

REFERENCES

- Abe, K., 1972.** A comparative study of the Orchid embryo sac. Sci. Rep. Tohoku Univ. Series, 36: 179-201.
- Abbasi, S. A., Khan, F. J., Sentilevelan, K. and Shabuden, A., 1999.** Indian J. Env. Hlth., 41(3): 176-183.
- Adhikari, D., Chettri, A. and Barik, S. K., 2009.** Modeling the ecology and distribution of highly pathogenic avian influenza (H5N1) in the Indian subcontinent. Curr. Sci., 97(1): 73-78.
- Adhikari, D., Barik, S. K. and Upadhaya, K., 2012.** Habitat distribution modeling for reintroduction of *Ilex Khasiana* Purk., a critically endangered tree species of northeastern India. Ecological Engineering, 40: 37-43.
- Allan, J. D., 1995.** Stream Ecology, Structure and Function of Running Waters. Chapman and Hall, London.
- Allan, J. D. and Flecher, A. S., 1993.** Biodiversity conservation in running water. Bioscience, 43: 32-43.
- Allen, D.J., Smith, K.G. and Darwall, W. R. T., 2012.** The Status and Distribution of Freshwater Biodiversity in Indo-Burma, IUCN, Cambridge, UK.
- Ameka, G. K., 2000a.** The Biology, Taxonomy and Ecology of Podostemaceae in Ghana. (Ph.D. Thesis) University of Ghana, Legon, Accra.
- Ameka, G. K., Pfeifer, E. and Rutishauser, R., 2002.** Developmental Morphology of *Saxicolella amicorum* and *S. submerse* (Podostemaceae – Podostemoideae) from Ghana. Bot. J. Linn. Soc., 139: 255-273.
- Ancibor, E., 1990.** Anatomia de las especies argentinas de *Podostemum* Michx. (Podostemaceae). Parodiana, 6: 31-47.
- Anjana, M. and Kanhere, R. R., 1995.** Seasonal variations of abiotic factors of a fresh water pond at Barwani (M. P.). Poll. Res., 14(3): 347-350.

- APHA-AWWA-WPCF., 1985.** Standard Method for Examination of Water and Wastewater, (14 Ed) American Public Health Association, Washington D.C.
- Aravind kumar, 1995.** Some limnological aspects of the fresh water tropical wetland of Santhal pargana (Bihar), India. J. Envi. Poll., 2(3): 137-141.
- Arber, A., 1920.** The Life History of the Tristichaceae and Podostemaceae, Chapter IX: p. 112-122 and Water Plants and the Theory of Natural Selection, with special reference to the Podostemaceae. In: Water Plants. Chapter XXVII: p. 327-335, Cambridge.
- Arekal, G. D. and Nagendran, C. R., 1975a.** Is there a *Podostemum* type of embryo sac in the genus *Farmeria*? Caryologia, 28: 229-235.
- Arekal, G. D. and Nagendran, C. R., 1975b.** Embryo sac of *Hydrobropsis sessilis* (Podostemaceae): Origin, organization and significance. Bot. Not., 128: 332-338.
- Arekal, G. D. and Nagendran, C. R., 1976.** A new type of embryo sac organization in angiosperms. Curr. Sci., 45:717-719.
- Arekal, G. D. and Nagendran, C. R., 1977a.** Female gametophyte in *Zeylanidium* (Podostemaceae). A clarification. Phytomorphology, 27: 123-129.
- Arekal, G. D. and Nagendran, C. R., 1977b.** The female gametophyte in two Indian genera of Tristichoideae (Podostemaceae). A reinvestigation. Proc. Indian Acad. Sci. B, 86: 287-294.
- Arekal, G. D. and Karanth, K. A., 1981.** The embryology of *Epipogium roseum* (Orchidaceae). Plant Syst. Evol., 138: 1-7.
- Aublet, F., 1775.** `1 Histoire Des. Plantare de la Guiane fanc., 1: 582. London.
- Baker, G. J. and Wright, C. H., 1909.** Podostemaceae. Flora of Tropical Africa, 6 (1): 120-128.

- Barik, S. K. and Adhikari, D., 2011.** Predicting geographic distribution of an invasive species *Chromolaena odorata* L (King) & H.E. Robins in Indian subcontinent under climate change scenarios. In: Bhatt, J.R., Singh, J.S., Tripathi, R.S., Singh, S.P., Kohli, R.K. (Eds.), *Invasive Alien Plants—An Ecological Appraisal for the Indian Subcontinent*. CABI, Oxfordshire, UK.
- Barrett, S. C. H., Eckert, D. G. and Husband, B. C., 1993.** Evolutionary processes in aquatic plant populations. *Aquat. Bot.*, 44: 105-145.
- Battaglia, E., 1971.** The embryo sac of Podostemaceae: an interpretation. *Caryologia*, 24 (4): 403-420.
- Battaglia, E., 1980.** Embryological questions: 2. Is the endosperm of Angiosperms sporophytic or gametophytic? *Annali di Botanica*, 39: 9-30.
- Battaglia, E., 1987.** Embryological Questions: 11. Has the debated case of Podostemaceae been resolved; *Annali Di Botanica*, XLV: 37-64.
- Bawa, K. S., 1983.** Patterns of flowering in tropical plants. In: *Handbook of Experimental pollination Biology*. (eds). Jones, C.E. and Little, R. J., Von Nostrand Reinhold Co. New York, pp. 395-410.
- Beddome, R. H., 1865.** Anamallay plants. *Trans. Linn. Soc.* 25: 223.
- Bentham, G. and Hooker, J. D., 1880 -1883.** (Indian reprint 1979) Podostemaceae In: *Genera Plantarum*, III: 105-115, International Book Distributors, Dehra Dun.
- Bezuidenhout, A., 1964.** The pollen of African Podostemaceae, *Pollen et Spores*, 6 (2): 463-478.
- Bhimachar, B. S. and David. A., 1946.** A study of the effects of factory effluents on the Bhadra river fisheries at Bhadravati 33 rd Indian- Sci. Congr. Proc. 3:130. BIS, 1992. Bureau of Indian Standards.
- Bijl, L. V. D., Sand-Jensen, K. and Hjerminde, A. L., 1989.** Photosynthesis and canopy structure of a submerged plant, *Potamogeton pectinatus*, in a Danish lowland stream. *J. Ecol.*, 77, 947-962.

- Butcher, R. W., 1947.** Studies in the ecology of rivers. VII. The algae of organically enriched waters. *J. Ecology*, 35: 186-191.
- Chako, P. I. and Ganapathi, S. V., 1949.** Some Observation of the Adyar River, with Special reference to its hydrobiological conditions. *Indian. Geogr. J.*, 24 (3): 35-49.
- Chakrabarty. R. D., Roy, P. and Singh, S. B., 1959.** A quantitative study of the plankton and the physico-chemical conditions of the river Jamuna at Allahabad in 1954-1955. *Indian J. Fisher*, 6 (1): 186-203.
- Chandler, D. C., 1942.** Limnological studies of Western Lake Erie. III. Phytoplankton and physical chemical data from November 1939 to November 1940. *Ohio J. Sci.*, 42: 24-44.
- Char, M. B. S. and Nagendran, C. R., 1974.** Remarkable similarities in pollen dynamics. *Curr. Sci.*, 43, 461-462.
- Chauhan, A., 1991.** Effect of distillery effluent on River Waiganga. *Indian J. Environ. Health*, 33 (2): 203-207.
- Cheadle, V. I., 1942.** The occurrence and types of vessels in the various organs of the plant in the Monocotyledoneae. *Amer. J. Bot.*, 29: 441-450.
- Chiarugi, A., 1933.** Lo sviluppo del gameto fito femminile della "*Weddellina squamulosa* Tul." (Podostemaceae); *Atti Accad. Naz. Lincei (Roma)* 17: 1095-1100.
- Chodat, R. and Vischer, W., 1917.** La vegetation du Paraguay. VI. Podostemonacées. *Bull. Soc. Bot. Genève, sér. 2*, 9: 165-96.
- Chopra, R. N. and Mukkada, A. J., 1962.** Gametogenesis and pseudo embryo sac in *Indotristicha ramosissima* (Wight) Van Royen; *Phytomorphology*, 16: 182-188.
- Chopra, R. N. and Mukkada. A. J., 1966.** Gametogenesis and pseudo-embryo sac in *Indotristicha ramosissima* (Wight) van Royen. *Phytomorphology*, 16: 182-188.

