



Chapter :- VI



BIBLIOGRAPHY

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- Addicot, E.T. and Lyon, J.L. (1969). Physiology of Abscisic acid and related substances. Ann. Rev. Plant Physiol. 20 : 139-164.
- Amen, R.D. (1968). Botan Rev. 34, 1-31. Cf. Dormancy and developmental arrest by Mary E. Clutter.
- Bain, J.M. and Mercer, F.V. (1966). Subcellular organization of the cotyledons in germinating seeds and seed seedlings of Pisum sativum L. Aust. J. Biol. Sci., 19-69.
- Balls, A.K. and Hale, W.S. (1940). Cereal Chem. 17 : 490-494. Cf. Wareing, P.F. and P.F. Saunders, (1971). Hormones and Dormancy. Annual Rev. Plant Physiol., 22 : 261-288.
- Barbosa, Margarida Marla Silva, Waldemar Tobias Lellis and Antonio F De Souza Pin Ho (1974). "Experiments on Brazil nut germination". Bol. Inst. Biol. Bahia, 13(1) : 100-106.
- Bates, L.S., Waldren, R.P. and I.D. Teare (1973). Rapid determination of free proline for water stress studies. Plant and Soil, 39 : 205-207.
- Bacquerel, P. (1932). C.R. Acad. Sci. Paris. 194 : 2158 in "The Germination of Seeds" (eds.) Mayer, A.M. and Poljakoffmayber Pergamon Press, N.Y.
- Bilbeski, R.L. (1973). Phosphate pods, phosphate transport and phosphate availability, Ann. Rev. Pl. Physiol. 24 : 255-262.

- Borthwick,H.A., Hendricks,S.B., Parker,M.W., Toole,E.H. and Toole,V.K. (1952). A reversible photoreaction controlling seed germination. Proc.Nat.Acad.Sci. U.S.A., 38 : 662-666.
- Brewbaker,J.L. (1976). The woody legume Leucaena, promising source of feed, fertilizer and fuel in the tropics.
Hawaii Agric. Expt. Sta. Res.Bull., 116-129.
- Brown,A.J. and Worley,F.P. (1912). The influence of temperature on the absorption of water by seeds of Hordeum vulgare in relation to the temperature coefficient of chemical change.
Proc.Royal Soc. London, B., 85 : 546-553.
- Burdett,A.N. and Vidayer,W.E. (1971). Synergistic action of ethylene with gibberellin or red light in germinating lettuce seeds. Plant Physiol., 49 : 656-657.
- Chapman,H.G. and Seth,S.K. (1963). A revised survey of the Forest Types of India. Govt. of India Publication.
- Chaturvedi,A.N. (1981). "Leucaena leucocephala trials in Uttar Pradesh, India". Indian For. 107(10) : 611-616.
- Chen,D. and Osborne,D.J. (1970). Hermonus in the translation control of early germination in wheat embryo. Nature, 226 : 1157-1160.
- Ching,T.M. (1972). Metabolism of germination seeds : In "Seed Biology" (T.T.Kozlowski, Ed.) Academic Press, New York.
- Chrispeels, M.J., Tenner,A.J. and Johnson,K.D. (1973). Synthesis and release of sucrose by the aleurone layer of barley. Regulation by gibberellic acid. Planta, 113 : 35-46.

