
BIBLIOGRAPHY

- Aberg, B. (1958). Ascorbic acid. In : Encyclopedia of Plant Physiology. (W. Ruhland ed.). Springer, Berlin. 6:479.
- Ackerson, R.C. (1981). Osmoregulation in cotton in response to water stress. II. Leaf carbohydrate status in relation to osmotic adjustment. Plant Physiol., 67 : 489-493.
- Addicott, F.T., Carns, H.R., Lyons, J.L., Smith, D.E. and McMeans, J.L. (1964). Physiology of abscission. Proceedings of Fifth International Conference on Plant Growth substances. Gif. Sur-Yevette Centre, National de la Recherche Scientifique, Paris, pp.687-703.
- *Agakishiev, D. and Nikitina, Z.N. (1972). Chlorocholine chloride effect on cotton seed germination and other physiological processes in cotton. Izv. Akad. Nauk. Turkm. SSR Ser. Biol. Nauk., 5 : 24-28.
- Allfrey, J.M. and Northcote, D.H. (1977). The effects of the axis and plant hormones on the mobilization of storage materials in the groundnut (Arachis hypogaea) during germination. New Phytologist, 78 : 547-563.
- Amer, M.A., Abdel-Rasoul, M., Kandil, S.A. and Raafat, A. (1988). The effect of seed soaking with Ancymidol or CCC on the accumulation of dry matter, amino acids and nucleic acids at early stages of maize growth under different water regimes. Proceedings of International Congress of Plant Physiology, New Delhi, pp.123.
- Appleby, A.P., Kronstad, W.E. and Rohde, C.D. (1966). Influence of 2-chloroethyl ammonium chloride (CCC) on wheat (Triticum aestivum L.) when applied as a seed treatment. Agron. J., 58 : 435-437.

- *Asmaeva, A.P. and Avundzhyan, E.S. (1973). Effect of watering with chlorocholine chloride solution on sugar content in wheat sprouts. DOKL.VSES (ORDENA LENINA) AKAD. S-KH NAUK IM VI LENINA, 11 : 15,16.
- Arnon, D.I. (1949). Copper enzymes in isolated chloroplast : Polyphenol oxidase in Beta vulgaris. Plant Physiol., 24 : 1-15.
- Arnon, D.I. (1957). Triphosphopyridine nucleotide as a catalyst of photosynthetic phosphorylation. Nature (London), 180: 182-185.
- Arnon, D.I., Whatley, F.R. and Allen, M.B. (1954). Photosynthesis by isolated chloroplasts II. Photosynthetic phosphorylation, the conversion of light into phosphate bound energy. J. Am. Chem. Soc., 76 : 6324-6329.
- Arnon, D.I. (1956). Photosynthesis by isolated chloroplasts IV. General concept and comparison of three photochemical reactions. Biochem. Biophys. Acta., 20 : 449-61.
- Austin, R.B., Ford, M.A. and Blackwell, R.D. (1978). Relationships between nitrate reductase activity. Plant weight and nitrogen content in seedlings of Triticum, Aegilops and Triticale. Ann. Bot., 42 : 429-438.
- Bahat, A., Rimon, D. and Hartzook, A. (1979). The effect of Alar-85 on peanut yield. Hassadeh., 59 : 1782-1786.
- Bailey, J.K. and Bear, J.E. (1973). Search for a practical procedure for breaking dormancy of peanut seeds, Arachis hypogaea L. Journal of the American peanut Research and Education Association, Inc., 5 : 20-26.
- Basha, S.K., Mahaboob and Rajeswara Rao, G. (1980). Effect of phosphorus deficiency on growth and metabolism in peanut (Arachis hypogaea L.). Indian J. Plant Physiol., 23 : 273-277.

- *Basiouny, F.M. and Briggs, R.H. (1971). Uptake and translocation of iron in citrus. Proc. Fla. State Hortic. Soc., 34 : 17-23.
- Bates, L.S., Waldren, R.P. and Teare, T.D. (1973). Rapid determination of free proline for water stress studies. Plant and Soil, 39 : 205-207.
- Bauman, R.W. and Norden, A.J. (1972). Effect of growth regulators on vegetative and reproductive characteristics of six peanut genotypes. Journal American Peanut Research and Education Association Inc., 3 : 75-86.
- Bayles, B.B., Taylor, J.W. and Bartel, A.T. (1937). Rate of water loss in wheat varieties and resistance to artificial drought. J. Amer. Soc. Agron., 29 : 40-52.
- Beadle, C.L., Long, S.P., Imbamba, S.K., Hall, D.O. and Olemba, R.J. (1985). Photosynthesis in Relation to Plant Production In 'Terrestrial Environments'. Publ. Yeooly Publishing Ltd., Oxford, England.
- Becker, T.W. and Fock, H.P. (1986). The activity of nitrate reductase and the pool sizes of some amino acids and some sugars in water-stressed maize leaves. Photosynth. Res., 8 : 267-274.
- *Belova, T.V. (1969). Effect of seed treatment on metabolic changes in germinating seeds of groundnut. Sb. Trud. Aspir. molod. nauch. Sotr. Veses. Inst. Rasteniev. 10 : 372-377 (Ru.).
- Berry, D.R. and Smith, H. (1970). The inhibition by high concentrations of (2-chloroethyl) - trimethyl ammonium chloride (CCC) of chlorophyll and protein synthesis in excised barley leaf sections. Plants, 91 : 80-86.

- Bhadre, S.K. (1983). Physiological studies in cotton plant. Ph.D. thesis submitted to the Shivaji University, Kolhapur (India).
- Bhandari, M.C. and Sen, D.N. (1975). Effect of growth retardants on seedling growth excised cotyledons, chlorophyll, proteins and sugar contents in Citrulus species. Biochem. Physiol. Pflanz (BPP), 167 : 135-140.
- Binns, S.J. (1980). Effects of Ethrel on peanut seedling development. News letter of the Association of official Seed Analysts, 54 : 75-77.
- Biswas, A.K. and Choudhuri, M.A. (1986). Dikegulac sodium - a potential water stress hardening agent (Vigna sinensis CV. Pusaphalguni Crop Industry). Indian J. Exp. Biol., 24 : 608-611.
- Black, C.A. (1965). Methods of soil analysis, Part-II. Chemical and microbiological properties. Am. Soc. Agron. Inc. Madison, Wisconsin.
- Bledose, R.W. and Harris, H.C. (1950). Influence of mineral deficiency on vegetative growth, flower and fruit production and mineral composition of the peanut plant. Plant Physiol. 25 : 63-77.
- Bockelee-Morvan A. and Giller, P. (1973). Action of growth regulator on groundnut in Senegal. Oleagineux, 28 : 457-460.
- Bockelee-Morvan, A., Giller, P., Roussel, O., Salins, J.F. (1975). Effect of a growth regulator on the yield and quality of various groundnut cultivars. Oleagineux, 30 : 311-317.

- Brag, H. (1972). The influence of potassium on the transpiration rate and stomatal opening in Triticum aestivum and Pisum sativum. Plant Physiol., 26 : 250-257.
- Brittain, J.A. (1968). Response of Arachis hypogaea L. to succinic acid-1, 1-dimethyl hydrazide. Diss.Abstt., 28(10): 3938 B - 9 B.
- Brown, R.H. and Etheridge, W.J. (1974). Effects of succinic acid 2, 2-dimethylhydrazide on yield and other characteristics of peanut cultivars. Peanut Sci., 1 : 20-23.
- Brown, R.H., Etheridge, W.J. and King, J.W. (1973). Influence of succinic acid 2, 2-dimethylhydrazide on yield and morphological characteristics of 'Starr' peanuts (Arachis hypogaea L.) Crop.Sci., 13 : 507-510.
- Brownell, P.F. and Crossland, C.J. (1972). The requirement for sodium as a micronutrient by species having the C₄ dicarboxylic photosynthetic pathway. Plant Physiol., 49 : 794-797.
- Bussler, W. (1960). Manganese deficiency in groundnuts. Z.Pflanzenernahar, 90 : 1-4.
- Cammarano, P., Felsani, A., Gentile, M., Gualerzi, C., Romes, C. and Wolf, G. (1972). Formation of active hybrid 80-S particles from subunits of pea seedlings and mammalian liver ribosomes. Biochem.Biophys.Acta., 281 : 625-642.
- *Chang, C.W. and R.D.Ryan (1987). Effects of water stress on starch and sucrose metabolism in cotton leaves. Staerke, 39 : 84-87.

