

Joshi,G.V. and G.R.Naik (1980). Response of sugarcane to different types of salt stress. Plant and Soil, 56 : 255-263.

Kabuzenko,S.N. and S.A.Ponomareva (1980). Chloride salinization effect on polysaccharide content and respiration intensity of crops different in salt resistance. Fiziol.Biokhim Kult. Rust, 12(6) : 620-624.

Karadge,B.A. and P.D.Chavan (1979). Mineral nutrition of groundnut (Arachis hypogaea) cultivar SB-11 grown in salinized soil. Maharashtra Vidnyan Mandir Patrika, 14(2) : 68-75.

Karadge,B.A. and P.D.Chavan (1981). Salt tolerance studies in groundnut (Arachis hypogea L.) Var. TMV-10. Biovigyanam, 7 (2) : 137-144.

Karadge,B.A. and P.D.Chavan (1983). Physiological studies in salinity tolerance of Sesbania aculeata Poir. Biologia plantarum (Praha)., 25(6) : 401-480.

Karadge,B.A. and G.V.Joshi (1983). Mineral composition, Organic constituents and some enzyme systems of Salt Stressed Portulaca oleracea Linn. Biovigyanam, 9 : 125-132.

Karekar,M.D. (1974). Physiological studies in plants of Konkan. Ph.D.Thesis submitted to Shivaji University,Kolhapur(India).

Karpechenco, G.D. (1925). Chromosomes of Phasealinae. Bull. appl. Bot. Leningrad, 14 : 143-148.

Khan,A.H. (1978). Comparative effect of sodium chloride and sodium sulfate on growth and ion accumulation in Zea mays. Pak.J.Bot., 10(2) : 161-166.

Kleinkopf,G.E.; Wallace,A. and J.W.Cha (1975). Sodium relations in desert plants. Some physiological responses of Atriplex confertifolia to different levels of sodium chloride. Soil Science, 120(1) : 45-48.

Kothmire,S.Y. and L.J.Bhosale (1980). Chemical composition of leaves of Avicennia officinalis Linn. and A.marina var. acutissima Stapf and Moldenke. Ind.J.Mar.Sc., 9(4):297-301.

Krishnaswami Lakshmi and B.D.Deshpande (1975). Amino acid patterns in germinating seed of Phaseolus aconitifolius Jacq. Taiwania, 20(2) : 234-239.

LaHaye,P.A. and E.Epstein (1969). Salt toleration by plants, enhancement with calcium. Science, 166 : 395-396.

Laszlo,E.; Kuiper,P.J.C. (1979). The effect of salinity on growth, cation content, Na^+ uptake and translocation in salt sensitive and salt tolerant Plantago species. Physiol.Plant, 47 : 95-99.

Lessani,H. and H.Marschner (1978). Relation between salt tolerance and long distance transport of sodium and chloride in various crop species. Aust.J.Plant Physiol., 5 : 27-37.

Levitt,J. (1972). Responses of Plants to environmental stresses. Academic Press, New York.

Longenecker,D.E. (1973). The influence of soil salinity upon fruiting and shedding, boll characteristics, fiber quality and yields of two cotton species. Soil Sci., 115(4):294-302.

Maas,E.V. and G.J.Hoffman (1977). Crop salt tolerance current assessment. ASCE J.Irrig. and Drainage Div., 103 : 115-134.

Maas,E.V. and R.H.Nieman (1978). Physiology of plant tolerance to salinity. In "Crop Tolerance to Suboptimal Land Conditions." ASA CSSA, SSSA pp. 277-299.

Maas,E.V., G.Ogata and M.J.Garber (1972). Influence of salinity on Fe, Mn and Zn uptake by plants. Agron.J., 64(6) :793-795.

Machly,A.C. (1954). In methods of Biochemical Analysis. Ed. D.Gick, Interscience Inc. New York, I : 385-386.

Maftoun,M., A.Bassiri,A.M.Sameni and J.Yasrebi (1982). Growth and chemical composition of soybeans (Glycine max) as affected by trifluralin and soil salinity. Weed Res., 22(2): 89-94.

