

REFERENCES

- Abu-Asah, M.S. and P.D. Cantino. 1993. Phylogenetic implications of pollen morphology in tribe Ajugeae (Labiatae). *Syst. Bot.* 18 (1): 100-122.
- Agarwal, P.K. and R.P. Roy. 1976. Natural polyploids in Cucurbitaceae. I. Cytogenetical studies in triploid Momordica dioica. *Roxb. Caryologia* 29: 7-13.
- Ahmad, K.J. 1979. Taxonomic significance of epidermal characters in Acanthaceae. 135-160. In Khoshoo, T.N. and P.K.K. Nair. (Eds.) *Progress in Plant Research. Today and Tomorrow's Printers and Publishers. New Delhi.*
- Ahuja, M.R. 1955. Chromosome number of some plants. *Indian J. Genet. and Plt. Breed.* 15 (2):142-143.
- Albers, F. 1975. Pollen morphologic und chromosomenzahlen der Poaceae, subtribus Deschampsinae Holub. *Grana* 15: 7-17.
- Alyoshina, L.A. 1971. Palinologicheskie dannye k sistematike i filogenii semeistva Cucurbitaceae Juss. 5-103. In *Morphologiya Piltsy Cucurbitaceae, Thymelaeaceae, Cornaceae. Leningrad: Nauka.* (c.f. Jeffrey. 1980b).
- Andeweg, 1959. The breeding of non-bitter cucumbers. *Euphytica* 8: 13-20.
- Anghel, I. 1969. Studies on the cytology and evolution of Citrullus vulgaris. *Commun. Bot.* 11: 49-55.
- Araratian, A.G. 1939. *C.R. Acad. Sci. U.R.S.S.* 25: 777. (c.f. Darlington and Wylie. 1955).
- Asana, J.J. and R.N. Sutaria. 1932. Microsporogenesis in L. aegyptiaca. *Mill. J. Indian Bot. Soc.* 11: 181-187.
- Ashizawa, M. and S. Yamato. 1965. Soviet melon. *Agric. Hortic.* 40: 1355-1361. (c.f. Mallick and Masui. 1986).
- Auquier, P. and R. Renard. 1975. Nombres chromosomiques de quelques Angiospermes du Rwanda. Burundi et Kivu (Zaire)-I. *Bull. Jard. Bot. Nat. Belg.* 45: 421-445. (c.f. Goldblatt. 1981).
- Awasthi, P. 1962a. Palynological investigations of Cucurbitaceae. Part.II. *Proc. Natn. Inst. Sci. India. B.* 28 (5): 485-496.

- Awasthi, P. 1962b. On the morphology of the pollen grains of two species of Cucurbita L. *Pollen et Spores* 4 (2): 263-268.
- Ayala-Nieto, M.L., R.L. Saade and J.L. Alvarado. 1988. Morfologia polinica de las Cucurbitaceae de la peninsule de Yucatan, Mexico. *Pollen et Spores* XXX (1):5-28.
- Ayyangar, K.R. 1967. Taxonomy of Cucurbitaceae. *Bull. Nat. Inst. Soc. India* 34: 380-396.
- Ayyangar, K.R. 1969. Studies in the cytomorphology and cytotaxonomy of South Indian Cucurbitaceae. Annamalai Univ. Publ. Annamalai Nagar.
- Ayyangar, K.R. 1976a. Karyotaxonomy, karyogenetics and karyogeography of Cucurbitaceae. *Aspects Pl. Sci.* 2: 85-116. Today and Tomorrow's Printers and Publishers, New Delhi.
- Ayyangar, K.R. 1976b. Palynological highlights of Cucurbitaceae. 54-59. In Nair, P.K.K. (Ed.) *Pollen morphology of some cultivated Angiosperms. II.* Today and Tomorrow's Printers and Publishers, New Delhi.
- Ayyangar, K.R. 1978. Palynology: A Reverie. 1-19. In Nair, P.K.K. (Ed.) *Advances in Pollen-Spore Research IV.* Today and Tomorrow's Printers and Publishers, New Delhi.
- Ayyangar, K.R. 1983. On the meiotic disparity between two cultivars of Cucumis melo Linn. *Proc. Indian Sci. Congr. Assoc.* 70 (3-VI):79.
- Ayyangar, K.R. and R. Sampath Kumar. 1978. On the chiasma specificity in the genus Momordica. *Proc. 65th Indian Sci. Congr. Part 3*: 107.
- Banerji, I. and M.C. Das. 1937. The development of the microspores in Trichosanthes dioica Roxb. *Indian J. Agric. Sci.* 7: 497-510.
- Baqar, S.R., S. Akhtar and A. Hussain. 1965. Meiotic chromosome numbers in some vascular plants of Indus Delta I. *Bot. Not.* 118(3): 289-298.
- Baranova, M. 1972. Systematic anatomy of the leaf epidermis in the Magnoliaceae and some related families. *Taxon* 21: 447-469.
- Baranova, M. 1992. Principles of comparative stomatographic studies of flowering plants. *Bot. Rev.* 58 (1):49-99.
- Barthlott, W. 1981. Epidermal and seed surface characters of plants: systematic applicability and some evolutionary aspects. *Nordic. J. Bot.* I: 345-355.

- Batra, S. 1952. Induced tetraploidy in muskmelons. *J. Hered.* 43: 141-148.
- Bennett, L.S. 1936. Studies on the inheritance of resistance to wilt (*Fusarium niveum* in watermelon). *J. Agric. Res.* 53: 295-306.
- Bennett, M.D. 1984. The genome, the natural karyotype and biosystematics. 41-66. In Grant, W.F. (Ed.) *Plant Biosystematics*. Academic Press. Toronto.
- Bentham, G. and J.D. Hooker. 1867. *Genera Plantarum*, I. 816-841. Reeve, London.
- Bessis, J. and M. Guyot. 1979. An attempt to use stomatal characters in systematic phylogenetic studies of the Solanaceae. 321-326. In Hawkes, J.G., R.N. Lester and A.D. Skelding. (Eds.) *The Biology and Taxonomy of the Solanaceae*. Academic Press, London.
- Bhaduri, P.N. and P.C. Bose. 1948. Cytogenetical investigations in some common cucurbits, with special reference to fragmentation of chromosomes as a physical basis of speciation. *J. Genet.* 48: 237-256.
- Bhar, N.C. and K.B. Datta. 1981. Giemsa banding pattern in *Coccinia grandis* (L.) Voigt. *Proc. Indian Sci. Congr. Assoc.* 68.(Sect.VI):96.
- Bhar, N.C. and K.B. Datta. 1982. Cytomorphological studies in diploid and induced tetraploid of *Coccinia grandis* (L.) Voigt. *Proc. Indian Sci. Congr. Assoc.* 69 (3-VI): 216.
- Bir, S.S. and M. Sidhu. 1974. In IOPB chromosome number reports. XLIV. *Taxon* 23: 373-380.
- Bir, S.S. and M. Sidhu. 1975. Weed flora of cultivable lands in Punjab maize fields in Patiala District. *Acta Botanica Indica* 3: 136-141.
- Bir, S.S. and M. Sidhu. 1979. Cytological observations in weed flora of orchards of Patiala District, Punjab. *Recent Res. Pl. Sci.* (New Delhi) 7: 261-271.
- Bir, S.S. and M. Sidhu. 1980a. Cytopalynological studies on weed flora of cultivable lands of Patiala District (Punjab). *J. Palynol.* 16: 85-105.
- Bir, S.S. and M. Sidhu. 1980b. Cytological observations on weed flora of orchards of Patiala District, Punjab. 261-271. Bir, S.S. (Ed.) *Recent Researches in Plant Sciences*. Kalyani Pub. Ludhiana. India.