- ✓ Chavan, P.D. (1978). Effect of pretreatment of growth promoters on growth and metabolism of ragi (Eleusine coracana Gaertn.) Proc. 'National Symposium on Recent advances in plant Physiology in India' organised by ISPP. pp.40. Ahmedabad, India.
- Imp - Chavan, S.R. (1987). Physiological studies in nitrogen metabolism of groundnut (Arachis hypogaea L.). M.Phil. thesis submitted to the Shivaji University, Kolhapur (India).
- Chellappa, M. and Karivaratharaju, T.V. (1973). Effect of presowing soaking treatment with phytohormones on the yield of Arachis hypogaea L. Madras Agri. Journal, 60 : 1462-146 .
- Chenise, G.M. and Martin, I.F. (1968). Sites of manganese function in photosynthesis. Biochim. Biophys. Acta, 153 : 819-837.
- Cheung, W.Y. (1980). Calmodulin plays a pivotal role in cellular regulation. Science, 207 : 19-27.
- Chinoy, J.J. and co-workers (1969). A PL-480 Project Report submitted to Gujarat University, Ahmedabad, India.
- Chinoy, J.J., Gurumurti, K., Shastri, K., Abraham, P.G., I.C. Dave, Shah, P.N., Pandya, R.B. and Saxena, O.P. (1968). Effect of ascorbic acid, CCC and their interaction on germination and metabolism in peanut. Indian J. Plant Physiol., 11 : 216-225.
- Chinoy, J.J. and Saxena, O.P. (1972). Inductive effect of ascorbic acid on RNA, amylase, protease and RNA-ase. Proc. Int. Seed Test. Ass., 37 : 903-910.

- Chinoy, J.J. and Co-workers (1984). The Role of Ascorbic Acid in Growth, Differentiation and Metabolism in plants. (Eds. N.J.Chinoy) Martimus Nijhoff/DR/W. Junk Publishers.
- Clark, L.E. (1971). A procedure for determining viability of dormant peanut seeds. Proceeding of the Association of Official seed Analysts, 61 : 68-72.
- Clarkson, D.T. and Hanson, J.B. (1980). The mineral nutrition of higher plants. Ann.Rev.Plant Physiol., 31 : 239-298.
- Cormier, M.J., Jarrett, H.W. and Charbonneau, H. (1982). Role of Ca^H - calmodulin in metabolic regulation in plants. p.125-139. In S.Kakiuchi et al. (ed.). Calmodulin and intracellular Ca^{++} receptors. Plenum Press, New York.
- Cornforth, J.W., Milborrow, B.V., Ryback, G. and Wareing, P.F. (1965). Identity of sycamore "dormin" with abscissin II. Nature, 205 : 1269-1270.
- Crafts, A.S. (1961). Translocation in plants. Holt.Reinhart and Winston, Inc. New York. pp.182.
- Darra, B.L. and Saxena, S.N. (1973). Role of IAA on the mineral composition of maize (Zea mays) crop under various osmotic stressed conditions. Plant Soil, 38 : 657-661.
- Daughtry, C.S., Brown, R.H., Ethredge, W.J. (1975). Effects of time of application of succinic acid 2'-2' dimethyl hydrozide on yields and associated characteristics. Peanut Science, 2 : 83-86.
- Davies, W.J., Metcalfe, J., Lodge, T.A. and da-Costa, A.R. (1986). Plant growth substances and the regulation of growth under drought. Aust.J.Plant Physiol., 13 : 105-25.

- Davidson, F.M. and Long, C. (1958). The influence of the naturally occurring phospholipase-D on orolecithin and related substances. Biochemi.J., 69 : 458-466.
- Dekock, P.C., Commisiong, K., Farmer, V.C. and Inkson, R.H.E. (1960). Interrelationship of catalase, peroxidase, hematin and chlorophyll. Plant Physiol., 35 : 599-604.
- Deshmukh, P.S. and Srivastava, G.C. (1987). Metabolic manipulation of environmental stress in sunflower. Proceeding of National Seminar on Physiology and Biochemistry of Oil seed plants, Tirupati, pp.16.
- Dev, Prakash, V. (1970). Nitrate reductase activity in cotton seedlings treated with gibberelic acid and 2-chloroethyl trimethyl ammonium chloride. Ind.J.Plant Physiol., 13 : 67-71.
- Dickert, J.W. and Rozacky, (1969). Isolation and partial characterization of manganin, a new manganoprotein from peanut seeds. Arch.Biochem.Biophys., 134 : 473-477.
- Dodds, J.A.A. and Ellis, R.J. (1966). Cation stimulated ATPase activity in plant cell walls. Biochem.J., 101 : 31.
- Dogra, J.V.V. and Sinha, S.K.P. (1983). Cycocel induced changes in Vitamin C content in Phyllanthus urinaria Linn. Shoot. Proc. of 70th Session of the Indian Science Congress, Tirupati, pp.131.
- Dwivedi, R. Snehi (1986). Mineral nutrition and scope of breeding groundnut for nutrient deficiency resistance in 'Recent advances in groundnut productivity research'. Proceedings a Summer Institute held at NRCG, Junagadh (India).

- Eaton, F.H. and Ergle, D.R. (1948). Carbohydrate accumulation in the cotton plants at low moisture levels. Plant Physiol., 23 : 169-187.
- Eck, H.V. and Musick, J.T. (1979). Plant water stress effects on irrigated grain sorghum II. Effect on nutrient in plant tissues. Crop Sci., 19 : 592-598.
- *Eisele, G. (1944). Diss Darmstadt as cited by Stocker O 1948. Planta (Berlin), 35 : 445.
- Ellman, G.L. (1959). Tissue sulphhydryl Groups. Archives of Biochemistry and Biophysics, 82 : 70-77.
- Evans, H.J. and Sorger, G.J. (1966). Role of mineral elements with emphasis on the univalent cations. Ann. Rev. Plant Physiol., 17 : 47-77.
- *Farkas, G.L. and Rajhathy, T. (1955). Planta (Berlin), 45 : 535.
- Ferry, J.F. and Wards, H.S. (1959). Fundamentals of plant physiology. The MacMillan Company, New York.
- Ford, C.W. (1984). Accumulation of low molecular weight solutes in water stressed tropical legumes. Phytochemistry, 23 : 1007-1015.
- Forde, S.C.M. (1972). Effect of dry season drought on uptake of radioactive phosphorus by surface roots of the oil palm, (Elaeis guineensis Jacq.). Agron. J., 64 : 622-623.
- Fukutoku, Y. and Yamada, Y. (1982). Accumulation of carbohydrates and proline in water stressed soyabean (Glycine max L.). Soil Sci. Plant Nutr., 28 : 147-151.

