

REFERENCES

- Abbott, A. J. and Atkin, R. K. (1987). *Improving Vegetatively Propagated Crops*. New York: Academic Press.
- Adegunloye, D. V., Adetuyi, F. C., Akinyosoyi, F. A. and Doyeni, M. O. (2007). Microbial Analysis of Compost Using Cow Dung as Booster. *Pak. J. Nutr.* 6: 506-510.
- Ahloowalia, B. S., Prakash, J., Savangikar, V. A. and Savangikar, C. (2002). *Proceedings of a technical meeting organized by the FAO/ IAEA Division of Nuclear techniques in Food and Agriculture*, Vienna: 3-10.
- Ahmed, M. (2005). *Hand book of Medicinal and Aromatic Plants*. North Eastern Development finance Corporation Limited.33-38.
- Akerele, O., Heywood, V. and Syngé, H. (1991). *Conservation of Medicinal Plants*. Cambridge University Press.
- Ali, M., Malik, A. R. and Sharma, K. R. (2008). Vegetative propagation of *Berberis aristata* DC. An endangered Himalayan shrub. *Journal of Medicinal Plants Research*. 2(12):374-377.
- Anderson, J. M. and Ingram, J. S. I. (1993). *Tropical Soil Biology and Fertility*. A Handbook of Methods. CAB International, Wallingford, U.K.
- Anon (2002). *Assessing the Impacts of Commercial Captive Breeding and Artificial Propagation on Wild Species Conservation*. IUCN/ SSC Workshop. 7-9 December 2001. Jacksonville. Draft Workshop Report- Cambridge. IUCN /SSC Wildlife Trade Programme. (Unpublished Report).
- Anon (2012). *Critically Endangered*, Ministry Of Environment and Forests, Press Information Bureau. Government of India, New Delhi.
- Anonymous (2001). *Newsletter, National Research Centre for Medicinal and Aromatic Plants*, Anand, Gujarat. 3(1): 1-6.
- Anonymous. (2000). *The Biome News, Department of Biotechnology, Goi, New Delhi*. 1(1): 1-6.

- Arditti, J. (1982). . *Orchid Biology, Reviews and Prospective*. Cornell University Press, New York.
- Arditti, J. and Ernst, R. (1993). *Micropropagation of Orchids*. John Wiley and Sons, New York.
- Arditti, J., Clements, M. A., Fast, G., Hodley, N. G. and Ernst, R. (1982). ‘Orchid seed germination and seedling culture A Manual’, in, J. Arditti (Ed), *Orchid Biology, Reviews and Perspectives*. (Vol II,). Cornell University Press, New York: 243-370.
- Atiyeh, R. M., Arancon, N., Edwards, C. A. and Metzger, J. D. (2000). Influence of Earthworm-Processed Pig Manure on the Growth and Yield of Greenhouse Tomatoes. *Bioresource Technology*. 75: 175-180.
- Avery, J. D. and Beyl, C. B. (1991). Propagation of Peach Cutting Using Foam Cubes. *HORT. SCIENCE*. 26(9): 1152-1154.
- Avila-Diaz, I., Oyama, K., Gomez-Alonso, C. and Salgado-Garciglia, R. (2009). *In Vitro* Propagation of the Endangered Orchid *Laelia speciosa*. *Plant Cell Tiss Organ Cult*. 99:335–343.
- Ayisha, T.P. (1997). Yield and Quality of *Piper longum* L. Under Different Spacing and Manurial regimes in Coconut Gardens. M. Sc. Thesis. Kerala Agricultural University, Thrissur: 88.
- Banday, A., Ahmed Nawchoo, I., Ahmed Kaloo, Z., Shabir, P. A. and Rather A. A. (2014). Efficient Propagation of An Endangered Medicinal Plant *Jurinea dolomiaea* Boiss. in the North Western Himalaya Using Rhizome Cuttings *Ex Situ* Conditions. *Journal of Plant Breeding and Crop Science*. 6(9): 114-118.
- Bapat, V. A., Yadav, S. R. and Dixit, G. B. (2008). Rescue of Endangered Plants through Biotechnological Applications. *Natl. Acad. Sci.Lett*. 31: 201-210.

- Barbhuiya, A. R., Sharma, G. D., Arunachalam, A. and Deb, S. (2009). Diversity and Conservation of Medicinal Plants in Barak Valley, Northeast India. *Indian Journal of Traditional Knowledge*. 8(2): 169-175.
- Basak, A. B. and Lee, M. W. (2002). *In Vitro* Inhibitory Activity of Cow Urine and Cow Dung of *Fusarium solani* F. Sp. Cucurbitae. *Microbiology*. 30: 51-54.
- Bhattacharjee, B. (2009). Studies on Diversity of Orchid Flora in Southern Assam and Their Conservation. Ph.D Thesis, Assam University, Silchar.
- Bhattacharjee, B. and Dutta, B. K. (2009). *Lagerstroemia reginae* Roxb. - An Ideal Host Supporting Orchid Species of Barak Valley, Southern Assam. *The Indian Forester*. 135(11): 1515-1525.
- Bhattacharjee, B. and Dutta, B. K. (2009). Orchids of Southern Assam (Barak Valley): A Systematic Approach. *Oasis The Journal*. 4(2): 6-12.
- Bhattacharjee, B., Dutta, B. K. and Hajra, P.K. (2005). *Paphiopedilum spicerianum* (Reichb.f.) Pfitz, a Fast Disappearing Lady's Slipper Orchid in Cachar District, Assam. *J. Orchid. Soc. India*. 19(1-2): 71-72.
- Bhattacharjee, B., Tandon, P., Dutta, B. K. and Kumaria, S. (2010). *In Vitro* Asymbiotic Seed Germination of *Dendrobium densiflorum* Lindl. *J. Orchid Soc. India*. 24 (1-2): 57-60.
- Bhattacharjee, S., Das, A. K. and Dutta, B. K. (2012). Study Of Medicinal Plants Used By Santhal and Munda Communities Of Cachar District. Assam. *Assam University Journal of Science and Technology. Biological and Environmental Science*. 10(1): 52-65.
- Bisht, A. S. and Bhatt, A. B. (2014). Effect of Hormonal and Soil Treatment on the Growth Performance of Valuable Medicinal Plant *Acorus calamus* Linn. *World Journal of Pharmacy and Pharmaceutical Sciences*. 3(5): 1156-1168.

- Boe, A. A., Steward, R. B. and Banko, T. J. (1972). Effect of Growth Regulators on Root and Shoot Development of Sedum Leaf Cuttings. *Hortscience*.74 (4): 404-405.
- Bopaiah, A. K., and Jorapur, S. M. (1986). 'Studies on Growth and Development of *Cymbidium aloifolium* Sw. Seedling *In Vitro*', in, S. P. Vaj (Ed.), *Biology, Conservation and Culture of Orchids*. Affiliated East- West Pvt. New Delhi: 429-435.
- Bora, R. K., Basumatary, N. and Sharma, C. M. (2009). A Systematic Approach to the Orchids of Golaghat District, Assam. *Journal of Advanced Plant Science*. 4(3): 8-13.
- Borah, N. and Garkoti, S. C. (2011). Tree Species Composition, Diversity and Reegeration Pattern in Undisturbed and Disturbed Forests of Barak Valley, South Assam, India. *International Journal of Ecology and Environmental Sciences*. 37(3):131-141.
- Borah, N. J., Dutta, B. K., Mazumdar, P. B. and Das, A. K. (2013). *Smilax glabra* Roxb.: A Less Known Wild Medicinal Plant of North East India and Its Conservation. *Journal of Non Timber Forest Product*. 20 (4): 249-252.
- Bunce, J. A. (1984). Effect of Humidity on Photosynthesis. *J. of Exp. Bot*. 65:1245-1251.
- Bunt, A. C. (1988). *Media and Mixes for Container-Grown Plants*. 2nd Edition. Unwin Hymnan Ltd., London.
- Butola, J. S. and Badola, H. K. (2006). Effects of Growing Medium on Vegetative Propagation of the Himalayan Endangered Medicinal Plants, *Angelica glauca* and *Heracleum candicans*, Using Rhizome Segments. *Journal of Hill Research*. 19(2): 65-70.
- Butola, J. S. and Badola, H. K. (2007). Vegetative Propagation of The Medicinal Plants *Angelica glauca* and *Heracleum candicans*, *J. Trop. Med. Plants*. 8(1):85-91.