- Connelly, W. J., Orth, D. J. and Smith, R. K., 1999.** Habitat of the riverweed darter, *Etheostoma podostemonae* Jordan, and the decline of the riverweed, *Podostemum ceratophyllum*, in the tributaries of the Roanoke River, Virginia. *J. Freshwater Ecol.*, 14: 93-102.
- Cook, C. D. K., 1988.** Wind pollination in aquatic angiosperms. *Ann. Missouri Bot. Gard.*, 75: 768-777.
- Cook, C. D. K., 1990.** Family Podostemaceae. In *Aquatic Plants Book*, SPB Academic Publishing Co. The Hague. The Netherland, pp.171-191.
- Cook, C. D. K., 1996a.** *Aquatic Plant Book*. 2nd ed. SPB Academic Publishing, The Hague.
- Cook, C. D. K., 1996b.** *Aquatic and Wetland Plants of India*. Oxford University Press, Oxford.
- Cook, C. D. K. and Rutishauser R., 2007.** Podostemaceae. In: Kubitzki K (ed) *The families and genera of vascular plants*, vol.9 Springer, Berlin, pp. 304-344.
- Cook, C. D. K., Gut, B. J., Bix, E. M., Schneller, J. X. and Seitz, M., 1974.** *Water Plants of the World: A manual for the identification of the genera of fresh water macrophytes*. 445-479. Lange Voorhont, The Hague, The Netherland.
- Cronquist, A., 1981.** *An integrated system of classification of flowering plants*, Columbia Univ. Press. NewYork. 1262p.
- Cronquist, A., 1988.** *The Evolution and Classification of Flowering Plants*. The New York Botanical Garden, New York, 555pp.
- Cross Bell, D., 1990.** Biomonitoring the effect of rubber factory effluent on the hill stream in Kanyakumari district; *Geobiosis*, 17 (5/6): 220-222.
- Cruden, R. W., 1977.** Pollen Ovule ratios: A conservative indicator of breeding system in flowering plants. *Evolution*, 31: 32-46.
- Currie, H. A. and Perry, C. C., 2007.** Silica in plants: biological, biochemical and chemical studies. *Ann. Bot.*, 100: 1383-1398.

- Cusset, C., 1973.** Podostémacées, Tristichacées. In: Flora du cambodge du Laos et du viêt-nam. Eds. A. Aubréville and J. E Leroy, 14: 65-83.
- Cusset, C., 1983.** Contribution a letude des Podostemaceae : 7. Ledermanniella Engl. Sons-genre *Phyllosoma* C. Cusset. Bull.Mus.natn.Hist.nat., Paris 4ser., 5, 1983,Section B Adansonia. n° 4 : 361 – 390.
- Cusset, C., 1984.** Contribution a letude des Podostemaceae : 8. Ledernanniella Engl. Sons - genre Laderrmanniella.Bull. Mus. Natn. Hist. Nat., Paris 4 ser., 6, Section B, Adansonia. n° 3 : 249 - 278.
- Cusset, C., 1987.** Podostemceae/ Tristichaceae, In Flore du Cameroun, eds. B, sabatie and Ph. Morat. 30: 51-105.
- Cusset, C., 1992.** Contribution à l' étude des Podostemaceae: 12. Les genres asiatiques. Bull. Mus. natn. Hist. Nat., Paris, sér (sect. B, Adansonia.1) 14: 13-54.
- Cusset, C., 1997.** Podostemaceae. Flora Zambesiaca 9 (2): 2-9.
- Cusset, C. and Cusset, G., 1988a.** Etude sur les Podostemales: 9. Delimitations taxinomiques dans les Tristichaceae. Bull. Mus. Nat. Hist. Nat. Paris, 10, sect. B, Adansonia (2): 149-177
- Cusset, G. and Cusset, C., 1988b.** Etude sur les Podostemales: 10. Structures vegetatives et florales des Tristichaceae, Bull. Mus. Nat. Hist. Nat. Paris, 10, sect. B, Adansonia (2): 179-218.
- Cusset, G. and Cusset, C., 1988c.** Studies on the Podostemopsida 11. Repartition and evolution of Tristichaceae. Bull. Mus. Nat. Mist. Nat. Paris, 10, sect. B, Adansonia, 3: 223- 262.
- Cusset. G. and Cusset. C., 1989.** Studies on Podostemopsida 12. Evolutionary biogeography of *Tristicha triferia* (Bory ex Willd) Sprengel, Bull. Mus. Nat. Hist. Nat., Paris, 11. sect. B. Adansonia, 1 : 39-70.
- Dahlgren, R. M. T., 1980.** A revised system of classification of the Angiosperms, J. Linn Soc. Bot. 80: 91-114.

- Dahlgren, R. M .T. and Clifford, H. T., 1982.** Occurrence of Pollen Tetrads. The Monocotyledons: A Comparative Study. Academic Press, London, 378pp.
- Davis, G.L., 1966.** Systematic Embryology of the Angiosperms. Wiley, New York, p.528.
- Den Hartog, C. D. and Segal, S., 1964.** A New Classification of the Waterplant Communities. Acta Botanica Neerlandica, 13: 367-393.
- Dobson, M. and Frid, C., 1998.** Rivers- A Biotic Environment, Water chemistry and Energy inputs. In: Ecology of Aquatic Systems. Addison Wesley Longman Ltd, pp: 30-50.
- Dodds, W. K., 1991.** Micro-environmental characteristics of filamentous algal communities in flowing freshwaters. Freshwater Biology 25: 199-209.
- Doreswamy, R. and Mohan Ram, H. Y., 1969.** Studies on the growth and flowering in axenic cultures of insectivorous plants. I. Seed germination and establishment of cultures in *Utricularia inflexa* Forsk. Phytomorphology 19: 363-371.
- Elith, J., Graham, C. and the NCEAS species distribution modelling group. 2006.** Novel methods improve prediction of species' distributions from occurrence data. Ecography, 29:129-151.
- Elith, J. and Leathwick, J.R., 2009.** Species distribution models: Ecological explanation and prediction across space and time. Ann. Rev. of Ecol. Evol. and syst., 40: 677-697.
- Elton, C., 1927.** Animal Ecology. London: Sidgwich and Jackson, pp. 207.
- Engler, A., 1930.** Podostemaceae in Engler & Prantl, Die Naturalischen Pflanzen Familien, ed. 2 pp: 1-68. 483 - 484.
- Fox, A. M., 1992.** Macrophytes In: The River Hand Book. Vol.1 Peter C and Pett, G.E. (ed.) Blackwell Scientific Publications. Oxford.

- Fujinama, R., and Imaichi, R., 2009.** Developmental anatomy of *Terniopsis malayana* (Podostemaceae, Subfamily Tristichoideae), with implications for body plan evolution. *J. Plant Res.* 122: 551-558.
- Gardner, G., 1847.** Observations on the structure and affinities of the plants belonging to the natural order Podostemaceae together with a monograph of the Indian species: Calcutta. *J. Nat. Hist.*, 7: 165-189.
- Gessner, F. and Hammer, L., 1962.** Oxologische-physiologische Untersuchungen an den Podostemonaceen des Caroni. *Int. Rev. Ges. Hydrobiol.*, 47: 497-541.
- Geetha, K., 2002.** Autecology and reproductive biology of the family of Podostemaceae in Kerala. Ph. D Thesis, M. G. University, Kottayam.
- Ghogue, J. P., Ameka, G. K., Grob, V, Huber, K. A., Pfeifer, E. and Rutishauser, R., 2009.** Enigmatic morphology of *Djinga felicis* (Podostemaceae-Podostemoideae) a badly known endemic from northwestern Cameroon. *Bot. J. Linn. Soc.*, 160: 64-81.
- Giriraj, A., Irfan-Ullah, M., Ramesh, B. R., Karunakaran, P. V., Jentsch, A. and Murthy M. S. R., 2008.** Mapping the potential distribution of *Rhododendron arboretum* Sm. *Ssp. nilagiricum* (Zenker) Tagg (Ericaceae), an endemic plant using ecological niche modeling. *Curr. Sci.*, 94: 1605-1612.
- Gopal, B. and Goel, U., 1993.** Competition and allelopathy in aquatic plant communities. *Bot. Rev.* 59: 155-210.
- Gopinathan, C. P., Nair, P. V. R. and Nair, A. K. K., 1984.** Quantitative ecology of phytoplanktons in The Cochin backwaters. *Indian J. Fish.*, 31(3): 325-346.
- Graham, S. A. and Wood C. E. Jr. 1975.** The Podostemaceae in the Southeastern United States. *J. Arnold Arbor.* 56: 456-465.
- Griffith, M. W., 1838.** Description de deux genres de la famille des hamamélidées, de deux espèces de *Podostemom* et d'une espèce de *Kaulfussia*. *Ann. Sci. Nat. Bot.*, sér. 2, 9: 176-189.