- Gaber, A.I., Hussein, M.M. and Kandil, S.A. (1981). Effect of choromequat chloride (CCC) on photosynthetic pigments and water content of cotton plants under different levels of water supply. Egypt J. Agron., 4 : 83-94.
- Gaff, D.F. (1966). The sulphhydryl - Disulphide hypothesis in relation to desiccation injury of cabbage leaves. Aust. J. Biol. Sci., 19 : 291-299.
- Ganesan, V.T., Balakumar, T. and Krishnarao, R. (1988). Biochemical characterization of Retrieval from Drought in Cotton. Proc. International Congress of Plant Physiology. Feb.15-20, 1988, New Delhi, Abstract No.9.26 pp.140.
- Gardner, F.P. (1983). Peanut cultivar response to plant growth regulators. Proceedings, American Peanut Research and Education Society, Inc. 15 : 124.
- Garg, O.K. and Singh, B.P. (1971). Physiological significance of ascorbic acid in relation to drought resistance in rice (Dryza sativa L.). Plant Soil, 34 : 219-223.
- Gates, C.T. (1964). The effect of water stress on plant growth. J. Aust. Inst. Agr. Sci., 30 : 3-22.
- *Gaudinova, A. (1983). Biol. Plant., 25 ; 449-455.
- Gautreau, J. (1980). A new method of ending groundnut dormancy by using ethephon. Oleagineux, 35 : 353-356.
- Genkel, P.A. (1961). Drought resistance in plants; method of recognition and intensification. In 'Proc. Madrid Symp. Vol.XVI UNESCO, Paris, pp.167-174.

- Gill, K.S. and Singh, O.S. (1978). Physiological response of dwarf wheat to chlorocholine chloride under soil moisture stress. Biologia Plantarum, 20 : 421-424.
- Gilmore, A.R. (1971). Effect of soil moisture stress on foliar nutrients of loblolly pine. Trans.I. 11. State Acad.Sci., 64 : 313-316.
- Giri, G. and Gangasaran (1987). Influence of mode and time of chloromequat chloride (CCC) application on groundnut (A. hypogaea L.) under semi-arid conditions in north west India. Exp.Agric., 23 : 87-92.
- Gomez, L., Viqueira, L. and Rodriguez, C.R. (1981). Effect of relative humidity on the contents of carotenoids and 'a' and 'b' chlorophylls in two sugarcane varieties. Cien. Agric., 10 : 116-120.
- Gopalkrishnan, S. and Srinivasan, P.S. (1975). Effect of planofix an NAA formulation on groundnut. Pesticides, 9 : 23-25.
- Gopalkrishnan, S. and Srinivasan, P.S. (1975). Effect of planofix an NAA formulation on groundnut. Indian Journal of Agricultural Chemistry, 8 : 163-166.
- Gorbet, D.W. and Rhoads, F.M. (1975). Response of two peanut cultivars to irrigation and Kylar. Agrono.J., 67 : 373-370.
- Gorbet, D.W. and Whitty, B. (1973). Response of peanuts to growth regulators. Proceedings, Soil and Crop Society of Florida, 32 : 46-49.

- Goswami, C.L. and Garg, O.P. (1978). Effect of Ascorbic acid on nodulation, Nitrogen fixation and growth in Lucerne and Groundnut. Proc. Symposium "Recent Advances in Plant Physiology in India and Seminar on Plant growth and Metabolism". ISPP, Ahmedabad, India.
- *Gowda, A. (1977). Moisture stress and hormonal influence on the flowering and yield in groundnut (Arachis hypogaea Linn.). Thesis - University of Agricultural Science, Bangalore, India. Mysore Journal of Agriculture Science, 12 : 529-530.
- Goyal, A., Rathore, V.S. and Kochar, V.K. (1985). Effect of water stress on photosynthesis, proline accumulation and nitrate reductase activity in the leaves of three genotypes of rice (Oryza sativa L.). Indian J. Agric. Res., 19 : 215-224.
- Graham, R.D. (1979). Transport of copper and manganese to the xylem exudate of sunflower. Plant Cell Environ., 2 : 139-43.
- Gujarathi, B.G. (1984). Physiological studies in groundnut (Arachis hypogaea L.). Ph.D. Thesis submitted to Shivaji University, Kolhapur (India).
- Gunning, B.E.S., Steer, M.W. and Cochrane, M.P. (1968). Occurrence, molecular structure and induced formation of the "Stroma-centre" in plastids. J. Cell. Sci., 3 : 445-456.
- Gupta, D.K.D. (1975). Effects of cycocel on crop plants in Sierra Leone. 1. Groundnut (Arachis hypogaea). Experimental Agriculture, 11 : 209-213.

- Gurubaksha Singh, Sekhon, N., Kaur, M. (1978). Effect of growth regulators on some yield contributing parameters in Arachis hypogaea L. Journal of Research, Punjab Agri. Univ., 15 : 106-111.
- Gurubaksh Singh and Sharma, B. (1982). Effect of growth regulators on groundnut productivity. Indian Journal of Ecology, 9 : 281-285.
- Hageman, R.H., Flesher, D. and Gitter, A. (1961). Diurnal variation and other light effects influencing the activity of nitrate reductase and nitrogen metabolism in corn. Crop Sci., 1 : 201-204.
- Halevy, A.H. (1964). Effect of hardening and chemical treatment on drought resistance of gladiolus plants. Proc. 16th Int. Hort. Congr., 3 : 277-283.
- *Halevy, J., Hartzook, A., Feldman, S., Feldhay, H. and Markovitz, T. (1979). Influence of late season foliar fertilizer on groundnut. Hassaden, 59(6) : 1118-1122.
- Halevy, A.H. and Kessler, B. (1963). Increased tolerance of bean plants to soil drought by means of growth-retarding substances. Nature, 197 : 310-311.
- Halevy, A.H. and Ruth Shilo (1970). Promotion of growth and flowering and increase in the content of endogenous gibberellins in gladiolus plants treated with the growth retardant CCC. Physiol. Plant., 23 : 820-827.



- Hammerton, J.L. (1976). Effect of B-9 (N-dimethyl - amino-succinamic acid) on growth and yield of peanuts (Arachis hypogaea L.). Journal of Agri.Sc. (UK), 86(1) : 211-218.
- Harris, H.C. (1949). Effect on the growth of peanuts of nutrient deficiencies in the root and the pegging zone. Plant Physiol., 24 : 150-161.
- Hartt, C.E. (1970). Effect of potassium deficiency upon translocation of ^{14}C in detached blades of sugarcane. Plant Physiol., 45 : 183-187.
- Hartzook, A. and Goldin, F. (1970). Effect of 2,3,5 Triiodobenzoic acid (TIBA) on the morphology of three peanut varieties grown in the field. Israel Journal of Agr. Research, 20 : 169-171.
- Henckel, P.A. (1964). Physiology of plants under drought. Ann.Rev.Pl.Physiol., 15 : 363-86.
- Heydecker, W. (1973). "Seed Ecology", Edited by W.Heydecker. University of Nottingham Ninteenth Easter School in Agricultural Science, 1972, Butterworths, London.
- *Horak, O. and Kinzel, M. (1971). Oesterr Bot.Z., 119 : 475-479.
- Hubac, C., Guerrier, D. and Bousquet, U. (1986). Effect of a far red light on malate and potassium contents in cotton leaves : relation to drought resistance. Physiol.Plant, 66 : 37-40.
- Huffaker, R.C., Radin, T., Kleinkopf, G.E. and Cox, E.L. (1970). Effect of mild water stress on enzymes of nitrate assimilation and of the carboxylative phase of photosynthesis in barley. Crop Sci., 10 : 471-474.