- Butola, J. S., Samant, S. S., Vashistha, R. K. and Malik, A. R. (2010). 'Propagation and Cultivation Techniques for *Heracleum candicans* Wall.: A Himalayan Medicinal Resource in Peril', in, Chandra Prakash Kala (Ed.), *Medicinal Plants and Sustainable Development* (ISBN 978-1-61761-942-7):1-16.
- Butola, J. S., Vashistha, R. K., Samant, S.S. and Malik, A.R. (2010). Technology for propagation and cultivation of *Angelica glauca* edgew. a threatened high value Himalayan medicinal cum edible herb. *Medicinal Plants*. 2(1): 67-72.
- Campbell, E. O. (1964). Nongreen Orchids in Newzealand. In. Proc. 4th World Orchid Conference. 291-295.
- Change, C. and Chang, W. C. (1998). Plant Regeneration from callus Culture of *Cymbidium ensifolium* var. *Misericors*. *Plant Cell Rep*. 17: 251-255.
- Chen, T. Y., Chen, J. T. and Chang W. C. (2002). Multiple Shoot Formation and Plant Regeneration from Stem Nodal Explants of *Paphiopedilum* Orchids. *In Vitro Cell. Dev. Biol. Plant* 38:595-597.
- Chen, T. Y., Chen, J. T. and Chang W. C. (2004). Plant Regeneration through Direct Shoot Bud Formation from Leaf Cultures of *Paphiopedilum* Orchids. *Plant Cell Tissue Organ Cult*. 76:11-15.
- Chen, Y., Goodale, U. M., Fan, X. and Gao. (2015). Asymbiotic Seed Germination and *In Vitro* Seedling Development of *Paphiopedilum spicerianum*: An Orchid with An Extremely Small Population in China. *Global Ecology and Conservation*. 3: 367–378.
- Cheng, Z. M., Yi Li. And Zhang, Z. (2008). 'Plant Growth Regulators Used in Propagation', in, C. A. Beyal, and R. N. Trigiano (Ed.), *Plant Propagation Concepts and Laboratory Exercises*, CRC Press: 143-150.
- Chien, N. Q. and Adam, G. (1979). Über Die Inhaltstoffe Von *Smilax glabra* Roxb. The Constituents of *Smilax glabra* Roxb. *Pharmazie* 34(12): 841-843.

- Chong, C. (2008). 'Media and Containers for Seed and Cutting Propagation and Transplanting', in, C. A. Beyal, and R. N. Trigiano (Ed.), *Plant Propagation Concepts and Laboratory Exercises*, CRC Press: 43-56.
- Choudhury, S. (2005). *Assam's Flora. Present Status of Vascular Plants*. Assam Science, Technology & Environment Council, Guwahati.
- Clements, M. A. (1981). 'The germination of Australian orchid seeds', in, *Proceedings of the orchid symposium Paper presented 13th International Botanical Congress, Sydney, Australia*.
- Das, A. K., Dutta, B. K. and Sharma, G. D. (2008). Medicinal Plants Used By Different Tribes of Cachar District. Assam. *Indian Journal of Traditional Knowledge*. 7(3): 446-454.
- Das, A. K., Dutta, B. K. and Sharma, G. D. (2011). Ethnobotanical Study of H'mar Tribe of Southern Assam. *Assam University Journal of Science and Technology. Biological and Environmental Science*. 8(1): 8-18.
- Das, A. K., Dutta, B. K., Sharma, G. D. and Hajra, P. K. (2010). *Medicinal Plants of Southern Assam*. Deep Publication: 203.
- Das, A. K., Sharma, G.D. and Dutta, B.K. (2004). Study of Plant Bio Diversity and Its Conservation in Hailakandi District, Assam, India, Part I Flora. *J. Econ. Taxon. Bot.* 28(1):213-228.
- Das, P. S., Dutta Choudhury, M. and Dutta, B. K. (2013). *Flora of Barak Valley, Assam with Their Economic Utility, Vol 1. Herbaceous Flora*. Regency Publications.
- Das, S., Dutta Choudhury, M. and Mazumder, P. B. (2013). *In Vitro Propagation of Arundina graminifolia D. Don. Hochr- a Bamboo Orchid. Asian J. Pharm Clin Res*, 6 (5): 156-158.
- Das, S., Dutta, P. K. and Dutta, B. K. (2002). 'Ethnobotanical Studies of Barak Valley, Assam, India', in, M. K. Bhattacharjee, P. B. Mazumder. And M. Dutta

- Choudhury (Eds), *Proc. of UGC Sponsored State Level Seminar on Biodiversity of Assam and Its Conservation*, Department Of Botany, Karimgang College, (Assam): 179-199.
- Davies, T. D. and Haissig, B. E. (1990). Chemical Control of Adventitious Root Formation in Cuttings. *Plant Growth Reg. Soc. Amer. Quart.* 18(1): 1-17.
- Debergh, P. C. and Maene, L. J. (1981). A Scheme for Commercial Propagation of Ornamental Plants by Tissue Culture. *Sci. Hortic.* 14: 335-345.
- Devi, J., Nath, M. and Deka, P. C. (1990). Effect of Different Media on Germination and the Growth of Some North-East Indian Species of *Dendrobium*. *J. Orchid Soc. India.* 4(1 &2): 45-49.
- Dirr, M. A. and Heuser, C. W. (1987). *The Reference Manual of Woody Plant Propagation. from Seed to Tissue Culture*. Versity Press. Inc. Athens. GA: 239.
- Dole, J. M. and Wilkins, H. F. (2005). *Floriculture Principles and Species*. 2 Editions. Pearson Education, Inc., Upper Saddle River, New Jersey. USA.
- Duke, J. A. and Ayensu, E. S. (1985). *Medicinal Plants of China*. Reference Publications, Inc. ISBN 0-917256-20-4.
- Dutta Choudhury. M. (1999). Ethno-Medico Botanical Aspects of Reang Tribe of Assam: A Comprehensive Study. Ph. D Thesis. Department of Botany. Gauhati University.
- Dutta, B. K. and Dutta, P. K. (2005). Potential of Ethnobotanical Studies in N.E. India. *Indian Journal of Traditional Knowledge.* 4(1): 7-14.
- Dutta, P. K. and Dutta, B. K. (2001). 'Medico-Ethnobotanical Studies of Some North East Tribes/ Ethnic Communities Settled in Barak Valley, Assam, Ethnomedicine of North East India', in, *Proceeding of National Seminar on Traditional Knowledge Based on Herbal Medicines and Plant Resources of North East India, Protection, Utilization and Conservation*. March 13-15., 2001. Guwahati. 129-153.

