

PUBLICATIONS OF Dr. S. PATTANAİK, SCIENTIST F,
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A. RESEARCH ARTICLES IN REFEREED JOURNAL - 7

- S. Pattanaik, K. C. Pathak, T. C. Bhuyan, N. Khobragade, P. Das and K.G. Prasad. 2004. Mensurational studies in *Melocanna baccifera*. *Journal of Tropical Forest Science*, 16(1):62-70.
- S. Pattanaik, P. Das, E. Borah, H. Kaur and K. Borah. 2004. Vegetative multiplication of *Bambusa balcooa* Roxb. using branch cuttings. *Journal of Bamboo and Rattan*, 3(4): 365-374.
- V.K.W. Bachpai, S. Pattanaik, K.C. Pathak, T.C. Bhuyan, K. Hazarika, R. Bhattacharya and A. Kharshi-ing. 2005. Studies on growth behaviour of some *Bambusa tulda* Roxb. plus clumps. *The Indian Forester*, 131(5): 711-718.
- S. Pattanaik and C. Deka. 2005. Utilization of juvenile culms for mass multiplication of *Dendrocalamus hamiltonii* Munro. *Journal of Non-Timber Forest Products*, 12(3): 119-122.
- S. Pattanaik and J.B. Hall, 2011. Molecular evidence for polyphyly in the woody bamboo genus *Dendrocalamus* (Subtribe Bambusinae). *Plant Systematics and Evolution* 291:59-67.
- S. Pattanaik and J.B. Hall. 2014. Patterns of morphometric variability in *Dendrocalamus hamiltonii* Munro populations across east Khasi Hills, Nnortheast India. *The Indian Forester*, 140(9): 868-874.
- S. Pattanaik, K. Rajesh, N. Rama Rao, G.R.S. Reddy and M.R.G. Reddy. 2014. Phytosociological studies in the dry red sanders (*Pterocarpus santalinus* l.f.) bearing forest areas of Eastern Ghats, Andhra Pradesh. *The Indian Forester*, 140(12): 1194-1201.

➤ **B. ARTICLES IN SEMINAR/CONFERENCE PROCEEDINGS - 13**

- S.Pattanaik, T. C. Bhuyan, K. C. Pathak, K. K. Sarma, C. Deka, B. Meitram, R. C. Singh & H. Kaur. 2001. 'An Insight into the Utilization Pattern of Bamboo and Canes in Handicraft Industries of Assam and Manipur'- Paper presented at the national level workshop on 'Policy and Legal Issues in Cultivation & Utilization of Bamboo, Rattan and Forest Trees in Private & Community Lands', organized by Kerala Forest Research Institute, Peechi: August 7-9, 2001.
- S. Pattanaik, K.C. Pathak, S. Trivedi, P.K. Khatri & K.G. Prasad. 2002. 'Cohort Mapping in Bamboo Resource Management' -Theme paper presented in the expert consultation on 'Strategies for Sustainable Utilization of Bamboo resources Subsequent to Gregarious Flowering in the Northeast' held on 24 and 25 April 2002 at Rain Forest Research Institute, Jorhat.
- K.G. Prasad, S. Pattanaik, S. Trivedi, K.C. Pathak & P.K. Khatri. 2002. 'Regeneration Strategies Following Gregarious Flowering of Bamboo in Northeast India'-Theme paper presented in the

expert consultation on 'Strategies for Sustainable Utilization of Bamboo resources Subsequent to Gregarious Flowering in the Northeast' held on 24 and 25 April 2002 at Rain Forest Research Institute, Jorhat.

- K.G. Prasad & S. Pattanaik. 2002. 'Status of Bamboo Flowering in the Northeast India'. Paper presented during the meeting on 'The Strategies for Exploitation of Bamboo Resources in Assam' organized by the Assam Forest Department on 31st July 2002 at Assam Administrative College, Guwahati.
- S. Pattanaik, E.D. Borah, H. Kaur and K. Borah. 2003. Cultivation of sympodial bamboos – Scientific techniques and practices. Paper presented at the workshop jointly organized by NAEB (NEHU) and RFRI at Jorhat.
- A Kharshi-ing and S. Pattanaik. 2003. Bamboo resource in northeastern India-Status, research and management issues. Paper presented at the conference on 'Bamboo and its applications', held at Kohima, Nagaland, organized by Nagaland Forest Department.
- S. Pattanaik, S. Trivedi, K. C. Pathak, E. D. Borah, K. Borah and A. Kharshi-ing. 2004. Scientific clump management for sustainable shoot production in *Dendrocalamus hamiltonii* Munro. Paper presented in the VIIth World Bamboo Congress, New Delhi.
- S. Pattanaik, J.B. Hall and K. Steele. 2007. Genetic variability and relationships in *Dendrocalamus* Munro: inferred from AFLP markers. Paper presented at the Tropical Ecology Group seminar of the British Ecological Society, held at University of Leeds.
- S. Pattanaik.2008. Genetic diversity and relationships in *Dendrocalamus*, inferred from amplified fragment length polymorphism study. Paper presented at the International seminar on 'Role of plant taxonomy in biodiversity management and human welfare', held at Forest Research Institute, Dehra Dun, 1-3 December 2008.
- S. Pattanaik. 2009. Molecular taxonomy of *Dendrocalamus* using AFLP markers. Paper presented at the National seminar on 'Bamboo plantation, management and its utilization' held at Arid Forest Research Institute, Jodhpur, 17-19 March, 2009.
- S. Pattanaik and J.B. Hall.2009. Species relationships in *Dendrocalamus* inferred from AFLP fingerprints. Proceedings of World Bamboo Congress, held at Bangkok, 16-19 September 2009.
- S. Pattanaik and M. Lokeswara Rao.2010. Genetic diversity and structure in *Dendrocalamus hamiltonii* Munro and its conservation implications. Paper presented at the National seminar on 'Productivity enhancement and value addition of bamboos' held at Institute of Forest Productivity, Ranchi, 9-10 March, 2010.