Makrides, Savvas C. and Jonathan Goldthwaite (1981). Biochemical changes during bean (Phaseolus vulgaris) cultivar Dwarf Horticultural Bush) leaf growth, maturity and senescence : Content of DNA, polyribosomes, ribosomal RNA, protein and chlorophyll. J.Exp.Bot., 32(129) : 725-736.

Malofeev,V.M., V.P.Atanasev and A.V.Shuravilin (1979). Comparative physiological studies of cotton irrigated with waters of varying salinity. S-Kh Biol., 14(6) : 767-770.

Matar,Y.; H.W.Doering and H.Marschner (1975). Effect of NaCl and Na_2SO_4 on dry matter production mineral content and organic compounds of spinach and lettuce. Z.Pflanzenrnaehr Bodenkd., 3 : 292-307.

Milford,G.F.J.; W.F.Cormack and M.J.Durrant (1977). Effects of sodium chloride on water status and growth of sugarbeet. J.Exp.Bot., 28(107) : 1380-1388.

Mishra,S.D. (1967). Physiological studies in mangroves of Bombay. Ph.D.Thesis submitted to University of Bombay (India).

Molokov,L.G., Vakovlev,B.V. and E.P.Aleshin (1973). Activity of cytochrome oxidase, polyphenol oxidase and peroxidase in rice seedlings during substrate salinization. Fiziol. Rast., 20(6) : 1170-1175.

Mondal,R.C. and D.R.Sharma (1979). Effect of long-term use of saline irrigation water on wheat (Triticum aestivum) yield and soil salinity. Indian J.Agric.Sci., 49(7) : 546-550.

Morard,P.M. Garcia and M.Kheradmandi (1979). Effect of increasing doses of mineral salts on the nutrient solution on the growth of an oriental variety of tobacco. Bull.Soc.Hist. Nat.Toulouse, 115(1/2) : 7-14.

Mukherjee, Uma, Nisha Agrawal and Rajendra Sahai.( ) Effect of salinity on seed germination, seedling establishment and growth behaviour of Phaseolus lunatus. Indian J.Bot., 5(2) : 166-170.

Naik,G.R. (1980). Physiological studies in sugarcane. Ph.D. Thesis submitted to Shivaji University, Kolhapur, (India).

Narale,R.P., T.K.Subramaniam, and R.K.Mukherjee (1969). Influence of salinity on germination, vegetative growth and grain yield of rice. Agron.J., 61 : 341-344.

Narayanan,A. (1975). Proc.Symp. : 89-96. Cf. Karadge,B.A. and Chavan P.D. (1983) In : Physiological studies on salt tolerance in Sesbania. Final Report of the Shivaji University Project.

Nassery,H. (1979). Salt induced loss of K from plant roots. New Phytol., 83(1) : 23-28.

Nelson, N.A. (1944). A photometric adaptation of the Somogyi method for the determination of glucose. J.Biol.Chem., 153 : 375-380.

Nieman,R.H. (1962). Some effects of sodium chloride on growth, photosynthesis and respiration of twelve crop plants. Bot.Gaz., 123 : 279-285.

Nieman,R.H. and L.Bernstein (1959). Interactive effects of gibberellic acid and salinity on growth of beans. American Journal of Botany, 46 : 667-670.

Nimbalkar,J.D. and G.V.Joshi (1975). Physiological studies in senescent leaves of sugarcane var. CO-740. Ind.J.Exp.Biol., 13 : 384-386.

Nimbalkar,J.D. and G.V.Joshi (1976). Effect of salt stress on photosynthesis in sugarcane var. CO-740. Biovigyanam, 2 : 137-144.

Nukaya, Akira, Masao Masui and Akyraishida (1981). Relationships between salt tolerance of green soybeans (Glycine max) and calcium sulfate applications in sand culture. J.Jpn.Soc. Hortic Sci., 50(3) : 326-331.