- FAO (2003). State Of The World's Forest. Rome: Food and Agricultural Organization.
- Faqir, M., Bajwa, M. N., Nasir, M. A. and Muhammed, F. (1995). Effect of Different Soil Amendments on the Incidence of Common Scab of Potato. *Pak. J. Phytopathol.* 7: 202-203.
- FRLHT (2006). Foundation for Revitalization of Local Health Traditions, a Report, Bangalore.
- Gamborg, O. and Can, J. (1966). *Biochem.*44: 791-799.
- George, E. F. (1993). *Plant Propagation by Tissue Culture, Part 1. The Technology.* Edington, Wilts, England: Exergetics, Ltd.
- Giri, D. and Tamta, S. (2012). Propagation and Conservation of *Dactylorhiza hatagirea* (D. Don) Soo, An Endangered Alpine Orchid. *African Journal of Biotechnology* .11(62):12586-12594.
- Girija, D., Deepa, K., Francis, X., Antony, I. and Shidhi, P. R. (2013). Analysis of Cow Dung Microbiota-A Metagenomic Approach. *Indian Journal of Biotechnology*. 12: 372-378.
- Gopal, B., Ghosh, D., Chandra, A. and Abuja, S. (2011). Communicating Scientific Principles of Ecology: a Manual on Waste Management. A partnership Between DST, Govt Of India, National Institute of Ecology & Local Communities.
- Govil, J. N. (1998). Current Concepts of Multidiscipline Approach to the Medicinal Plant (Plant 1). Today and Tomorrow's Printers and Publishers, New Delhi, India, ISBN-10: 817019-424-5.
- Graham, M. H. and Haynes, R. J. (2005). Organic Matter Accumulation and Fertilizer-Induced Acidification Interact to Affect Soil Microbial and Enzyme Activity on A Long Term Sugar Cane Management Experiment. *J. Biol. Fertil. Soils.* 41: 249-256.

- Haissig, B. E. and Davis, T. D. (1994). 'A Historical Evaluation of Adventitious Rooting Research to 1993', in, T. D. Davis and B. E. Haissig, *Biology of Adventitious Root Formation*. New York: Plenum Press.
- Hajong, S., Kumaria, S. and Tandon, P. (2010). *In vitro* propagation of the medicinal orchid *Dendrobium chrysanthum*. *Proc Indian Natn Sci Acad.*76 (1): 1-6.
- Hajra, P. K. and Mudgal, V. (1997). *Plant Diversity Hotspots of India- An Overview*. Botanical Survey of India, Dehra Dun: 179.
- Hamilton, A. (2003). Medicinal plants and conservation: issues and approaches [online]. Available from Internet: <http://www.wwf.org.uk/filelibrary/pdf/medplantsandcons.pdf>.
- Hartmann, H. T., Kester, D. E., Davies, F. T. and Geneve, R. L. (2007). 'Techniques for Micropropagation', in, *Plant Propagation Principle and Practices*. (Hartmann and Kester) Prentice Hall of India Private Limited, New Delhi: 690-714.
- Hartmann, H. T., Kester, D. E., Davies, F. T. and Geneve, R. L. (2007). 'The Propagation Environment', in. *Plant Propagation Principle and Practices*. (Hartmann and Kester) Prentice Hall of India Private Limited, New Delhi: 41-46.
- Hartmann, H. T., Kester, D. E., Davies, F. T. and Geneve, R. L. (2007). 'Biology of Plant Propagation', in. *Plant Propagation Principle and Practices*. (Hartmann and Kester) Prentice Hall of India Private Limited, New Delhi: 27-30.
- Hartmann, H. T., Kester, D. E., Davies, F. T. and Geneve, R. L. (2007). 'Principles of Tissue Culture and Micropropagation', in, *Plant Propagation Principle and Practices*. (Hartmann and Kester). Prentice Hall of India Private Limited, New Delhi: 693.
- Hartmann, H. T., Kester, D. E., Davies, F. T. and Geneve, R. L. (2002) *Plant Propagation: Principles and Practices*. 7th Edn, Prentice Hall, Inc., Upper Saddle River: 176–328.

- Hazarika, R. B. and Sarma, C. M. (1996). *In Vitro* Regeneration of *Dendrobium fimbriatum* var. *oculatum* from The Nodal Segments. *UGC Sponsored Seminar* (Mangaldoi). Abstract: 7.
- Hedge, S. N. (1997). 'Orchid Wealth of India', in, *Proc. Indian. Natn. Sci. Acad.* 3: 229-294.
- Hedge, S. N. (2000). 'Orchids of North East India: Conservation and Export Potential', in, S. N. Tiwari and P. P. Dabral (Eds.), *Natural Resources, Conservation and Management for Mountain Development*, GBPIHED, Almora, India.
- Hedge, S. N. (2001). *Orchids: Conservation, Culture, Farming and Trade*, OSA, Itanagar, Himalayan Publisher. Itanagar/ New Delhi.
- Hedge, S. N. (2012). *Ex Situ and In Situ Conservation of Orchids in India. J. Orchid Soc. India.* 26(1-2): 1-4.
- Hofferman, G. J. (1979). *Humidity in Controlled Environment*. Guide Lines for Plant Research.
- Holium, R. E. (1953). *Flora of Malaya Orchids*. Singapore. Government Printing Office.
- Holloway, P. S. (2008). 'Media for Cutting Propagation', in, C. A. Beyal, and R. N. Trigiano (Ed.), *Plant Propagation Concepts and Laboratory Exercises*, CRP Press: 63
- Hong, P. I., Chen, J. T. and Chang, W. C. (2008). Plant Regeneration via Protocorm-Like Body Formation and Shoot Multiplication from Seed Derived Callus of a Maudiae Type Slipper Orchid. *Acta physiologia Plantarum*, 30: 755–759.
- Hore, D. K. (1998). 'Diversity of Agricultural Plants-An Experience with North East India', in, *Agriculture, Biodiversity and Climate Change, Souvenir*, North Eastern Hill University, Shillong: 11-13.
- Hore, D. K. and Hussain, S. (2004). 'Important Medicinal Plants of Northeast India, Their Ecology and Conservation Strategies', in, *National Workshop on Conservation and Sustainable Utilization of Medicinal Plants of NE India* of NEHU, Shillong: 27-28.

- [Http://Envisfriht.Org](http://Envisfriht.Org). Envis Centre on Conservation of Medicinal Plants. FRLHT, Bangalore. (2010).
- Huang, L., Lin, C., Kuo, C., Huang, B. and Murashige, T., (2001). *Paphiopedilum* Cloning *In Vitro*. *Scientia Horticulturae*. 91: 111–121.
- Hussain, A. Barbhuiya. (2013). Study and Assessment of Threatened and Endemic Vascular Plants of Southern Assam. Ph. D. Thesis. Assam University, Silchar.
- Hynniewta, T. M. (1984). ‘Ethnobotanical Investigation of Some Tribes of Arunachal Pradesh’, in, *Proc. Second Annual Workshop on MAB Project*: 83-87.
- Hynniewta, T. M. (1987). Annual Report, *All India Co-Ordinate Research Projection Ethnobiology*, MoEF (Unpublished).
- Ito. (1955). Germination of Seeds from Immature Pod and Subsequent Growth of Seedlings in *Dendrobium nobile* Lindl. *Sci. Repors Saikyo Uni. Agric.* 7: 35-42.
- IUCN. (1998). *1997 IUCN Red List of Threatened Plants*. Walter, K. S. And Gillett, H. J. (Eds). Compiled By The World Conservation Monitoring Centre. World Conservation Union, Gland, Switzerland and Cambridge, United Kingdom.
- Jackson, M. L. (1958). *Soil chemical analysis*. Prentice Hall, Englewood Cliffs New Jersey.
- Jezek, Z. (2003). The Complete Encyclopedia of Orchids (Informative Texts with Hundreds of Photographs). Rebo Publishers: 14-29.
- Jha, T. B. and Ghosh, B. (2005). ‘Practical Aspects of Plant Tissue Culture’, in, *Plant Tissue Culture, Basic and Applied*. University Press (India) Private Limited.: 19-21.
- Jha, T. B. and Ghosh, B. (2005). *Plant Tissue Culture Basic and Applied*. University Press (India) Private Limited: 44-56.