- S. Pattanaik and M. L. Rao. 2011. Use of GIS in natural resource modeling of *Dendrocalamus hamiltonii*. Paper presented at the National seminar on ‘Recent advances in bamboo propagation management and utilization’, 17-18 February 2011, Institute of Wood Science & Technology, Bangalore.

C. POSTER PUBLICATIONS IN SEMINAR/CONFERENCE - 4

- S. Pattanaik and J.B. Hall. 2007. Potential distribution modelling in *Dendrocalamus hamiltonii* Munro using GIS”. Poster presented at the Plant Science Wales conference held at Cardiff University.
- S. Pattanaik. 2011. ‘Potential distribution modelling in *Dendrocalamus hamiltonii*. Poster presented at the Indian Forest Congress, held at New Delhi, November 2011
- S. Pattanaik, K. Rajesh, K. Shiva and M.R.G. Reddy. 2014. *Ex situ* conservation of *Pterocarpus santalinus* L.f.- An endemic and endangered tree of Eastern Ghats. Poster presented at 13th Silviculture conference, held at FRI, Dehradun, November 2014.
- S. Pattanaik, N. Rama Rao, K. Rajesh, G.R.S. Reddy and M.R.G. Reddy. 2014. Ecological assessment of Red sanders (*Pterocarpus santalinus* L.f.) – A tree medicinal plant from Eastern Ghats. Poster presented at National workshop on ‘Sustainable management of medicinal plants and NTFPs, held at FRI, Dehradun, November 2014.

D. POPULAR ARTICLES AND EXTENSION MATERIALS - 14

- S. Pattanaik. 1998. Intensive Cultivation of Teak (*Tectona grandis*). Article published in ‘Technical Bulletin on Applied Forestry Research for Field Foresters’. Published by the Director, Institute of Rain and Moist Deciduous Forests Research, Jorhat.
- S. Pattanaik, E. Borah & H. Kaur. 2001. ‘Strategies for Management of Bamboo Flowering’ – Article published in the local Assamese daily ‘Aamar Asom’, dated 11th December 2001.
- S. Pattanaik, H. Kaur & C. Deka. 2001. ‘Bamboo Kissan Nursery’. Extension brochure published in English, Hindi, Bengali, Assamese and Manipuri for distribution under the Ministry of Textiles and UNDP sponsored cane and bamboo project.
- S. Pattanaik. 2002. ‘Blooming Bamboos: It's Management’. Article published in the local Assamese daily ‘The Assam Tribune’ dated 25th May 2002.
- S. Pattanaik, H. Kaur and E. D. Borah. 2002. Vegetative propagation of bamboo. Poster published in Assamese for distribution under the Ministry of Textiles and UNDP sponsored cane and

bamboo project.

- S. Pattanaik and T. C. Bhuyan. 2003. 'Bamboos-The green gold'. Documentary film prepared in English, Hindi, Bengali, Assamese and Manipuri languages for distribution under the Ministry of Textiles and UNDP sponsored cane and bamboo project.
- S. Pattanaik and T.C. Bhuyan. 2003. 'Rattans-For prosperity'. Documentary film prepared in English, Hindi, Bengali, Assamese and Manipuri languages for distribution under the Ministry of Textiles and UNDP sponsored cane and bamboo project.
- T. C. Bhuyan, B. Meitram, S. Pattanaik and K.G Prasad.2003. 'Rattans: For prosperity'. Extension brochure published in English and Assamese for distribution under the Ministry of Textiles and UNDP sponsored cane and bamboo project.
- S. Pattanaik. 2009. 'DNA barcoding – a rapid method of bamboo identification'. Article published in the book titled 'Bamboo in northeast India-a management guide, volume II', published by the Director, Rain Forest Research Institute, Jorhat.
- S. Pattanaik and R.K. Borah. 2009. 'Bamboo nursery: Techniques and practices'. Extension brochure published by the Director, Rain Forest Research Institute, Jorhat.
- S. Pattanaik, P. Sharma, Tarachand and R.K. Borah. 2009. 'Hollong nursery: Techniques & practices'. Extension brochure published by the Director, Rain Forest Research Institute, Jorhat.
- T.C. Bhuyan and S. Pattanaik. 2009. 'Rattan nursery and plantation: Techniques & practices'. Extension brochure published by the Director, Rain Forest Research Institute, Jorhat.
- Tarachand and S. Pattanaik 2009. '*Acacia mangium*: A prospect tree species for Northeast'. Extension brochure published by the Director, Rain Forest Research Institute, Jorhat.
- S. Pattanaik. 2011. Urban Forestry. Extension brochure published by the Head, Forest Research Centre, Hyderabad.