- Bose, C.M. and N.C. Nair. 1988. Flora of Coimbatore. Bishan Singh, Mahendra Pal Singh (Eds.) 23-A New Connaught Place. Dehra Dun.
- Brandham, P.E. and D.F. Cutler. 1978. Influence of chromosome variation on the organisation of the leaf epidermis in a hybrid Aloe (Liliaceae). Bot. J. Linn. Soc. 77: 1-16.
- Castetter, E.F. 1926. Cytological studies in the Cucurbitaceae. I. Microsporogenesis in C. maxima. Am. J. Bot. 13: 1-10.
- Castetter, E.F. 1930. Species crosses in the genus Cucurbita. Am. J. Bot. 17: 41-57.
- Chakravarty, H.L. 1959. Monograph on Indian Cucurbitaceae (Taxonomy and Distribution). Records of the Botanical Survey of India. XVII (1). The Manager of Publications, New Delhi.
- Chakravarty, H.L. 1982. Cucurbitaceae. 1-126. In Fascicles of Flora of India. Fascicle II. Botanical Survey of India. Howrah.
- Chakravorti, A.K. 1948. Cytology of Coccinia indica W. & A, with reference to the behaviour of its sex chromosomes. Proc. Indian Acad. Sci. Sect. B, 27(3): 74-86.
- Chanda, S. and K. Ghosh. 1976. Pollen morphology and its evolutionary significance in Xanthorrhoeaceae. 527-559. In Ferguson, I.K. & J. Muller (Eds.) Linn. Soc. Symp. Series 1. Academic Press INC (London) Ltd.
- Chandola, R.P., M.P. Bhatnagar and I. Tokuta. 1965. Cytological studies of some varieties of musk melon with special reference to their relationship. Cytologia 30 (3): 252-259.
- Chandola, R.P., S. Sethi, C.P. Bhatnagar and C.S. Mathur. 1975. Pollen studies in Citrullus lanatus Thunb. and Mansf. and their hybrids. Sci. Cult. 41 (7): 340-342.
- Chatterjee, D. and G.S. Randhawa. 1952. Standard names of cultivated plants in India. II. cereals, pulses, vegetables and spices. Indian J. Hort. 9(4): 64-84.
- Chopra, S.K. 1972. Cucurbitaceae. 95-130. In Palynological investigation of some vegetable crops. Ph.D Thesis. Univ. Agra.
- Chuang, T.I., C.Y. Chao., W.W.L. Hu and S.C. Kwan. 1963. Chromosome numbers of the vascular plants of Taiwan. I. Taiwania 1: 51-66.
- Cilliers, C.S. 1992. Pollen morphology and its taxonomic value in Brachylaena (Asteraceae) in Southern Africa. South Afr. J. of Bot. 57 (6): 325-330.

- Clarke, C.B. 1879. Cucurbitaceae. 604-635. In Hooker, J.D. The Flora of British India. 2. L. Reeve and Co. London.
- Cogniaux, A. 1881. (c.f. Clarke. 1879).
- Cogniaux, A. and H. Harms. 1924. Cucurbitaceae, Cucurbiteae-Cucumerinae in Engler's Das Pflanzenreich. 4. 275, II: 1-246. Leipzig.
- Covas, G. and B. Schnack. 1946. Rev. argent. Argon. 13:153. (c.f. Darlington and Wylie. 1955).
- Cronquist, A. 1988. The evolution and classification of flowering plants. The Newyork Botanical Garden. New York.
- Cutler, D.F. 1972. Leaf anatomy of certain Aloe and Gasteria species and their hybrids. In A.K.M. Ghouse and M. Yunus. (Eds.) "Research Trends in Plant Anatomy - K.A. Chowdhury Commemoration Volume". Tata Mc Graw - Hill. New Delhi.
- Cutler, D.F. 1984. Systematic Anatomy and Embryology - Recent Developments. 107-132. In Heywood, V.H. and D.M. Moore (Eds.) Current Concepts in Plant Taxonomy. Academic Press. London and Orlando.
- Dane, F. and T. Tsuchiya. 1976. Chromosome studies in the genus Cucumis. Euphytica 25: 367-374.
- Dane, F. and T. Tsuchiya. 1979. Meiotic chromosome and pollen morphological studies of polyploid Cucumis species. Euphytica 28: 563-567.
- Dane, F., D.W. Denna and T. Tsuchiya. 1980. Evolutionary studies of wild species in the genus Cucumis. Z. Pflanzenzuchtg 85: 89-109.
- Dane-Kloen, F. 1976. Evolutionary studies in the genus Cucumis. Diss. Colorado Univ. (c.f. Kroon et al. 1979).
- Darlington, C.D. and W.F. Wylie. 1955. Chromosome Atlas of Flowering Plants. George Allen and Unwin Ltd., London.
- Das, M.C. 1933. Chromosome number and development of embryosac in I. dioica Roxb. Proc. 20th Indian Sci. Congr. Part III: 313.
- Das, H.C., G.S. Randhawa and M. Kaur. 1974. Phylogenetic studies in Cucumerinae by leaf phenolics. Nucleus XVII (11): 103-109.
- Datta, S.K. and R.K. Basu. 1978. Cytomorphological, biochemical and palynological studies in Trichosanthes anguina L. and I. cucumarina L. Cytologia 43: 107-117.

- Deakin, J.R., G.W. Bohn and T.W. Whitaker. 1971. Interspecific hybridization in Cucumis. *Econ. Bot.* 25(2): 195-211.
- De Candolle, A. 1882. *Origin of Cultivated Plants*. Hafner publishing Co. New York.
- Delay, C. 1947. Recherches sur la structure des noyaux quiscents Chez les phanerogames. *Rev. cytol. et. cytophysiol. veg.* 9 (1-4): 169-222.
- Desai, M. J. 1992. Organographic stomatal studies in some Indian species of Cucurbitaceae. *Feddes Repert.* 103 (1-2):107-110.
- De Wet, J.M.J. 1971. Polyploidy and evolution in plants. *Taxon* 20: 29-35.
- De Wet, J.M.J. 1980. Origins of polyploids. 3-15. In Lewis, W.H. (Ed.) *Polyploidy, Biological relevance*. Plenum Press, New York and London.
- De Wet, J.M.J. 1981. Species concepts and systematics of domesticated cereals. *Kulturpflanze.* 29: 177-198.
- De Wet, J.M.J. and J.R. Harlan. 1970. Apomixis, polyploidy and speciation in Dichanthium. *Evolution* 24: 270-277.
- Doaigey, A.R. and K.J. Harkiss. 1991. Application of epidermal characters to the taxonomy of European species of Antirrhinum (Scrophulariaceae). *Nordic. J. Bot.* 11 (5): 513-524.
- Dutt, B. and R.P. Roy. 1969. Cytogenetical studies in the interspecific hybrid of Luffa cylindrica L. and L. graveolens. Roxb. *Genetica* 40: 7-18.
- Dutt, B. and R.P. Roy. 1971. Cytogenetic investigations in Cucurbitaceae. I. Interspecific hybridization in Luffa. *Genetica* 42: 139-156.
- Dutt, B. and R.P. Roy. 1976. Cytogenetic studies in an experimental amphidiploid in Luffa. *Caryologia* 29 (1): 15-25.
- Ehrendorfer, F. 1980. Polyoploidy and distribution. 45-60. In Lewis, W.H. (Ed.) *Polyploidy, Biological Relevance*. Plenum Press, New York and London.
- Ehrendorfer, F., F. Krendl, E. Habeler and W. Sauer. 1968. Chromosome number and evolution in primitive angiosperms. *Taxon* 17: 337-353.

