

REFERENCES

- Ajmal, S. and M. Iqbal 1987a. Annual rhythms of cambial activity in Streblus asper. IAWA Bull. 8: 275-283.
- Ajmal, S. and M. Iqbal 1987b. Seasonal rhythms of structure and behaviour of vascular cambium in Ficus rumphii. Ann. Bot. 60: 649-656
- Aloni, R. 1980. Role of auxin and sucrose in the differentiation of sieve and tracheary elements in plant tissue cultures. Planta 150: 255-263.
- Aloni, R. 1987. Differentiation of vascular tissues. Ann. Rev. Pl. Physiol. 38 179-204.
- Aloni, R., T. Tollier and B. Monties 1990. The role of auxin and gibberellin in controlling lignin formation in primary phloem fibres and in xylem of Coleus blumei stems. Plant Physiol 94: 1743-1747.
- Alvim, P. De.T. 1964. Tree growth and periodicity in tropical climate. In The Formation of Wood in Forest Trees. M.H Zimmermann (Ed). pp 479-495 Academic Press, New York.
- Amobi, C.C. 1973. Periodity of wood formation in some trees of lowland rain forest in Nigeria. Ann. Bot. 37: 211-218.
- Amobi, C.C. 1974. Periodicity of wood formation in twigs of some tropical trees in Nigeria. Ann. Bot. 38: 931-936.
- Anand, S.K., V.S. Sajwan and G.S. Paliwal 1978. Size correlation among the cambium and its derivatives in Dalbergia sissoo. J. Indian Bot Soc 57 16-24.
- Antonova, G.F. and V.V. Stasova 1988. Formation and development of tracheids in the annual rings of Larix sibirica stem wood. Bot. Zhur. 73: 1130-1140.
- Badola, H.K., S.P. Paliwal and G.S. Paliwal 1989. Dormancy and spring activation of cambium in some Himalayan tree species, In: Second Pacific Regional Wood Anatomy Conference. October 15-21, 1989. College Laguna, Philippines. IAWA Bull. 10: 334.
- Bailey, I.W. 1923. The cambium and its derivative tissues. IV The increase in girth of the cambium. Amer. J. Bot. 10: 499-509.

- Bailey, I.W. 1930. The cambium and its derivative tissues V. A reconnaissance of the vacuome of living cells. *Zellforsch Mikrosk Anat.* 10: 651-682
- Bannan, M.W. 1953. Further observations on the reduction of fusiform cambial cells of Thuja occidentalis L. *Can. J. Bot.* 31: 63-74.
- Barghoorn, E.S. 1964. Evolution of cambium in geological time. In: *Formation of Wood in Forest Trees* (Ed.) M.H. Zimmermann pp 3-17. Academic Press, New York.
- Barnett, J.R. and J.M. Harris 1975. Early stages of bordered pit formation in radiata pine. *Wood Sci. Technol.* 9: 233-241.
- Barnett, J.R. 1981. Secondary xylem cell development. In: *Xylem cell development*. J.R. Barnett (Ed). pp. 47-95. Castle House Publication Ltd., Kent, UK.
- Berlyn, G.P. and J.P. Miksche 1976. *Botanical Microtechnique and Cytochemistry*. The Iowa State Univ. Press, Ames, Iowa.
- Catesson, A.M. 1964. Origine, fonctionnement et variations cytologiques saisonnières du cambium de 1 Acer pseudoplatanus L. (Aceraceae). *Ann. Sci. Nat. (Bot.)* 12e Ser. 5: 229-498.
- Catesson, A.M. 1974. Cambial cells. In: *Dynamic Aspects of Plant Ultrastructure*. A.W. Robards (Ed.). pp. 358-386. Mc Graw Hill Book Company (U.K.) limited, England.
- *Chalk, L. 1930. The formation of spring and summer wood in ash and fir Oxford Forest. *Mem.* 10: 1-44.
- Chavan, R.R. 1981. Systematic anatomy of secondary phloem in dicots. Ph.D Thesis, Sardar Patel University, Vallabh Vidyanagar.
- Chavan, R.R., J.J. Shah and K.R. Patel 1983. Isolated sieve tube(s)/elements in the bark of some Angiosperms. *I.A.W.A. Bull. n.s.* 4: 255-263.
- Chattaway, M.M. 1936. The relation between fibre and cambial initial length in dicotyledonous wood. *Trop. Woods.* 46: 16-20.
- Cheadle, V.I., E.M. Gifford Jr. and K. Esau 1953. A staining combination for phloem and contiguous tissues. *Stain Technol.* 28: 49-53