E. BOOKS AND BOOK CHAPTERS - 3

- S. Pattanaik, A.N. Singh, M. Kundu, S. Trivedi, Y.C. Tripathi and K.G. Prasad. 2002. Proceedings of the expert consultation on 'Strategies for Sustainable Utilization of Bamboo resources Subsequent to Gregarious Flowering in the Northeast'. Consultation held on 24 and 25 April 2002 at Rain Forest Research Institute, Jorhat.
- K. G. Prasad and S. Pattanaik. 2003. Resource enhancement and processing of cane and bamboos

suitable for handicrafts- A compendium of bamboo research at RFRI, Jorhat.

- S. Pattanaik. 2014. Bamboo systematics with specific reference to molecular taxonomy of *Dendrocalamus*. (Book chapter under publication).

F. REPORTS – 16

- K.G. Prasad, S. Pattanaik, K.C. Pathak and T.C. Bhuyan. 2000. Theme paper on *Bambusa vulgaris* Schrad. Report submitted to Planning Commission, Government of India.
- S. Pattanaik, K.C. Pathak and T.C. Bhuyan. 2001. The utilization pattern of bamboo and canes in the handicraft industries of Assam and Manipur. Preliminary survey report submitted to the Ministry of Textiles, Government of India.
- S. Pattanaik, K.C. Pathak, T.C. Bhuyan and K.G. Prasad. 2002. Bamboo improvement programme at Rain Forest Research Institute and strategies for management of bamboo flowering. Report presented to DGF, Ministry of Environment and Forests and Regional Chief Conservator of Forests.
- K.G. Prasad and S. Pattanaik. 2002. Bamboo resource development with involvement of people using quality planting stock. Report submitted to 'Committee on bamboo resource development with the involvement of people', Planning Commission, Government of India.
- S. Pattanaik, K.C. Pathak, T.C. Bhuyan, V.K.W. Bachpai and K.G. Prasad. 2002. Capacity building through training programmes, kisan nurseries and demonstration plantations. Report submitted to Ministry of Textiles, Government of India.
- S. Pattanaik, K.C. Pathak, T.C. Bhuyan, V.K.W. Bachpai and K.G. Prasad. 2002. *Ex situ* conservation of bamboo and cane germplasm. Report submitted to Ministry of Textiles, Government of India.
- S. Pattanaik, S. Trivedi, P. Kaushik, H.P. Singh and P. Sarkar. 2003. Conversion and development of the secondary forests of Northeast India into sustainable forests – an approach involving local communities. Concept note submitted to DFID.
- S. Pattanaik, T.C. Bhuyan, K.C. Pathak and K.G. Prasad. 2003. Resource enhancement and processing of cane and bamboos suitable for handicrafts. Project completion report submitted to Ministry of Textiles, Government of India.
- S. Pattanaik, E.D. Borah, H. Kaur and K. Borah. 2003. Sympodial bamboo nursery – scientific techniques and practices. Report submitted to TIFAC, Ministry of Science and Technology.

- S. Pattanaik and S. Trivedi. 2003. Strategies for bamboo resource survey, cohort mapping and *ex situ* germplasm conservation. Report submitted to Regeneration Task Force constituted to look after the regeneration of bamboo areas following gregarious flowering of Muli bamboos in Northeast India.
- S. Pattanaik. 2009. Management of prospective gregarious flowering of bamboos in Northeast India. Project completion report (Part) submitted to Ministry of Environment and Forests.
- S. Pattanaik. 2009. Assessment report of a project proposal '*In situ* conservation of rare, endangered and endemic medicinal plants for Ukhrul district and for economic upliftment of rural poor', submitted to Ministry of Environment and Forests.
- S. Pattanaik. 2009. Assessment report of a project proposal 'Financial assistance for improvement of infrastructure facilities in Damdai Botanical Garden, Hmuifang (Aizawl), Mizoram', submitted to Ministry of Environment and Forests.
- S. Pattanaik. 2009. Assessment report of a project proposal 'Propagation, field plantation and subsequent evaluation of Maggar bamboo (*Dendrocalamus hamiltonii*) using microbial consortia', submitted to Ministry of Environment and Forests.
- S. Pattanaik. 2010. Evaluation report on 'National afforestation programme' implemented by Nandyal Forest Development Agency, Andhra Pradesh.
- Venkat Reddy and S. Pattanaik. 2010. Evaluation report on 'National afforestation programme' implemented by Atmakur Forest Development Agency, Andhra Pradesh.