- Erdtman, G. 1952. Pollen Morphology and Plant Taxonomy/Angiosperms. Almqvist and Witsell. Stockholm.
- Erdtman, G. 1964. On classification of pollen grains and spores. *Palynol. Bull.* 1.
- Erwin, A.T. and E.S. Haber. 1930. Species and varietal crosses in cucurbits. *Bull. Agric. Expt. Stalowa* 263: 343-472.
- Fedorov, A.N. (Ed.) 1969. Chromosome Numbers of Flowering Plants. Acad. Sci. USSR. Komarov Bot. Inst. Leningrad.
- Fischer, H. 1890. Beitrage zur vergleichenden morphologie der Pollen korner. Breslau (Thesis). (c.f. Walker and Doyle. 1975).
- Fryns-Classens, E. and W. Van Cotthem. 1973. A new classification of the ontogenetic types of stomata. *Bot. Rev.* 39(1): 71-138.
- Fursa, T.B. and I.P. Gavryiluk. 1990. Phylogenetic relations in the genus Citrullus Schrad. according to data from immunochemical analysis of the seed proteins. *Sbornik Nauchnykh Trudov Prikladnoi Botanike. Genetikei selektsii.* 133: 19-26.
- Gamble, J.S. 1919. Cucurbitaceae in the Flora of the Presidency of Madras. II. *Bot. Surv. India.* 1: 371-383. Calcutta.
- Gbile, Z.O. 1986. Epidermal studies in the Solanum nigrum complex in Nigeria. 159-168. In D'Arcy, W.G. (Ed.) *Solanaceae, Biology and Systematics.*
- Gentry, A.H. and A.S. Tomb. 1979. Taxonomic implications of Bignoniaceae. *Ann. Miss. Bot. Gard.* 66 (4): 756-777.
- Gill, L.S. and Y.Y. Karatela. 1982. Epidermal structure and stomatal ontogeny in some Nigerian Cucurbitaceae. *Willdenowia* 12: 303-310.
- Goldblatt, P. 1980. Polyploidy in angiosperms. Monocotyledons. 219-239. In Lewis, W.H. (Ed.) *Polyploidy, Biological relevance.* Plenum Press, New York and London.
- Goldblatt, P. (Ed.) 1981. Index to plant chromosome numbers. 1975-1978. Missouri Botanical Garden.
- Goldblatt, P. (Ed.) 1984. Index to plant chromosome numbers. 1978-81. Missouri Botanical Garden.
- Goldblatt, P. (Ed.) 1985. Index to plant chromosome numbers. 1982-1983. Missouri Botanical Garden.

- Goldblatt, P. (Ed.) 1988. Index to plant chromosome numbers. 1984-1985. Missouri Botanical Garden.
- Gottschalk, W. 1978. Open problems in polyploidy research. *Nucleus* 21 (2): 99-112.
- Graham, A., S.A. Graham, J.A. Nowicke, V. Patel and S.Lee. 1990. Palynology and systematics of the Lythraceae. III. Genera Physocalymma through Woodfordia, Addenda and conclusions. *Amer. J. Bot.* 77(2): 159-177.
- Grant, C.A. 1972. A scanning electron microscopy survey of some Maydeae pollen. *Grana* 12: 177-184.
- Grayum, M.H. 1986. Correlations between pollination biology and pollen morphology in the Araceae with some implications for angiosperm evolution. 313-327. In Ferguson I.K. and Blackmore. S. (Eds.) *Pollen and Spores. Form and Function*. Elsevier Press. London.
- Groff, 1966. A cytogenetic study of microsporogenesis in selected Cucurbita species. Ph.D. dissertation, Univ. of Arizona, Tusdon, U.S.A. (c.f. Singh. 1979).
- Guisti, L., M. Resnik, T. Ruiz and A. Grau. 1978. Notas acerca de la Bidogia de Sechium edule (Jacq.) Swart. (Cucurbitaceae). *Lilloa* 35: 5-13.
- Gupta, M. and Y.S. Murty. 1977. Trichomes in Trifolieae. *Proc. Indian. Acad. Sci.* 85. Sect. B (2):77-89.
- Guyot, M . 1971. Phylogenetic and systematic value of stomata of the Umbelliferae. *Bot.J. Linn. Soc. (Suppl.I)* 64: 199-214.
- Hagerup, O. 1932. Uber polyploidie in Beziehung zu klima okologie und phylogenie (chromosomenznal aus Timbatn). *Hereditas* 16 (1-2): 19-40. (c.f. Fedorov. 1969).
- Hardas, M.W. and A.B. Joshi. 1954. A note on the chromosome numbers of some plants. *Indian J. Genet. & Plt. Breed.* 14: 47-49.
- Heath, O.V.S. 1959. The water relations of stomatal cells and the mechanism of stomatal movement. 193-250. In Steward, F.C. (Ed.) *Plant Physiology*. New York. Academic Press.
- Heimlich, L.F. 1927. Microsporogenesis in the cucumber. *Proc. Nat. Acad. Sci. U.S.A.* 13: 113-115.
- Heiser, C.B. and E.E. Schilling. 1988. Phylogeny and distribution of Luffa (Cucurbitaceae). *Biotropica* 20(3): 185-191.

- Heiser, C.B. and E.E. Schilling. 1990. The genus Luffa. A problem in phytogeography. 120-133. In Bates, D.M.; R.W. Robinson and C. Jeffrey. (Eds.) Biology and Utilization of the Cucurbitaceae. Cornell Univ. Press. Ithaca. New York.
- Heiser, C.B., E.E. Schilling and B. Dutt. 1988. The American species of Luffa (Cucurbitaceae). Syst. Bot. 13(1): 138-145.
- Henderson, D.M. 1972. The hybrid pollen of Meconopsis cookeri. Grana 12(1): 52-56.
- Heslop-Harrison, J. 1972. Patterns in plant cell walls: morphogenesis in miniature. Proc. R. Inst. G.B. 45: 325-352.
- Heslop-Harrison, J. 1976. The adaptive significance of the the exine. 27-37. In Ferguson, I.K. and J. Muller. (Eds.) The evolutionary significance of the exine. Linn. Soc. Symp. Series 1. Academic Press INC. (London) Ltd.
- Hindakova, M. 1978. In index of chromosome number of Slovakian flora part.6. Acta Fac. Rerum Nat. Univ. Comeniana, Bot. 26: 1-42. (c.f. Goldblatt. 1981).
- Hsu, C.C. 1968. Preliminary chromosome studies on the vascular plants of Taiwan (1). Taiwania 13: 117-130.
- Hutchinson, J. 1967. Cucurbitales. 376-426. In The Genera of Flowering Plants (Angiosperms) Dicotyledons II. Clarendon Press.
- Imazu, T. and N. Fujishita. 1959. Cucumbers, Land and Crops of Nepal, Himalaya. 2: 213-228.
- Islam, A. S. and B. Saha. 1951. Chromosome number of Gymnopetalum cochinchinensis Kurz. Curr. Sci. 20: 322-333.
- Islam, A.S., M. Haque and Z. Khanam. 1974. Colchiploidy in Irichosanthos dioica Roxb., in an attempt to produce seedless fruits. Bangladesh J. Bot. 3(2): 59-65.
- Jain, D.K. 1978. Studies in Bignoniaceae. II. Foliar epidermal structures. J. Indian Bot. Soc. 57: 161-174.
- Jain, R.K. and S. Nanda. 1967. Pollen morphology of some desert plants of Pilani, Rajasthan. Palynol. Bull. 2: 56-69.
- Janaki Ammal, E.K. 1955. (c.f. Darlington and Wylie. 1955).
- Jeffrey, C. 1964. A note on pollen morphology in Cucurbitaceae. Kew Bull. 17: 473-477.

- Jeffrey, C. 1978. Further notes on Cucurbitaceae. IV. Some new world taxa. Kew Bull. 33: 347-380.
- Jeffrey, C. 1980a. Further notes on Cucurbitaceae V. The Cucurbitaceae of the Indian subcontinent. Kew Bull. 34(3): 789-809.
- Jeffrey, C. 1980b. A review of the Cucurbitaceae. Bot. J. Linn. Soc. 81: 233-247.
- Jeffrey, C. 1990. Appendix: an outline classification of the Cucurbitaceae. 449-463. In Bates, D.M., R.W. Robinson and C. Jeffrey. (Eds.) Biology and Utilization of the Cucurbitaceae. Cornell Univ. Press. Ithaca, New York.
- Jones, K. 1970. Chromosome changes in plant evolution. Taxon 19: 172-179.
- Jones, K. 1984. Cytology and Biosystematics: 1983. 25-30. In Grant, W.F. (Ed.) Plant Biosystematics. Academic Press. Toronto.
- Joshi, C.P. and P.K. Ranjekar. 1982. Visualization and distribution of heterochromatin in interphase nuclei of several plant species as revealed by a new giemsa banding technique. Cytologia 47: 471-480.
- Kanta, S. and S.V. Nageswara Rao. 1991. Palynological studies of a few genera of Cucurbitaceae of Hyderabad. In Progress in Palynology of Tropical India (Abstracts) 25-26.
- Keraudren, M. 1968. Recherches sur les Cucurbitacees de Madagascar. Mem. Mus. Natl. Hist. Nat. Ser. B. Botanique. Paris. 16: 127-330. (c.f. Jeffrey. 1980b).
- Khoshoo, T.N. 1955. Cytotaxonomy of Indian species of Citrullus. Curr. Sci. 24: 377-378.
- Khoshoo, T.N. and S.P. Vij. 1963. Biosystematics of Citrullus vulgaris var. fistulosus. Caryologia 16: 541-552.
- Kho, Y.O., A.P.M. Den Nijs and J. Franken. 1980. Interspecific hybridization in Cucumis L. 2. The crossability of species, an investigation of invivo pollen tube growth. Euphytica 29: 661-672.
- Kihara, H., Y. Yamamoto and S. Hosono. 1931. A list of chromosome numbers of plants cultivated in Japan. Chokobutsu Senshokutaisu no Kenkyu (Tokyo):193-330.
- Klitgard, B.B. and I.K. Ferguson. 1992. Pollen morphology of Browneopsis (Leguminosae, Caesalpinioideae), and its evolutionary significance. Grana 31(4): 285-290.