- Jirakiattikul, Y. Rithichai, P. and Itharat, A. (2013). Effects of Medium Salt Strength and Plant Growth Regulators on Shoot Multiplication and Root Induction of *Smilax corbularia*. *Pharmacology Online*. (3). 1 – 7.
- Johari, S. and Kumar, A. (1992). Effect of Nitrogen, Phosphorus and Potassium on Growth and Bio Crude Yield of *Euphorbia antisyphilitica* Ann. *Arid Zone*. 31: 313-314
- Joy, P. P. and Thomas, J. (1999). Glory lily (*Gloriosa superba*)- A Medicinal Plant. *Indian J. Arecanut, Spices med. Pl.* 1(2): 65-66.
- Joy, P. P., Thomas, J., Mathew, S., and Skaria, B. P. (1999). Standardisation of Agrotechniques in lesser known aromatic and medicinal plants of Zingiberaceae. Final Report of ICAR Ad-hoc Scheme. Aromatic and Medicinal Plants Research Station, Odakkali, Asamannoor PO, Kerala, India: 3-46.
- Kalita, K. and Sarma, C. M. (1996). Micropropagation of *Vanda coerulea* Griff. An Endangered Orchid Species of North East India. *UGC Sponsored Seminar (Mangaldoi)* Abstract: 4.
- Kar, K. and Borthakur, S. K. (2007). Wild Vegetables Sold in Local Market of Karbi Anglong, Assam. *Indian Journal of Traditional Knowledge*. 6(1): 169-172.
- Karaguzel, O. (1997). Studies on the Propagation of Bougainvilleas from Cuttings. *Ziraat Fakultesi Dergisi*. Akeniz Universites, 10: 109-118.
- Kasera, P. K., and Saharan P (2002). Economics of *Evolvus alsinoides* (Sankhpusphi) from Indian Thar Desert. *Ann. For.* 10(1): 167-171.
- Kasera, P. K. and Saharan, P. (2001). ‘Agrotechnique Practices for Cultivation of *Evolvus alsinoides* (Linn.) (Fam. Convolvulaceae) an Important Medicinal Herb’, in, *Proc. National Seminar on Herbal Conservation, Cultivation, Marketing and Utilization with Special Emphasis on Chhattisgarh. The Herbal State, Raipur, Chhattisgarh, India*, 13-14 Dec: 60.

- Kataki, S. K., Jain, S. K. and Sastry, A. R. K. (1984). Distribution of Orchids of Sikkim and North East India. *Plant Conservation Bull.* Botanical Survey of India, Howeah, India.
- Katwal, R. P. S., Srivastva, R. K., Kumar, S. and Jeeva, V. (2003). State of Forest Genetic Resources Conservation and Management in India. Forest Genetic Resources Working Papers- FGR/65E. Forest Resources Development Service, Forest Resources Division. FAO. Rome
- Kaur, S. and Pathok, P. (2014). Synthetic Seeds and *In Vitro* Propagation of *Cymbidium aloifolium* (Linn.) Sw. *J. Orchid Soc. India.* 28: 103-108.
- Kaur, S. and Sarma, C. M. (1995). ‘*In Vitro* Micropropagation of *Acampe rigida* (Buch-Ham.) Hunt’, in, *Proc. Tech. Session Assam Sci. Soc. Abstract.* : 67.
- Kaur, S. and Sarma, C. M. (1996). Seed Germination and Protocorm Formation in *Cymbidium aloifolium* Sw. *Orchid News.* 12(1-2): 11-12.
- Kaur, S. and Sarma, C. M. (1997 a). ‘Effect of Different Concentration of Sucrose in MS Medium on Germination and Organogenesis of *Arundina graminifolia* (D. Don). Hochr’, in, *Proc. 84th Session Ind. Sci. Cons.* Abstract.: 64-65.
- Kaur, S. and Sarma, C. M. (1997b). Selection of Best Medium for *In Vitro* Propagation of *Dendrobium lindleyi* Steud. *Adv. Plant Sci.* 10(1): 1-5.
- Kayang, H., Kharbuli, B., Myrboh, B. and Syicm, D. (2005). ‘Medicinal Plants of Khasi Hill of Meghalaya, India’, in, J. Bernath, E. Nemeth, L. E. Craker and Z. E. Gardner (Eds), *Bioprospecting & Ethnopharmacology* (Prc. WOCMAP III: 75-80.
- Khan, T. U., Hore, D. K. and Borthakur, S. K. (2012). ‘Agerotechnology of *Homalomena aromatica* (Roxb.) Schott. - An aromatic Plant of north East India’, in, M.D. Choudhury, G.D. Sharma, A. D. Talukdar and S. Choudhury (Eds), *Research in Medicinal and Aromatic Plants.* Swastik Publications: 27-32.
- Kharkwal, A. C., Kushwaha, R., Prakash, O., Ogra, R. K., Bhattacharya, A., Nagar, P. K. , Singh Ahuja, P. (2008). An efficient method of propagation of *Podophyllum hexandrum*: an endangered medicinal plant of the Western Himalayas under ex situ conditions. *J Nat Med.* 62:211–216.

- Kramer, P. J. and Kozlowski, T. (1979). *Physiology of woody plants*. Academic Press, New York, San Francisco, London
- Krishna, S. K., Krishnakumar, H. N., Ramakrishna, T. M. and Ramaswamy, S. N. (2004). Studies on Seed Morphometry of Epiphytic Orchids of Western Ghats of Karnataka. *Taiwania*. 49(2): 124-140.
- Kumar, U. (2007). 'Micropropagation in Plants', in, *Methods in Plant Tissue Culture*: 202-223.
- Kumaria, S. (1991). *In Vitro* Propagation of *Dendrobium fimbriatum* var. *oculatum* (Hook.) F.: Some Functional and Biochemical Aspects of Its Growth. Ph.D. Thesis. North –Eastern Hill University, Shilling, Meghalaya.
- Kumaria, S. and Tandon, P. (1991). 'Asymbiotic Germination of *Dendrobium fimbriatum* var. *oculatum* Hook. F. Seeds on Different Media', in, *Proc. Indian Natn. Sci. Acad.* 57: 277-279.
- Kuniyal, C. P. (1999). Multiplication and Conservation of *Aconitum balfourii* (Bruhl.) Muk. Using Conventional and Tissue Culture Methods. D. Phil. Thesis, HNB Garhwal University, Srinagar Garhwal, India.
- Kunkel, G. (1984). *Plants for Human Consumption*. Koeltz Scientific Books. Germany.
- Kyte, L. (1987). *Plants from Test Tubes: An Introduction to Micropropagation* (Rev.Ed.). Portland, Oreg. Timber Press.
- Lambert, J., Srivastava, J. and Vietmeyer, N. (1997). Medicinal Plants Rescuing a Global Heritage. Washington DC, World Bank (World Bank Technical Paper 355).
- Leakey, R. R. B. and Coutts, A. A. (1998). The Dynamics of Rooting in *Triplochiton scleroxylon* Cuttings: Their Relation to Leaf Area, Node Position, Dry Weight Accumulation, Leaf Water Potential and Carbohydrate Composition. *Tree Physiology*. 5: 135- 46.
- Legesse Negash (2003). Successful Vegetative Propagation Techniques for the Threatened African Pencil Cedar (*Juniperus Procera* Hochst 92 ex. Endl.). *Forest Ecology and Management* 161:54- 64.