- Grimm, N. B., 1994.** Implications of climatic changes on stream communities. In: Biotic interactions and global changes. Kaveira, P. M., Kingsolver, J. G. & Huey: R. B. (ed.) pp: 293-314.
- Grinnell, J., 1917.** Field tests of theories concerning distributional control. American Naturalist, 51: 115-128.
- Grubert, M., 1970.** Untersuchungen über die Verankerung der Samen von Podostemaceen. Int. Rev. Ges. Hydrobiol., 55: 83-114.
- Grubert, M., 1974.** Podostemaceen-Studien. Teil II. Untersuchungen über die Keimung. Bot. Jahrb. Syst., 95: 455-477.
- Grubert, M., 1975.** Ökologie extrem adaptierter Blütenpflanzen tropischer Wasserfälle. Urologr in Innsbr. Zeit., 5-18-25.
- Grubert, M., 1976.** Podostemaceen-Studien. Teil 2. Untersuchungen über die Keimung. Bot. Jahrb. Syst., 95: 455-477.
- Grubert, M., 1980.** SEM-Untersuchungen an myxospermen Diasporen. Pl. Syst. Evol., 135: 13.
- Guisan, A., and Thuiller, W., 2005.** Predicting species distribution: Offering more than simple habitat models. Ecol. Lett., 8: 993-1009.
- Guisan, A., and Zimmermann, N. E., 2000.** Predictive habitat distribution models in ecology. Ecological Modelling. 135: 147-186.
- Haig, D., 1986.** Conflicts among megaspores. J. Theor. Biol., 123: 471-480.7-149.
- Haig, D., 1990.** New perspectives on the angiosperm female gametophyte. Bot. Rev., 56: 236-277.
- Hall, J. B., 1971.** New Podostemaceae from Ghana with notes on related species. Kew Bull 26: 123-136.
- Hammond, B. L., 1936.** Regeneration of *Podostemon ceratophyllum*. Botanical Gazette, 97: 834-845.

- Hammond, B. L., 1937.** Development of *Podostemum ceratophyllum*, Bull. Torrey Bot. Club, 64: 17-36.
- Hartl, D., 1962.** Die morphologische Natur und die Verbreitung des Apikalseptums. Analyse einer bisher unbekanntem Gestaltungsmöglichkeit des Gynoeceums. Beitr. Biol. Pfl., 37: 241-330.
- Hirzel, A. H., Hausser, J., Chessel, D. and Perrin, N., 2002.** Ecological niche factor analysis: How to compute habitat-suitability map without absence data. Ecology, 83: 2027–2036.
- Hiyama Y, Tsukamoto I, Imaichi R, and Kato M. 2002.** Developmental anatomy and branching of roots of four *Zeylanidium* species (Podostemaceae), with implication for evolution of foliose roots. Annl. Bot., 90: 253-259.
- Hodson, J. M., White. P. J., Mead, A., and Broadley, M. R., 2005.** Phylogenetic variation in the silicon composition of plants. Ann. Bot., 96: 1027-1096.
- Hooker, J. D., 1885.** Family Podostemaceae In: The Flora of British India, 5: 61-68, Reeve & Co., London.
- Hosmani, S. P. and Nagendran, C. R., 1980.** *Rivularia aquatic* De. Wilde as a parasite on *Griffithella hookeriana*. Warm. Curr. Sci., 49 (19): 751-752.
- Hutchens, J. J., Wallace, J. B. and Romaniszyn, E. D., 2004.** Role of *Podostemum ceratophyllum* Michx. in structuring benthic macroinvertebrate assemblages in a southern Appalachian river. J. N. Am. Benthol. Soc., 23(4):713-727.
- Hutchinson, G. E., 1957.** Concluding remarks. Pages 415-427 in Population Studies: Animal Ecology and Demography. Cold Spring Harbor Symposia on Quantitative Biology, Volume 22. Cold Spring Harbor (NY): Cold Spring Harbor Laboratory Pressackson.
- Hutchinson, J., 1959.** Order Podostemales In: The Families of Flowering Plants, III Ed., 1: 579-581. Clarendon. Oxford.

- Imaichi, R., Ichiba, T. and Kato, M., 1999.** Developmental morphology and anatomy of the vegetative organs in: *Malaccotristicha malayana* (Podostemaceae). Int. J. Plant Sci. 160: 253-259.
- Imaichi, R., Maeda, R., Suzuki, K. and Kato, M., 2004.** Developmental morphology of foliose shoots and seedlings of *Dalzellia zeylanica* (Podostemaceae) with special reference to their meristems. Bot. J. Linn. Soc., 144: 289-302.
- Imamura, S., 1929.** Über *Hydrobryum japonicum* Imamura, eine neue Podostemonacee in Japan. Bot. Mag. Tokyo, 43: 332-339, pl. 2.
- Irfan-Ullah, M., Amarnath, G., Murthy, M. S. R. and Peterson A. T., 2006.** Mapping the geographic distribution of *Aglaia bourdillonii* Gamble (Meliaceae), an endemic and threatened plant, using ecological niche modeling. Biodiversity and conservation. 16: 1917-1925.
- Islam S. M. and Tanaka M., 2004.** Impacts of pollution on coastal and marine ecosystems including coastal and marine fisheries and approach for management: a review and synthesis. Mar. Pollut. Bull., 48: 624–649.
- Jäger-Zürn, I., 1967.** Embryologische Untersuchungen an vier Podostemaceen. Österr. Bot. Z., 114: 20-45.
- Jäger-Zürn, I., 1992.** Morphologie der Podostemaceae II. *Indotristicha ramosissima* (Wight) van Royen (Tristichoideae) (Morphology of Podostemaceae II. *Indotristicha ramosissima* (Wight) van Royen (Tristichoideae). – Trop. und Subtrop. Pflanzenwelt, 80: 1-48.
- Jäger-Zürn, I., 1995.** Morphologie der Podostemaceae. III. *Dalzellia ceylanica* (Gard.) Wight (Tristichoideae). Tropische und Subtropische Pflanzenwelt, 92: 1-77.
- Jäger-Zürn, I., 1997a.** Comparative morphology of the vegetative structures of *Tristicha trifaria*, *Indotristicha ramosissima* and *Dalzellia ceylanica* (Podostemaceae:Tristichoideae): a review. Aquat. Bot., 57: 71- 96.

- Jäger-Zürn , I., 1997b.** Embryological and floral studies in *Weddelina squomulosa*. Tul. (Podostemaceae. Tristichoideae) Aquat. Bot., 57: 151-182.
- Jäger-Zürn, I., 1999.** The “super-glue” of Podostemaceae is a bacterial slime, Page 89 in H. Manitz, F. H. Hellwig, eds. Symposium Biodiversität und Evolutionsbiologie. 14. Inst. Spez. Bot. Friedrich Schiller Universität, Jena.
- Jäger-Zürn, I., 2000a.** Developmental morphology of roots and root borne shoots of *Podostemum subulatum* as compared with *Zeylanidium olivaceum* (Podostemaceae-Podostemoideae). Part VII of the series Morphology of Podostemaceae Plant Syst. Evol., 220: 55-67.
- Jäger-Zürn, I., 2000b.** Crustose root and root-borne shoots of *Zeylanidium olivaceum* (Podostemaceae–Podostemoideae): part VI of the series ‘morphology of Podostemaceae.’ Flora, 195: 61-82.
- Jäger-Zürn, I., 2000c.** Developmental morphology of *Podostemum munnarensense* (Podostemaceae - Podostemoideae) as compared to related taxa. Part IX of the series ‘Morphology of Podostemaceae’. Bot. Jahrb. Syst., 122: 341-355.
- Jäger-Zürn, I., 2003.** The occurrence of apical septum in the ovary of *Rhyncholacis*, *Apinagia*, *Marathrum* and *Mourera* (Podostemoideae-Podostemaceae): taxonomic implications. Bot. Jahrb. Syst., 124: 303-324.
- Jäger-Zürn, I., 2005.** Shoot apex and spathella: two problematical structures of Podostemaceae – Podostemoideae. Plant Syst. & Evol., 253 (1-4), 209-218.
- Jäger-Zürn, I., 2009.** What is the dithecous leaf? Investigation of the Neotropical *Podostemum rutifolium* subsp. *ricciiforme* (Podostemaceae- Podostemoideae). Edinbg. J. Bot.66: 469-481.
- Jäger-Zürn, I., 2011.** Neglected features of probable taxonomic value in Podostemaceae: the case of *Polypleurum*. Flora, 206: 38-46.
- Jäger-Zürn, I. and Grubert. M., 2000.** Podostemaceae depends on sticky biofilm with respect to attachment to rocks in waterfalls. Int. J. Plant. Sci., pp. 599-604.