- Koshuchow, Z.A. 1925. (c.f. Fedorov. 1969).
- Koshuchow, Z.A. 1930. (c.f. Fedorov. 1969).
- Koshuchow, Z.A. 1934. (c.f. Fedorov. 1969).
- Koshy, J.K. 1986. Cytological and palynological investigations on the South Indian members of the Parietales. Ph.D. Thesis, Univ. Kerala.
- Kroon, G.H., J.B.M. Custers, Y.O. Kho, A.P.M. Den Nijs and H.Q. Varekamp. 1979. Interspecific hybridization in Cucumis(L.) I. Need for genetic variation, biosystematic relations and possibilities to overcome crossability barriers. *Euphytica* 28: 723-728.
- Kumar, L.S.S. and Vishveshwaraiiah. 1951. Chromosome numbers of some wild cucurbits. *Curr. Sci.* 20 (8): 211.
- Kumar, L.S.S. and S. Vishveshwaraiiah. 1952. Sex mechanism in C. indica. *Wight & Arn. Nature* 170: 330-331.
- Kuprianova, L.A. 1967. Apertures of pollen grains and their evolution in angiosperms. *Review of Palaeobot. and Palynol.* 73-80. Elsevier Publishing Company. Amsterdam. Netherlands.
- Kuprianova, L.A. 1969. On the evolutionary levels in the morphology of pollen grains and spores. *Pollen et Spores* 11(2): 333-351.
- Kuprianova, L.A. 1974. On the evolutionary levels in the morphology of pollen and spores. 31-49. In Nair, P.K.K. (Ed.) *Advances in Pollen Spore Research. I. Today and Tomorrow's Printers and Publishers.* New Delhi.
- Kuriachan, P and S.S. Beevy. 1992. Occurrence and chromosome number of C. sativus var. hardwickii in South India and its bearing on the origin of cultivated cucumber. *Euphytica* 61: 131-133.
- Kurita, M. 1939. Geschlechtschromosomen bei Trichosanthes multiloba Miqu. und Chromosomenzahlen bei einigen anderen Arten von Cucurbitaceen. *Bot. Mag. (Tokyo)*, 53: 505-510. (c.f. Fedorov. 1969).
- Lauber, H. 1947. Untersuchungen unter das Wachstum der Frucht einiger Angiospermen unter endomitotischer polyploidisierung. *Osterr. Bot. Zeitschr.* 94(1-2): 30-60.
- Leelavathi, P., N. Ramayya and M. Prabhakar. 1980. Foliar stomatal distribution patterns in Leguminosae and their taxonomic significance. *Phytomorphology* 30: 195-204.

- Leppik, E. 1966. Searching gene centres of the genus Cucumis through host-parasite relationship. *Euphytica* 15: 323-328.
- Lewis, W.H. 1964. Oldenlandia corymbosa (Rubiaceae). *Grana Palynol.* 5(3): 330-341.
- Lewis, W.H. 1965. Cytopalynological study of African Hedyotideae (Rubiaceae). *Ann. Miss. Bot. Gard.* 52: 182-211.
- Lewis, W.H. 1966. Chromosome numbers of Oldenlandia corymbosa (Rubiaceae) from Southeastern Asia. *Ann. Miss. Bot. Gard.* 53: 257-258.
- Lewis, W.H. 1980a. Polyploidy in plant evolution: Summary. 145-147. In Lewis, W.H. (Ed.) *Polyploidy, Biological relevance*. Plenum Press, New York and London.
- Lewis, W.H. 1980b. Polyploidy in angiosperms: Dicotyledons. 241-268. In Lewis, W.H. (Ed.) *Polyploidy, Biological relevance*. Plenum Press, New York and London.
- Lewis, W.H. 1980c. Polyploidy in species populations. 103-144 In Lewis, W.H. (Ed.) *Polyploidy, Biological relevance*. Plenum Press, New York and London.
- Lira, R. and J.L. Alvarado. 1991. Palynological study in Sechium (Cucurbitaceae) and its allies. *Am. J. Bot. (Suppl.)* 78(6): 233.
- Li, R.Q., Z.S. Zeng and A. J. Huang. 1985. Karyotype studies and observation on ploid variation in four cucumber cultivars (Cucumis sativus L.). *J. Wuhan Bot. Res. (Wuhan Zhiwuxue Yanjou)* 3(4): 443-449. (c.f. Goldbaltt. 1988).
- Macchia, F. and G. Pacucci. 1961. Sul numero cromosomico del Cucumis coltivato nelle Puglie con il nome di 'carosello'. *Caryologia* 14: 151-153.
- Malla, S.B., H. Saiju, M. Gorkhali and M.P. Singh. 1977. In IOPB chromosome number reports. LVI. *Taxon* 26: 257-274.
- Malla, S.B., S. Bhattarai, M. Gorkhali and H. Saiju. 1978. In IOPB chromosome number reports. LIII. *Taxon* 27: 519-535.
- Mallick, M.F.R. and M. Masui. 1986. Origin, distribution and taxonomy of melons. *Sci. Hort.* 28: 251-261.
- Mangenot, S. and G. Mangenot. 1962. Deuxieme list de nombres chromosomiques nouveaux chez diverses Dicotyledones et monocotyledones d' Afrique occidentale. *Bull. Jard. Bot. (Bruxelles)* 28(4): 315-329. (c.f. Fedorov. 1969).

- Martcorena, C. 1963. Material para una monografia de la morfologie del pollen de Cucurbitaceae. Grana Palynol. 4(1): 78-91.
- Mathew, P.M. and O. Philip. 1983. Studies in the pollen morphology of South Indian Rubiaceae. In P.K.K. Nair (Ed.) Advances in Pollen Spore - Research. X. Today and Tomorrow's Printers and Publishers. New Delhi.
- Matsubayashi, M. 1954. Studies on the characteristics of triploid watermelon I, on some morphological characters of the triploids compared with its diploid watermelons. Jap.J. Breed. 4: 183-188.
- Maurizio, A. 1956. Pollen gestaltunj be einigen polypolliden Kulturipflanzen. Grana Palynol. 1(2): 59-69.
- McKay, J.W. 1930. Chromosome numbers in the Cucurbitaceae. Bot. Gaz. (Chicago) 89: 416-417.
- McKay, J.W. 1931. Chromosome study in the Cucurbitaceae. Univ. Calif. Berkeley. Publ. Bot. 16: 339-345.
- Mehetre, S.S. and M.V. Thombre. 1980. Meiotic studies in Momordica cymbalaria Fenzl. Curr. Sci. 49(7): 289.
- Mehra, P.N. 1945. Colchicine induced autopolyploids in M. charantia and Hyoscyamus niger. Proc. 32nd Indian Sci. Congr. Part. III. 76.
- Metcalfe, C.R. 1961. The anatomical approach to systematics. General introduction with special reference to recent work on monocotyledons. 146-150. In Recent Advances In Botany. Univ. Toronto Press, Toronto.
- Metcalfe, C.R. and L. Chalk. 1950. Anatomy of the Dicotyledons I. Clarendon Press, Oxford.
- Miedner, H. and T.A. Mansfield. 1968. Physiology of stomata. Mc Graw Hill Co., London.
- Miege, J. 1960. Nombres chromosomiques de plants d' Afrique occidentale. Rev. Cytol. et. Biol. Veg. 21: 373-384.
- Miege, J. 1962. Quatrieme liste de nombres chromosomiques d' especes d' Afrique occidentale. Rev. Cytol. et. Biol. Veg., 24 (3-4): 149-164.
- Mittre, V. 1964. Contemporary thought in palynology. Phytomorphology 14: 135-147.
- Moore, R.J. 1970. Index to chromosome numbers for 1970. Utrecht, Netherlands. 275-276.