- Chou, T. and S.H.T. Chiang 1973. Seasonal changes of cambial activity in the young branch of Psidium guajava L. Taiwania 18: 35-41.
- Chowdhury, K.A. 1940. The formation of growth rings in Indian trees. Part III. Vol. II No.3. Indian forest records.
- Chowdhury, K.A. 1958. Extension and radial growth in tropical perennial plants in Proc. Delhi Univ. Sem. on Modern development of plant physiology pp 138-9.
- Chowdhury, K.A. 1961. Growth rings in tropical trees and taxonomy. 10th Pacific Sci. Congress, Honolulu, Hawaii.
- Chowdhury, K.A. 1969. Cambial activity in temperate and tropical trees. XI Int. Bot. Cong. Seattle. Abstract-32.
- Dave, Y. S. and K.S. Rao 1982a. Cambial activity in Mangifera indica L. Acta. Bot. Acad. Sci. Hung. 28 : 73-79.
- Dave, Y. S. and K.S. Rao 1982b. Seasonal activity of the vascular cambium in Gmelina arborea Roxb. IAWA Bull. 3 : 59-65.
- Davis, J. D. and R.F. Evert 1965. Phloem development in Celastrus scandens Amer. J. Bot. 53 : 616 (Abstr).
- Den Outer, R.W. 1986. Storied structure of secondary phloem. IAWA Bull n.s. 7: 47-51.
- Denne, M. P. and C. J. Atkinson 1987. Reactivation of vessel expansion in relation to bud break in sycamore (Acer pseudoplatanus) trees. Can J. For Res 17 1166-1174.
- Derr, Q. F. and R.F. Evert 1967. The cambium and seasonal development of phloem in Robinia pseudoacacia. Amer. J. Bot. 54 : 147-153.
- Deshpande, B.P. 1967. Initiation of cambial activity and its relation to primary growth in Tilia americana L. Ph.D. dissertation Univ. Wisconsin, Madison. Wisconsin.

- Deshpande, B.P. and T. Rajendrababu 1985. Seasonal changes in the structure of secondary phloem of Grewia tiliacifolia, a deciduous tree from India. Ann Bot. 56: 61-71.
- Digby, J. and P. F. Wareing 1966a. The effect of applied growth hormones on cambial division and the differentiation of cambial derivatives Ann Bot 30 539-548.
- Digby, J. and P. F Wareing 1966b. The relationship between endogenous hormone levels in plants and seasonal aspects of cambial activity Ann Bot 30:607-622.
- Dodd, J. D. 1948. On the shape of cells in the cambial zone of Pinus sylvestris L. Amer. J. Bot. 35:666-682.
- Eggler, W.A. 1955. Radial growth in nine species of trees in southern Louisiana Ecology 36 : 130-136.
- Eklavya, C. 1979. A technique for making CBB stained sections of paraffin and resin embedded tissue permanent. Ind. J. Bot. 2:73-75.
- Esau, K. 1948. Phloem structure in the grape vine and its seasonal changes. Hilgardia 18: 217-296.
- *Esau, K. 1969. The phloem. Hnadbuch der pflanzenanatomie vol 5 Gebr Borntraeger, Berlin.
- Esau, K. 1977. Anatomy of Seed Plants. 2nd ed. John Wiley, New York.
- Eschrich, W. 1953. Beitrage zur Kenntniss der Wundsiebrohrenentwicklung bei Impatiens holstii planta 43: 37-74.
- Essiamah, S. and W. Eschrich 1985. Changes of starch content in the storage tissues of deciduous trees during winter and spring. IAWA Bull. 6 : 97-106
- Evert, R.F. and T.T. Kozlowski 1967. Effect of isolation of bark on cambial activity and development of xylem and phloem in trembling aspen Amer J Bot. 54:1045-1055.
- Evert, R.F. 1984. Comparative structure of phloem. In : Contemporary Problems in Plant Anatomy. R.A. White (ed), Academic Press, London.