- Jäger-Zürn, I., Novelo, A., Philbrick., C. T. and Piepenbring., M., 2007.** Pinnately ramified ensiform leaves in the genus *Marathrum* (Podostemaceae-Podostemoideae). *Plant Syst. Evol.*, 268, 97-117.
- Jain, C. K., Bhatia, K. K. S. and Vijay, T., 1997.** Ground water quality in coastal regions of Andhra Pradesh. *Indian J. Env. Hlth.*, 39 (3): 182-19.
- Jensen, W. A., 1965.** The ultrastructure and composition of the egg and central cell of cotton. *Am. J. Bot.*, 52: 781-797.
- Joy, C. M., 1989.** Growth response of phytoplanktons exposed to industrial effluents in river Periyar. Ph.D Thesis, Cochin Univ. Kerala.
- Kadono, Y. and Usui, N., 1995.** *Cladopus austrosumiensis* (Podostemaceae), a new rheophytes from Japan. *Acta Phytotax. Geobot.*, 46 (2): 131-135.
- Kapil, R. N., 1970.** Podostemaceae In *Bull. Indian Nafl. Scr. Accad.* (Symposium volume on comparative embryology) 4, 1: 104-109.
- Kato, M., 2012.** The unique river-Weeds Podostemaceae are threatened. *J. Biodivers Endanger Species*, 1:1.
- Kato, M., Koi, S. and Kita, Y., 2004.** A new foliose-rooted genus of Podostemaceae (subfamily Podostemoideae) from Thailand with note on root evolution. *Acta Phytotax. Geobot.*, 55: 65-73.
- Kaur, H., Dhillon, S. S., Bath, K. S. and Mander, G., 1996.** Abiotic and biotic components of fresh water pond of Patiala- Punjab. *Poll. Res.*, 15(3): 253-256.
- Kita, Y. and Kato, M., 2001.** Intrafamilial phylogeny of the aquatic angiosperm Podostemaceae inferred from the nucleotide sequence of the matK gene. *Plant Biology*, 3: 156-163.
- Kita, Y. and Kato, M., 2005.** Seedling developmental anatomy of an undescribed *Malaccotristicha* species (Podostemaceae, subfamily Tristichoideae) with implications for body plan evolution. *Plant Syst. Evol.*, 254: 221-232.

- Khosla, C., 1996.** Reproductive biology of three aquatic angiosperms – *Polypleurum*, *Utricularia* and *Ceratophyllum*, Ph.D. Thesis, University of Delhi, Delhi, India.
- Khosla, C. and Mohan Ram, H.Y., 1993.** Morphology of flower, fruit & seed in *Polypleurum stylosum*. *Aquat.Bot.*, 46: 255-262.
- Khosla, C., Shivanna K.R. and Mohan Ram, H.Y., 2000.** Reproductive Biology of *Polypleurum stylosum* (Podostemaceae). *Aquat. Bot.*, 67: 143-154.
- Khosla, C., Shivanna, K. R. and Mohan Ram, H. Y., 2001.** Cleistogamy in *Griffithella hookeriana* (Podostemaceae). *South African J. Bot.*, 67: 320- 324.
- Khosla, C. and Sehgal A., 2009.** Pollination biology of *Indotristicha ramosissima* (Podostemaceae: Tristichoideae) *Aquat. Bot.*, 91: 51-56.
- Koi, S., Fujinami, R., Kubo, N., Tsukamoto, I., Inagawa, R., Imaichi, R. and M. Kato., 2006.** Comparative anatomy of root meristem and root cap in some species of Podostemaceae and the evolution of root dorsiventrality. *Amer. J. Bot.*, 93: 682-692.
- Kondratieff, B.C. and Voshell, J. R. Jr., 1981.** Influence of a reservoir with surface release on the life history of the mayfly *Heterocloeon curiosum* (McDunnough) (Ephemeroptera: Baetidae). *Canad. J. Zool.*, 59(2): 302-314.
- Lebrum, J. P. and Stork, A. L., 1991.** Enumeration des plantes à pleurs d' Afrique tropicale. 1. Généralités et Annonaceae à Pandaceae conservatoire et Jardin botaniques de Genève, Genève.
- Lechleitner, A. R. and Kondratieff, B. C., 1983.** The life history of *Pteronarcys dorsata* (Plecoptera : Pteronarcyidae). in South Western Virginia. *Canad. J. Zool.*, 61 (9): 1981-1985.
- Léonard, J. and Dessart, P., 1994.** Avis de recherche: Torridincolidés (Coleoptera) vivant en symbiose avec des podostémacées (Podostemales). *Bulletin et Annales de la Société Royale Belge d'Entomologie*, 130: 71-76.

- Leppik, E. E., 1953.** The ability of the insects to distinguish number. *Amer. Nat.*, 87: 228-36.
- Leppik, E. E. 1956.** The form and function of numerical patterns in flowers. *Amer. J. Bot.*, 43: 445-455.
- Les, D. H. and Philbrick, C. T., 1993.** Studies of hybridization and chromosome number variation in aquatic plants: evolutionary implications. *Aquat. Bot.*, 44: 181-228.
- Les, D.H., Philbrick, C. T., and Novelo, R. A., 1998.** Phylogeography of the podostemaceae sensu lato: a hypothesis of multiple tropical radiations. *Amer. J. Bot.*, 85: (Suppl.6), 141.
- Levin, D.A., 1971.** The origin of reproductive isolating mechanisms in flowering plants. *Taxon*, 20: 91-113.
- Levine, R. S., Peterson, A. T., Yorita, K. L., Carroll, D., Damon, I. K. and Reynolds, M. G., 2007.** Ecological Niche and Geographic distribution of Human monkeypox in Africa. *Plos one*, 1: 1-7.
- Lobreau-Callen, D., Le Thomas, A. and Saurez-Cervera, M., 1998.** Caracteres ultrastructuraux du pollen de quelques Podostemales. Affinites avec les Rosidae evoluees. *Comptes Rend Acad. Sci. Paris Sci. de la vie.*, 321: 335-345.
- Magnus, W., 1913.** Embryology of the Podostemaceae; *Flora*, n.s. V: 275-336.
- Maheshwari, P., 1937.** A critical review of the types of embryo sacs in angiosperms. *New Phytol.*, 36: 359-417.
- Maheshwari, P., 1941.** Recent works on the types of embryo sac in angiosperms - a critical review. *Bot. Soc.*, 20: 229-261.
- Maheshwari, P., 1945.** The place of Angiosperm embryology in research and teaching. *J. Indian. Bot. Soc.*, 24: 25-41.

- Maheshwari, P., 1947.** Tetranucleate embryo sacs in Angiosperms. *Lloydia*, 10: 1-18.
- Maheshwari, S. C., 1955.** The occurrence of bisporic embryo sacs in angiosperms – a critical review. *Phytomorphology*, 5: 67-99.
- Manilal, K. S., 1980.** Botany and History of Hortus Malabaricus. New Delhi.
- Manila, K. S. and Sivarajan. V. V., 1975.** A contribution to the hydrophytic flora of Kerala. *Proc. Nat. Acad. Sci. India*, 45 (B); IV: 225-231.
- Martinez-Meyer, E., Peterson, A. T., Servin, J. I. and Kiff, L. F., 2006.** Ecological niche modeling and prioritizing areas for species reintroduction. *Oryx*, 40: 411-418.
- Mathew, P. and Raveendran. T. P., 1995.** The genus *Polypleurum* (Podostemaceae) in Kerala. *Taxonomy and Biodiversity* ed. A. K. Pandey, pp. 134-138.
- Mathew, C. J. and Satheesh, V. K., 1997.** Taxonomy and distribution of Podostemaceae in Kerala, India. *Aquat. Bot.*, 57, 243-274.
- Mathew, C. J., Jager-Zurn, I. and Nileena, C.B., 2001.** *Dalzellia gracilis*: A new species of Podostemaceae (Tristichoideae) from Kerala, India. *Int. J. Plant. Sci.*, 162(4): 899-909.
- Mathew, C. J., Nileena, C. B. and Jager-Zurn, I., 2003.** Morphology and ecology of two new species of *Polypleurum* (Podostemaceae) from Kerala, India. *Plant. Syst. Evol.*, 237: 209-217.
- Matthiesen, F., 1908.** Beiträge zur Kenntnis der Podostemaceen. *Bibliotheca Botanica*, 1-55, 9 plates.
- Mauritzon, J., 1933.** Studien über die Embryologie der Familien Crassulaceae und Saxifragaceae. Lund: Hakan. Ohlssons.
- Meijer, W., 1976.** A note of *Podostemum ceratophyllum* Michx. as an indicator of clean streams in and around the Appalachian Mountains. *Castanea*, 41: 319-324.