- Morinaga, T., E. Fukushima, T. Kano, Y. Maruyama, and Y. Yamazaki. 1929. Chromosome numbers of cultivated plants. II. Bot. Mag. (Tokyo). 43: 589-594.
- Muller, J. 1979. Form and function in angiosperm pollen. Ann. Miss. Bot. Gard. 66(4): 593-632.
- Muller, J. and P.W. Leenhouts. 1976. A general survey of pollen types in Sapindaceae in relation to taxonomy. 407-446. In Ferguson, I.K. and J. Muller (Eds.) Linn. Soc. Symp. Series.I. Academic Press. INC (London) Ltd.
- Muller, E.G.O. and F. Pax. 1894. Cucurbitaceae in Engler and Prantl's Die naturalischen Pflanzenfamilien. IV (5): 1-39.
- Murin, A. 1978. In index of chromosome numbers of Slovakian flora part.6. Acta Fac. Rerum Nat. Univ. Comeniana. Bot. 26: 1-42.
- Murin, A and I.I. Chaudhri. 1970. In IOPB chromosome numbers reports. XXVI. Taxon 19: 264-269.
- Nair, P.K.K. 1960. Pollen grains of cultivated plants I. Canna Linn. J. Indian. Bot. Soc. 39(3): 373-381.
- Nair, P.K.K. 1961. Pollen grains of cultivated plants II. Bougainvillea Comm., Hibiscus Medik. and Euphorbia pulcherrima Willd. J. Indian Bot. Soc. 40 (3): 365-381.
- Nair, P.K.K. 1962. Pollen grains of cultivated plants III. Great millet and Maize. Indian J. Agric. Sci. 32 (3): 196-200.
- Nair, P.K.K. 1965a. Trends in the morphological evolution of pollen and spores. J. Indian Bot. Soc. 44 (4): 468-478.
- Nair, P.K.K. 1965b. Pollen morphology of some families Monochlamydeae. Bot. Not. 118: 281-288.
- Nair, P.K.K. 1970. Pollen morphology of Angiosperms. A historical and phylogenetic study. Vikas Publishing House, New Delhi/Scholar Publishing House, Lucknow.
- Nair, P.K.K. 1974. Phylogeny of angiosperms. A palynological analysis. Evol. Biol. 7: 127-137.
- Nair, P.K.K. 1980. Pollen morphology in relation to plant taxonomy and evolution. 253-272. In Nair, P.K.K. (Ed.) Glimpses in Plant Research 2. Vikas Publishing House, New Delhi.
- Nair, P.K.K. 1985. Some evolutionary concepts based on pollen spore morphology. Trends. Pl. Res. 170-179.

- Nair, P.K.K. and S. Chopra. 1965. Palynological studies on Indian Taraxacum I. Proc. Indian Acad. Sci. Sec. B.61: 214-221.
- Nair, P.K.K. and S.U. Deshpande. 1968. Pollen studies in successive flowers of L. cylindrica (Linn.) M.J. Roem. J. Palynol. IV (2) 98-106.
- Nair, P.K.K. and K. Kamalesh and G.S. Srivastava. 1977. Pollen morphology of an Erythrina hybrid and their parents. Curr. Sci. 46: 824-825.
- Nair, P.K.K. and S.K. Kapoor. 1974. Cucurbitaceae. In Pollen morphology of Indian vegetable crops. P.K.K. Nair (Ed.) Glimpses in Plant Research. II. 148-173.
- Nair, P.K.K. and R. Satheesh. 1993. Palynology of Cucurbitaceae - An assay. In Press.
- Nair, P.K.K. and M. Sharma. 1962. Pollen grains of Indian Plant IV. Leguminosae. Bull. Natl. Bot. Garden. 65.
- Nair, P.K.K. and R.K. Sharma. 1963. Pollen grains of Cocos nucifera Linn. Grana Palynol. 4: 373-379.
- Nair, P.K.K. and R.K. Sharma. 1976. Pollen morphology of Brassica. New Botanist 3: 115-153.
- Naithani, S.P. and P. Das. 1947. Somatic chromosome numbers in some cultivated cucurbits. Curr. Sci. 16: 188-189.
- Nakajima, G. 1931. The chromosome numbers in cultivated and wild Angiosperms. Bot. Mag. (Tokyo). 45: 7-11.
- Nakajima, G. 1936. Chromosome numbers in some crops and wild angiosperms. Jap. J. Genet. 12: 211-218.
- Nakajima, G. 1937. Cytological studies in some dioecious plants. Cytologia Fuji. Jubilee Vol: 282-292.
- Naudin, 1879. (c.f. Clarke. 1879).
- Navot, N. and D. Zamir. 1987. Isozyme and seed protein phylogeny of the genus Citrullus (Cucurbitaceae). Plt. Syst. Evol. 156:61-67.
- Nijs, A.P.M. Den and D.L. Visser. 1985. Relationship between African species of the genus Cucumis L. estimated by the production, vigour and fertility of F₁ hybrids. Euphytica 34: 279-290.

- Norton, J.D. 1969. Incorporation of resistance to *Meloidogyne incognita* into *Cucumis melo*. Proc. Ass. Southern Agric. Workers 66th Ann. Conf. 212.
- Norton, J.D. and D.M. Granberry. 1980. Characteristics of progeny from an interspecific cross of *C. melo* with *C. metuliferus*. J. Amer. Soc. Hort. Sci. 105(2): 174-180.
- Okoli, B. E. 1982. In IOPB chromosome number reports. LXXIV. Taxon 31: 127-128.
- Okoli, B.E. 1989. SEM study of surface characteristics of the vegetative and reproductive organs of *Telfairia* (Cucurbitaceae) *Phytomorphology* 39(1): 103-108.
- Okubo, H., K. Ooshima, S.I. Inokuchi and K. Fujieda. 1990. Kekri, an introduction of cooking melon from Sri Lanka and its taxonomic rank in the genus *Cucumis*. *Sci. Hort.* 43: 273-280.
- Ono, M. and Y. Masuda. 1981. Chromosome number of some endemic species of the Bonin Islands. II. *Ogasawara Res.* 4: 1-24.
- Paliwal, G.S. 1966. Stomata in certain Angiosperms: Their structure, ontogeny and systematic value. In *Recent Advances in the Anatomy of Tropical seed plants*. Hindustan Publishing Corporation. India.
- Pandey, V.S. and S. Saran. 1986. Palynological study in some species of the Cucurbitaceae. *J. Palynol.* 22: 55-58.
- Pandey, V.S. and S. Saran. 1987. Cytological study in *Sechium edule* (Jacq.) SW. (Cucurbitaceae). *Mendel* 4(4): 266-267.
- Pandey, V.S. and S. Saran. 1988. A natural triploid in *Momordica charantia* L. (Cucurbitaceae). *Cell Chro. Res.* 11(1): 33-35.
- Pangalo, K.I. 1938. C.R. (Doklady). *Acad. Sci. U.R.S.S.* 20: 599-601. (c.f. Khoshoo and Vij. 1963).
- Pangalo, K.I. 1944. A new genus of the family Cucurbitaceae - *Praecitrullus*, an ancestor of the contemporary watermelon (*Citrullus* Forsk.). *J. Bot. del' U.S.S.R.* 29: 200-204. (c.f. Navot and Zamir. 1987).
- Pant, D.D. and R. Banerji. 1965. Ontogeny of stomata and hairs in some cucurbits and other plants. *J. Indian Bot. Soc.* 44: 191-197.
- Parveen, F. and M.M. Bhandari. 1979. Pollen morphology of Indian desert Cucurbitaceae. *Trans. Indian Soc. Desert Technol.* 2(2): 212-222.