- Fahn, A. and C. Sarnet 1963. Xylem structure and annual rhythm of development in trees and shrubs of dessert. IV Shrubs. Bull. Res. Counc Israel 11: 198-209.
- Fahn, A., Y. Waisel and L. Benjamini 1968. Cambial activity in Acacia raddiana Savi. Ann. Bot. 32: 677-686.
- Fahn, A. 1990. Plant Anatomy. 4th ed. Pergamon Press Oxford, England
- *Fischer, A. 1884. Untersuchungen uber das Siebrohren-system der cucurbitaceen. Gebruder Borntraeger, Berlin.
- Forschner, W., V. Schmitt and A. Wild 1989. Investigations on the starch content and ultrastructure of spruce needles relative to the occurrence of novel forest decline. Bot. Acta. 102: 208-221.
- Fritts, H.C. 1976. Tree Rings and Climate. Academic Press, London.
- Furqan, M. and Z. Ahmad 1981. Ratio of ray and fusiform initials in the tree axis of Sterculia urens Roxb. at various height level. Indian J. Forestry 4: 293-295.
- Gersani, M. and T. Sachs 1990. Perception of gravity expressed by vascular differentiation. Plant Cell and Environ. 13: 495-498.
- Ghouse, A.K.M. and M. Yunus 1973. Some aspects of cambial development in the shoots of Dalbergia sissoo Roxb. Flora 162: 549-558.
- Ghouse, A.K.M. and M. Yunus 1974. A new record on the occurrence of stratified cambium in the family Mimosaceae. Geobios 1: 138
- Ghouse, A.K.M. and M. Yunus 1976. Ratio of ray and fusiform initials in the vascular cambium of certain leguminous trees. Flora 165: 23-28
- Ghouse, A.K.M. and S. Hashmi 1979. Cambium periodicity in Polyalthia longifolia. Phytomorphology 29: 64-67.
- Ghouse, A.K.M. and S. Hashmi 1983. Periodicity of cambium and the formation of xylem and phloem in Mimusops elengi L., an evergreen member of tropical India. Flora 173: 479-487.

- Glock, W.S. and S.R. Agerter 1962. Rainfall and Tree Growth. In: Tree Growth, Kozlowski T.T. (Ed), pp. 125-153, Academic Press, New York
- Goosen de Roo, L. and P.C. Van Spronsen 1978. Electron microscopy of the active cambial zone of Fraxinus excelsior L. IAWA Bull n.s. 4: 59-64.
- Halle, F., R.A.A. Oldman and P.B. Tamlinson 1978. Tropical Trees and Forests - An Architectural Analysis. Springer-Verlag. New York.
- *Hartig, T. 1853. Ueber die entwicklung des jahrrings der holzpflanzen. Bot Ztg. 11: 553-560 and 569-579.
- *Hartig, R. 1885. Holz der deutschen Nadelwald baume. Berlin (cited In: Trees structure and function. M.H. Zimmermann and C.L.Brown 1974. Ed) Springer Verlag New York.
- Hess, T. and T. Sach 1972. The influence of mature leaves on xylem differentiation. New Phytol. 71. 903-914.
- Hook, D.D. and C.L. Brown 1972. Permeability of the cambium to air in trees adapted to wet habitats. Bot. Gaz. 133: 304-310.
- Hook, D.D., C.L. Brown and R.H. Wetmore 1972. Aeration in trees Bot. Gaz 133: 443-454.
- Iqbal, M. and A.K.M. Ghouse 1983 An analytical study on cell size variation in some arid zone trees of India, Acacia nilotica and Prosopis spicigera IAWA Bull. n.s. 4: 46-52.
- Iqbal, M. and A.K.M. Ghouse 1985. Impact of climatic variation on the structure and activity of vascular cambium in Prosopis spicigera. Flora 177 147-156
- Iqbal, M. and A.K.M. Ghouse 1987. Anatomy of vascular cambium of Acacia nilotica (L) Del. Var. Telia Troup (Mimosaceae) in relation to age and season. Bot. J. Linn. Soc. 94: 385-397.
- Jensen, W.A. 1962. Botanical Histochemistry. W.H. Freeman & Co., San Francisco.
- Johansen, D A. 1940. Plant Microtechnique. McGraw-Hill. New York.