- Legesse Negash (2004b). 'Plant Tissue Culture: Opportunities and Information for Insuring Food Security in Ethiopia', in, Seyum Mengistu and Ensermu Kelbessa (Eds.), *Modernizing Agriculture: A Way out of Food Security: 73-85* (Proceedings of a National Workshop Organized By the Biological Society of Ethiopia (BSC). February 19-20, 2004. Addis Ababa University, Addis Ababa, Ethiopia.
- Liao, Y. J., Tsai, Y. C., Sun, Y. W., Lin, R. S. and Wu, F. S. (2011). *In Vitro* Shoot Induction and Plant Regeneration From Flower Buds In *Paphiopedilum* Orchids. *In Vitro Cell. Dev. Biol. Plant.* 47:702-709.
- Lipensky, J. (2010). The Methods of Vegetative Propagation of Useful Agroforestry Species in the Peruvian Amazon. M.Sc. Thesis.
- Liu, Y. T., Huang, C. M., Yao, D. Y., Li, L. and Hu, M. F. (2006). Tissue culture of *Smilax discotis* Warb. *China Forestry Science and Technology.* 20: 42-45.
- Loach, K. (1985). Rooting and Cutting in Relation to the Medium. *Combined Proceedings of the International Propagation Society.* 35: 472-485.
- Lohani, N., Kumar, R., Tewari, L. M. and Joshi, G. C. (2011). Effect of different organic treatments on *ex situ* conservation of *Polygonatum cirrhifolium* Royle. *International Journal of Biodiversity Science, Ecosystem Services and Management:* 7(2): 134-140.
- Lohani, N., Kumar, R., Tewari, I. M. and Joshi, G. C. (2012). *Ex-situ* conservation of *Polygonatum verticillatum* (L.) Allioni under different types of organic treatments. *International Journal of Biodiversity and Conservation.* 4(1): 22-31.
- Long, B., Niemiera, A. X., Cheng, Z. and Long, C. (2010). *In Vitro* Propagation of Four Threatened *Paphiopedilum* Species (Orchidaceae). *Plant Cell Tiss Organ Cult* .101:151-162.
- Luna, T. (2008). 'Vegetative propagation', in, R. K. Dumroese, T. Luna and T. D. Landis (Eds), *Nursery manual for native plants: a guide for tribal nurseries.* Washington (DC) USDA Forest Service. Agriculture Handbook 730. 152-175.

- Mahadevan, A. and Sridhar, R. (1986). *Methods in Physiological Plant Pathology*. Sivakami Publication.
- Malik, A. A., Suryapani, S. and Ahmed, J. (2011). Chemical vs Organic Cultivation of Medicinal and Aromatic Plants: The Choice Is Clear. *Int. J. Med. Arom. Plant.* 1(1): 5-13.
- Mandal, B. B. (1999). 'Conservation Biotechnology of endemic and other economically important plant species of India', in, E. E. Benson (Ed.), *Plant Conservation Biotechnology*,. Taylor and Francis Group, UK.
- Manilal, K. S. and Sathish Kumar, C. (2004). *Orchid Memories- A Tribute to Gunnar Seidenfaden*. IAAT. Calicut. India.
- Mao, A. A. and Hynniewta, T. M. (2000). Floristic Diversity of North East India. *J. Assam Sci. Soc.* 41(4): 255-266.
- Mao, A. A., Hynniewta, T. M. and Sanjappa. (2009). Plant Wealth of Northeast India With Reference to Ethnobotany. *Indian Journal of Traditional Knowledge.* 8(1): 96-103.
- Matthews, P. (1999). 'Vegetative Propagation from Stem Cuttings, Leaves and Roots', in, Bryan G. Bowes (Ed.), *A Colour Atlas On Plant Propagation And Conservation*. Manson Publishing: 58-68.
- Mazumdar, P. B. (2012). 'In Vitro Propagation and Molecular Characterization of Rare and Endangered Plants', in. M. D. Choudhury, G. D. Sharma, A. D. Talukdar, S. Choudhury (Eds.), *Research in Medicinal and Aromatic Plants*, Swastic Publications:258-283.
- Mazumder, P. B., Sharma, G. D., Dutta Choudhury, M., Nath, D., Das Talukdar, A. and Mazumder, B. (2010). In Vitro Propagation and Phytochemical Screening of *Papilionanthe teres* (Roxb.) Schltr. *Assam University Journal of Science and Technology: Biological and Environmental Sciences.* 5 (I): 37-42.

- Menon, M. V. and Potty, N. N. (1998). Variation in Production Pathway for Qualitative and Quantitative Characteristics in Medicinal Rice, Niavara. *Oryza*. 35 (3). 208-210.
- Menon, M. V. and Potty, N. N. (1999). Nutritional Specificity and Quality Properties of Medicine Rice Niavara. *Oryza*. 36(4). 315-317.
- Mialoundama, F., Avana, M. L., Youmbi, E., Mampouya, P. C., Tchoundjeu, Z., Mbeuyo, M., Galamo, G. R., Bell, J. M., Kogpuep, F., Tsobeng, A. C. and Abega, J. (2002). Vegetative Propagation of *Dacryodes edulis* (G. Don.) H. J. Lam by Marcots, Cuttings and Micropropagation. *Forest, Trees and Livelihoods*. 12: 85-96.
- Michael, E. K., Philip, K. and Scott, S. (2008). 'Micropropagation', in, C. A. Beyl., R. N. Trigiano (Eds), *Plant Propagation Concepts and the Laboratory Exercises.*: 319.
- Misra, R. (1968). *Ecology Work Book*. D. B. H. Pub. Co. New Delhi.
- Mitra, G. C., Prasad, R. N. and Choudhury, A. R. (1976). Inorganic Salts and Differentiation of Protocorm in Seed Callus of An Orchid (*Dendrobium fimbriatum*) and Correlated Changes In Its Free Amino Acid Content. *Ind. J. Exptl. Bio*. 14: 350-351.
- Mukherjee, P., N. Husain, S. C., Misra, and V. S. Rao. (2010). *In vitro* propagation of a grape rootstock, de Grasset (*Vitis champinii* Planch.): Effects of medium compositions and plant growth regulators. *Scientia Horticulturae*. 126: 13-19.
- Munoz, M. C. (1999). 'In Vitro Culture (IVC) and Plant Conservation', in, Bryan. G. Bowes (Ed), *A Colour Atlas of Plant Propagation and Conservation*. Manson Publishing Limited: 77.
- Murashige, T. (1974). *Annul. Rev. Plant Physiol*. 25: 135-166.
- Murashige, T. and Skoog, F. (1962) "A Revised Medium For Rapid Growth And Bioassays With Tobacco Tissue Culture." *Physiologia Plantarum*.15: 473-497.

- Murashige, T. and Skoog, F. (1962). *Plant Physiol.*15: 473-497.
- Murthy, R. S. and Hirekerur, L. R. (1980). 'Soils', in, *Handbook of Agriculture. Indian Council of Agricultural Research, New Delhi: 20-72.*
- Muscolo, A., Bovalo, F., Gionfriddo, F. and Nardi, S. (1999). Earthworm Humic Matter Produces Auxin-Like Effects on *Daucus carota* Cell Growth and Nitrate Metabolism. *Soil Biology and Biochemistry.*31:1303-1311.
- Nadeem, M., Palni L. M. S., Purohit, A. N., Pandey, H., and Nandi, S. K. (2000). Propagation and Conservation of *Podophyllum hexandrum* Royle.: An Important Medicinal Herb. *Bio. Conservation.* 99: 121-129.
- Nagavallema, K. P., Wani, S. P., Stephane, L., Padmaja, V. V., Vineela, C., Babu Rao, M. and Sahrawat, K. L. (2004). Vermicomposting: Recycling Wastes into Valuable Organic Fertilizer. Global Theme on Agrecosystems Report No. 8. Patancheru 502 324, Andhra Pradesh, India: International Crops Research Institute For the Semi-Arid Tropics: 20.
- Nambiar, K. K. M. and Abrol, I. P. (1989). Long-term fertilizer experiments in India-An Overview. *Fertil News.* 34: 11-20
- Nath , M., Devi, J., Borthakur, B., Sharma, J. and Deka, P. C. (1991). Embryo Culture of *Rhynchostylis retusa* and *Vanda coerulea*. *J. Orchid Soc India* 5: 97-101.
- Nath, B. (2012). Ethnobotany of Jaintia and Rongmai Naga Tribes Settled in Barak Valley. Ph. D Thesis. Assam University, Silchar: 8-11.
- Nath, M. (2013). Ethnobotanical Studies on The Dimasa Tribe of Barak Valley (Southern Assam). Ph.D Thesis. Assam University, Silchar.
- Nath, M., Dutta, B. K. and Hajra, P. K. (2011). Medicinal Plants Used in Skin Diseases by Dimasa Tribe of Barak Valley (Southern Assam). *Assam University Journal of Science and Technology. Biological and Environmental Science.* 8(1): 23-30
- Nath, M., Dutta, B. K. and Hajra, P. K. (2013). Ethnobotanical Plants Used in Stomach Disorders by Dimasa Tribe of Barak Valley (South Assam). *Ethnobotany.* 25: 78-82.