Obbink,J.G. and D.M.Alexander (1973). Response of six grapevine cultivars to a range of chloride concentrations. Am.J. Enol.Vitic, 23(2) : 65-68.

Osawa,T. (1965). Studies on the salt tolerance of vegetable crops with special reference to mineral nutrition. Bulletin University of Osaka, Prefecture, Series B. Osaka Japan, 16 : 13-57.

Palfi,G., Koves,E., Bito,M. and R.Sebestyen (1974). The role of amino acids during water stress in species accumulating proline. Phyton.Rev.Int.Bot.Exp., 32(2) : 121-128.

Paliwal,K.V. and G.L.Maliwal (1972). Effects of salts on the growth and chemical composition of Okra (Abelmoschus esculentus) and sponge ground (Luffa cylindrica). J.Hortic.Sci., 47(4) : 517-524.

Paliwal,K.V. and G.L.Maliwal (1975). Effects of salts on the growth and mineral nutrition of cabbage (Brassica oleracea) in soil and sand culture. Prof.Indian Natl.Sci.Acad.Part. Biol.Sci., 41(2) : 155-160.

Paliwal,K.V.; G.L.Maliwal and S.S.Monohar (1976). Effect of the level of salinity of irrigation water on the growth and yield of barley varieties grown on a sandy soil of Rajasthan (India). Indian J.Agric.Sci., 46(4) : 159-164.

Paliwal,K.V. and B.R.Yadav (1980). Effect of saline irrigation water on the yield of potato (Solanum tuberosum) cultivar Kufri Chandramukhi. Indian J.Agric.Sci., 50(1) : 31-33.

Patil,B.A. (1967). Physiological studies in the marine alga Ulva lactuca. Ph.D.Thesis submitted to Bombay University, Bombay, (India).

Petolino,J.F. and J.A.Leone (1980). Saline aerosol : Some effects on the physiology of Phaseolus vulgaris (Cultivar Top crop). Phytopathology, 70(3) : 229-232.

Piper,C.V. and Morse,W.J. (1914). Five oriental species of Beans. U.S.Dept.Agr.Bull.No. 119.

Plaut,Z. (1974). Nitrate reductase activity of wheat seedlings during exposure to and recovery from water stress and salinity. Physiol.Plant, 30 (3): 212-217.

Ponomarova,S.O. and S.M. Kabuzenko (1978). Anatomical structure of tomato leaves under chloride salination. UKR.Bot.Zh., 35(3) : 237-240.

Priebe,A. and H.J.Jaeger (1978). Influence of sodium chloride on the free amino acids of differentially salt tolerant plants. Phyton, 19(1/2) : 113-122.

Puranik,R.B., N.K.Barde and D.K.Bhallal (1972). Studies on some Saline alkaline soils of Akola Dist. of Maharashtra State. P.K.V.Res.J., 1 : 51-58.

Rahman,A.El., El.Shourbag M.N. and M.O.Monayeri (1972). Salinity effects on carbohydrates and ion contents in some desert fodder plants. Bull.Fac.Sci.Cairo Univ., 45 : 79-96.

Rains,D.W. and Epstein (1967). Preferential absorption of potassium by leaf tissue of the mangrove Avicenia marina : An aspect of halophytic competence in coping with salt. Aust.J.Biol.Sci., 20 : 847-857.

Ramana,K.V.R. (1970). Effect of gibberellic acid on the salt induced growth of groundnut (Arachis hypogaea L.) Seedlings. Andhra Agric.J., 17(2) : 44-48.

Ramana,K.V.R. (1971). Effect of salinity on the uptake of Ca^{45} by peanut plants. Z.Pflanzenphysiol., 64(1) : 91-92.

Ravikovitch,S. and A.Porath (1967). The effect of nutrients on the salt tolerance of crops. Plant & Soil, 26 : 49-71.

Ravikovitch,S. and D.Yoles (1971). The influence of phosphorus and nitrogen on millet and clover growing in soils affected by salinity II. Plant composition. Plant and Soil, 35(3) : 569-588.