- Kerr, T. and I.W. Bailey 1934. The cambium and its derivative tissues. X Structure, optical properties and chemical composition of the so-called middle Lamella. J. Arnold Arbo. 25: 327-349.
- Kitin Pet, R. 1992. Dynamics of the cambial divisions in the early and late flushing forms of common oak Quercus robur f. Praecon czern and Quercus roburtardiflora (Zern) in the park of freedom Sofia Nauk Gorata 27: 3-13.
- Koriba, K. 1958. On the periodicity of tree growth in the tropics, with reference to the mode of branching, the leaf fall and formation of resting bud. Gard Bull. Singapore 17:11-81.
- Kozlowski, T.T. 1962. Photosynthesis, climate and tree growth. In . Tree Growth. T.T. Kozlowski (Ed) pp. 149-164. New York.
- Kozlowski, T.T. 1971. Growth and Development of Trees. Vol. II Academic Press, New York.
- Kozlowski, T.T. 1982. Water supply and tree growth. I. Water deficits For Abst. 43: 57-95.
- Krammer, P.J. and T.T. Kozlowski 1960. Physiology of Trees. McGraw-Hill. New York.
- Krammer, P.J. and T.T. Kozlowski 1979. Physiology of Woody Plants. Academic Press, New York.
- Krishnamurthy, K.V. and N.Venugopal 1983. A comparative study of vascular cambium and its derivatives in young and old stems of Dalbergia sissoo Roxb. S.B. Cl. News Letter. 2: 21-31.
- Larson, P.R. 1964. Contribution of different aged needles to growth and wood formation of young red pines. Forest Science. 12: 225.
- Larson, P.R. 1994. The Vascular Cambium, Development and Structure Springer-Verlag, Berlin.
- La Motte, C.E. and W.P. Jacobs 1962. Quantitative estimation of phloem regeneration in Coleus internodes. Stain Technol. 37: 63-73.