- Chu,T.M., Aspinall,D. and L.G.Paleg (1976). Stress metabolism VII. Salinity and proline accumulation in barley. Aust.J. Plant Physiol., 3(2) : 219-228.
- Cohen,D. (1958). The mechanism of germination stimulation by alternating temperatures. Bull.Res.Counc.Isr.,Sect. D 6, 111.
- Come,D. and Tissaoui,T. (1968). Induction d'une dormance embryonriaire secondaire chez le Pommier (Pirus malus L.) Par des atmospheres très appauvries en oxygène c.r. befd. Scomc. Acad.Sci., 266 : 477-479.
- Cragg,J.B. (1962). Cf. M.Ed. Poore in Advances in Ecological Research-1. edited by J.B.Cragg, 1962, p.37.
- Delevoryas T. (1966). "Plant Diversification". Holt, Rinehart and Winston, New York.
- de Wit, H.C.D.(1961). Typification and correct names of Acacia villosa wild and (LEUCAENA GLAUCA (L) Benth). Taxon.10:50-54.
- Dijkman M.J. (1950). Leucaena a Promising Soil erosion control Plant. Econ.Bot. 4 : 337-349.
- Dorffling,K. (1970). Abscisinsäme und Keimungshemmung in der Tomatenfrucht (Abscisic acid and inhibition of seed germination in Tomato fruits). Planta, 93(3) : 243-256.
- Dowdar,A.F., Shalaby,M.A. Helmy and H.A.Khaetl (1981). "Germination of Opuntia, Ficus indica Seeds". Egypt.J.Bot., 22(3) : 241-250.
- Dure,L.S. (1975). Seed formation. Ann.Rev.Plant Physiol., 26 : 256-287.

- Edgar,J.G. (1977). "Effect of moisture stress on germination of Eucalyptus camaldulensis Dehnh. and E.regnans F.muell. Aust.For.Res., 7(4) : 241-246.
- Eldan,M. and Mayer,A.M. (1972). Evidence for the activation of NADP-Cytochrome C Reductase during germination of Lettuce. Physiol.Plant, 26 : 67-72.
- Epstein,E. (1972). Mineral nutrition of plants : Principles and perspectives. John Wiley and Sons Inc. New York, London, Sydney, Toronto.
- Esachi,Y. and Leopold,A.C. (1969). Dormancy regulation in subterranean clover seeds by Ethylene. Plant Physiology, 44 : 1470-1472.
- Esachi,Y., Yanai,N. and Hishinuma,K. (1978). Control of the germination of secondary dormant cock lebur seeds by various germination stimulants. Plant Cell Physiol., 19(8) : 1497-1506.
- Evenari,M. (1956). Light and seed dormancy. Encyclopedia of Plant Physiology, 15(2) : Springer-Verlag, Heidelberg.
- Evenari,M. (1961). A survey of the work done in seed physiology by the Department of Botany, Hebrew University, Jerusalem, Israel. Proc.Int.Seed Test.Ass., 26 : 597-658.
- Fabisz-Kijawaska, Dullin,A. and Walayn,W. (1975). Isolation and purification of RNA polymerases from rye embryos. Biochem. Biophys.Act., 390 : 105-116.

- Flint, H.L. and McAllister, E.D. (1935). Smithsonianiaus miscellaneous
 Cf. Rollin P. "In Phytochrome" ed. by K. Mitrakos and In
 Collection 94, No. 5, Shropshire Academic Press London, 1972.
- Galston, A.W. and Davies, P.J. (1970). "Control Mechanisms in
 Plant Development". Prentice Hall, New Jersey.
- Gardner, W.A. (1921). Cf. Factors affecting germination. In the
 germination of seed by Mayer A.M. and Poljakoff Mayber,
 IIInd ed. Paragon Press, N.Y. Bot.Gaz. 71 : 249.
- Gibbons, G.C. (1981). On the sequential determination of o-
 amylase transport and cell wall breakdown in germinating
 seeds of Hordeum vulgare Cv. Nordal. Carlsberg Res. Common.
 45(3) : 177-184.
- Gray, S.G. (1968). A review of research on LEUCAENA LEUCOCEPHALA
 Tropical Grass lands, 2 : 19-30.
- Gulliver, R.L. and Heyduker, W. (1973). Cf. In 'Seed Ecology CW
 Heydecker eds. pp. 433-462, Butterworths, London.
- Haberlandt, E. (1875). Haberlandt. Wissprakt. Unters a. d.
 Gabited. Pflanzen baues (Wien). 1 : 109-16 Cf. Vegis, A.
 (1964). Dormancy in higher plants. Annual. Rev. Plant.
Physiol., 15 : 185-224.
- Harris, F.S. (1915). Effect of alkali salts of crops. J. Agric.
Res. (5) : 1-53.
- Hegarty, T.W. and Ross, H.A. (1978). Differential sensitivity
 to moisture stress on seed germination and seedling radicle
 growth in Calabrage (Brassica oleracea var. latica) and
 Cress (Lepidium sativum). Ann. Bot. 42 : 1003-1005.