- *Hunter, A.S., Kelly, W.C., Somers, G.F. (1950). Agron.J., 42 : 96.
- Hyde, B.B., Hodge, A.J., Kahan, A. and Brinstiel, M.L. (1963).
Studies in phytoferritin. I. Identification and localization. J.Ultrastruc.Res., 9 : 248-258.
- *Iljin, W.C. (1923). Der Einfluss des Wassermanges auf die Kohlenstoff assimilation durch die Pflanzen. Flora (Jena), 116 : 393-408.
- Itai, C., Aviva, K. and Ali Nejidat (1988). Is proline involved in the regulation of stomatal movement. Proc. of International Congress of Plant Physiology, New Delhi, pp.131.
- *Ivanov, S.M. and Karakash, L.A. (1965). The effect of inadequate aeration and soil moisture on the metabolism and the content of mobile and bound iron in apple trees. Ref.Zh.Biol., 9659 : 21-30.
- Janagoudar, B.S., Venkatsubbaiah, K., Janardhanan, K.V. and Panchal, Y.C. (1983). Effect of short term stress on free proline accumulation, relative water content and potassium content in different plant parts of three cotton varieties. Ind.J.Plant Physiol., 26 : 82-87.
- Jaworski, E.G. (1971). Nitrate reductase assay in intact plant tissues. Biochem.Biophys.Res.Comm., 43 : 1274-1279.
- Jenne, E.A., Rhoades, H.F., Yien, C.H. and Howe, O.W. (1958). Changes in nutrient element accumulation by corn with depletion of soil moisture. Agric.J., 50 : 71-74.

- Jones, M.M., Turner, N.C., and C.B. Osmond (1979). In 'Physiology and Biochemistry of Drought Resistance'. (L.E. Paleg and D. Aspinall, eds.), Academic Press, New York.
- Jones, M.M., Osmond, C.B. and Turner, N.C. (1981). Accumulation of solutes in leaves of sorghum and sunflower in response to water deficits. Aust. J. Plant Physiol., 7 : 153-205.
- Joshi, G.V. and Hegde, B.A. (1978). Ascorbic acid and stress physiology. Proc. of symposium organised by Indian Soc. Plant Physiology, Ahmedabad, India, pp. 21.
- Joshi, R.K., Mishra, S.D., Gaur, B.K. (1978). Release of dormancy in Trombay groundnut seeds by plant growth regulator. Acta Botanica Indica, 6 (Supplement) : 7-15.
- Kaloyereas, S.A. (1958). A new method of determining drought resistance. Plant Physiol., 33 : 232-233.
- *Kamynina, L.M. (1965). Agrokhimiya, 10 : 123.
- Kanvel, D.E. (1969). Influence of growth retardants on growth, nutrient content and yield of tomato plants grown at various fertility levels. J. Hort. Sci., 94 : 32-35.
- Karadge, B.A. and Chavan, P.D. (1980). 'Physiological studies on salt tolerance in Groundnut'. U.G.C. Project (1978-80) (8828/77), Shivaji University, Kolhapur.
- Kauss, H. (1977). Biochemistry of osmotic regulation. In "International Review of Biochemistry Plant Biochemistry II", (D.H. Northcote, ed.), 13 : 119-139.
- Kawasaki, T., Akiba, T. and Moritaugu, M. (1983). Effect of high concentrations of sodium chloride and polyethylene glycol on the growth and ion absorption in plants. Plant Soil, 75 : 75-86.

- Kessler, B. and Frnak-Tishel, J. (1962). Dehydration induced synthesis of nucleic acids and changing of composition of ribonucleic acid. A protective reaction in drought resistant plants. Nature, 196 : 542-543.
- Ketring, D.L. (1975). Physiology of oil seeds 5. Germination of NC-13 Virginia type peanut seeds in the presence of inhibitors and ethylene. Peanut Science, 2 : 73-77.
- Ketring, D.L. (1977). Effect of plant growth regulators on reproduction of "Starr" Spanish type peanuts. Agron.J., 69 : 110-114.
- Ketring, D.L. and Morgan, P.W. (1969). Ethylene as a component of the emanations from germinating peanut seeds and its effect on dormant Virginia type seeds. Plant Physiol., 44 : 326-330.
- Ketring, D.L. and Morgan, P.W. (1971). Physiology of oil seeds 2. Dormancy release in Virginia type peanut seeds by plant growth regulators. Plant Physiol., 47 : 488-492.
- Ketring, D.L. and Schubert, A.M. (1978). Effect of ethrel on growth, flowering and fruiting of peanut (Arachis hypogaea L.) plants (abstract). In proc. of the Plant growth regulators working group, Fifth annual meeting, Virginia Polytechnic Institute and State Uni. Blacksburg, Virginia, U.S.A.
- Ketring, D.L. and Schubert, A.M. (1979). Effect of cytokinin containing plant extract, cytex, on peanut reproduction. Proceedings, American Peanut Research and Education Society, Inc., 11(1) : 59.

- Khan, A.A., Tao, K.L. and Roe, C.H. (1973). Isolation and properties of nuclei from control and auxin treated soybean hypocotyl. Plant Physiol., 52 : 79-81.
- Kirk, J.O.T. and Allen, R.L. (1965). Dependence of chloroplast pigment synthesis on protein synthesis : Effect of actidione. Arch. Biochem. Biophys. Res. Commun., 21 : 523-530.
- *Kogl, I., Haagen, Smit, A. and Erxleben, H. (1934). Uber ein neues Auxin (Heteroauxin) aus Harn. XI. Mitteilung. Z. Physiol. Chem., 228 : 90.
- Kongstrud, K.I. (1969). Effect of soil moisture tension on growth and yield in black currants and apples. Acta. Agr. Scand., 19 : 245-247.
- Krishnamurthy, K. (1967 a). Induction of dormancy in groundnut by pre-harvest foliar application of Maleic hydrozide. Indian J. Agric. Sci., 37 : 33-36.
- Krishnamurthy, K. (1967 b). Differential effect of hormones as foliar applications on the yield of groundnut. Indian J. Sci. Ind., 1 : 79-82.
- Krishnamoorthy, H.N. (1972). Effects of ethrel on growth and flowering of peanut. Zeitschrift far Pflanzenphysiologie, 67 : 367-369.

- Kuhad, M.S. and Sheoran, I.S. (1986). Physiological and biological changes in cluster bean (Cyamopsis tetragonaloba, L.) genotypes under water stress. Indian J. Plant Physiol., 29 : 46-52.
- *Kurosawa, E. (1926). Experimental studies on the secretion of Fusarium heterosporum on rice plants. J. Nat. Hist. Soc., (Formosa), 16 : 213-227.
- *Kushnirenko, M.D., Medvedeva, T.N. and Kryakova, E.V. (1971). Water regimes and state of plant plastid apparatus. Fiziol. Bio-khim. Kul't Rast., 3 : 563-568.
- Kvien, C.S. and Littrell, R.H. (1985). Observations on two generations of peanut treated with XE-779 and Kylar-85. In Proceedings of the Plant Growth Regulator Society of America, 12th Annual Meeting, Lake Alfred, Florida, USA, 37.
- Larson, K.L. and Eastin, J.D. (ed.) (1971). Drought injury and Resistance in Crops. CSSA Special Publication No.2, Crop Science Society of America, Madison, Wisconsin.
- Lauchli, A. and Pfluger, R. (1978). Potassium transport through plant cell membranes and metabolic role of potassium in plants. Proc. 11th Congr. Int. Potash Inst. Bern., pp.111-163.
- Lawlor, D.W. and Fock, H. (1977). Water Stress induced changes in the amount of some photosynthetic assimilation products and respiratory metabolites of sunflower leaves. J. Exp. Bot., 28 : 329-337.
- Lawlor, D.W. and Milford, O.F.J. (1973). The effect of sodium on growth of water stressed sugarbeet. Ann. Bot., 37 : 597-604.