- Lawton, J.R.. 1972. Seasonal variations in the secondary phloem of some forest trees from Nigeria. II. Structure of the phloem. *New Phytol.* 71: 335-348
- Little, C.H.A. 1975. Inhibition of cambial activity in Abies balsamea by internal water stress. Role of abscisic acid. *Can. J. Bot.* 53: 3041-3050.
- Little, C.H.A. and P.F. Wareing 1981. Control of cambial activity and dormancy in Picea sitchensis by indole-3-acetic acid and abscisic acids. *Can. J. Bot.* 59: 1480-1493.
- Little, C.H.A. and R.A. Savidge 1987. The role of plant growth regulators in forest tree cambial growth. In : Hormonal Control of Tree growth. Proceedings of the physiology working group Technical session. Society of American Foresters National Convention, Birmingham, Alabama, USA, Oct. 6-9, 1986 (ed, Kosuth, S.V. and Ross, S.D.). Dordrecht, Netherlands: Martinus Nijhoff Publishers. pp. 137-169.
- Lu, C.Y. and S.H.T. Chiang 1975. Seasonal activity of the cambium in the young branch of Liquidambar formosana Hance. *Taiwania* 20: 32-47.
- Mazia, D., P.A. Brewer and M.A. Alfert 1953. The cytochemical staining and measurement of proteins with MBB. *Biol. Bull.* 104: 57-67.
- Metcalf, C.R. and L. Chalk 1983. Anatomy of the Dicotyledons. Vol II Wood structure and conclusion of the general introduction. Clarendon Press. Oxford.
- Paliwal, G.S. and N.V.S.R.K. Prasad 1970. Seasonal activity of cambium in some tropical trees. I. Dalbergia sissoo. *Phytomorphology* 20: 333-339.
- Paliwal, G.S., N.V.S.R.K. Prasad, V.S. Sajwan and S.K. Agarwal 1975. Seasonal activity of cambium in tropical trees. II. Polyalthia longifolia. *Phytomorphology* 25: 478-484.
- Paliwal, G.S., V.S. Sajwan and S.K. Agarwal 1976. Seasonal activity of cambium in some tropical trees. III. Salvadora persica L. *Acta. Soc. Bot. Pol.* XLV: 303-312.
- Paliwal, S.P. 1981. Organization, structure and seasonal behavior of cambium and its contiguous tissues in some Himalayan Trees. D Phil. Thesis Univ. of Garhwal, Srinagar.

- Paliwal, S.P. and G.S. Paliwal 1990a. Behaviour of vascular cambium in some Himalayan trees II: Quercus leucotrichophora Camus Ex Bahadur J Indian Bot. Soc. 69:129-137.
- Paliwal, S P. and G.S. Paliwal 1990b. Influence of climatic variations on the seasonal behaviour of the vascular cambium in some Himalayan trees III Rhododendron arboreum. Smith. Phytomorphology 403: 257-271
- Philipson, W.R., J.M. Ward and B.G. Butterfield 1971. The Vascular Cambium Its Development and Activity. Chapman & Hall, London.
- Priestly, J.H. 1930. Studies in the physiology of cambial activity. III. The seasonal activity of the cambium. New Phytol. 29: 316-354.
- Rajput, K.S. and K.S. Rao 1996. Structure of storied cambium in some tropical trees. J. Indian Bot. Soc. 75: (1-2) In Press.
- Rajput, K.S. and K.S. Rao 1997. Occurrence of sieve elements in Phloem rays IAWA Journal 18 : 197-201.
- Rao, K.S. 1981. Seasonal and ultrastructural studies in the cambium of some tropical trees. Ph.D. Thesis. Sardar Patel University, Vallabh Vidyanagar
- Rao, K.S. 1988. Cambial activity and developmental changes in ray initials of some tropical trees. Flora 181 : 425-434.
- Rao, K.S. and Y.S. Dave 1981. Seasonal variations in the cambial anatomy of Tectona grandis (Verbenaceae). Nord. J. Bot. 1: 535-542.
- Rao, K.S. and Y.S. Dave 1983. Seasonal variations in the vascular cambium of Holoptelea integrifolia (Ulmaceae) Beitr. Biol. Pflanzen 59 : 321-331.
- Rao, K.S. and Y.S. Dave 1984. Seasonal histochemical changes in the cambium of Tectona grandis L.f. and Gmelina arborea Roxb. Biol. Plantarum. 25. 241-245.
- Rao, K.S. and Y.S. Dave 1985. Developmental changes in the fusiform cambial cells of some tropical trees. Flora 177: 187-194.
- Rao, K.S. and A.R.S. Menon 1989. Histochemistry of cambium in Holoptelea integrifolia (Roxb). Planch and Mangifera indica L : Its seasonal changes Pak. J. Bot. 21: 81-87.