Raychaudhari,S.P. (1966). Land and Soil. Pb.National Book trust of India, New Delhi.

Roger,D.M. (1972). On the variability of Chlorogenic and concentration. Oecologia, 9(3) : 289-300.

Rozema,J. (1976). An ecophysiological study on the response to salt of 4 halophytic and glycophytic Juncus species. Flora (Jena), 165(2) : 197-209.

Rush,D.W. and E.Epstein (1976). Genotypic responses to salinity, difference between salt sensitive and salt tolerant genotypes of the tomato. Plant Physiol., 57(2) : 162-166.

Russell,J.S. (1976). Comparative salt tolerance of some tropical and temperate legumes and tropical grasses. Aust.J.Exp. Agric.Anim.Husb., 16(78) : 103-109.

Saini,H.R. and Malik,H.C. (1947). Studies in Punjab moth. Indian J.Agric.Sci., 17 : 281.

Sankhla,N . and W.Huber (1975). Effect of salt and abscisic acid on in vivo activity of nitrate reductase in seedlings of Phaseolus aconitifolius. Z.Pflanzen Physiol., 76(5) : 467-470.

Saxena,H.K. and U.K.Pandey (1981). Physiological studies on salt tolerance of ten rice varieties I. Growth and yield aspects. Indian J.Plant Physiol., 24(1) : 61-68.

Sekine,T., Sasakawa,S. Morita, T.Kimara and K.Kuratomi (1965). Cf. Laboratory manual for physiological studies of Rice. Ed. Toshida,S., Forno,D., Cook, J.H. and K.A.Gomez. Publ. by the International Rice Research Institute, Manila, 1972.

Sepaskhah,A.R. (1977). Effects of soil salinity levels and plant water stress at various soybean growth stages. Can.J.Plant Sci., 57(3) : 925-927.

Shalhevet,J., P.Reiniger and D.Shimshi (1969). Peanut response to uniform and non-uniform soil salinity. Agron.J., 61(3) : 384-387.

Shalhevet,J. and B.Yaron (1973). Effect of soil and water salinity on tomato growth. Plant and Soil, 39(2):285-292.

Shannon,M.C. (1978). Testing salt tolerance variability among tall wheatgrass lines. Agron.J., 70(5) : 719-722.

Sharma,D.C., S.S.Puntamkar, S.V.Jain and S.P.Seth (1977). Effect of different frequencies of irrigation with saline water on the yield of wheat and salt accumulation in saline sodic soil. Indian J.Agric.Sci., 47(10) : 485-488.

Shetty,G.P. (1971). Physiology of growth and salt tolerance of plants. Ph.D.Thesis submitted to Shivaji University, Kolhapur (India).

Shevyakova,N.I. and T.G.Leonova (1975). Effect of NaCl and Na_2SO_4 on *in vitro* incorporation of carbon^{-14} leucine into protein. Fiziol.Rast., 22(2) : 300-305.

Shimose,N. (1972). Physiology of salt injury in crops IX salt tolerance of barley, wheat and asparagus. The Scientific Reports of the Faculty of Agriculture, Okayama University, 40 : 57-68.

Shitole, M.G. (1980). Photosynthesis in fresh water and marine algae. Ph.D.Thesis submitted to Shivaji University, Kolhapur (India).

Shmueli,M. (1975). Drip irrigation of vegetables with saline water. Hort.Science, 10(5) : 506-509.

Singh,S. (1967). Physiological studies in plants of saline environment. Ph.D. Thesis submitted to University of Bombay (India).

Singh,M.K.; R.K.Singh and B.S.Saumitra (1979). Effect of inter-crops on the growth and yield of pigeonpea. Indian J. Agric.Sci., 49(2) : 100-104.

Smith,M.K. and McComb (1981). Effect of NaCl on the Growth of whole plants and their corresponding callus cultures. Aust.J.Plant Physiol., 8(3) : 267-275.

