## **REFERENCES**

#### FRI, DEHRADUN

- 1. Ahmad, M. and Faisal, M. (2004). *Eupterote undata*, a new pest of Paulownia, *Annals of Forestry*, 12 (1): 147 148.
- 2. Ahmad, M. and Faisal, M. (2004). First record of *Eupterote undata* (Lepidoptera: Eupterotidae) infesting *Populus deltoides*. *Annals of Forestry*, 12 (2): 285 286.
- 3. Bisht, N.S.; Gera, Mohit, Sultan, Zafar and Gusain, M. S. (2004). Status of collection, cultivation and marketing of medicinal and aromatic plants in Pithoragarh, Uttaranchal. *Ind. For.*, 131 (3).
- 4. Biswas, Sas (2004). Decades of forest flora of New Forest, Dehradun. In: Proceeding of Van Dharohar (The Forest Heritage), 75 years of FRI Building (1929- 2004) Forest Research Institute, Dehradun: 39-43.
- 5. Biswas, Sas (2004). Glimpses of threatened wetland biodiversity. ICFRE Newsletter, Vol. 4 (2): 4-5.
- 6. Biswas, Sas (2004). *In situ* conservation a multidisciplinary participatory task. In: Dhillon, BS and others (Eds.) *Plant Genetic Resource Management:* Narosa Pub. House, New Delhi. 205- 219.
- 7. Biswas, Sas (2004). Under explored multipurpose tree diversity of Indian flora with emphasis on threat value assessment and conservation. In: Proceeding (Souvenir-cum- Abstracts) of IUFRO International Conference, "Multipurpose trees in the tropics: Assessment, growth and

- Management" from 22<sup>nd</sup> to 25<sup>th</sup> November, 2004, Arid Forest Research Institute, Jodhpur sponsored by APA, MoEF, Govt of India, Goethe-Institute, New Delhi, etc.
- 8. Biswas, Sas and Jain, S.S. (2004). Integrated studies on forest and water for biodiversity management. *In:* Proceeding of National Workshop on Forests and Water Conservation Myths and Realities, Theme I Sustainable Resource management for Water and Food Security from 8<sup>th</sup> to 10<sup>th</sup> June, 2004 organized by Forest Research Institute, Dehradun: 16-17.
- 9. Biswas, Sas and Alpana (2004). Emerging trends in clonal taxonomy of poplars introduced in India for certification and sustainable utilization *In*: 22<sup>nd</sup> Session of International Poplar Commission held at Santiago, Chile from 28<sup>th</sup> November to 2<sup>nd</sup> December, 2004. Organized by Food and Agriculture Organization of United Nations, Commission National del Alamo, Chile and Commission del Alamo, Republica Argentina: 8-9.
- 10. Biswas, Sas; Jain, S.S. and Sumer Chandra (2004). Lesser-Known Rare and Threatened Tree Diversity of Wetland Sites of Doon Valley and Surroundings, Uttaranchal: Need for Conservation. In Proceedings of National Workshop on "Conservation and Sustainable Utilization of Lesser Known Tree Species" (Abstracts) Sponsored by Ministry of Environment and Forests, Govt. of India, New Delhi and organized by Forest Research Institute, Dehradun.









- 11. Chandra, Veena (2005). Threatened Biodiversity of Medicinal Plants IUCN RED LIST CATEGORIES. Ver 3.1. (Abstract) Proc. of National symposium on Emerging Technologies and their Application in Assessment, Conservation and Management of Threatened Wild Medicinal Plants and their Habitats. February 23<sup>rd</sup> to 24<sup>th</sup>, 2005:1.
- 12. Chandra, Veena and Prafulla, Soni (2004). Ethnobotanical approach to ecorestoration. In: Proceedings of National Seminar on Rehabilitation of lands under Anthropogenic stress and degradation (Abstract). IFP, Ranchi.
- 13. Chandra, Veena and Sharma, Shruti (2004). Ethnobotany of lesser-known trees of Rajasthan. In Proceedings of National Workshop on "Conservation and Sustainable Utilization of Lesser Known Tree Species" (Abstracts) Sponsored by Ministry of Environment and Forests, Govt. of India, New Delhi and organized by Forest Research Institute, Dehradun: 38.
- 14. Dayal, R. (2004). Phytochemistry of some useful forest plants. *Indian Forester*, 180 (4): 456-460.
- 15. Dhyani, S. and Tripathi S. (2004). Utilization of Neem For Protection of Non Durable Wood Submitted ICFRE Newsletter.
- 16. Dhyani, S., Tripathi, Sadhna and Indra Dev; (2004). Preliminary screening of neem (*Azadirachta indica*) leaf extractives against *Poria monticola* wood destroying fungus. *J. Ind. Acad. Wood Sci.*, Vol. I (1 & 2), 103-112.
- 17. Dhyani, Swati, Tripathi, Sadhna and Inder Dev. (2004). Preliminary screening of neem (*Azadirachta indica*) leaf extractives against *Poria monticola-* A wood destroying fungus.