- Rao, K.S., K.S. Rajput and T. Srinivas 1996. Comparative structure of vascular cambium and its derivatives in some species of Sterculia Linn. IAWA Journal 17 : 311-318.
- Rao, K.S., T. Srinivas and K.S. Rajput 1996a. Seasonal cambial anatomy of young branches in cannon ball tree (Couroupita guianensis Aubl.) J. Tree Sci. 16: (In Press).
- Rao, K.S., T. Srinivas and K.S. Rajput 1996b. Seasonal anatomy of vascular cambium in young branches of Bombax ceiba Brume. Acta Botanica Indica 24 : 17-20.
- Robards, A.W. and P. Kidwai 1969. A comparative study of the ultrastructure of resting and active cambium of Salix fragilis L. Planta 84 : 239-249
- Reeve, R.M. 1951. Histochemical tests for polyphenols in plants tissues. Stain Technol. 26: 91-96.
- Sajwan, V.S. and G.S. Paliwal 1976. Occurrence of stratified cambium in Salvadora persica L. Curr. Sci. 45:267-268.
- *Sanio, K. 1873. Anatomie der gemeinen kiefer (Pinus sylvestris L.) Jahrb. Wiss Bot. 9 : 50-126.
- Savidge, A. 1989. Coniferin, a biochemical indicator of commitment to tracheid differentiation in conifers. Can. J. Bot. 67 : 2663-2668.
- Savidge, R.A. 1991. Seasonal cambial activity in Larix laricina saplings in relation to endogenous Indol-3-lyacetic acid, sucrose and coniferin. Forest Sci. 37 : 953-958.
- Savidge, R.A. 1993. Formation of annual rings in trees. In : Oscillations and Morphogenesis, L. Rensing (Ed), pp 343-363, Marcel Dekker, New York.
- Savidge, R.A. 1996. Xylogenesis, Genetic and environmental regulation - A review. IAWA J. 17: 269-310.
- Savidge, R.A. and P.F. Wareing 1981. Plant growth regulators and differentiation of vascular elements. In : Xylem Cell Development. J.R. Barnett (Ed.) PP 192-235. Castle House, Tunbridge wells, England.

- Savidge, R.A. and P.F. Wareing 1984. Seasonal cambial activity and xylem development in Pinus contorta in relation to endogenous IAA and ABA levels. Can. J. For. Res. 14: 676-686.
- Shah, J.J. and R.R. Chavan 1980. Analysis of dimensional interrelationship of sieve plates in some members of Asteraceae (Abstract) All India Symp. on current Research in plant sciences, Chandigarh
- Shah, J.J., G.M. Nair, Y.J. Thanki and L.L. Kothari 1983. Isolated sieve tubes in the fruit of Coccinia grandis (L) Voigt (Cucurbitaceae). Ann. Bot. 51 : 251-253.
- Sharma, D.D., H.K. Sharma and G.S. Paliwal 1979. Size correlation among cambial initials and their derivatives in Polyalthia longifolia Thw. Acta Soc. Bot. Pol. 48: 93-98.
- Shortle, W.C. and J. Bauch 1986. Wood characteristics of Abies balsamea in the New England compared to Abies alba from sites in Europe with decline problems. IAWA Bull. 7 : 375-387.
- Silva, E.A.M., L.A.R. Pereira, A.L. Pinheiro and R.S. Ramalho 1990. Seasonal variation in cambial activity of three forest species growing at Visconde Minas Gerais. Seiva 50 : 49-52.
- Sledge, W.A. 1930. The rooting of woody cutting considered from the stand point of Anatomy. J. Pomology and Hort. Sci. 8 : 1-22.
- Srinivas, T. 1996. Seasonal activity and histochemistry of cambium and its derivatives in some trees growing under the influence of air pollutants. Ph.D. Thesis, M.S. University of Baroda, Vadodara.
- Stewart, C.M. 1957. Status of cambial chemistry. Tappi 40 : 244-256
- Sundberg, B., C.H.A. Little and K. Cui 1990. Distribution of IAA and the occurrence of its alkali labile conjugates in the extraxylary region of Pinus sylvestris stems. Plant Physiology 93 : 1295-1302.
- Sundberg, B., C. H. A. Little, R.T. Riding and A. Sandberg 1987. Levels of endogenous IAA in the vascular cambium of Abies balsamea trees during the activity-rest-quiescence transition. Physiol. Plant. 71 : 163-170.