- Higgins,T.J.V., Zwar,J.A. and Jacobson,J.V. (1976). Gibberellic acid enhances the level of translatable mRNA for α - amylase in barley aleurone layers. Nature (Lond.), 260 : 166-168.
- Hill,G.D.(1971). "Leucaena leucocephala for pastures in the tropics". Herb. Anstr. 41 : 111-118.
- Ho,D.T. and Varner,J.E. (1976). Response of barley aleurone layers to abscisic acid. Plant Physiol., 57 : 175-178.
- Hogland,C.S. and Buchman,G.A. (1973). Weed seed germination under stimulated drought. Weed Science, 21(4) : 322-324.
- Hsu,F.C. (1978). Plant Physiology. (In Press).
- Huber,W. (1974). Influence of NaCl and abscissic acid treatment on protein metabolism and some further enzymes of amino acid metabolism in seedlings of Pennisetum typhoides. Planta, 121 : 225-235.
- Hunter,J.R. and Erickson,A.E. (1952). Relation of seed germination to soil moisture tension. Agron.J., 44 : 107-109.
- Hutton,B.M. and S.G.Gray (1959). Problems in adopting LEUCAENAGLAUCA as a forage for the Australian tropics. EMP.J.EXPT.AGRIC. 27 : 187-196.
- Iyengar,E.R.R., Kurian,T. and Tewari,A. (1968). Utilization of sea water and coastal sandy belts for growing crops in India. Saline irrigation for Agriculture and Forestry, Ed. By H. Boyko. Dr.W.N.Junk, N.V.Publishers, The Hague, 24-40.
- Jarvis,B.C., Frankland,B. and Cherry,J.H. (1968). Increased nucleic acid synthesis in relation to the breaking of dormancy of hazel seed by Gibberellic acid. Planta (Berl.) 83 : 257-266.

- Janowski, Ribas and Iguacia, (1977). Relation between phosphatase content and germinating capacity in seeds of different species. Circ. Farm., 35(254) : 33-44.
- Jones,R.L. (1973). Gibberllins : Their physiological role. Ann.Rev.Plant Physiol., 24 : 571-598.
- Jones,R.L. And Armstrong,J.E. (1971). Evidence for osmotic regulation of hydrolytic enzyme activity in germinating barley seeds. Ibid., 48 : 137-142.
- Karadge,B.A. (1981). Physiological studies in Succulents. Ph.D.thesis, Shivaji University, Kolhapur, India.
- KarsSEN,C.M. (1968). The light promoted germination of the seeds of Chenopodium album L. II Effects of RS) abscisic acid. Acta Bot. Heer., 17(4) : 293-308.
- Ketring,D.L. (1977). Ethylene and seed germination in "The Physiology and biochemistry of seed dormancy and germination" ed. Khan,A.A. by North Holland Publishing Company.
- Ketring,D.L. and Morgan,P.W. (1969). Ethylene as a component of the emanations from germinating Pea-nut seeds and its effect on dominant virginia type seeds. Plant Physiol. 44 : 326-30.
- Khan,A.A. (1967). Antagonism between cytokinins and germination inhibitors. Nature (London), 216 : 166-167.
- Khan,A.A. (1977). Cytokinins, permissive role in seed germination. Science, 171 : 853-859.
- Khan,A.A. (1977). The physiology and Biochemistry of seed ~~gasm~~ Dormancy and Growth. North Holland Publishing Co., New York.