- Nayar, M. P. and Sastry, A. R. K. (1987). Red Data Book of Indian Plant. Vol 1. BSI, Calcutta.
- Ng, C. Y. and Saleh, N. M. (2011). *In Vitro* Propagation of *Paphiopedilum* Orchid through Formation of Protocorm-Like Bodies. *Plant Cell Tissue Organ Cult.* 105:193-202.
- Nimato, D. H. and Sagawa, Y. (1961). Ovule Development in *Dendrobium*. *Am. Orchid Soc. Bull.* 30: 813-819.
- Palhares, D. and Zaidan, L. B. P. (2011). Observations on the Subterranean System of *Smilax goyazana* (Smilacaceae). *Botanica Serbica.*35 (2):131-136.
- Palhares, D., Silveira, C. E. S., Zaidan, L. B. P. and Pereira, L. A. R. (2009). Leaf anatomy of *Smilax goyazana* (Smilacaceae). *Acta Botanica Hungarica* 51(1-2): 115-127.
- Pandey, A., Gupta, S. and Yadav, K. R. (2011). ‘Agro Techniques of *Costus speciosus*: An Important Endangered Medicinal Plant’, in, *National conference on Forest Biodiversity: Earth’s Living Treasure*: 125-129.
- Pant, S. and Sharma Pant, V. (2011). Status and Conservation Management Strategies for Threatened Plants of Jammu and Kashmir. *Journal of Phytology.* 3(7): 50-56.
- Patidar, M. and Mali, A. L. (2001). Integrated nutrient management in sorghum (*Sorghum bicolor*) and its residual effect on wheat (*Triticum aestivum*). *Ind. J. Agri. Sci.* 71: 587-590.
- Patnaik, N. (1980). ‘Soil Fertility and Fertilizer Use’, in. *Handbook of Agriculture*. Indian Council of Agricultural Research, New Delhi: 208-209.
- Piper, C. S. (1944). *Soil and plant analysis*, John Wiley and Sons, New York, USA.
- Prabhu Kumar, K. M., Sabu, M. and Thomas, V. P. (2013). Effect of Temperature and Light on the Promotion of Off-season Flowering in Island Purple Ginger, *Boesenbergia siphonantha* (Baker) M. (Zingiberaceae) – A Promising

- Ornamental Ginger from Andaman Islands. *Journal of Horticulture, Forestry and Biotechnology*. 17(1): 144- 147.
- Pradhan, U. C. (1976, 1979). *Indian Orchids- Guide to Identification and Culture*. I & II. Kalimpong, India.
- Preece, J. E. and Sutter, E. G. (1991). 'Acclimatization of micropropagated plants to the greenhouse and field', in, P. C. Debergh and R. M. Zimmerman (Eds.), *Micropropagation Technology and Application*', Kluwer Academic Publishers, Dordrecht, The Netherlands .71-93.
- Purohit, A. N. (1997). 'Medicinal Plants: Need for Upgrading Technology for Trading the Traditions', in, A. R. Naytiyal, M. C. Nautiyal and A.N. Purohit (Eds) *Harvesting Herbs-2000* ,Bishen Singh Mahendra Pal Singh: 49-75.
- Rai, P. K. and Lalramnghinglova. (2010). Ethnobotanical Plant Resources of Mizoram, India, Implication of Traditional Knowledge in Health Care System. *Ethnobotanical Leaflets*. 14: 274-305.
- Rani, U., Singh. S. G., Gupta, S. and Garg, V. (1993). Morphometry of Orchid Seeds in Epinder Droidae As Revealed By SEM. *Adv. Plant Sci*.6: 128-133.
- Rao, A. N. (1998). 'Tissue Culture in Orchid Industry', in. J. Reinert and Y. P. S. Bajaj. (Eds), *Applied and Fundamental Aspects of Plant, Tissue and Organ Culture*, Narosa Publishing House: 44-69.
- Rao, A. N. and Avadhani, P. N. (1964). 'Some Aspects of *In Vitro* Culture of *Vanda* Seeds', in, *Proc. 4th World Orchid Conf. Singapore*: 194-202.
- Rao, C. K., Geeta, B. L. and Suresh, G. (2003). *Red List of the Threatened Vascular Plant Species in India*. ENVIS, Botanical Survey of India. Howrah: 144.
- Rao, R. R. (1994). *Biodiversity in India, Floristic Aspects*. Bishen Singh Mahendra Pal Singh. Dehra Dun.
- Rao, R. R. (2010). Ethnobotany of Meghalaya. Medicinal Plants Used by Khasi and Garo Tribes. *Economic Botany*. 35: 8.

- Rao, S. and Barman, B. (2014). *In Vitro* Micropropagation of *Dendrobium chrysanthum* Wall. ex. Lindl. - A Threatened Orchid. *Sch. Acad. J. Biosci.* 2(1): 39-42.
- Rasmussen, H. N. (1995). *Terrestrial Orchids from Seeds to Mycotropic plants* Cambridge University Press, Cambridge
- Ravan, P. H. (1998). 'Medicinal Plants and Global Sustainability. The Canary in the Coal Mine', in, *Medicinal Plants. A Global Heritage. Proceeding of International Conference on Medicinal Plants for Survival*. New Delhi: 14-18.
- Rawat, A. S., Pharswan, A. S. and Nautiyal, M. C. (1992). Propagation of *Aconitum atrox*, A Regionally Threatened Medicinal Herb. *Econo. Bot.* 46 (3): 337-338.
- Rawat, G. S. (2008). *Forest Genetic Resources, Conservation and Management of India: Status 2008*.
- Rawat, J. K. (2003). *Medicinal Plants of India, an Encyclopedia*.
- Riba, T. (2000). Vegetative Reproduction Trial of Panax (Ginseg) Through Roots and Root Cuttings. *Indian Forester.* 126(4): 430-432.
- Rinallo, C., Mittempergher, L., Frugis, G. and Mariotti, D. (1999). Clonal Propagation in the Genus *Ulmus*: Improvement of Rooting Ability by *Agrobacterium Rhizogenes* T-DNA Genes. *J. Hort. Sci. Biotechnol.* 74: 502-506.
- Rowland, L. J. and Oedan, E. L. (1992): Use of a Cytokinin Conjugate for Efficient Shoot Regeneration from Leaf Sections of High Bush Blueberry. *Hort Science.* 27: 1127-1129.
- Roy, S. and Sarma, C. M. (1992). 'In Vitro Micropropagation of *Cymbidium aloifolium* Sw. from the Axillary Buds', in, *Proc. Natl. Conf. Plant. Physiol.*: 44-45.
- Sadanandan, A. K. and Hamza, S. (1997). 'Effect of Organic Farming on Nutrient Uptake, Yield and Quality of Ginger (*Zingiber officinale*)', in, *Proc. National Seminar on Water and Nutrient Management for Sustainable Production and Quality of Species*, Madikeri, Karnataka, India, 5-6 Oct, 1997: 89-94.