- Lee, K.C., Campbell, R.W. and Paulsen, C.M. (1974). Effects of drought stress and succinic acid 2,2 dimethylhydrazide treatment on water relations and photosynthesis in pea seedlings. Crop Sci., 14 : 279-282.
- Legocka, J. and Szweykowska, A. (1981). The role of cytokinins in the development and metabolism of Barley leaves. III. The effect on the RNA metabolism in various cell compartments during senescence. Z.Pflanzenphysiol. Bd., 102 : 363-374.
- Leonard, R.T. and Hotchkiss, C.W. (1976). Cation stimulated adenosine triphosphate activity and cation transport in corn roots. Plant Physiol., 58 : 331-335.
- Letham, D.S. (1963). Regulators of cell division in plant tissues. I. Inhibitors and stimulants of cell division in developing fruits : their properties and activity in relation to the cell division period. Newzeal.J.Bot., 1 : 336-350.
- Leveque, M. and Beley, J. (1959). A contribution to the study of the mineral nutrition of groundnuts (Arachis hypogaea L.) In 'An Introduction to physiology of field crops' (Eds. A. Shiv Raj). pp.272. Oxford and IBH Publishing Co., New Delhi.
- Levitt, J. (1956). "The Hardiness of Plants". pp.278. Academic Press, New York.
- Levitt, J. (1962). A sulfhydryl-disulfide hypothesis of frost injury and resistance in plants. J.Theoret.Biol., 3:355-391.

- Levitt, J. (1972). Responses of plant to environmental stresses. Academic Press, New York.
- Levitt, J. (1980). "Response of plants to Environmental Stresses." 2nd ed., Vol.2, Academic Press, New York.
- Linser, H., Neuman, K.H. and El-Damaty, H. (1965). Preliminary investigation of the action of (2-chloroethyl trimethyl ammonium chloride) on the composition of the soluble N-fraction and protein fraction of young wheat plants. Nature, 206 : 893-895.
- Linser, H. and Zeid, F.A. (1975). Pure protein chlorophyll, carotene and carbohydrates of Dacus carota throughout the vegetative period of first year as influenced by growth regulators (CCC, GA, BA). Z.Pflanzenernaehr Bodenkd, 2 : 181-196.
- Lishchuck, A.I., Kucherova, T.P. and Miroshinchenko, T.A. (1985). On drought resistance increase in Bush Cherry plum and Sweet Cherry plants as influenced by (CCC) chlorocholine chloride. S-KHBIOL., 0(6) : 80-82.
- *Litvinova, L.F. and S.Kh.Yuldashev (1971). Effect of chloromequat and gibberllin on carbohydrate contents in leaves and stems of cotton CV differing in resistance to lodging. Nauchnye Trudy Tashkentskii Sel' Skokhozaistvenny Institut, 26 : 133-137.
- Lowry, O.H., Rosenbrough, N.J., Farr, A.L. and Randall, R.J. (1951). Protein measurement with the Folin Phenol reagent. J. Biol. Chem., 193 : 262-263.

- *Luckicheva, E.L. (1968). Trudy Inst. Bot. Alma-Ata, 25 : 23.
- Lyttleton, J.W. (1960). Stabilization by manganese ions of ribosomes from embryonic plant tissue. Nature, 187 : 1026-1027.
- Magdum, A.K. (1984). Physiological studies in sunflower. Ph.D. Thesis submitted to Shivaji University, Kolhapur (India).
- Malathi Chari, K. Gupta, Prasad, T.G., Krishnasastry, K.S. and Udayakumar, P. (1986). Plant Soil, 91 : 109-114.
- Manzava, N.A. (1979). Regulation of gynophore elongation and fructification in the peanut (Arachis hypogaea L.). Dissertation Abstracts International, B., 40 : 520.
- Manzava, N.A. and Flocker, W.J. (1978). Effect of morphactin on growth and geotropism of peanut gynophore explants. J. Am. Hort. Sci., 103 : 574-575.
- Marschner, H. (1986). Mineral nutrition of higher plants. Academic Press Inc. (London) Ltd., 24/28, Oval Road, London, NW's 7 DX.
- *Martin, G. (1959). La decalcification des terres au niari action des amendements calcaires. Oleagineux, 14 : 213-220.
- Masuda, Y., Tanimoto, E. and Wada, S. (1967). Auxin-stimulated RNA synthesis in Oat Coleoptile Cells. Physiol. Plant., 20 : 713.
- May, L.H. and Mithorpe, F.L. (1962). Drought resistance of field crops. Field Crop Abstract, 15 : 171-179.

- Mayoral, M.L., Atsman, D., Shimshi, D. and Bihanan, Z.G. (1981).
Effect of water stress on enzyme activities in wheat and
related wild species. Carboxylase Activity, Electron
Transport and Photophosphorylation in Isolated Chloroplasts.
Aust. J. Plant Physiol., 8 : 385-393.
- *Mengel, K. (1977). Spezifische Wirkungen des Kaliums bei der
Ertragsbildung der Pflanze. Bodenkultur., 28 : 366-385.
- Mengel, K. and Kirkby, E.A. (1980). Potassium in crop production.
In : 'Advances in Agronomy', Academic Press, New York,
33 : 59-103.
- Mengel, K. and Von Braunschweig, L.C. (1972). The effect of soil
moisture upon the availability of potassium and its
influence on the growth of young maize plants (Zea mays L.).
Soil Sci., 114 : 142-148.
- Miller, (1954). Growth and growth hormones. In 'A Text Book
of Plant Physiology'. (Eds. V. Verma). Emkay Publications,
Delhi, pp. 513.
- Miller, C.O., F. Skoog, F.S. Okumura, M.H. Von Saltza and Strong,
F.M. (1956). Isolation, structure and synthesis of kinetin,
a substance promoting cell division. J. Am. Chem. Soc., 78 :
1375-1380.
- Miller, R.W. and Caude, S.J. (1983). Calcium and magnesium
effects on symbiotic nitrogen fixation in the alfalfa
(Medicago sativa) - Rhizobium meliloti system. Physiol.
Plant, 58 : 464-470.

- Mohanty, P. and Boyer, J.S. (1976). Chlorophyll response at low leaf water potential IV. Quantum yield is reduced. Plant Physiol., 57 : 704-709.
- Mozingo, R.W. and Steele, J.L. (1983). Growth regulator effects on the market quality of Virginia type peanut cultivars. Proceedings, American Peanut Research and Education Society, Inc., 15 : 84.
- Mozingo, R.W. and Steele, J.L. (1984). Growth regulator effects on the market quality of five Virginia type peanut cultivars. Peanut Science, 11 : 64-66.
- Mukherjee, S.P. and Choudhuri, M.A. (1983). Implications of water stress induced changes in the levels of endogenous ascorbic acid and hydrogen peroxide in Vigna seedlings. Physiol.Plant, 58 : 166-170.
- Mukherjee, S.P., Kar, R.K. and Choudhari, M.A. (1982). Proline accumulation in relation to degree of drought resistance in plants of different ecological habitats. Sci.and Culture, 48 : 402-404.
- Mukherjee, S.P. and Sen, S. (1966). Presoaking groundnut in hormone solution of low concentration, a preliminary study. Agricultura Louvain, 14 : 343-60.
- Murty, K.S. and Venkateswarlu, J. (1975). Studies on the effect of auxin and auxin-antagonists on groundnut plant (Arachis hypogaea L.) 1. Effect of seed treatment on seedling growth. Ind.J.Plant Physiol., 18 : 147-153.

- Nalawade, B.B. (1983). Physiological studies in niger (Guizotia abyssinica Cass.). M.Phil. dissertation submitted to the Shivaji University, Kolhapur (India).
- Naphade, K.T., Sagare, B.N. and Joshi, B.G. (1986). Effects of seed soaking with chemicals on yield and nutrient uptake by sunflower. Journal of Maharashtra Agric.Uni., 2 : 189-192.
- Narasimhareddy, S.B. and Swamy, P.B. (1976). Effect of various growth regulators on the germination of dormant groundnut (Arachis hypogaea L.) seeds. Ind.J.Plant Physiol., 19 : 226-229.
- *Nawata, E., Hamusa, I. and Tadashi, A. (1985). Sci.Hortic.(Amst.) 26 : 119-128;
- Nelson, N. (1944). A photometric adaptation of the Somogyi method for the determination of glucose. J.Biol.Chem., 153 : 375-380.
- Ness, P.J. and Woolhouse, H.W. (1980). RNA synthesis in Phaseolus chloroplasts I. Ribonucleic acid synthesis and senescing leaves. J.Exp.Bot., 31 : 223-233.
- Nigam, R.K., Varkey, M. and Reuben, D.E. (1979). Effects of ethylene releasing compounds on the growth and flower morphology in Arachis hypogaea Linn. Legume Research, 2:99-102.
- Nimbalkar, J.D. (1973). Physiological studies in sugarcane. Ph.D. Thesis submitted to Shivaji University, Kolhapur (India)
- Nooden, L. (1968). Studies on the role of RNA synthesis in auxin induction of cell enlargement. Plant Physiol., 43 : 140.