- Khan,A.D. (1957). Some suitable pastures and forage grasses for Uttar Pradesh. J.Soil Wat.Conser. India, 5 : 169-177.
- Khosh-Khui,M. and A.Bassiri (1976). "Physical dormancy in Myrtle seed". Sci.Hortic., 5(4) : 363-366.
- Kidd,F. (1914). Proc.Roy.Soc.B., 87 : 410. C.F. "The germination of seeds". Ed. Mayer,A.M. and Poljakoff Mayber,A. Pergamon Press, N.Y.
- Kinch,A.D. and J.C. Ripperton. (1962). Koa-haole production and processing. Hawaii Agric. Exp.Stat.Bull. 129 : 58.
- King,R.W. (1976). Planta, 132 : 43-51.
- Krishnamurthy,K. and M.K. Mune Gousda (1981). Koo-babul - Leucaena leucocephala a multipurpose tree for Karnataka UAS. Tech. Series 38 : 1-17.
- Kumar,S. and Pratima Bhardwaj (1981). Studies on the genotypic differences in the early seedling growth of various crop plants under saline conditions. Indian J. of Plant Physiology, XXIV, No.2.
- Kunjamna,H.R. (1983). 'Germination studies in Finger millet (*Eleusine coraeana* Gaertn.). M.Phil.thesis, Shivaji University, Kolhapur, India.
- Levins,R. (1969). In Dormancy and survival, 23rd Symp. Soc. Expt. Biol., pp.1-10.
- Lineback,D.R., Ponpion,S. (1977). Effect of germination of wheat, oats and pearl millet on α -amylase activity and starch degradation". Stauke, 29(2) : 52-60.

- Longo,C.P. and Longo,G.P. (1970). The development of glyxysomes in peanut cotyledons and maize scutella. Pl.Physiol., 45 : 249-254 (1970).
- Maier,W. (1933). Jahr. wiss. Bot. 78, 1. In the germination of seeds, by Mayer,A.M. and Poljakoff-Mayber IIInd Ed. (1975). Peragamon Press Ltd.
- Mancivelli,A. (1958). Ann.di Botanica, 26 : 56 C.f. In "The Germination of Seeds" eds. Mayer,A.M. and Poljakoff-Mayber, A.Pergamon Press, N.Y.
- Marshall,J.J. (1972). Structure, function and metabolism of the cereal carbohydrates. Wallerstein Lab.Comm., 35(115) : 49-102.
- Maslekar,A.R. (1977). Forester's companion pp. 6/3. Published by Jugal Kisore and Company, Dehradun (U.P.) India.
- Mayer,A.M., Mayer,H.A. and Harpel,E. (1971). Acid phosphatase in germinating lettuce-Evidence for partial activation. Physiol.Plant, 24 : 95-101.
- Mayer,A.M. and Poljakoff-Mayber,A. (1963). The germination of seeds. Macmillan, New York.
- McCullough,J.M. and Shropshire,W. Jnr.(1970). "Physiological predetermination of germination responses in Arabidopsis thaliana (L.) Heynh." Pl.Cell Physiol. 11 : 139-148.
- Murraman,R.P. and M.Peach (1968). Reaction products of applied phosphate in limitted Soils. Soil Sci.Soc.Amer.Proc., 32 : 493-496.
- Nagaveni,H.C. and R.A.Shrimati. (1981). "Studies on germination of Sandal" (S.album). Indian For., 107(6) : 348-354.