- Sagawa, Y. (1963). Green Pod Culture. *The Florida Orchid List*. 6: 296-297.
- Saharan, P., Shkula, J. K., Kesera, P. K. and Chawan, D. D. (2001). Effect of Different Nutritional Treatments on Growth and Biomass of Sankhpushpi. *Ind. J. Bot. Soc.* 80: 127-131.
- Saikia, L. R. and Upadhyaya, S. (2011). Effect of Cutting Type and Time of Cultivation on Leaf Biomass of a Traditional Plant *Adhatoda vasica* Nees. *Eco. Envnt. and Conservation*. 17(4): 733-737.
- Sakkir, S., Kabshawi, M. and Mehairbi, M. (2012). Medicinal Plants Diversity and Their Conservation Status in The United Arab Emirates (UAE). *Journal of Medicinal Plants Research*. 6(7):1304-1322.
- Sarathchandra, S. U., Ghani, A. A., Yeates, G. W., Burch, G. and Cox, N. R. (2001). Effect of Nitrogen and Phosphate Fertilizers on Microbial and Nematode Diversity in Pasture Soils. *J. Biol. Biochem.* 33: 953-964.
- Sarma, B. (1998). *In Vitro* Micropropagation of *Aerides*, *Cymbidium* and *Dendrobium* and Establishment of Plantlets under Natural Conditions. Ph.D Thesis. Gauhati University, Guwahati, Assam, India.
- Sarma, B. and Sarma, C. M. (1997 A). *In Vitro* Propagation of *Cymbidium elegans* Lindl. Using Three Different Media. *J. Adv. Pl. Sci.* 1: 21-26.
- Sarma, B. and Sarma, C. M. (1997 B). Regeneration of Plantlets from Seeds of *Arides odoratum* Lour. *Vasundhara*. 2: 57-60.
- Schippmann, U., Leaman, D. J. and Cunningham, A. B. (2002). Impact of Cultivation Gathering of Medicinal Plants on Biodiversity: Global Trends and Issues. FAO. Biodiversity and the Ecosystem Approach in Agriculture, Forestry and Fisheries. Satellite Event on The Occasion of the Ninth Regular Session of the Commission on Genetic Resources for Food and Agriculture. Inter Departmental Working Group on Biological Diversity For Food and Agriculture, Rome.
- Shabir, P. A., Nawchoo, I. A. and Wani, A. A. (2010). Development of Vegetative and Sexual Multiplication Protocol for Commercialization of *Inula Racemosa*

- Hook. F. - A Critically Endangered Medicinal Plant of N.W. Himalaya. *Nature and Science*. 8(10):246-252.
- Shankar, R. and Rawat, M. S. (2006). Medicinal Plants Activities for Change in the Socio-Economic Status in Rural Areas of North East India. *Bulletin of Arunachal Forest Research*. 22 (1&2): 58-63.
- Shankar, R., Rawat, M. S., Deb, S. and Sharma, B. K. (2012). Jaundice and Its Traditional Cure in Arunachal Pradesh. *Journal of Pharmaceutical and Scientific Innovation*. 1(3):93-97.
- Sharma, A. (1993). Clonal Multiplication and Establishment of *Dendrobium wardianum* Warner. Some Aspects of Physic-Chemical Requirements, Nitrogen Metabolism and Preservation. Ph. D. Thesis. North-Eastern Hill University, Shilling, Meghalaya.
- Sharma, J. and Chauhan, Y.S. (1995). Establishment of *In Vitro* Raised Seedlings of *Dendrobium* and *Paphiopedilum* Species. Ph. D. Thesis. North-Eastern Hill University, Shilling, Meghalaya.
- Sharma, S. K. and Tandon, P. (1986). 'Influence of Growth Regulators on Asymbiotic Germination and Early Seedling Development of *Coelogyne punctulata* Lindl', in, S. P. Vij (Ed.), *Biology, Conservation and Culture of Orchids*. Affiliated East-West Press, New Delhi: 441-451.
- Sharma, S. K. and Tandon, P. (1987). Axenic Germination of Some Epiphytic Orchid of Meghalaya, India. *J. Orchid Soc. India*. 1(1& 2): 85-90.
- Sharma, S. K. and Tandon, P. (1990). Asymbiotic Germination and Seedling Growth of *Cymbidium elegans* Lindl. and *Coelogyne punctulata* Lindl. As Influenced By Different Carbon Sources. *J. Orchid Soc. India*. 4 (1& 2): 149-159.
- Sharma, S., Rathi, N., Kamal, B., Pundir Kaur, B. and Arya, S. (2010). Conservation of Biodiversity of Highly Important Medicinal Plants of India through Tissue Culture Technology- A Review. *Agriculture and Biology Journal of North America*: 2151-7525.

- Sharma, Y. (2009). Propagation Studies on Selected RET (Rare, Endangered and Threatened) Medicinal Plant Species. Ph. D Thesis. University Of Agriculture Sciences, Dharwad.
- Sher, H., Alyemeni, M. N. and Faridullah. (2010). Cultivation and Domestication Study of High Value Medicinal Plant Species (Its Economic Potential and Linkages with Commercialization). *African Journal of Agricultural Research*. 5(18): 2462-2470.
- Shina, K. C. (1998). Agro technique on Indian Sarsaparilla (*Hemidesmus indicus* Linn.). M. Sc (Ag) Thesis. Kerala Agricultural University, Vellanikkara THRISSUR, Kerala: 150.
- Sibin, N. T., Gangaprasad, A. and Anjusha, S. (2014). Effects of Different Organic Additives on *In Vitro* Asymbiotic Seed Germination of *Arundina graminifolia* (D. Don.) Hochr. An Exquisite Rare Orchid. *J. Orchid Soc. India*. 28: 61-66.
- Singh, M. S. and D. Nongmaithem. (2013). Growth Attributes and Rhizome Yield of Sweet Flag (*Acorus calamus* L.) as Influenced by Spacing. *The Bioscan*. 8(4): 2007-2009
- Singh, S., Singh, R. N., Prasad, J. and Kumar, B. (2002). Effect of Green Manuring FYM and Biofertilizer in Relation Fertilizer N on Yield and Major Nutrient Uptake by Upland Rice. *J. Indian Soc. Soil Sci.* 15(3): 313-314.
- Soares. A. N., Novembre, A. D. L.C., Martins, A. R., Piedade. S. M. D. S., Glória, B. A. D. (2011). Propagation studies in *Smilax fluminensis* Steud. (Smilacaceae). *Ciência Rural. Santa Maria* .41(10): 1762-1768.
- Somashekhar, B. S. and Sharma, M. (2002). *Propagation Techniques of Commercially Important Medicinal Plants*. Andhra Pradesh State Forest Department: 29.
- Song, H. J., Sim, S. J., Jeong, M. J., Heo, C. M., Kim, H. G., Jeong, G. Y., Heo, S. Y., Choi, Y. W., Park, G. H., Yang, J. K., Moon, H. K. and Choi, M. S. (2010). Rapid Micropropagation by Axillary Buds Cultures of *Smilax china*. *Journal of Agriculture and Life Science* .44(6): 39-44.
- Srivastava, N., Kamal, B., Sharma, V., Negi, Y. K., Dobriyal, A.K., Gupta, S. and Singh Jadon, V. (2010). Standardization of Sterilization Protocol for