- Pasha, M.K. and S.P. Sen. 1991. Seed protein patterns of Cucurbitaceae and their taxonomic implications. *Biochem. Syst. Ecol.* 19(7): 569-576.
- Passmore, S.F. 1930. Microsporogenesis in the Cucurbitaceae. *Bot. Gaz. (Chicago)* 90: 213-223.
- Patel, G.I. 1952. Chromosome basis of dioecism in *T. dioica* Roxb. *Curr. Sci.* 21: 343-344.
- Patel, R.C. and J.A. Inamdar. 1971. Structure and ontogeny of stomata in some Polemoniales. *Ann. Bot.* 35: 389-409.
- Patil, S.G. and V.V. Patil. 1987. Stomatal studies in the genus *Chlorophytum* and their taxonomic significance. *Phytomorphology* 37(2,3): 155-158.
- Payne, W.W. 1979. Stomatal patterns in embryophytes, their evolution, ontogeny and classification. *Taxon* 28: 117-132.
- Pearson, O.H., R. Hopp and G.W. Bohn. 1951. Notes on species crosses in *Cucurbita*. *Proc. Am. Soc. Hortic. Sci.* 57: 310-322.
- Pickersgill, B. and C.B. Heiser. 1976. Cytogenetics and evolutionary change under domestication. *Philosophical Trans. of the Royal Society of London* 275: 55-69.
- #Purseglove, J.W. 1968. *Tropical Crops Dicotyledons*. Longman Group Ltd. London 114-116.
- Raghavan, R.S. and C.M. Arora. 1958. Chromosome number in Indian medicinal plants. II. *Proc. Indian Acad. Sci. Sect. B.* 47:352-358.
- Raghuvanshi, R.C. and D. Singh. 1972. Epidermal studies in *Capsicum* L. *J. Indian Bot. Soc.* 51: 311-319.
- Rajagopal, T. 1979. Distribution patterns and taxonomic importance of foliar stomata. *Indian J. Bot.* 2(1): 63-69.
- *Ramachandran, C., W.A. Brandenburg and A.P.M. Den Nijs. 1985a. Intraspecific variation in C-banded karyotype and chiasma frequency in *Cucumis sativus* (Cucurbitaceae) *Pl. Syst. Evol.* 151: 31-41.
- Ramachandran, C., V.S. Seshadri and R.A. Pai. 1985b. Cytogenetical studies on desert and non-desert forms of muskmelons. (*Cucumis melo* L.). *Cytologia* 50: 631-641.
- Rangaswami, K. 1949. Sex chromosomes of *Trichosanthes palmata* Roxb. *Proc. 36th Indian Sci. Congr. Allahabad.* 3: 137.

- Rao, S.R.S. 1991. Structure and distribution of plant trichomes in relation to taxonomy. Hibiscus L. Feddes Repert. 102: 335-344.
- Rao, B.R. and N. Ramayya. 1967. Stomatal abnormalities in two dicotyledons. Curr. Sci. 36: 357-358.
- Rao, A.R. and P. Shukla. 1975. Pollen Flora of the Upper Gangetic Plain. 21. In P.K.K. Nair (Ed.) Indian Pollen Spore Floras 1. Today and Tomorrow's Printers and Publishers. New Delhi.
- Rao, A.N. and O.E. Tian. 1974. Pollen morphology of certain tropical plants. J. Palynol. X(1): 1-37.
- Raven, P.H. 1975. The bases of angiosperm phylogeny: cytology. Ann. Miss. Bot. Gard. 62(3): 724-764.
- Raven, P.H. and D.W. Khyos. 1965. New evidence concerning the original basic chromosome number of angiosperms. Evolution 19: 244-248.
- Ravikumar, C. and P.K.K. Nair. 1985. Gloriosa L.-a cytopalynological study New Bot. 12(1): 1-68.
- Ravikumar, C., M. Nagaraj and P.K.K. Nair. 1979. Pollen morphology of an intervarietal hybrid and its parents of Cajanus cajan L. J. Palynol. 15(1): 39-45. (Abstract).
- Resende, F. 1937. Über die ubiquität der SAT - Chromosomen bei den Blütenpflanzen. Planta 26(5): 757-807.
- Richharia, R.H. and P.N. Ghosh. 1953. Meiosis in Momordica dioica Roxb. Curr. Sci. 22: 17-18.
- Riley, H.P. 1960. Chromosome of some plants from the Kruger National Park. J.S. Afr. Bot. 26: 37-44
- Robinson, R.W. H.M. Munger T.W. Whitaker and G.W. Bohn. 1976. Genes of the Cucurbitaceae. Hort. Sci. 11: 554-568.
- Roy, R.P. and P.M. Roy. 1971. An intergeneric cross in the Cucurbitaceae (Coccinia indica W.A. × Bryonopsis laciniosa Arn.). Curr. Sci. 40: 46-48.
- Roy, R.P., S. Saran and B. Dutt. 1983. Cytogenetics of other flowering plants. 73-79. In Jaiswal, P.L. and A.M. Wadhvani. (Eds.) Genetical Research In India. Indian Council of Agricultural Research. New Delhi. India.
- Roy, M., B.P. Singh and R.N. Trivedi. 1988. Cytological studies on some monotypic taxa of the family Cucurbitaceae. 88-92. In Bir, S.S. and G.S. Chatha. (Eds.) Glimpses of Cytogenetics in India I. Published by Society of Cytologists and Geneticists. India.

- Roy, R.P. and A.R. Mishra. 1962. Cytogenetic investigations in Cucurbitaceae. Proc. 49th Indian Sci. Congr. 3: 335.
- ✓ Roy, R.P., V. Thakur and R.N. Trivedi. 1966. Cytogenetical studies in Momordica L. J. Cytol. Genet. 1: 30-40.
- Ruttle, M.L. 1931. Chromosome number in the genus Cucurbita. Tech. Bull. NY State Agric. Exp. Stn. 186: 3-12.
- Saad, S.I. 1972. Pollen structure in relation to phylogeny. J. Palynol. VIII. 37-53.
- Sahay, S. 1977. On the pollen morphology of some Indian Cucurbitaceae. 64th Proc. Indian Sci. Congr. Bhubaneshwar. Part III. Sect. VI 93.
- Sanjappa, M. 1979. In IOPB Chromosome number reports LXIII. Taxon 28: 265-279.
- Sarkar, A.K., M. Chakravarty[†], S.K. Das, C.R. Pal and D. Hazara. 1980. In IOPB chromosome number reports LXVII. Taxon 29: 358-360.
- ✓ Sarkar, A.K., M. Chakravarty, N.C. Saha, S.K. Das and D. Hazara. 1977. In IOPB chromosome number reports LVII. Taxon 26: 443-452.
- Sarkar, A.K., N. Datta and U. Chatterjee. 1973. In IOPB chromosome number reports XLII. Taxon 22: 647-654.
- Sarkar, A.K., N. Datta and U. Chatterjee 1975a. In IOPB chromosome number reports. XLVIII. Taxon 24: 367-372.
- Sarkar, A.K., R. Datta, M. Ray Chodhury and S. Das. 1975b. In IOPB chromosome number reports. LXII. Taxon 24: 671-678.
- Sarkar, D.D. and K.B. Datta. 1981. Chromosomal basis of intraspecific differentiation in T. dioica Roxb. (Cucurbitaceae). Proc. Indian Sci. Congr. Assoc. 68: (Sect. X) 65.
- Schwanitz, F. 1966. The origin of cultivated plants. Harvard Univ. Press. Cambridge, Mass.
- Seithe, A. 1976. Hair types as taxonomic characters in Solanum. 313-314. In Hawkes, J.G., R.N. Lester and A.D. Skelding. (Eds.) The Biology and Taxonomy of the Solanaceae. Academic Press. London.
- Sen, R. 1976. Cytogenetic investigations in some Indian cucurbits. Ph.D. Thesis. Univ. Kalyani.
- Sen, R. and K.B. Datta 1975a. Cytogenetical studies in cultivated Trichosanthes L. (Cucurbitaceae) and their wild relatives. Proc. Indian Sci. Congr. Assoc. 62: 62-63.