- Narayana Swamy,S.S. and L.Shivagnaham. (1962). A leguminous thorn less quick growing hedge plant. (*LEUCAENA GLAUCA (L) Benth.*). Madras Agric.J., 49 : 110-112.
- Neff,R.J. and Neff,R.H. (1969). In Dormancy and Survival, 23rd Symp. Soc.Exper. Biol., pp.51-81.
- Negm,F.B. and Smith,O.E. (1978). Effect of ethylene and CO₂ on the germination of osmotically inhibited lettuce seeds. Plant Physiol., 62 : 473-476.
- Nelson,N. (1944). A photometric adaptation of the Somogyi method for the determination of glucose. J.Biol.Chem., 153 : 375-380.
- Obendorf,R.L. and Marcus,A. (1974). Rapid increase in adenosine 5'-triphosphate during early wheat embryo germination. Plant Physiol., 53 : 779-781.
- Oizumi, Hisakazu, Tokakumihira, Yasuo Takashi and Hiroshi Nojima (1981). "Effect of water stress in germinating seeds on germination and early growth of seedling in forage crops : Zlegumes". Tech.Bull.Fac.Hortic.Chiba Univ., 0(29) : 29-34.
- Oota,K., Ouo,T., Omomi,N. (1953). Studies on the salt injury of crops. S.influence of NaCl solutions on the germination of wheat. Sci.Rep.Fac.Agric.Okayama Univ., 2 : 28-37.
- Palfi,G. and J.Juhasz (1970). Increase of the free proline level in water deficient leaves as a reaction to saline or cold root media. Acta.Agron.Acad.Sci.Hung., 19(1/2) : 79-88.
- Palmiano,E.P. and Juliano,P.B. (1972). "Biochemical changes in the rice grain during germination." Plant Physiol., 49 : 751-756.

- Pandey,B.N. and R.P.Sinha, (1979). "Dormancy and germinability of some crotalaria species." Trop.Ecol., 20(1) : 94-100.
- Paliwal,K.V., Maliwal,G.L. and Sharma,B.P. (1971). 2nd Annual Report of ICAR Scheme of "Salt tolerance of field crops".
Udaipur Univ., Udaipur.
- Pollock,B.M. and Olney,H.O. (1959). Studies of the rest period L.Growth, translocation and respiratory changes in the embryonic. Plant Physiol., 34 : 131.
- Raghavan,V. (1976). Experimental Embryogenesis in Vascular Plants". Academic Press, New York.
- Raison,J.K. and Evans,W.J. (1968). Enthalpy change in the hydrolysis of the phosphate esters of myoinositol.
Biochem. Biophys. Acta., 170 : 448-451.
- Rao,S. Padmaja and R.K.Mukherjee (1978). "Dormancy studies in black gram (Phaseolus mungo L.). Biol.Plant (Prague), 20(2) : 81-85.
- Raynolds,T. and Thompson,P.A. (1971). Characterization of the high temperature inhibition of germination of lettuce :
Physiol.Plant., 24 : 544-547.
- Richards,R.A. (1978). Variation between and within species of rape seed (Brassica campestris and B.napus) in response to drought stress. Aust.J.Agric.Res., 29(3) : 491-501.
- Rizk,T.Y., Ali,H.A. and Hasan,A.M. (1979). "Effect of varying concentrations of certain salt on germination and seedling vigour of two rape (Brassica napus L.) var. Mesopotamia J. Agric., (14)2 : 25-40.



- Roberts (1972). Dormancy, a factor affecting seed survival in the soil. In Viability of Seeds. pp.321-59, Roberts E.H. (ed.) Chapman & Hall, London.
- Roberts, E.H. and Smith, R.D. (1977). "Dormancy and Pentose phosphate pathway In The Physiology and biochemistry of Seed dormancy and Germination. (A.A.Khan, ed.) pp.385-411. Elsevierl North Holland Biochemical Press, Amsterdam.
- Sachs, J. (1860). Physiologische Untersuchungen liber der Abhangigkeit der Keimung Von der Temperatur. Jahrb. Wiss.Bot., 2 : 338.
- Saint Clair, P.M. (1976). Germination of Sorghum bicolor under Polyethylene glycol induced stress. C.J.Plant Sci., 56(1) : 21-24.
- Salunke, V. (1984). On Forest development in Daily Sakal dated 7.2.1984. Edited by S.G.Mungekar for Sakal Private Ltd., Pune.
- Savitskaya, N.N. (1976). The Physiological role of proline in Plants. Biol.Nauki., 19(2) : 49-61.
- Schobert, B. (1977). Is there an osmotic regulatory mechanism in algae and higher plants. J.Theor.Biol., 68(1) : 17-26.
- Sen, D.N. (1977). Environment and seed germination of Indian Plants. Chronica Botanica Co., New Delhi, 1977.
- Shain, Y. and Mayer, A.M. (1968). Activation of enzymes during germination : Amylopectin-1, 6-glucosidase in Peas; Physiol.Plant; 21 : 765-776.