- Metcalf, C R. and Chalk, L., 1950.** Anatomy of the Dicotyledons: Leaves, Stem, and Wood in Relation to Taxonomy with Notes on Economic Uses. V.2. Claredon Press, Oxford.
- Michael, P., 1984.** Ecological Methods for field and laboratory investigations. Tata McGraw Hill. New Delhi.
- Michaux, A., 1803.** *Podostemum ceratophyllum*. Flora Boreale-Americana, 2: 164.
- Misra, 1960.** Ecology work Book. Oxford & I.B.H. Publishing Co. New Delhi. pp 31.
- Mohan Ram, H.Y., 1980.** Dynamic aspects of root development. Acta Bot. Ind., 8: 115-128.
- Mohan Ram, H. Y. and Doreswamy, R., 1966.** Growth and flowering of *Utricularia inflexa* Forsk. var. *stellaris* Taylor in axenic culture; naturewissenschaften, 53:387.
- Mohan Ram, H. Y. and Kakkar. M., 1983.** Role of tissue culture in the study of aquatic plants. Bull. Bot. Surv India, 25 (1 -4): 26-34.
- Mohan Ram, H. Y. and Kapoor, A., 1974.** *In-vitro* growth and development of Horn wort; in 3rd intel. Conf. Plant Tissue Cell Culture; Leicester, U.K.
- Mohan Ram, H. Y. and Sehgal. A., 1992.** Podostemaceae - the strange family of aquatic angiosperms. The Paleobotanist, 41: 192-197.
- Mohan Ram, H. Y. and Sehgal, A., 1997.** *In-vitro* studies on developmental morphology of Indian Podostemaceae. Aquat. Bot., 57: 97-132.
- Mohan Ram, H. Y. and Sehgal, A., 2001.** Biology of Indian Podostemaceae. Phytomorphology, Golden Jubilee Issue, 2001: 361-391.
- Moline Thiv P. M., Ameka, G. K., Ghogue, J. P., Pfeifer, E. and Rutishauser, R., 2007.** Comparative morphology and molecular systematics of African Podostemaceae-Podostemoideae, with emphasis on *Dicraeanthus* and *Ledermanniella* from Cameroon. Int. J. Plant Sci., 168: 159–180.

- Muenschler, W. C., 1944.** Aquatic Plants of the United States. Cornell University Press. Ithaca. NY: 374pp.
- Mukkada, A. J., 1962a.** Some observations on the embryology of *Dicraea stylosa*. Wight In: Plant embryology, a symposium, 139-145. New Delhi: CSIR.
- Mukkada, A. J., 1962b.** Morphological and embryological studies on some Indian Podostemaceae. Ph.D. Thesis, Univ. Delhi, Delhi.
- Mukkada, A. J., 1964.** An addition to the bisporic embryo sacs – *Dicraea* type. New Phytol., 63: 289-292.
- Mukkada, A. J., 1969.** Some aspects of morphology, embryology and biology of *Terniola zeylanica* (Gardner) Tulasne. New Phytol., 68: 1145-1158
- Mukkada, A. J. and Chopra. R. N., 1973.** Post fertilization development in *Indotristicha ramosissima* (Wight) Van Royen, New Phytol., 72: 639-646.
- Murashige, J. and Skoog, F., 1962.** A revised medium for rapid growth and bioassays with tobacco tissue cultures. Physiol. Plant, 15:473-497.
- Murguía-Sánchez G, Novelo, A., Philbrick C.T. and Márquez-Guzmán G. J., 2002.** Embryo development in *Vanroyenella plumose*, Podostemaceae. Aquat. Bot., 73: 201-210.
- Nagendran, C. R., 1974.** Is the embryo sac of Podostemaceae bisporic? Curr. Sci., 43: 259-260.
- Nagendran, C. R., 1975.** Studies on Podostemaceae. Ph.D. Thesis, University of Mysore, India, 173pp.
- Nagendran, C. R., 1983.** Is the Podostemaceae thallus a root? Swamy Botanical Club Newsletter, 2(4): 104-109.
- Nagendran, C. R. and Arekal, G. D., 1976.** The embryo sac of *Griffithella hookeriana*. A re-investigation. Phytologist, 26: 359-363.

- Nagendran, C. R., Subramanayam, K. and Arekal, G. D., 1976.** Development of female gametophyte in *Hvdrobryum griffithii* (Podostemaceae): Ann. Bot., 40: 511-513.
- Nagendran, C. R. Subramanayam, K. and Arekal, G. D., 1976-77.** Distribution of Podostemaceae in India. Mysore Univ., Scct. B-Science, 27: 172-188.
- Nagendran, C. R., Arekal G. D. and Subramanyam K., 1977.** Embryo sac studies in three Indian species of *Polypleurum* (Podostemaceae). Plant Syst. Evol. 128: 215-226.
- Nagendran, C. R., Anand, V. V. and Arekal, G. D., 1980.** The embryo sac of *Podostemum subulatus* (Podostemaceae) – a reinvestigation, Plant Syst. Evol., 134: 121-125.
- Nagendran, C. R. Swamy B. G. L. and Arekal, G. D., 1981.** A morphogenetic approach to the embryogeny of *Indotristicha* (Podostemaceae): Ann. Bot. Lond. 47: 799-804.
- Nandi, H. K., 1937.** Studies in the Podostemonaceae of the Khasi hills, Assam Calcutta Univ. J. Dept. Sci. 1: 25-52.
- Narender Rao, V. and Mahmood, S. K., 1995.** Nutrient status and biological characteristics of Hubshiguda Pond. J. Envi. Poll., 2(1): 31-34.
- Nayar, M. P. and Sastry, A. R. K., 1987.** Podostemaceae in Red Data Book of Indian Plants, Botanical Survey of India, Calcutta, India.
- Nileena, C. B., 2001.** Detailed studies on the genera and species of the family Podostemaceae with particular reference to the phenomenon of Polymorphism. Ph.D. Thesis. Mahatma Gandhi University. Kottayam, Kerala.
- Noro, T., Suzuki, H. and Kanayama, T., 1994.** Water quality at the Habitat of *Hydrobryum japonicum* Imamura (Podostemaceae) in Japan. J. Jpn. Bot., 69: 167-175.
- Novelo, A. K. and Philbrick, C. T., 1993.** A new species of *Marathrum* (Podostemaceae) from Jalisco, Mexico. Novon 3, 456-458.

- Novelo, A. K. and Philbrick, C. T., 1997.** Taxonomy of Mexican Podostemaceae. *Aquat. Bot.*, 57: 275-303.
- Ohwi, J., 1965.** Flora of Japan. Smithsonian institution, Washington D.C.
- Okada, H. and Kato, M., 2002.** Pollination systems inferred from pollen-ovule ratio of some species of Podostemaceae. *Acta Phytotaxonomica et Geobotanica.*, 53: 51-61.
- O'Neill, S. P., Osborn, J. M., Philbrick, C. T. and Novelo, R. A., 1997.** Comparative pollen morphology of five new world genera of Podostemaceae. *Aquat. Bot.*, 57: 133-150.
- Oropeza, N., Mercado, P., Novelo, R. A. and Philbrick, C. T., 1998.** Karyomorphological studies of Mexican species *Marathrum* (Podostemaceae). *Aquat. Bot.*, 62: 207-211.
- Oropeza, N., Palomino, G., Novelo, R. A. and Philbrick C. T., 2002.** Karyomorphological studies in *Oserya*, *Vanroyenella* and *Tristicha* (Podostemaceae sensu lato). *Aquat. Bot.*, 73: 163-171.
- Ota, M. R., Imaichi, R. and Kato, M., 2001.** Developmental morphology of the thalloid *Hydrobryum*: implications for colonization of glaciated North America, *Aquat. Bot.*, 43: 311-325.
- Pacini, E., Franchi, G. G. and Heese, M., 1985.** The tapetum: its form, function and possible phylogeny in Embryophyta. *Plant Syst. Evol.*, 149: 155-185.
- Palser, B. F., Rouse, J. L. and Williams, E. G., 1992.** Techniques for clearing ovules for studies of megagametophyte and early post-fertilization development *Rhododendron*. *Biochem. Histochem.*, 67: 207-218.
- Pannier, F., 1960.** Physiological responses of Podostemaceae in their natural habitat; *Int. Rev. Ges. Hydrobiol.*, 45 (3): 347-354.
- Papes, M., 2006.** Ecological niche modeling approaches to conservation of endangered and threatened birds in central and eastern Europe. *Biodiversity Informatics*, 4: 14-26.