Smith,G.S., K.R.Middleton and A.S.Edmonds (1980). Sodium nutrition of pasture plants : 2. Effect of sodium chloride on growth, chemical composition and the reduction of nitrate nitrogen. New Phytol., 84 : 613-622.

Starck, Zofia and Maria Kozinska (1980). Effect of phytohormones on absorption and distribution of ions in salt stressed bean plants. Acta Soc.Bot.Pol., 49(2) : 111-126.

Steiner, M. (1935). Zur Oekologie der Salzmasschen der nordostlichen vereinigten Staaten von Nordameriea. Jahrb. Wiss.Bot., 81 : 94-202.

Stewart,G.R. and J.A.Lee (1974). The role of proline accumulation in halophytes. Planta, 120 : 279-289.

Storey,R. and R.G.Wyn Jones (1975). Betaine and choline levels in plants and their relationships to NaCl stress. Plant Sci.Lett., 4 : 161-168.

Strogonov, B.P. (1964). Physiological basis of salt tolerance of plants. Academy of Sciences of the U.S.S.R. Trans. A. Poljakoff-Mayber; A.M.Meyer, Israel Program Sci. Tansl. Jerusalem.

Strogonov, B.P., V.V.Kabanov, N.I.Shevjakova, L.P.Lapina, E.I. Komzerko, B.A.Popov, R.Kh. Dostanova and L.S.Prykhod'ko (1970). Structure, Funktziva kletok rastenii pri Zasolenii (Structure and function of plant cells under salinity). Moscow, Nauka.

Sury Von R. and W.Flueckiger (1983). The effect of different mixtures of sodium chloride and calcium chloride on the silver fir (Abies alba). Eur J. For Pathol., 13(1):24-30.

Sutcliffe,J.F. (1962). Mineral salt absorption in plants. Publ.Pergamon Press, pp.194.

Svitsev, M.V., S.A.Ponomareva and E.A. Kuznetsova (1973). Effect of salinization and herbicide on chlorophyllase activity in tomato leaves. Fiziol.Rast., 20(1) : 62-65.

Syed,M.M. and S.A. El Swaify (1973). Effect of saline water irrigation on N Co 310 and H-50-7209 cultivars of sugarcane II. Chemical composition of plants. Trop.Agric., 50 : 45-51.

Taha,M.W., A.El.Sewey and Z.G.Fadliah (1972). Salt tolerance of grape, guava and olive plants. Alexandria. J.Agric. Res., 20(1) : 123-135.

Tal,M., I.Rosental, R.Abramovitz and M.Forti (1979). Salt tolerance in Simmondsia chinesis. Water balance and accumulation of chloride, sodium and proline under low and high salinity. Ann.Bot., 43 : 701-708.

Tesu,C., E.Merlescu and I.Arvarvarel (1970). Saline alkali soils of the Moldavian plain, cultivable with salinity tolerant double maize hybrids. Ion Ionescu De La Brad. Iasi Lucr Styint I. Agron.Hort, 41-48.

Theiros, Ioannis N. and Stevena Weinbaum (1980). Influence of salinization on growth, mineral composition, nitrate compensation point and nitrate uptake by 2 plum clones grown in solution culture. Z.Pflanzen Physiol. 99(4) : 305-312.

Thomas,M. and M.Beevers (1949). Physiological studies on acid metabolism in green plants. II. Evidence of CO_2 fixation in Bryophyllum calycinum and study of diurnal variations in the genes. New Phytol., 48 : 421-427.

Tikka, S.B.S., J.P.Yadavendra, P.C.Bordia and Sudhir Kumar (1976). A correlation and path coefficient analysis of components of grain yield in Phaseolus aconitifolius Jacq. Genet Agrar, 30(2) : 241-248.

Tiku, B.L. (1976). Effect of salinity on the photosynthesis of the halophytes Salicornia rubra and Distichlis stricta. Physiol.Plant., 37(1) : 23-28.