Sharma, V.K.K.L. Dua and R.P.Singh (1976). Studies on seed germination of Caesalpinia bonducella Flem. Plant Sci., (Lucknow), 7 : 61-64.

Shaybany, Bijan and Iraj Rouhan (1976). Effect of presowing treatments temperatures on seed germination of Acacia cyanophylla Lindl. Hort Science, 11(4) : 381-383.

Simmonds,R. and Dumbroff,E.B. (1974). High energy charge as a requirement for axis elongation in response to gibberelllic acid and Kinetin during Stratification of Acer saccharum seeds. Plant Physiol., 53 : 91-95.

Sinha,S.M. and N.S.R.N.Dey, (1956). Suitability of some introduced legumes in Indian Agriculture. Allahabad Fmr., 30 : 186-198.

Smith,H. (1972). In Phytochrome. Ed.Mitrakos,K. and Shropshire, W.Jnr. p.433.

Smith,H. (1975). Phytochrome and photomorphogenesis. Mc Graw Hill Book Co., N.Y.

Stewart,G.R. and J.A.Lee (1974). The role of proline accumulation in halophytes. Planta, 120(3) : 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 (as affected by various types of Salinity). English Edn., Jerusalem, TPST.

Subburamu,K. and O.K.Sridhar (1977). Pretreatment studies on blackgram (*Phaseolus mungo* (CV T-9) to improve germination. Seed Res. (New Delhi), 5(2) : 177-179.

Sussex,I.M. (1975). Amer.J.Bot., 62 : 948-953.

Sussex,I.M. Clutter,M.E. and Walbot,V. (1975). Plant Physiol., 56 : 575-578.

Takahashi,M. and J.C.Ripperton (1949). Kao-haole (*LEUCAENA GLAUCA* (L) Benth). its establishment, culture and utilization as a forage crop. Hawaii agric.Expt.Stn.Bull. 100:56.

Takayanagi,K. and Harrington,J.F. (1971). Enhancement of germination rate of aged seeds by ethylene. Plant Physiol., 47 : 521-24.

Taylorson,R.B., Hendricks,S.B. (1979). Overcoming dormancy in seeds with ethanol and other anesthetics. Planta, 45(5) ; 507-510.

Tesche,M. (1975). Germination of conifer seeds under the conditions of stimulated drought stress in Polyethylene glycol (Lutrol). Biochem.Physiol.Pflanz. BPP 167(6) : 577-584.Illus.

Thornton,N.C. (1934). Factors influencing germination and development of dormancy in Cocklebur seed. Cont.Boyce. Thomson Inst. Pl. Res., 13 : 355.

Toole,V.K., Bailey,W.K. and Toole,E.H. (1964). Factors influencing dormancy of peanut seeds. Plant Physiol., 39 : 882-92.

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

- Vacha,G.A. and Harvey,R.B. (1927). The use of ethylene Propylene and similar compounds in breaking the rest period of tubers, bulbs, cuttings and seed. Plant Physiol., 2 : 187-194.
- Wareing,P.F. and Sounders,P.F. (1971). Hormones and dormancy. Annu.Rev.Plant Physiol., 22 : 261-88.
- Whyte,R.G., Q.Nilson,Leissnah and H.C.Trumble (1953). F.A.O. Agrl. studies. Legumes in Agriculture, Rome, 21 : 367.
- Wood Stock, L.W. (1969). Seedling growth as a measure of seed vigor. Proc.Int.Seed Test.Ass., 34 : 273-280.
- Wood Stock, L.W. and Combs,M. (1961). M.F. "Application of the respiration test for seed vigor in peas". Proc.Ass. Off Seed analysts. N.Am., 57 : 144-148.
- Wan, Harold, J.Savory, Diane, Rand Bal Aryak (1979). Germination studies of back apple (Cloud berry) seeds. Can.J.Plant Sci., 59(1) : 69-74.