- Ohkuma, K., Addicott, F.T., Smith, O.E. and Thiessen, W.E. (1965).
The structure of abscissin II. Tetrahedron Letters, 29 :
2529-2535.
- O'Neal, D. and Joy, K.W. (1974). Glutamine synthetase of pea
leaves. Divalent cation effects, substrate specificity and
other properties. Plant Physiol., 54 : 775-779.
- Osborne, D.J. (1955). Acceleration of abscission by a factor
produced in senescent leaves. Nature, 173 : 1161-1163.
- Pal, R.N. and Laloray, M.M. (1967). Calcium sodium interaction
in the pod development of the peanut (Arachis hypogaea L.).
Experientia, 23 : 383.
- Paleg, L.G. and Aspinall, D. (1981). The Physiology and bio-
chemistry of drought resistance in plants. Publ. Academic
Press, Australia, pp.446.
- Palfi, G., Bito, M. and Palfi, Z. (1973). Free proline and water
deficit in plant tissues. Fiziol.Rast., 20 : 233-238.
- Pande, H.K. and P. Singh (1969). Effect of moisture and nitrogen
on growth, yield and mineral content of rice. Exp. Agri.,
5 : 125-132.
- Pitman, M.G. (1981). Ion uptake. pp.71-96. In : Physiology and
Biochemistry of Drought Resistance in Plants. Paleg, L.G.
and D. Aspinall (eds.). Publ. Academic Press, Australia,
pp.466.
- Plaut, Z. and Halevy, A.H. (1966). Regeneration after wilting,
growth and yield of wheat plants, as affected by two growth
retarding compounds. Physiol.Plant, 19 : 1064-1072.

- Puttaswamy, S., Krishnappa, K.M., Krishnamurthy, K. (1976).
Groundnut response to foliar nutrients and hormones.
Current Research, 5 : 39-40.
- *Rabechault, H. and Guenin, G. (1967). Effect of GA on 2 groundnut varieties. Cah. ORSTOM Ser. Biol., 4(4) : 3-29.
- Rahman, A.A.A., Shalaby, A.F. and Monayeri, M.O.El. (1971). Effect of moisture stress on metabolic products and ion accumulation. Plant Soil, 34 : 65-90.
- Rains, D.W. (1972). Salt transport by plants in relation to salinity. Ann. Rev. Plant Physiol., 23 : 367-368.
- Rajgopal, V., Balasubramanian, V. and Sinha, S.K. (1977). Diurnal fluctuations in relative water content, nitrate reductase and proline content in water stressed and non-stressed wheat. Physiol. Plant, 40 : 69-71.
- Rao, A.C.S. and Ramamoorthy, B. (1981). Effect of moisture stress on yield, nutrient uptake and nutrient movement into grain in nine varieties of wheat. India J. Pl. Physiol., 24:269-282.
- Rao, P.G. and Rao, I.M. (1970). Metabolic response of groundnut (Arachis hypogaea L.) to respiratory inhibitor (MH) and growth inhibitor (NAA) in dark. J. Ind. Bot. Soc., 49:174-183.
- *Rao, R.C.R. (1980). Effect of growth regulators on growth and yield of irrigated groundnut (A. hypogaea) at various plant densities. Thesis abstracts, 6(2) : 89-91. S.V. Agric. Coll., Tirupati.

- Ravindra,V., Nautiyal,P.C. and Joshi,Y.C. (1988). Physiological analysis of genetic variation for drought resistance and yield in groundnut (Arachis hypogaea L.).Proc. International Congress of Plant Physiology, Feb. 15-20, 1988, New Delhi. Abstract No.9.40 pp.146.
- Reddy,P.R., Subba Rao,T.V.and Rao,L.M. (1980). Groundnut physiology progress report I. (1978-80). Andhra Pradesh Agr.Univ., Hyderabad.
- Reddy,P.S. and Veeranjanyulu,K. (1988). Effect of water stress on some enzymes of nitrogen metabolism during water stress in horsegram. (Abstracts). International Congress of Plant Physiology, Feb.15-20, 1988, New Delhi, pp.141.
- Reddy,S.C.S. and Patil,S.V. (1981). Effect of growth retardants on the yield and yield attributes of groundnut (Arachis hypogaea L.).Mysore Journal of Agricultural Sciences, 15 : 238-241.
- *Reddy,S.C.V. (1978). Growth and yield of groundnut varieties (Arachis hypogaea L.) in relation to the application of naphthalene acetic acid. Thesis Uni.Agri.Sc., Bangalore (India).
- Reid,P.H.and Cox,F.R.(1973). 'Soil properties, mineral nutrition and fertilizer practices'. Chapter-B, in peanuts culture and uses'. American Peanut Research and Education Association Inc., Stillwater, Oklahoma.

- Reid, P.H. and York, B.T. Jr. (1958). Effect of nutrient deficiencies on growth, and fruiting characteristics of peanuts in sand culture. Agron. J., 50 : 63-67.
- Reilly, M.L. (1976). The nitrate assimilation capacity of some Irish grown wheat (Triticum vulgare) varieties. II. An in vitro assessment of nitrate reductase and its relation to productivity. Proc. R. Ir. Acad., 76 B : 555-566.
- Richards, L.A. and Wadleigh, C.H. (1952). Soil water and plant growth. In "Soil physical conditions and plant growth". Ed. E.T. Shaw, pp. 73-251. Academic Press, New York.
- Riddle, J.A., Hageman, H.A., Anthony, C.M.J. and Hubbard, W.L. (1962). Retardation of plant growth by a new group of chemicals. Science, 136 : 391.
- Robinson, P.M., Wareing, P.F. and Thomas, T.H. (1963). Isolation of the inhibitor varying with photoperiod in Acer pseudo-platanus. Nature, 199 : 874-876.
- Sakanaue, Y. and Iguchi, T. (1968 a). Effect of low soil moisture at ripening on the growth and nutrient absorption of rice. Effect of drought damage on the growth. Nippon Dojo Hiryo-gaky Zasshi., 39 : 171-173.
- Sakanaue, Y. and Iguchi, T. (1968 b). Effect of less soil moisture at generative growth upon growth and nutrient absorption of rice plant. Studies on drought damage upon growth and mineral element uptake of crops 2. Nippon Dojo Hiryo-gaky Zasshi., 39(3) : 210-213.

- Sakanaue, Y. and Iguchi, T. (1968 c). Effect of moderate or low soil moisture at vegetative stages on the growth and mineral uptake of rice. Nippon Dojo Hiriyogaku Zasshi, 39 : 214-218.
- Salim, K.M. and Oryem-Origa, H. (1981). The relationship between cell size and cell number and the distance from the root tip to the region of phloem initiation in groundnut (Arachis hypogaea L. var. Bukene Red). Journal of Expt. Botany, 32 : 813-820.
- Salim, M.H. and Todd, Gleen, W. (1968). Seed soaking as a pre-sowing, drought hardening treatment in wheat and barley seedlings. Agron., 60 : 179-182.
- Samuels, S. (1972). Influence of water excess or deficiency on leaf nutrient content and plant growth in sugarcane and other crops. J. Agric. Univ., P.R., 56 : 81-84.
- Sanjeevaiah, B.S., Phanishayi, G., Rajashekhara, B.G. (1967). Response of groundnut (Arachis hypogaea Linn.) to plant growth regulators. Mysore, J. of Agric. Sc., 1 : 81-87.
- *Santelmann, P. and Thilsted, E. (1977). Plant growth regulator use in spanish peanuts. Research Report, Agricultural Experiment Station, Oklahoma State University. No.P-754, pp.11.
- Schobert, B. and Taschesche, H. (1978). Unusual solution properties of proline and its interaction with proteins. Biochim. Biophys. Acta., 541 : 270-277.