- Payne, A. I., 1986.** The Ecology of Tropical Lakes and Rivers. John Wiley, Chichester.
- Pearson, R. G. and Dawson, T. P., 2003.** Predicting the impacts of climate change on the distribution of species: Are bioclimate envelope models useful? *Global Ecology and Biogeography*, 12: 361-371.
- Pearson, R. G., Raxworthy, C. J., Nakamura, M. and Peterson, A. T., 2007.** Predicting species distributions from small numbers of occurrence records: A test case using cryptic geckos in Madagascar. *J. Biogeog.*, 34: 102-117.
- Peterson, A. T., 2003.** Predicting the geography of species' invasions via ecological niche modeling. *Quarterly Rev. of Bio.*, 78: 419-433.
- Peterson, A. T., 2006.** Uses and requirements of ecological niche models and related distributional models. *Biodivers. Informatics*, 3: 59-72.
- Peterson, A.T. and Vieglais, D.A., 2001.** Predicting species invasions using ecological niche modeling: New approaches from bioinformatics attack a pressing problem. *Bioscience*, 51(5): 363-371.
- Peterson, A. T., Soberon, J. and Sanchez-Cordero, V., 1999.** Conservatism of ecological niches in evolutionary time. *Science*, 285: 1265-1267.
- Peterson, A. T., Martinez-Campos, C., Nakazawa, Y. and Martinez-meyer, E., 2005.** Time-specific ecological niche modelling predicts spatial dynamics of vector insects and human dengue cases. *Transactions of the Royal Society of Tropical Medicine and Hygiene*, 99: 647-655.
- Pfeifer, E., Grob, V., Thiv, M., and Rutishauser. R., 2009.** *Stonesia ghoguei*, peculiar morphology of a new Cameroonian species (Podostemaceae, Podostemoideae). *Novon*, 19: 102-116.
- Philbrick, C. T., 1981.** Some notes regarding pollination in a New Hampshire population of *Podostemum ceratophyllum* Michx. (Podostemaceae). *Rhodora*, 83: 319-321.

- Philbrick, C. T., 1984.** Aspects of floral biology, breeding system and seed and seedling biology in *Podostemum ceratophyllum* (Podostemaceae). *Syst. Bot.*, 9 (2): 166-174.
- Philbrick, C. T., 1997.** Introduction to Podostemaceae. *Aquat. Bot.*, 57: 1-4.
- Philbrick, C. T. and Anderson, G. J., 1987.** Implications of pollen/ovule ratio and pollen size for the reproductive biology of *Potamogeton* and autogamy in aquatic angiosperms. *Syst. Bot.*, 12: 98-105.
- Philbrick, C. T. and Bogle, A. L., 1988.** A survey of floral population in five populations of *Podostemum ceratophyllum* Michx. (Podostemaceae). *Rhodora*, 90 (862): 113-121 (198).
- Philbrick, C. T. and Crow, G. E. 1983.** Distribution of *Podostemum ceratophyllum* Michx. (Podostemaceae). *Rhodora*, 85: 325-341.
- Philbrick, C. T. and Crow, G. E., 1993.** Isoenzyme variation and population structure in *Podostemum ceratorpyllum* Michx (Podostemaceae): Implication for colonization of glaciated North America. *Aquat. Bot.* 43: 311-325.
- Philbrick, C. T. and Les, D. H., 1996.** Evolution of aquatic angiosperm reproductive systems. *BioScience*, 46: 813-826.
- Philbrick, C. T. and Novelo, R. A., 1994.** Seed germination of Mexican Podostemaceae. *Aquat. Bot.*, 48: 145-151.
- Philbrick, C. T. and Novelo, R. A., 1995.** New World Podostemaceae: Ecological and evolutionary enigmas. *Brittonia*, 47 (2): 210-222.
- Philbrick, C. T. and Novelo, R. A., 1997.** Ovule number and seed size in Mexican and North American species of Podostemaceae. *Aquat. Bot.*, 57: 183-200.
- Philbrick, C. T. and Novelo, R. A., 1998.** Flowering phenology, pollen flow, and seed production in *Marathrum rubrum* (Podostemaceae). *Aquat. Bot.*, 62: 199-206.
- Philipose, M. T., 1967.** Chlorococcales – Indian Council of Agricultural Research. New Delhi, pp.365.

- Prychid, C. J., Furness, C. A. and Rudall, P. J., 2004.** Systematic significance of cell inclusions in haemodoraceae and allied families: silica bodies and tapetal raphides. *Ann. Bot.*, 92: 571-580.
- Quiroz, F. A., Novelo. R. A. and Philbrick, C. T., 1997.** Water chemistry and distribution of Mexican Podostemaceae - a preliminary evaluation. *Aquat. Bot.*, 57: 201-212.
- Radhika, C., Mini, I. and Ganga Devi, T., 2004.** Studies on abiotic parameters of tropical fresh water lake Vellayani lake- Trivandrum, Kerala. *Poll. Res.*, 23(1): 49-69.
- Raghavan, V., 2003.** Some reflections on double fertilization, from its discovery to the present. *New Phytol*, 159: 565-583.
- Rai, L. C., 1978.** Ecological studies of algal communities of the Ganges river at Varanasi, *Indian. J. Ecol.*, 5(1): 1-6.
- Ramamurthy, K. and Joseph, J., 1964.** A new species of *Dicraea* from South India. *Bull. Bot. Surv. India*, 6: 333-334.
- Rao, S., 1981.** Growth and Morphogenesis in *Limnophila*. Ph.D Thesis, Univ. Delhi, Delhi, India, 216pp.
- Raveendran, T. P., 1995.** Histotaxonomic studies on the family Podostemaceae of Kerala. Ph.D. Thesis. Cailcut Univ., Kerala.
- Razi, B. A., 1949.** Embryological studies of two members of Podostemaceae, *Bot. Gaz.* 111: 211-218.
- Razi, B. A., 1955.** Some aspects of the embryology of *Zeylanidium olivaceum* (Tul.) Engl; *Bull. Bot. Soc. Beng.*, 9: 36-41.
- Razi, B. A., 1966.** Some observations of the embryology of the Podostemaceae. *Prec. Autumn Sch. Bot. Mahabaleshwar (India)*, 303-315.
- Rendle, A. B., 1925.** Family V: Podostemaceae. In: *The Classification of Flowering Plants*. 326 - 331. Publ. Univ. Press, Cambridge.

- Reyes-ortega, I., Sánchez-Coronado, M. E. and Orozco-segovia, A., 2009.** Seed germination in *Marathrum schiedeanum* and *M. rubrum* (Podostemaceae). *Aquat. Bot.*, 90:13-17.
- Richards, A. J. 1986.** Plant breeding systems. George Allen & Unwin, London, pp. 529.
- Romano, G. R. and Dwyer, J. D., 1971.** A demonstration of phloem in the Podostemaceae. *Bull. Torrey. Bot. Club*, 98 (1): 46-48.
- Ruhfel, B. R., Gustafsson, M. H. G., Bittrich, V., Philbrick, C. T., Rutishauser, R., Stevens, P. F., Xi, Z. and Davis, C. C., 2011.** Phylogeny of the clusoid clade (Malpighiales): evidence from the chloroplast and mitochondrial genomes. *Amer. J. Bot.*, 98(2): 306-325.
- Rutishauser, R., 1997.** Structural and developmental diversity in Podostemaceae (riverweeds). *Aquat. Bot.*, 57: 29-70.
- Rutishauser, R. and Grubert, M., 1994.** The architecture of *Mourera fluviatilis* (Podostemaceae): mature structure and leaf development, *Bot. Helv.*, 104: 179-194.
- Rutishauser, R. and Grubert, M., 1999.** The architecture of *Mourera fluviatilis* (Podostemaceae): developmental morphology of inflorescences, flowers and seedlings. *Amer. J. Bot.*, 86 (7): 907-922.
- Rutishauser, R. and Grubert, M., 2000.** Developmental morphology of *Apinigia multibranchiata* (Podostemaceae) from the Venezuelan Guyanas. *Bot. J. Linn. Soc.*, 132: 299-323.
- Rutishauser, R. and Huber, K. A., 1991.** The developmental morphology of *Indotristicha ramosissima* (Podostemaceae - Tristichoideae); *Plant. Syst. Evol.*, 187 (3-4): 195-223.
- Rutishauser, R., Novelo, R. A. and Philbrick C. T., 1999.** Developmental morphology of New World Podostemaceae: *Marathrum* and *Vanroyenella*. *Int. J. Plant Sci.*, 160 (1): 29-45.