- J. Ind. Acad. Wood Sci. (N.S.), Vol. 1 (1 & 2): 103-112.
- 18. Dubey, M.; Negi, Anil and Khali, D.P. (2004). Medium Density Fiberboard in India. *Journal of Timber Development Association of India*, 50(3-4), 42-46.
- 19. Dubey, M.; Negi, Anil and Khali, D.P. (2004). Raw material supply to the Indian wood based industries. *Journal of Timber Development Association of India*, 50(1-2): 48-52.
- 20. Gera Mohit; Gusain, Mahender Singh; Ansari, M.Y. and Bisht, N.S. (2004). Economics of cultivation of some commercially important Medicinal Plants in Haryana. *Indian Forester*, 131(3).
- 21. Gera, Mohit; Gera, Neelu and Ginwal, H.S. (2004). Performance of eleven seed source/provenances of *Albizia procera* (*Roxb.*) under semi-arid region of central India. *Annals of Forestry*, 12(1): 73-80.
- 22. Gera, Mohit; Gera, Neelu and Ginwal, H.S. (2004). Seed source variation in germination and early growth among seven indigenous populations of Derris indica (L) Pierre. *Annals of Forestry*, 12(1): 149-154.
- 23. Ginwal, H.S. and Mandal, A.K. (2004). Variation in growth performance of *Acacia nilotica* Wild. Ex. Del provenances of wide geographical origin: Six year results. *Silvae Genetica*, 53 (5-6): 264-269.
- 24. Ginwal, H.S.; Kumar, Pradip; Sharma, V.K.; and Mandal, A.K. (2004). Seed source variation in growth performance of *Eucalyptus camaldulensis* Dehnh. of Australian origin in India. *Silvae Genetica*, 53 (4): 182-186.
- 25. Ginwal, H.S.; Kumar, Pradip; Sharma, V.K.; Mandal, A.K. and C.E. Harwood (2004).











Genetic variability and early growth performance of *Eucalyptus tereticornis* Sm. in provenance cum progeny trials in India. *Silvae Genetica*, 53 (4-5): 148-153.

- 26. Ginwal, H.S.; Rawat, P.S.; Bhandari, A.S. and Mandal, A.K. (2004). Potting mixture affects the seedling quality in *Albizia procera* (*Roxb*.) Benth. under root trainer seedling production system. *Annals of Forestry*, 12 (2): 172-181.
- 27. Ginwal, H.S.; Sharma, V.K.; Jadon, Vikas S.; Rawat, P.S. and Mandal, A.K. (2004). Occurrence of albino seedlings in blue pine (*Pinus wallichiana* AB Jacks) and their genetic significance. *Annals of Forestry*, 12 (2): 290-292.
- 28. Gupta, Sangeeta (2004). 'Wood Anatomy research in India: Past, Present and Future'. Presented at National Seminar on 'Bio resources awareness and management of solid waste' held at Jhansi.
- 29. Gupta, Sarika, Sharma, P. and Soni, P.L. (2004). Carboxymethylation of Cassia occidentalis seed gum. J. Applied Polymer Science, 94 (4): 1606-1611.
- 30. Gupta, Sarika, Sharma, P. and Soni, P.L. (2005). Chemical modification of Cassia occidentalis seed gum: Carbamoylethylation. Carbohydrate Polymers, 59: 501-506.
- 31. Harsh, N.S.K.; Verma, S.K. and Sharma, S.K. (2004). Gall rust of *Acacia modesta-* a new disease record. *Indian Forester*, 130(4): 461-462.
- 32. Husain H.J.; Pirasteh .S. and Tomar, A. (2004). "Biodiversity Conservation Status In India. In: Bioresources: Concerns and Conservation, *Proc. of National seminar on*