- Sen, R. and K B. Datta. 1975^b. Inter and Intraspecific hybridization in the genus Momordica L. Proc. 2nd All India Cytol. Genet. Congr. 104 (Abstracts).
- Sen, R. and K B. Datta. 1975^c. Sexual dimorphism and polyploidy in Momordica L. (Cucurbitaceae). Proc. Indian Sci. Congr. Assoc. 62: 127.
- Sen, R. and K B. Datta. 1976^a. Intervarietal differences in karyotypes of C. melo Linn. (Cucurbitaceae). Proc 63rd Indian Sci. Congr. Part. 3: 127.
- Sen, R. and K.B. Datta. 1976^b. Cytogenetic investigations in two eastern Himalayan cultivated cucurbits. Proc. Indian Sci. Congr. Assoc. 63: 40.
- Sen, R. and K B. Datta. 1978^a. Cytological studies in some Indian cultivated varieties of Cucumis L. J. Cytol. Genet. 13: 16-22.
- Shah, G.L. 1967. Stomatal development in Convolvulus arvensis, Linn. Proc. Indian Acad. Sci. Sect. B. 66: 237-242.
- Shanmugasundaram, S.B., W.X. Ponnalya, P. Chandrasekaran and V.S Raman. 1964. Studies on interspecific hybrids in Cucumis and Cucurbita. Madras Agric. Jour. 51: 361.
- Sharfuddin, M. and S. Saran. 1986. Palynological study in some cucurbits. J. Palynol. 22: 31-34.
- Sharma, M. 1967. Pollen morphology of Indian Monocotyledons. J. Palynol. (Special volume). 1-98.
- Shashikumar and G.S. Paliwal. 1978. Foliar anatomy of the family Acanthaceae. I. The tribe Justiceae. Bull. Bot. Surv. India. 20: 54-63.
- Shibata, K. 1962. Estudio citologicos de plantas Colombiaris silvestres Y cultivadas. J. Agric Sci. Tokyo Negyo Daigake. 8: 49-62. (c.f. Fedorov. 1969).
- Shimotsuma, M. 1958. Cytogenetical studies in the genus Citrullus. I. F₁ hybrids in the reciprocal crosses, C. colocynthes Schrad. X C. vulgaris Schrad. Seiken Jiho (Rep. Kihara Inst. Biol. Res.) 9: 17-22. (c.f. Fedorov. 1969).
- Shimotsuma, M. 1961a. Cytogenetical studies in the genus Citrullus. II. Chromosome conjugation and fertility in induced autotetraploid. Jap. J. Genet. 36: 63-71.

- Shimotsuma, M. 1961b Chromosome number of Citrullus species. Chrom. Info. Serv 2: 14-16.
- Sidhu, M.K. 1979. Ph D. Thesis, Patiala. (c.f. Goldblatt-1984).
- Sidhu, M. and S.S. Bir. 1983 Karyological studies on weeds on cultivable lands in Punjab, India Trop. Plant. Sci. Res. 1: 1-13.
- Singh, A K. 1974a. Cytological studies in Melothria Linn. Ann. Aridzone. 13(3) : 266-268.
- Singh, A.K. 1974b Cytological studies in Blastania garcinii: Cogn. of Cucurbitaceae. Curr. Sci. 43(14): 460.
- Singh, A K. 1975. Cytogenetics of semi-arid plants II. Cytological studies in Corallocarpus conocarpus Dalz and Gibs of Cucurbitaceae. Curr. Sci. 44(14): 511.
- Singh, A.K. 1978. Cytogenetics of semi-arid plants. III. A natural interspecific hybrid of Cucurbitaceae (Citrullus colocynthis Schrad.X C. vulgaris Schrad). Cytologia 43 : 569-574.
- Singh, A.K. 1979. Cucurbitaceae and polyploidy. Cytologia 44 : 897-905.
- Singh, A K. and R.P. Roy. 1973. Cytological studies in Trichosanthes palmata, a natural hexaploid. Sci. Cult. 31 : 445-446
- Singh, A.K. and R.P. Roy. 1974. Karyological studies in Cucumis L. Caryologia 27: 153-160.
- Singh, A.K. and R.P. Roy. 1975a. Cytomorphological studies in polyploids of T. anguina L. Cytologia 40: 13-20.
- Singh, A.K. and R.P. Roy. 1975b. Cytological studies in Cucumis hardwickii (Royle). J. Indian Bot. Soc. 54 : 94-97.
- Singh, A K. and R.P. Roy. 1979. Cytological studies in Trichosanthes L. J. Cytol. Genet. 14 : 50-57.
- Singh, A.K. and K.S. Yadava. 1984a. An analysis of interspecific hybrids and phylogenetic implications in Cucumis (Cucurbitaceae). Plt. Syst. Evol. 147: 237-252.
- Singh, A.K. and K.S. Yadava. 1984b. Cytogenetics of Cucumis L. IV. Comparative study of natural and induced polyploids. Cytologia 49: 183-192.
- Singh, B.P. 1990. Cytogenetical investigations in the interspecific hybrid of Luffa acutangula x L. operculata. Cytologia 55 : 609-614.

- Singh, B.P. 1991. Interspecific hybridization in between New and Old-world species of Luffa and its phylogenetic implication. *Cytologia* 56: 359-365.
- Sinha, U., S. Saran and B. Dutt. 1983. Cytogenetics of cucurbits. 555-582. In Swaminathan, M.S., P.K. Gupta and U. Sinha. *Cytogenetics of Crop Plants*. Mc Millan India Ltd.
- Smith, 1976. Minor crops - Cucurbits. 306. In Simmonds, N.W. (Ed.). *Evolution of crop plants*. Longman Group Ltd. Hongkong.
- Sobti, S.N. and S.D. Singh. 1961. A chromosome survey of Indian medicinal plants. Part I. *Proc. Indian Acad. Sci. Sect. B.* 54: 138-144.
- Srivastava, V. 1976. A note on pollen morphology of Corchorus capsularis Linn., C. olitorius and their hybrids. *Curr. Sci.* 45: 27-28.
- Srivastava, V., M. Pal and P.K.K. Nair. 1977. A study of the pollen grains of Amaranthus spinosus Linn. and A. dubius Mart. ex. Thellung and their hybrids. *Rev. Palaeobot. Palynol.* 23: 287-291.
- Stace, C.A. 1965. The significance of leaf epidermis in the taxonomy of the Combretaceae. *J. Linn. Soc.* 59: 229.
- Stace, C.A. 1980. Structural information. 69-85. In *Plant taxonomy and Biosystematics*. Edward Arnold. London.
- Stace, C.A. 1981. The significance of the leaf epidermis in the taxonomy of the Combretaceae. VI. Conclusions. *Bot. J. Linn. Soc.* 81: 327-339.
- Stace, C.A. 1984. The taxonomic importance of the leaf surface. 69-74. In Heywood, V.H. and D.M. Moore (Eds.) *Current concept in plant taxonomy*. Academic Press. London.
- Stebbins, G.L. 1950. *Variations and evolution in plants*. Columbia Univ. Press. New York.
- Stebbins, G.L. 1966. Chromosomal variation and evolution. *Science* 152: 1463-1469.
- Stebbins, G.L. 1967. Adaptive radiation and trends of evolution in higher plants. 101-142. In Dobzhansky, T., M.K. Hecht and W.C. Steere (Eds.) *Evol. Biol. I*. Appleton Century Crofts. New York.
- Stebbins, G.L. 1971. *Chromosomal evolution in higher plants*. Addison-Wesley Publ. Co., Reading, Mass 216.