- Rutishauser, R., Pfeifer, E., Novelo, R. A. and Philbrick, C. T., 2005.** *Diamantina lombardii*- an odd Brazilian member of the Podostemaceae. *Flora.*, 200: 245-255.
- Sanavar, Uniyal, P. L. and Suman, S., 2005.** Morphology and distribution of Podostemaceae in India. In: *Frontiers in Plant sciences.* pp: 809-862. I. K. International Pvt. Ltd., New Delhi, India.
- Sanavar, Govindapuri, H. and Uniyal P. L., 2008.** Studies on *in-vitro* seed germination and origin and development of prostrate plant body in *Zeylanidium lichenoides*. *Phytomorphology*, 58(1&2):73-79.
- Sand-Jensen, K., Jeppesen, E., Nielsen, K., Van Der Bijl, L., Hjermand. L., and Nielsen, L. W., 1989.** Growth of macrophytes and ecosystem consequences in a lowland Danish stream. *Freshwat. Biol.*, 22:15-32.
- Schnell, R. A. A., 1967.** Etudes sur l'anatomie et la morphologie des Podostemacees. *Candollea*, 22: 157-225.
- Schnell, R. A. A., 1998.** Anatomie des podostémacées. In: Landoldt, E., Jäger-Zürn, I., Schnell, R. A. A. (Eds.), *Extreme adaptations in Angiospermous hydrophytes.* Encyclopedia of Plant Anatomy XIII, vol. 4. Bornträger, Berlin/Stuttgart, pp. 197-283.
- Schnell, R. and Cusset, G., 1963.** Remarques sur la structure des plantules de Podostemonaceae. *Adansonia*, 3: 358-369.
- Sculthorpe, C. D., 1967.** *The Biology of Aquatic Vascular Plants;* Edward Arnold (Publ.) Ltd., London.
- Sehgal, A., 1976.** Some Aspects of Developmental Biology of *Ceratophyllum*. Ph. D. Thesis, Univ. of Delhi, 99 pp.
- Sehgal, A., Mohan Ram, H. Y. and Bhatt, J. R., 1993.** *In-vitro* germination, growth, morphogenesis and flowering of an aquatic angiosperm, *Polypleurum stylosum* (Podostemaceae): *Aquat. Bot.*, 45: 269 - 283.

- Sehgal, A., Sethi, M. and Mohan Ram, H. Y. 2002.** Origin, structure and interpretation of the thallus in *Hydrobryopsis sessilis* (Podostemaceae). Int. J. Plant Sci., 163: 891-905.
- Sehgal, A., Khurana J. P., Sethi, M. and Ara, H., 2010.** Occurrence of unique three-celled megagametophyte and single fertilization in an aquatic angiosperm - *Dalzellia zeylanica* (Podostemaceae-Tristichoideae). Sex. Plant Reprod. (DOI 10.1007/s00497-010-0159-3).
- Shinobu, R., 1952.** Studies on the stomata of *Potamogeton*. Bot. Mag Tokyo, 65: 56-60.
- Sikolia, S. and Ochora, P., 2008.** Female gametophyte in Tristichoideae (Podostemaceae): re-investigation. J. Biol. Sci., 8: 1158-1165.
- Sikolia, S. and Onyango, J. C., 2009.** Female gametophyte in two Kenyan species of Podostemaceae. Res. J. Bot., 4: 29-39.
- Simpson, M. G., 2006.** Plant Systematics. Elsevier Academic Press, Oxford.
- Sioli, H., 1986.** Tropical continental aquatic habitats. In: Conservation biology.(ed.) M, Soule, Sinauer Associates. Sunderland M. A., pp: 383-393.
- Soberón, J., and Peterson, A. T., 2004.** Biodiversity informatics: Managing and applying primary biodiversity data. Philosophical Trans. Royal Soc. London, B 359: 689-698.
- Soberón, J. and Peterson, A. T., 2005.** Interpretation of models of fundamental ecological niches and species' distributional areas. Biodiversity Informatics, 2: 1-10.
- Solereeder, H., 1908,** Systematic Anatomy of the Dicotyledons. Oxford: Clarendon Press.
- Solereeder, H., 1913.** Systematisch-anatomische Untersuchung des Blattes der Hydrocharitaceen. Beih.Bot. Zbl., 30: 24-104.

- Soltis, D. E., Mort, M. E., Soltis, P. S., Hibsich-Jetter, C., Zimmer, E. A. and Morgan, D., 1999.** Phylogenetic relationships of the enigmatic angiosperm family, Podostemaceae, inferred from 18s rDNA and rbcL sequence data. *Molec. Phylogenet. Evol.* 11: 261-272.
- Spence, D. H. N., 1964.** The macrophytic vegetation of lochs, swamps and associated fens. In: *The Vegetation of Scotland* (Ed. J. H. Burnett), Oliver and Boyd, Edinburgh, pp. 306-425.
- Sprague, T. A., 1933.** Podostemaceae or Podostemonaceae. *Kew. Bull.*, 46: 46.
- Sreenivasan, R., Sapath, M. P. and Ananthanarayanan, R., 1980.** Pollution of river Cauvery from industrial and urban wastes. *Proc. Symp. Environ. Trivandrum*, pp. 178-190.
- Stace, C. A., 1989.** *Plant taxonomy and Biosystematics*. II Edition. New York.
- Stebbins, G. L. Jr., 1973.** Evolutionary trends in the inflorescence of angiosperms. *Flora*, 162: 501-528.
- Steude, H., 1935.** Beiträge zur Morphologie und Anatomie von *Mourera aspera*. *Beihefte zum Botanischen Centralblatt*, 53: 627-650.
- Subbamma, D. V. and Rama, S., 1992.** Studies on the water quality characteristics of Temple pond, near Machilipatnam, (A.P.) *J. Aqua. Biol.*, 7(1/2): 22-27.
- Subramanyam, K., 1962.** Family Podostemaceae in *Aquatic Angiosperms*, Botanical Monograph No. 3, p. 43-51, f. 141 - 147, C.S.I.R. Publ., Delhi, India.
- Subramanyam, K. and Sreemadhavan, C. P., 1969.** A concept of the families Podostemaceae and Tristichaceae; *Bull. Bot. Stcrv. India*, 11: 161-168.
- Suzuki, K., Kita, Y. and Kato, M., 2002.** Comparative developmental anatomy of seedlings in nine species of Podostemaceae (Sub-family Podostemoideae). *Ann. Bot.*, 89: 755-765.
- Swamy, B. G. L. and Krishnamurthy, K. V., 1975.** Embryo sac ontogenies in angiosperms-an elucidation. *Phytomorphology*, 25: 12-18.

- Szafer, W., 1952.** A member of the family Podostemaceae in the Tertiary of the West- Carpathian mountains. Acta. Soc. Bot. Polon, 21: 747-769.
- Takhtajan, A., 1980.** Outline of the classification of flowering plants (Magnoliophyta) Bot.Rev., 46: 226-339.
- Takhtajan, A., 1997.** Diversity and Classification of Flowering Plants. Columbia University Press, New York.
- Tavares, A. S., 1997.** Podostemaceae de alguns rios de água preta do Estado dos Amazonas. Ph.D. Thesis, Universidade Federal do Amazonas, Instituto Nacional de Pesquisas da Amazônia-INPA, Manaus, Brasil.
- Taylor, G., 1954.** Podostemaceae. In Flora of West Tropical Africa. 2nd ed. R.W. Keay Crown Agents, London.
- Thorne, R. F., 1992.** An updated phylogenetic classification of the flowering plants. Aliso, 13: 365 - 389.
- Tiwari, D. R., 2001.** Hydrogeo-chemistry of underground water in and around Chatarpur city. Indian Environ. Hlth. V. 43.4: 176.
- Tiwari, A. and Chauhan, S. V.S., 2006.** Seasonal phytoplankton diversity of Kitham Lake, Agra. J. of Environ. Biol., 27: 35-38.
- Tulasne, L. R., 1852.** Monographia Podostemacearum. Arch. Mus. Natl. Hist. Nat. Paris, 6: 1-208.
- Tur, N. M., 1997.** Taxonomy of Podostemaceae in Argentina. Aquat.Bot., 57: 213-241.
- Ueda, K., Hanyuda. T. Nakano. A., Shiuchi, T., Sea, A., Okubo, H. and Hotta, M., 1997.** Molecular phylogenetic position of Podostemaceae a marvelous aquatic flowering plant family. J. Plant. Res., 110: 87-92.
- Uma, M. C. and Mohan Ram, H. Y. 1972.** *In-vitro* culture of *Vallisneria spiralis*. Phytomorphology, 22: 121-124.