- recent research trends in life sciences (A.N. Kamili and A.R. Yousuf *eds*) Centre for research for development the university of Kashmir, Srinagar from 26<sup>th</sup> to 28<sup>th</sup> August, 2002. pp. 79-85.
- 33. Jain, S.S. and Biswas, Sas (2005). Bamboo diversity studies with reference to New Forest, Dehradun, Uttaranchal. *Van Vigyan*, 39 (1-40): 12-24.
- 34. Jain, S.S. and Biswas, Sas (2004). Some Rare and Threatened Lesser Known Tree Diversity and Strategies for their Conservation: In Proceedings of National Workshop on "Conservation and Sustainable Utilization of Lesser Known Tree Species" (Abstracts) Sponsored by Ministry of Environment and Forests, Govt. of India, New Delhi and organized by Forest Research Institute, Dehradun, 8<sup>th</sup> to10<sup>th</sup> March, 2004: 81.
- 35. Kalia, Shamila and Pandey, V.P. (2004). Biology of *Euproctis scintillans* Walk. (Lepidoptera: Lymantridae) on its new host *Robinia pseudoacacia* L. from H.P. *Entomon.*, 29(1): 85-87.
- 36. Kalia, Shamila and Singh, R.B. (2004). *Miresa albipuncta* Her Shaeffer (Lepidoptera: Limacodidae) a defoliator of *Populus deltoids*: A new report from India. *Ind. J. For.*, 27(2): 221.
- 37. Kapoor, Sarika; Harsh, N.S.K. and Sharma, S.K. (2004). A new wilt disease of *Acacia nilotica* caused by *Fusarium oxysporium*. *J. Trop. For. Sci.*, (16): 453-462.
- 38. Khali, D.P. and Rawat, S.P.S. (2004). Clustering of water molecules during adsorption of water in holocellulose. *Journal of Timber Development Association of India*, 50(1-2), 33-41.









- 39. Khali, D.P.; Negi, Anil and Jain, V.K. (2004). Combi plywood of Plantation species Eucalyptus hybrid, Populus deltoides and Paulownia fortunei Presented in National Seminar on "Wood substitution through Engineered Wood, Bamboo and other Lignocellusosics" on 17th December, 2004 at IPRITI, Bangalore.
- 40. Khullar, Ritu; Varshney, V.K.; Naithani, S.; Heinze, T. and Soni, P.L. Carboxymethylation of cellulosic material (Av. DP 2600) isolated from cotton (Gossypium) linters with respect to degree of substitution and rheological behaviour. Journal of Applied Polymer Science, (Press).
- 41. Kothiyal, Vimal; Khanduri, A.K. and Jain, V.K. (2005). Wood quality assessment of *Populus deltoides* clones from Haldwani, Uttaranchal. *Indian Forester*, Vol. 131 (1): 14-24.
- 42. Kulkarni, N.; Tripathi, Sadhna and Joshi, K.C. (2004). Kairomonal activity of compounds isolated from bark of sal (*Shorea robusta* Gaert. F.) for attracting the sal heartwood borer, *Hoplocerambyx spinicornis* Newman (*Coleoptera: Cerambycidae*). *Indian Journal of Forestry*, Vol. 27 (3): 321-325.
- 43. Kumar, Pankaj; Rawat, V. R. S., Khanduri, V. P. and Tyagi, Monika (2004). Diversity, distribution and conservation of Nitrogen fixing plants of Garhwal Himalayan Region. In Inter National conference on Multipurpose tree in the Tropics: Assessment, Growth and Management from 22<sup>nd</sup> to 25<sup>th</sup> November, 2004, Arid Forest Research Institute, Jodhpur.
- Mishra, A.; Sharma, S.D. and Pandey, R. (2004). Amelioration of degraded sodic soil by afforestation. Arid Land Research & Management. 18: 13-23.