- Sekine, I., Sasakava, T., Mortia, S., Kimara, T. and Kuratomi, K. (1965). Cf. Laboratory manual for physiological studies of Rice. Ed. Yoshida, S. Forno, D., Cook, J.H. and K.A. Gomez. Publ. by the International Rice Research Institute, Manila, 1972.
- Sengupta, U.K., Pandey, M. and Sirohi, G.S. (1979). Effect of growth regulators on seed germination in groundnut interaction studies. Seed Research, 7 : 114-119.
- Sengupta, U.K. and Sharma, A. (1986). Effect of ABA and kinetin on glutamate dehydrogenase and glutamate oxaloacetate transaminase activity in germinating groundnut seeds. Indian Journal of Plant Physiol., 29 : 243-247.
- Sengupta, U.K., Sirohi, G.S., Kaim, M.S., Pokhriyal, T.C. (1977). Effect of growth regulators on seed germination in groundnut. Ind.J.Plant Physiol., 20 : 91-96.
- Sevilla, F., Lopez-Gorge, J., Gomez, M. and Del Rio, L.A. (1980). Manganese superoxide dismutase from higher plant purification of a new Mn-containing enzyme. Planta, 150 : 153-157.
- Shaner, D.L. and Boyer, J.S. (1976 a). Nitrate reductase activity in maize (Zea mays L.) leaves. I. Regulation by nitrate flux. Plant Physiol., 58 : 499-504.
- Shaner, D.L. and Boyer, J.S. (1976 b). Nitrate reductase activity in maize (Zea mays L.) leaves II. Regulation by nitrate flux at low leaf water potential. Plant Physiol., 58 : 505-509.

- Sharma, K. and Singh, G. (1985). Seedling growth and sugar metabolism of groundnut under polyethylene glycol induced water-stress. Indian J. Ecol., 12 : 252-256.
- Shashidhar, V.R., Mekhri, A.A. and Krishnasastri, K.S. (1981). Potassium content and proline accumulation following seed treatment with calcium chloride in groundnut varieties. Indian J. Plant. Physiol., 24 : 89-92.
- Singh, O.S. and Gill, K.S. (1972). Some physiological aspects of the effects of kinetin, depth of seedling and soil temperature on seedling establishment and metabolism of dwarf wheats. Ind. J. Agr. Sci., 42 : 205-210.
- Singh, P.N. and Prasad, R. (1979). Effect of water stress on uptake and translocation of certain mineral elements. Natl. Acad. Sci. Lett., 2 : 211-212.
- Singh, P.N. and Prasad, R. (1980). Water stress effects on growth and organic acid metabolism in groundnut. Geobios., 7:14-17.
- Singh, T.N., Aspinall, D. and Paleg, L.G. (1973 d). Stress metabolism IV. The influence of (2-chloroethyl) - trimethyl ammonium chloride and gibberellic acid on the growth and proline accumulation of wheat plants during water stress. Aust. J. Biol. Sci., 26 : 77-86.
- Sinha, S.K. and Rajagopal, V. (1975). Proline slows down the loss of nitrate reductase in moisture stressed plants. Plant Physiol., (Suppl.), 56 : No.2 : 22.

- Sinha, S.K. and Nicholas, J.D. (1981). 'Nitrate Reductase' in physiology and Biochemistry of Drought Resistance in plants. Academic Press Australia, pp.167.
- *Sisakian, N.M. (1940). The biochemical character of drought resistant plants. Publ. House Acad. Sci., U.S.S.R. Moskvo, Leningard (In Russian).
- Sivaramakrishnan, S., Patell, V.Z., Flower, D.J. and Peacock, J.M. (1988). Proline accumulation in contrasting sorghum during mid-season drought stress. Proceedings of International Congress on Plant Physiology, New Delhi, pp.138.
- *Skoog (1954). Growth and growth hormones. In 'A Text Book of Plant Physiology (Eds. V. Verma). pp.495. Emkay Publications, Delhi.
- Skoog, F., Strong, F.M. and Miller, C.O. (1965). Cytokinins. Science, 148 : 532.
- Slatyer, R.O. (1969). Physiological significance of internal water relations in crop yield. In 'Physiological aspects of Crop Yield' (J.D. Eastin et al., eds.) pp.53-79. Amer. Soc. Agron. Madison, Wisconsin.
- Smith, A.F. and Raven, J.A. (1979). Intracellular pH and its regulation. Ann. Rev. Plant Physiol., 30 : 289-311.
- Sperrazza, J.M. and Spermulli, L.L. (1983). Quantitation of cation binding to wheat germ ribosomes : influence on subunit association equilibria and ribosome activity. Nucleic Acid Res., 11 : 2665-2679.

- Sreeramulu, N. (1974). Changes in endogenous growth regulating compounds during the after ripening of the dormant seeds of groundnut. Zeitschrift für Pflanzenphysiologie, 71 : 101-107.
- Sreeramulu, N. and Rao, I.M. (1968). Seed germination in non-dormant bunch type groundnut (TMV-2). Sci.Cult., 34 :84-85.
- Srinivasan, P.S. and Gopalkrishnan, S. (1977). Effect of planofix an NAA formulation on groundnut var. TMV-7. Current Sci., 46 : 119-120.
- *Startseva, A.V. (1963). Kazanskogo Filiala Akad Nauk SSSR, Ser.Biol.Nauk, 9 : 68.
- Stewart, C.R. (1978). The role of carbohydrates in proline accumulation in wilted barley leaves. Plant Physiol., 61: 775-778.
- *Stewart, J.D. and Hungate, F.P. (1966). Effect of soil moisture on uptake and translocation of ^{137}Cs , Potassium, ^{45}Ca and ^{85}Sr in Phaseolus vulgaris var. Red Kidney. In Proceed. of International Symposium on Radiological concentration processes : 25-29. April, 1966. Stockholm Swed. Pergamon Press Symposium Publ. London, 399-407.
- Stoddart, J.L. (1965). Chemical changes in Lolium temulentum L. after treatment with CCC. J.Exp.Bot., 16 : 604-613.
- Stout, P.R. (1961). Micromutrients in crop Vigour. Proc.9th Ann Calif.Fertilizer Conf., pp.21-23.

- Sugiyama, T., Nakayama, N. and Akazawa, T. (1968). Structure and function of chloroplast proteins V. Homotropic effect of bicarbonate in RuBP carboxylase relation and the mechanism of activation by magnesium ions. Arch. Biochem. Biophys., 126 : 734-745.
- Suryanarayan, N. (1977). Effect of growth regulators on growth, development and yield of groundnut. Thesis abstract (1977). 3(4) : 252, S.V. Agric. Coll. Tirupati.
- Tadzhieva, F.N. (1980). Effect of moisture deficiency in the soil on the pigment content and stability of chlorophyll protein lipid complex in desert plants. Uzb. Biol. Zh., 6 : 32-35.
- Takeshi, T. (1966). Relationship between drought tolerance and being in higher plants I. Mineral content. Bot. Mag. (Tokyo), 79 : 414-421.
- Thilsted, E. and Santelmann P.W. (1977). Comparison of mefluidide, ethephon and SADH in spanish peanuts. In proceedings of the plant growth regulator Working Group Fourth annual meeting, Hot springs, Arkansas, Aug. 9-11, 1977.
- Thomas, M. and Beevers, H. (1949). 'Physiological studies in acid metabolism in green plants. II. Evidence of CO₂ fixation in Bryophyllum calycinum and the study of diurnal fluctuations in the genus. New Phytol., 48 : 421-447.
- Timpa, J.D., Burke, J.J., Quisenberry, J.E. and Wendt, C.W. (1986). Effect of water stress on the organic acid and carbohydrate composition of cotton plants. Plant Physiol., 82(3):724-728.