- Uniyal, P. L. 1999.** Studies on *Indotristicha tirunelveliana*, Sharma Karthik and Shetty (Podostemaceae): an endemic, rare and enigmatic taxon, Flora, 194: 169-178.
- Uniyal, P. L., 2001.** Some aspects of biology of *Hydrobryopsis sessilis* (Willis) Engl. (Podostemaceae). Beitr. Biol. Pflanzen, 72: 75-88.
- Uniyal, P. L. and Mohan Ram, H. Y., 1996.** *In-vitro* germination and seedling morphology of *Dalzellia zeylanica* (Gardner) Wight (Podostemaceae). Aquat. Bot., 54: 59-71.
- Uniyal, P. L. and Mohan Ram, H. Y., 2001.** Studies on the morphology and *in-vitro* seed germination in *Willisia selaginoides* (Bedd.) Warm. Ex Willis (Podostemaceae). Flora, 196: 370-380.
- Van Royen, P., 1951.** The Podostemaceae of the New world, Part I; Meded. Bor. Mus. Herb. Rijks. I. Univ. Utrecht., 107: 1-51.
- Van Royen, P., 1953.** The Podostemaceae of the New World, Part II; Acta Bot. Neerl., 2: 1-21.
- Van Royen, P., 1954.** The Podostemaceae of the New World, Part III: Acta Bot. Neerl., 3: 215- 263.
- Van Steenis, C. G. G. I., 1981.** Rheophytes of the World. An Account of the Flood Resistant Flowering Plants and Ferns and the Theory of Autonomons Evolution. Sijthoff and Noordhoff. Netherlands. pp. 408.
- Vartak, V. D. and Bhadbhade. M., 1973.** Family Podostemaceae from Maharashtra and Goa: J. Univ. of Poona. Sci. and Technol., No 44: 18 1-197.
- Vartak, V. D. and Kumbhojkar, M. S., 1989.** Palynological study of the family Podostemaceae from Western India; Biovigyanam, 10: 89-92.
- Venkateshwarulu, V., 1969.** An ecological study of the algae of the river Mossi, Hyderabad (India) with Special reference to water pollution. Physico – chemical complex. Hydrobiol., 33: 117-143.

- Vidyashankari, B., 1988a.** Seed germination and seedling morphology in *Indotristicha ramosissima* (Podostemaceae) grown *in-vitro*. Curr. Sci., 57: 369-373.
- Vidyashankari, B., 1988b.** Developmental biology of *Griffithella hookeriana*, Ph.D. Thesis, University of Delhi, Delhi, India.
- Vidyashankari, B., 1988c.** Seed germination and seedling morphology of *Indotristicha ramosissima* (Podostemaceae), Aquat. Bot., 28: 161-169.
- Vidyashankari, B. and Mohan Ram, H. Y., 1987.** *In-vitro* germination and origin of thallus in *Griffithella hookeriana* (Podostemaceae), Aquat. Bot., 28: 161-169.
- Vijayakumar, K., 1995.** Fresh Water Ecosystems of India. Daya publishing House pp. 99.
- Vijayakumar, K., Holkar, D. and Kaur, K. 1999.** Limnological studies on Chandrapalli reservoir, Gulbaga. In. Fresh Water Ecosystem of India. (Ed. K. Vijayakumar). Daya Publishing House, Delhi.
- Vyas, L. N., 1968.** Studies in phytoplankton ecology of Pichhola Lake, Udaipur. Proc. Symp. Recent Adv. Trap. Ecol., pp. 334-347.
- Wagh, N. S., 1998.** Hydrobiological Parameters of Harsul Dam in Relation to Pollution, Ph.D. Thesis, BAM University, Aurangabad.
- Waisel, Y. and Agami, M., 1991.** Ecophysiology of roots of submerged aquatic plants. In: Waisel Y, Eshel A, Kafkafi U ed. Plants Roots: the Hidden Half. NewYork: Marcel Dekker. pp. 887-905.
- Warming, E., 1881.** Familien Podostemaceae I, Kongel, Dansk. Vidensk, Selsk, Skrift. 2: 1-34.
- Warming, E., 1882.** Familien Podostemaceae, Kongel Dansk. Vidensk. Selsk. Skrift, 6, Raekke 2: 79-130.
- Warming, E., 1891.** Familien Podostemaceae IV, Kongel Dansk. Vidensk. Selsk. Skrift, 7: 136-144.

- Weddell, H. A., 1873.** Podostemaceae In: DC Prodroraus, 17: 39 - 89.
- Weir, C. E. and Dale, H. M., 1960.** A developmental study of wild rice *Zizania aquatic* L. Cam J. Bot., 38: 719-739.
- Welch, P.S., 1952.** Limnology 2nd ed. N.Y.McGraw Hill Book Co. p. 536.
- Went, F. A. F. C., 1908.** The Development of the ovule, embryo sac and egg in Podostemaceae: Reel Trav. Bot. Neerl., 5: 1-16.
- Went, F. A. F. C., 1909.** Morphological and histological peculiarities of the Podostemaceae, proceeding of the International Congress of Plant sciences, 1: 351-358.
- Went, F. A. F. C., 1910.** Untersuchungen liber Podostemaceen. I. Verh. K. Akad. Wet. II, 16, i.
- Went, F. A. F. C., 1912.** Untersuchungen iiber Podostemaceen. II. Verh. K. Akad. Wet. II, 17, i.
- Went, F. A. F. C., 1926a.** Morphological and histological peculiarities of the Podostemaceae, Proceeding of the International Congress of Plant Sciences, 1: 351-358.
- Went, F. A. F. C., 1926b.** Untersuchungen über Podostemaceen. III. – Verh.K Akad. Wetensch, 25: 1-58.
- Westlake, D. F., 1975.** Macrophytes In: River Ecology. Whitton. B.A. (ed.) Blackwell Scientific Publication Oxford, (10.2), pp: 106-128.
- Wetzel, R. G., 1983.** Limnology, 2nd Edition. Saunders College Publishing, Philadelphia, PA.
- Wetzel, R. G., 1975.** Primary Production River Ecology. Blackwell Scientific Publication, Oxford.
- Weyland, H., 1937.** Beiträge zur Kenutnis der rheinischon tertiar flora II. Palaeontographica Abt. B., 83: 67-122.

- Willis, J. C., 1902a.** Studies in the morphology and ecology of the Podostemaceae of Ceylon and India, Ann. Royal Bot. Gard. Peradeniya, 1: 267-465.
- Willis, J. C., 1902b.** A revision of the Podostemaceae of India and Ceylon. Ann. Roy. Bot. Gard. Peradeniya, 1: 181-250.
- Willis, J. C., 1902c.** On the dorsiventrality of the Podostemonaceae with reference to current views on evolution: Ann. Bot., 16: 593-594.
- Willis, J. C., 1914.** A new natural family of flowering plants: Tristichaceae. J. Linn. Soc. Bot., 43: 49-54.
- Willis, J. C., 1915a.** The origin of Podostemaceae and Tristichaceae. Ann. Bot., 29:299-306.
- Willis, J. C., 1915b.** A natural family of flowering plants Tristichaceae: J. Linn. Soc. (Bot.), 33: 49.
- Willis, J. C., 1915c.** The origin of Tristichaceae and Podostemaceae: Ann. Bot., 40: 299-306.
- Willis, J. C., 1926a.** The evolution of Tristichaceae and Podostemaceae. Ann. Bot., 40: 349-367.
- Willis, J. C., 1926b.** Age and Area. Q. Rev. Biol, I, 553.
- Wilson, C. D., Roberts, D. and Reid, N., 2011.** Applying species distribution modeling to identify areas of high conservation value for endangered species: A case study using *Margaritifera margaritifera* (L.) Biological Conservation, 144: 821-829.
- Wilson, E. O., 1988.** Biodiversity. Washington, DC: National Academy Press.
- Wright, R., 1852.** Icones Plantarum Indiae Orientalis. 5: 31-35 Hafner Publishing Co., New York.