- Stebbins, G.L. 1974. Flowering Plants: Evolution Above The Species Level. E. Arnold. London.
- Stebbins, G.L. and G.S. Khush. 1961. Variation in the organisation of the stomatal complex in the leaf epidermis of monocotyledons and its bearing on their phylogeny. *Am. J. Bot.* 48: 51-59.
- Stewart, J.L. 1869. Punjab Plants. (c.f. Khoshoo and Vij. 1963).
- Sugaira, T. 1938. A list of chromosome numbers in angiospermous plants. *V. Proc. Imp. Acad. Tokyo* 14(10): 391-392.
- Sugaira, T. 1940. Studies on the chromosome numbers in higher plants. *V. Cytologia* 10: 363-370.
- Sutaria, R.N. 1936. On the chromosome numbers in some cultivated and wild cucurbits of Gujarat. *J. Univ. Bombay* 4: 21-28.
- Sybenga, J. 1972. Chromosome-associated control of meiotic pairing differentiation. Variation with Secale cereale. *Chromosoma* 39: 351-360.
- Takhtajan, A.L. 1966. System and phylogeny of flowering plants. Soviet Sciences Press, Moscow. Leningrad. (c.f. Baranova. 1992).
- Takhtajan, A.L. 1980. Outline of the classification of flowering plants (Magnoliophyta). *Bot. Rev.* 46: 225-359.
- Thakur, G.K. 1973. A natural tetraploid in the genus Trichosanthes from Bihar. *Proc. 60th Indian Sci. Congr. Part. 3*: 324.
- Thakur, G.K. and B.M.B. Sinha. 1972 - 1973. Cytological investigation in some cucurbits. *J. Cytol. Genet.* VII & VIII 122-130.
- Thakur, G.K. and B.M.B. Sinha. 1976. Cytology of a tetraploid, Trichosanthes bracteata (Lamk.) Voigt. from Bihar. *J. Cytol. Genet.* II: 47-50.
- Thakur, G.K., B.M.B. Sinha and R.P. Roy. 1969. Meiotic studies in Edgaria darjeelingensis Clarke. a new genus of the Cucurbitaceae. *Curr. Sci.* 9: 222-223.
- Thanki, Y.J. 1978. Development and structure of some cucurbitaceous fruits. Ph.D. Thesis. S.P. Univ. Vallab Vidyanagar. (c.f. Desai. 1992).
- Timmis, J.N. and H. Rees. 1971. A pairing restriction at pachytene upon multivalent formation in autotetraploids. *Heredity* 26: 269-275.
- Trivedi, R.N. 1969. Ph.D. Thesis, Univ. Patna.

- Trivedi, R.N. 1978. Cytogenetical studies in triploid M. dioica. Proc. 65th Indian Sci. Congr. Part. 3: 116.
- Trivedi, R.N. and R.P. Roy. 1970. Cytological studies in Cucumis and Citrullus. Cytologia 35: 561-569.
- Trivedi, R.N. and R.P. Roy. 1972. Cytological studies in some species of Momordica. Genetica 43: 282-291.
- Turko, V.D., G. Shelpeana and M.B. Pushnov, 1974. The identification of individual chromosome in the caryotype of the cucumber (C. sativus L.) on the base of their linear differentiation. Cytologia 40: 31-34.
- Turner, N.C. 1979. Difference in response of adaxial and abaxial stomata to environmental variables. 229-250. In Sen, D.N. (Ed.) Structure Function and Ecology of Stomata. Dehradun. Bishen Sing, Mahendra Pal Sing.
- Valsala Devi, G. 1987. Cytological and palynological studies on the South Indian Acanthaceae. Ph.D. Thesis. Univ. Kerala.
- Van Cotthem, W. 1973. Stomatal types and systematics. Bot. J. Linn. Soc. 67. Suppl. 1: 59-71.
- van Raamsdonk, L.W.D. and D.L. Visser. 1992. Autotetraploidy in Cucumis zeyheri and a derived new species C. diniae (Cucurbitaceae) Nord. J. Bot. 12: 327-334.
- Varghese, B.M. 1971. Cytology of Trichosanthes palmata Roxb. Cytologia 36: 205-209.
- Varghese, B.M. 1972. Cytology and origin of a tetraploid Trichosanthes palmata Roxb. Genetica 43: 292-301.
- Varghese, B.M. 1973. Studies on cytology and evolution of South Indian Cucurbitaceae. Ph.D. Thesis. Univ. Kerala.
- Vasil, I.K. 1962. Formation of male gametes in the pollen tubes of some crop plants. Plant embryology. Symp. Counc. Sci. Indian Res. 254-260. New Delhi.
- Vesque, M.J. 1889. Del'emploi des caracteres anatomiques dans la classification des vegetaux. Bull. Soc. Bot. France 36: XLI LXXVII. (c.f. Baranova. 1992).
- Virendra Kumar and B. Subramaniam. 1986. Chromosome Atlas of Flowering Plants of The Indian Subcontinent. I. Dicotyledons. Botanical Survey of India. Deep Printers. New Delhi.

- Walker, J.W. 1974a. Aperture evolution in the pollen of primitive angiosperms. *Amer. J. Bot.* 61: 1112-1137.
- Walker, J.W. 1974b. Evolution of exine structure in the pollen of primitive angiosperms. *Amer. J. Bot.* 61: 891-902.
- Walker, J.W. 1976. Evolutionary significance of the exine in the pollen of primitive angiosperms. 251-308. In Ferguson, I.K. and J. Muller. (Eds.) *The evolutionary significance of the exine*. Linn. Soc. Symp. Series. 1. Academic Press. INC (London) Ltd.
- Walker, J.W. and J.A. Doyle. 1975. The bases of angiosperm phylogeny: palynology. *Ann. Miss. Bot. Gard.* 62: 664-723.
- Wanjari, K.B. and B.A. Phadnis. 1973. A colchicine induced sectorial chimera in bitter gourd (M. charantia Linn). *Sci. Cult.* 39: 432-433.
- Warner, B.G. and Chinnappa. 1986. Taxonomic implications and evolutionary trends in pollen of Canadian Ericales. *Can. J. Bot.* 3113-3126.
- Weilung, F. 1959. Genomanalytische Untersuchungen bei Kürbis (Cucurbita L.) *Züchter.* 29: 161-179.
- Whitaker, T.W. 1930. Chromosome numbers in cultivated cucurbits. *Amer. J. Bot.* 17: 1033-1041.
- Whitaker, T.W. 1933. Cytological and phylogenetic studies in the Cucurbitaceae. *Bot. Gaz.* 94: 780-790.
- Whitaker, T.W. 1956. The origin of the cultivated Cucurbita. *Am. Nat.* 90: 171-176.
- Whitaker, T.W. 1959. An interspecific cross in Cucurbita (C. lundelliana Bailey × C. moschata Duch.). *Madrono* 15(1): 4-13.
- Whitaker, T.W. 1974. Cucurbita. 135-144. In King, R.C. (Ed.) *Hand book of genetics*. 2. Plenum Press, New York & London.
- Whitaker, T.W. and W.P. Bemis. 1976. Cucurbits. 64-69. In Simmonds, N.W. (Ed.) *Evolution of Crop Plants*. Longman group Ltd. Hong Kong.
- Whitaker, T.W. and G.N. Davis. 1962. *The cucurbits - botany cultivation and utilization*. World Crops Books. London. Leonard Hill Ltd.
- Wilkinson, H.P. 1979. The plant surface (mainly leaf). 97-165. In Metcalfe, C.R. and L. Chalk. (Eds.) *Anatomy of The Dicotyledons*. Oxford Univ. Press Oxford.

- Wodehouse, R.P. 1935. Pollen grains. Mc Graw Hill Book. Co. New York.
- Yadava, K.S., A.K. Singh and H.C. Arya. 1984. Cytogenetic investigation in Cucumis. L. I. Meiotic Analysis in twentyfour Cucumis species. Cytologia 49: 1-9.
- Yamaha, G. and S. Suematsu. 1936. Beitrage sur Kanntnis pflanzlicher Nukleolen. Sci. Rep. Tokyo Univ. Sect. B. 3: 21-34.
- Yunus, D. and P.K.K. Nair. 1989. Pollen morphology of Indian Geraniales. In Nair, P.K.K. (Ed.) Advances in Pollen Spore Research. XV-XVI. Today and Tomorrow's Printers and Publishers. New Delhi.
- Zeven, A.C. and J.M.J. De Wet. 1982. Dictionary of cultivated plants and their regions of diversity. Centre for Agricultural Publishing and Documentation. Wageningen. Netherlands.