- Tolbert, N.E. (1960). J. Biol. Chem., 235 : 475-479.
- Tomati, U. and Galli, E. (1979). Water stress and -SH dependent physiological activities in young maize plants. J. Exp. Bot., 30 : 557-563.
- *Tombesi, L. (1951). Durante il Ciclo Vegetativo e la cura. Tobacco No.618.
- *Tombesi, L. (1952). Ann. Sper. Agr. Roma N.S. 6.
- Tretyakov, N.N. and Gomer, V.V. (1985). Effect of CCC on the content of free amino acids in the root neck zone of alfaalfa and plant frost resistance. IZVTIMIRYAEV S-KH AKADO, (1) : 105-111.
- Upreti[†], M. and Yadav, R.B.R. (1985). Effect of Cycocel on lodging yield and grain quality of Oat (Avena sativa) Cultivar 'Kent'. Indian J. Plant Physiol., 28 : 103-106.
- Vaithialingam, R. and Rao, J.S. (1973). Induction of dormancy in groundnut by preharvest foliar spray of MH-30. Madras Agri. Journal, 60 : 1862-1863.
- Vaithialingam, R. and Rao, J.S. (1973). Effect of MH-30 on certain physiological aspects in groundnut. Madras Agri. Journal, 60 : 1471-1475.
- Vaithialingam, R. and Rao, J.S. (1973). Presoaking effects of maleic hydrazide (MH-30) on groundnut. Madras Agric. Journal, 60 : 404-405.
- Vaithialingam, R. and Rao, J.S. (1973). Effect of MH-30 on the total amino acids in dormant groundnut. Madras Agri. Journal, 60 : 1862-1863.

- Virgin, H.I. (1965). Chlorophyll formation and water deficit. Physiol. Plant, 18 : 994-1000.
- Vora, A.B., Patel, J.A., Vyas, A.V., Patel, B.R. and Patel, H.C. (1974). Carbohydrate metabolism of sorghum seedlings under low moisture level. Geobios, 1 : 164-167.
- Vora, A.B., Patel, H.C., Vyas, A.V., Patel, B.R. and Patel, J.N. (1975). Ascorbic acid turnover in water stressed Sesamum seedlings. Geobios, 2 : 186-187.
- Vu, J.C.V. and Yelenosky, G. (1989). Non-structural carbohydrate concentrations in leaves of valencia orange subjected to water stress. Environmental and Experimental Botany, 29 : 149-154.
- Vyas, D.N., Patel, K.C., Patel, R.D. (1965). Influence of pre-germination chemical treatment on ascorbic acid and ascorbic acid oxidase of peanut. Naturwissenschaften, 52 : 166-167.
- Vyas, D.N., Patel, K.C. and Patel, R.D. (1967). Carbohydrate contents during germination of growth regulator treated groundnuts. Starke, 19 : 410-415.
- Vyas, D.N. and Patel, K.C. (1968). Effect of growth regulators on amylase activity of groundnut during germination. Starke, 20 : 114-116.
- Vyas, D.N., Patel, K.C. and Patel, R.D. (1969). Study on the fatty acid composition during germination of peanuts treated with growth regulators. J. Am. Oil Chem. Soc., 46 : 41-46.

- Walker, M.B., Henning, R.J., Mullinix, B.G. (1981). Responses of florunner peanuts (Arachis hypogaea L.) to Kylar and foliar fertilizer. Field Crop abstracts, 34(71) : 633.
- Weimberg, R., Lerner, H.R. and Poljakoff-Mayber, A. (1982). A relationship between potassium and proline accumulation in salt stressed Sorghum bicolor. Physiol.Plant, 55 : 5-10.
- Whitney, E.B. and Gorbet, D.W. (1974). Chemical growth regulators for peanuts. Plant growth regulator Bulletin, 2(4) : 54-55.
- Wilson, A.M., Mc Kell, C.M. and William, W.A. (1968). Drought and phosphorus affect growth of annual forage legumes. J.Range Manage, 21(5) : 305-308.
- Worthington, R.E. and Smith, D.H. (1974). Modification of peanut oil fatty acid composition by foliar application of 2', 2'-dimethyl succino hydrazide (Kylar). Journal of Agri.and Food Chemistry, 22 : 507-508.
- Wu, C.H. and Santelmann, P.W. (1977). Influence of six plant growth regulators on spanish peanuts. Agron.J., 69 : 521-522.
- *Wunderlich, F. (1978). Die Kernmatrix : Dynamisches Protein - Gerüst in Zellkernen. Naturwiss.Rundsch., 31 : 282-288.
- Wyn Jones, R.G. and Lunt, O.R. (1967). The function of calcium in plants. Bot.Rev., 33 : 407-426.

- Wynne, J.C., Baker, W.R. Jr. and Rice, P.W. (1974). Effects of spacing and a growth regulator kylar on size and yield of fruit of virginia type peanut cultivars. Agron.J., 66 : 192-194.
- *Yabuta, T. and Hayashi, T. (1939). Biochemical studies on bakanae fungus of the rice II. Isolation of "gibberellin" the active principle which makes the rice seedlings grow slenderly. J.Agr.Chem.Soc. (Japan), 15 : 257.
- Yadav, R.B.R., Patil, B.D. and Sreenath, P.R. (1978). Effect of growth regulators on leaf growth, photosynthetic pigments and seed yield of berseen (Trifolium alexandrium L.). Forage Res., 4 : 121-125.
- Zayed, E.A., El-Zawily, A.I. and Ibrahim, S.A. (1985). Growth, yield and chemical composition of Okra plants (Abelmoschus esculentus Cultivar Clemson spineless) as affected by some growth regulators. Angew Bot., 59 : 199-208.
- *Zimmerman, P.W. and Hitchcock, A.E. (1942). Substituted phenoxy and benzoic acid growth substances and the relation of structure to physiological activity. Contr.Boyce Thompson Inst., 12 : 321.
- Ziv, M., Koller, D. and Halevy, A.H. (1976). Ethylene and the geotropic response of lateral branches in peanuts. Plant Cell Physiol., 17 : 333-339.

* Original not seen.

alphabetically

Following references are not included in Bibliography by oversight.

Abraham, P.G., I.C. Dave, R.B. Pandya, and O.P. Saxena (1968). A study of the rate of respiration and ascorbic acid metabolism during flowering and senescence of wheat. Proc. 37th Session Nat. Acad. Sci., pp. 48.

Bhattacharjee, A. and Gupta, K. (1981). Effect of CCC on retardation of seedling growth and metabolism of sunflower. Sci. Cult., 47(7) : 266-268.

* Giller, P. and Bockelee-Morvan, A. (1976). Recent work on the action of Alar on the groundnut, its application method and its effect on calcium movement. Travaux recents concernant l' action de l' Alar Sur l'arachide, Son mode d' application et son influence sur les mouvements du calcium. Oleagineux, 34(12) : 587-590.

Halliwell (1968). C.F. Mineral Nutrition of higher plants. (Ed. Marschner, 1986). Academic Press Inc. (London) Ltd. 24/28 Oval Road London, NW's 7.DX.

Hartzook, A. (1978). The effect of Kylar-85 (SADH) on peanuts Hassadeh, 58(9) : 1739-1740.

Slatyer, R.O. (1967). Plant water relations. Academic Press, New York.

Witzenberger, A., Williams, J.H. and Lenz, F. (1985). Yield, components of yield and quality responses of groundnut cultivars (Arachis hypogaea L.) as influenced by photo-period and a growth regulator. Field Crop Research, 12(4) : 347-361.