- Sundberg, B., C. H. A. Little., K. Cui and G. Sandberg 1991. Levels of endogeneous IAA in the stem of Pinus sylvestris in relation to the seasonal variation of cambial activity. *Plant Cell and Environment* 14 . 241-246
- Thanki, Y.J. 1978. Development and structure of some Cucurbitaceous Fruits Ph.D. Thesis, Sardar Patel University, Vallabh Vidyanagar.
- Timell, T.E. 1980. Organization and ultrastructure of the dormant cambial zone in compression wood of Picea abies. *Wood Sci. Technol.* 14 . 161-179
- Tsuda, M. and K. Shimaji. 1971. Seasonal changes of cambial activity and starch content in Pinus densiflora. Sieb. et Zucc. *J. Jap. For. Soc.* 53 . 103-107
- Venugopal, N. and K.V. Krishnamurthy 1987a. Seasonal production of secondary phloem in the twigs of certain tropical timber trees. *Ann Bot* 60 61-67
- Venugopal, N. and K.V. Krishnamurthy 1987b. Seasonal production of secondary xylem in the twigs of certain tropical trees. *IAWA Bull.* 8 . 31-39.
- Venugopal, N. and K.V. Krishnamurthy 1989. Organisation of vascular cambium during different seasons in some tropical timber trees. *Nord. J. Bot.* 8 : 631-638.
- Vishwakarma, A. 1991. Seasonal changes in the structure of the secondary phloem of Odina woderi Roxb. a deciduous tree. *J. Indian Bot Soc* 70 175-180.
- *Voegeli, H. and O. Reinhart 1956. Ergebnisse von Jähringmessungen aus gleichaltrigen. Föhrebeständen. *Schweiz Z. Forstwesen* 107 . 407-415
- Waisel, Y. and A. Fahn 1965. The effect of environment on wood formation and cambial activity in Robinia pseudoacacia. *New Phytol.* 64 : 436-442.
- Waisel, Y., N. Lipschitz and A. Fahn 1970. Cambial activity in Zygophyllum dumosum. *Ann Bot.* 34 : 409-414.
- Wareing, P.F. 1951. Growth studies in woody species. The initiation of cambial activity in ring porous species. *Physiol. Plant* 4: 546-562
- Wareing, P.F. and D.L. Roberts 1956. Photoperiodic control of cambial activity in Robinia pseudoacacia. *New Phytol.* 55 : 356-366.

- Wareing, P.F., C.E.A. Hanney and J. Digby 1964. The role of endogenous hormones in cambial activity and xylem differentiation. In : The Formation of Wood in forest trees. Zimmermann M.H. (Ed). Academic press New York. pp 323-344.
- Wilcox, H. 1962. Cambial Growth Characteristics. In . Tree Growth. Kozlowski, T.T (Ed.) pp. 57-88. Ronald Press, New York.
- Wodzicki, T.J. 1968. On the question of occurrence of indol-3-acetic acid in Pinus sylvestris. Amer. J. Bot. 55: 564-571.
- Yunus, M, D. Yunus and M. Iqbal 1978. On the cambial structure of some industrially important tropical trees. Flora 167: 159-163.
- Zahur, M.S 1959. Comparative study of secondary phloem of 423 species of woody dicotyledons belonging to 85 families. Cornell Univ. Agr. Exp. St. Mem. 358 : 1-160.
- Zhong, Y. and R.A. Savidge 1995. Manipulating wood and in particular lignin formation in one year old white ash cuttings using IAA and GA3. In Proc Plant Growth Regul. Soc. Am., 22nd ann. meet. 231-236. C.Fritz P.O Box 12014 Res. Triangle Park, NC.
- Zimmermann, M.H. and C.L. Brown 1974. Trees. Structure and Function. Springer Verlag, New York.

* Original not referred