Tindal,P.C., Singh,J.P. and Gupta, O.P. Indian J.Agric.Sci., 49(2) : 105-109 (1979). Cf. Karadge,B.A. and Chavan,P.D. (1983). In : "Physiological studies on salt tolerance in Sesbania". Final Report of Shivaji University, Project.

Torres,B.C. and F.T.Bingham (1973). Salt tolerance of Mexican wheat I. Effect of NO_3 and NaCl on mineral nutrition, growth and grain production of four wheats. Proc.Soil. Sci.Soc.Am., 37(5) : 711-715.

Toth,S.J., A.L.Prince, A.Wallace and D.S.Mikkelsen (1948). Rapid qualitative determination of eight mineral elements in plant tissues by systematic procedure involving use of flame photometer. Soil Sci., 66 : 459-466.

Tregubenko,M.I., G.L.Filippor and N.V.Vishneyski (1973). Respiratory metabolism of corn following improved growing conditions. Dokl. Veses (Ordena lenina) Ak. ad. S. Kh. Nauk.Imv.I. Lenina, 12 : 4-6.

Treichel,S. (1975). The effect of NaCl on the concentration of proline in different halophytes. Z.Pflanzenphysiol.,76:56-68.

Tripathi,B.R. and B.Pals (1979). Seasonal salt accumulation and tolerance of wheat to saline water in the semi-desert tract of U.P. Indian J.Agric.Sci., 49(3) : 206-210.

Uppal,H.L., R.R.Agrawala and M.M.Kibe (1961). Reclamation of saline and alkali lands. Pb. Farm information unit. Director of Extension, Ministry of Food and Agriculture, New Delhi.

Vavilov, N.I. (1926). Studies on the origin of cultivated plants, Chronica Botanica, 13 : 1/6 - 1949-1950. (Translated by K.Starr Chester).

Volhard,A. (1956). "Chlorides" Modern methods of plant analysis Peach, K. and Tracey, M.V.Springer-Verlag (Berlin) 1 : 487.

Waghmode, A.P. and G.V.Joshi (1979). Kranz leaf anatomy and C_4 dicarboxylic acid pathway of photosynthesis in Aeluropus lagopoides. Ind.J.Expt.Biol., 17(6) : 606.

Weimberg,R. (1970). Enzyme levels in pea seedlings grown on highly salinized media. Plant Physiol., 46 : 466-470.

Weimberg,R. (1975). Effect of growth in highly salinized media on the enzymes of the photosynthetic apparatus in pea seedlings. Plant Physiol., 56(1) : 8-12.

Weimberg,R.; Levner,H.R.; Poljakoff-Mayber,A. (1982). A relationship between potassium and proline accumulation in salt stressed Sorghum bicolor. Physiol.Plant, 55 : 5-10.

Wienke,J. and A.Laeuchli (1980). Effects of salt stress on distribution of sodium and some other cations in 2 Soybean varieties differing in salt tolerance. Z.Pflanzenernaehr Bodenkd, 143(1) : 55-67.

Wilson,J.R., Haydock,K.P., Robins,M.F. (1970). Response to salinity in Glycine. V. Changes in the chemical composition of three Australian species and G.Wightii (G. javanica) over a range of salinity stresses. Aust.J.Exp. Agr.anim.Hasb., 10 : 156-165.

Winter, Erika and Andre Laeuchli (1982). Salt tolerance of Trifolium alexandrinum : Comparison of the salt response of Trifolium alexandrinum and Trifolium pratense.

Wyn Jones, R.G. and O.R. Lunt. (1967). The function of calcium in plants. Bot.Rev., 33 : 401-426.

Wyn-Jones,R.G. and R.Storey (1978). Salt stress and comparative physiology in the Gramineae,IV. Comparison of salt stress in Spartina X townsendii and three barley cultivars. Aust.J.Plant Physiol., 5 : 839-850.

Yadav, J.S.P. (1976). Saline, alkaline and acid soils of India and their management. Fertilizer News, 21(9) : 15-23.

Yadav, J.S.P. (1981). Reclamation and crop production in alkali soils. Current Sci., 59(9) : 387-393.