- Micropropagation of *Aconitum heterophyllum*- An Endangered Medicinal Herb. *Academic Arena*. 2(6): 37-42.
- Srivastava, R., Aragon, M. and Sharma, A. K. (2010). Cow Dung Extract: A Medium for the Growth of *Pseudomonads* Enhancing Their Efficiency as Biofertilizer and Biocontrol Agent in Rice. *Indian J. Mycobiol.*50: 349-354.
- Stewart, J. and Button, J. (1975). Tissue Culture Studies in *Paphiopedilum*. *Am. Orchid Soc. Bull.* 44:591-599.
- Suman, G., Gupta, S. C. and Govil, S. (1997). Commercialization of Plant Tissue Culture in India. *Plant Cell Tis. Organ Cult.* 51: 65-73.
- Summerhays, V. S. (1951). *Wild orchids of Britain*, London.
- Takhtajan, A. L. (1969). *Flowering Plants: Origin and Dispersal*. Smithsonian Institution Press, Washington. DC: 310.
- Talukdar, M. C.(2010). Commercial Cultivation of Orchids. *An Envis Newsletter*. ENVIS, Assam:2.
- Tanaka, T. (1976). *Tanaka's Cyclopedia of Edible Plants of the World*. Keigaku Publishing, Japan.
- Tazawa, K. and Sasahara, T. (2003). Multiple Bud Formation and Plant Regeneration in Anther Culture of Shiode (*Smilax oldhami* Miq.). *Breed Sci.* 53: 183-185.
- Tazawa, K., Abe, T. and Sasahara, T. (1996). Efficient *In Vitro* Mass Propagation of Shiode (*Smilax Oldhami* Miq.) through Liquid Culture. *Plant Tissue Culture Letter.* 13: 7-14.
- Tchoundjeu, Z., Mpeck, M. L., Asaah, E. and Amougou, A. (2004). The Role of Vegetative Propagation in the Domestication of *Pausinystalia johimbe* K. Schum., A Highly Threatened Medicinal Species of West and Central Africa. *For Ecol Manag.* 188:175–183.
- Teo, C. K. H. and Teo, S. T. (1976). Green Pod Culture of *Rhynchostylis retusa*: A Malaysian Orchid Species. *Mal.Orchid Review.* 15: 30-31.

- Than, M. M. M., Pal, A. and Jha, S. (2012). Plant Regeneration from Callus Cultures in Endangered Orchid *Bulbophyllum auricomum* Lindl. *Propagation of Ornamental Plants*. 12(2): 102-108.
- Thetford, M., Miller, D. and Penniman, P. (2001). Vegetative Propagation and Production of *Ceratiola ericoides* Michx. for Use in Restoration. *Native Plants Journal*. 2: 116-125.
- Thimann, K. V. and Went, F. W. (1934). On the Chemical Nature of the Root-Forming Hormone. *Proc. Kon. Ned. Akad. Wet.* 37: 456-459.
- Thimann, K. V. and Koepfli. (1935). Identity of The Growth-Promoting and Root Forming Substances of Plants. *Nature*. 135: 101-102.
- Thirugnanasampandan, R., Mutharaian, V. N. and Narmatha Bai, V. (2009). *In Vitro* Propagation and Free Radical Studies of *Smilax zeylanica* Vent. *African Journal of Biotechnology*. 8(3). 395-400.
- Thomas, J., Joy, P. P. and Mathew, S. (1997). 'Cultivation and Utilization of *Kaempferia galangal* Linn', in, S. S. Handa and M. K. Kaul (Eds), *Supplement to Cultivation and Utilization of Aromatic Plants*. RRL, Jammu: 299-305.
- Thomas, J., Joy, P. P., Mathew, S. and Skaria, B. P. (1998). Indigenous Less-Known Essential Oils- A Perspective. *FAFAI J.* 20(1): 13-20.
- Thongpukdee, A., Nisayan, E. and Thepsithar, C. (2013). Multiple Shoot Formation of *Paphiopedilum* 'Delrosi. *World Academy of Science, Engineering and Technology*. 78: 777-780.
- Tomati, U., Grappelli, A. and Galli, E. (1987). 'The Presence of Growth Regulators in Mucchi, Earthworm-Worked Wastes on Earthworms', in, A. M. Bonvicini Paglioi and P. Omodeo (Eds.), *Proceedings of International Symposium on Earthworms. Selected Symposia and Monographs, Unione Zoologica Italiana, Journal of Ornamental Plants*. 4(2): 61-67, June, 2014 2, Modena: 423-435.

- Udomdee, W., Wen, P. J., Chin, S. and Chen, F. (2012). Shoot Multiplication of *Paphiopedilum* Orchid through *In Vitro* Cutting Methods. *African Journal of Biotechnology*. 11(76): 14077-14082.
- Utami, E. S. W., Purnobasuki, H., Soedarti, T. and Hariyanto. (2015). Asymbiotic Seed Germination and *In Vitro* Seedling Development of *Paphiopedilum liemianum* Fowlie, An Endangered Terrestrial Orchid in Northern Sumatra, Indonesia. *Journal of Plant Science*. 10: 25-34.
- Vanlauwe, B., Dendooven, L., Merckx, R., Vanlangenhove, G. and Sanginga, N. (1996). Residue Quality and Decomposition of Plant Material under Controlled and Field Conditions. *Iita Res*. 12: 1-6.
- Vashistha, R. K., Chaturvedi, A. K., Nautiyal, B. and Nautiyal, M. C. (2009). Vegetative Propagation of *Angelica glauca* Edgew. and *Angelica archangelica* Linn.: Two High Value Medicinal and Aromatic Herbs of the Himalaya. *Nature and Science*. 7 (8): 76-82.
- Vij, S. P., Kaur, P., Kaur, S. and Kaushal, P. S. (1992). The orchid seeds, taxonomic, evolutionary and functional aspects. *J. of Orchid Society, India*. 6:91-107.
- Vij, S. P., Sood, A. and Khurana, A. (1986). 'In Vitro Study of Morphogenetic Effect of Different Growth Retardants on Protocorms of *Rhynchostylis retusa* Bl', in, S. P. Vaj (Ed.), *Biology, Conservation and Culture of Orchids*. Affiliated East- West Pvt. New Delhi: 429-435.
- Vij, S. P., Sood, A. and Plaha, K. K. (1981). 'In Vitro Germination of Some Epiphytic Orchids', in, S. C. Verma (Ed.), *Contemporary Trends in Plant Sciences*. Kalayani Publishers, New Delhi: 473-481.
- Wakdikar, S. (2004). Global Health Care Challenge: Indian Experiences and New Prescriptions. *Journal of Biotechnology*. 7 (3): 214-220.
- Wankhede, M., Patil, S., and Kalamkar, V. (2007). *In Vitro* Propagation of Carnation C. V. Guadiana. *Journal of Soil Crop*. 17 (1):46-51.
- Watanabe, H. O., Sato, M. and Takeda, T. (1990). Development of Nursery Plants Based on Tissue Culture in *Smilax oldhami* Miq. (Liliaceae). *Bulletin of the Fukushima Prefecture Agricultural Experiment Station*: 73-78.

- Wattanawikkit, P., Bunn, E., Chayanarit, K. and Tantiwiwa, S. (2011). Effect of Cytokinins (BAP And TDZ) and Auxin (2,4-D) on Growth and Development of *Paphiopedilum callosum* Kasetsart. *J. Nat. Sci.* 45: 12 – 19.
- Withner, C. L. (1955). Ovule Culture and Growth of *Vanilla* Seedlings. *Am. Orchid Soc. Bull.* 17:662-663.
- www.assamplants.com
- Yadav, K., Singh, N. and Verma, S. (2012). Plant Tissue Culture: A Biotechnological Tool for Solving The Problem of Propagation of Multipurpose Endangered Medicinal Plants in India. *Journal of Agricultural Technology* .8(1): 305-318.
- Zeng, S., Wu, K., Chen, G. and Duan, J. (2005). Rapid Propagation of *Smilax glabra* In Vitro. *Zhong Yao Cai.* 28 (1): 1-2.
- Zheng, Y. and Feng, Y. L. (2006). Leaf Water Absorption of Epiphytes and Non-Epiphytes in Xishuangbanna. *Chinese J Appl. Ecol.* (27): 977-981.