- 45. Misra, R.M., Mishra, R.K. and Bhandari, R.S. (2004). *Isyndus peros*: A new predators to *Heteropsylla cubana*, a sap sucker of subbabool. *Indian Journal of Forestry*, 27(1): 13-115.
- 46. Nautiyal S.; Dhyani, Madhavi, Kumar, Pankaj and Bhandari, H.C.S. (2004). Rooting response of Juvenile shoot cuttings of *Terminalia arjuna* under different hormonal treatment. Workshop proceedings on Potential and Strategies for Sustainable Development of Vanya Silks in the Himalayan States, pp. 70-74.
- 47. Nautiyal S.; Tyagi; Monika, Joshi, Preeti and Kumar, Pankaj (2004). Growth Performance of some Indigenous Fuel wood and Fodder tree species at the three altitudes of Garhwal Himalayas. IUFRO International Conference on Multipurpose Tree in the Tropics, pp. 57.
- 48. Nautiyal, S. and Nautiyal, D.P. (2005). Present status of Exotic *Acacia* species in India. National Symposium on Exotics in Indian forestry PAU Ludhiana (Punjab) from 15<sup>th</sup> to 18<sup>th</sup> March, 2005.
- 49. Nautiyal, S.; Husen, Azamal and Khali, Rakesh (2004). Chlorophyll fluorescence in relation to durnal changes of three *ficus* species. *The Indian Forester*, Vol. 130, No.7. pp. 811-818.
- 50. Nirmal Ram. A paper entitled "Impacts of tourism on hydroecological parameters of sal plantation in the forest hills of Darjeeling, Himalaya" was presented by Dr. Nirmal Ram in a National Seminar on tourism and Himalayan Biodiversity organized by Government P.G. College, Uttarkashi from 4th and 5th March, 2005.

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- 51. Pande, P. K. (2004). Comparative account of temporal variation in soil nutrients under tropical plantations. *Annals of Forestry*, 12 (1): 29-37.
- 52. Pande, P.K. (2004). Nutrients cycling in disturbed tropical dry deciduous Teak forests of Satpura plateau, Madhya Pradesh, India. *Journal of Tropical Forest Science*, 16(1): 94-105.
- 53. Pande, P.K. and Singh, Magan (2005). Intraclonal, inter clonal and single tree variations of wood anatomical properties and specific gravity of clonal ramets of Dalbergia sissoo Roxb. Wood Science & Technology.
- 54. Pande, P. K., Negi, Krishna and Singh, Magan (2004). Inter-species variations in wood elements of different species of Red Meranti group of Shorea of Malay peninsula. *Journal of Indian Academy of Wood Sciences*, 28-30 (182): 97-99.
- 55. Pande, P. K.; Negi, Krishna and Singh, Magan (2004). Wood Anatomical variations in Red Meranti group of Shorea of Malay Peninsula. *Annals of Forestry*, 12 (2):217-232.
- 56. Pande, P.K.; Singh, J.; Meshram, P.B., Banerjee, S. and Pal, M. (2004). Phenological studies on *Azadirachta indica* A Juss. (Neem) of Satpura and adjacent agro climate zones of M P (India). *Indian Forester*, 130 (3):273-282.
- 57. Pande, S. and Bhandari, R.S. (2004). Effect of cone morphology on its susceptibility of Chir pine cone beetle, *Chlorophorus strobilicola* Champion. *Indian Forester*, 130 (11): 1303-1306.
- 58. Prasad, L., Ansari, I.A. and Chandra, S. (2004). Impact of Ascorbic acid in artificial

- diet on the growth and development of Shisham defoliator, *Plecoptera reflexa* Guen. *Indian Journal of Forestry*, 27(1): 95-97.
- 59. Rawat, Laxmi and Vasistha, H.B. "Impacts of tourism on environment of Roopkund and Pindari areas of Nanda Devi Biosphere Reserve, Uttaranchal". Project summary Biannual Bulletin on "Himalayan Biosphere Reserve', Vol. 6 (1&2) by GBPIHE&D, Almora.
- 60. Rawat, S.P.S. and Khali, D.P. (2004). Studies on Adsorption Behaviour of Water Vapours In Lignin Using Flory-Huggins Theory *Journal of Timber Development Association of India*, 50(3-4) 18-24:
- 61. Rawat, Vijay and Rawat, Laxmi (2004). Vishwavyapi jalvayu parivartan: aantarrashtriya prayason me vaniki avam bhartiya pahal. *Van Darpan*, Vol. 5, 8-10.
- 62. Roy, S.M.; Thapliyal, R.C. and Phartyal, S.S. (2004). Seed source variation in cone, seed and seedlings characteristics across the natural distribution of Himalayan low level pine-*Pinus roxburghii*, *Silva Genetica*, 53(3): 116-123.
- 63. Sharma, S.K.; Verma, S.K. and Bhojvaid, P.P. (2004). Cloning of *Acacia nilotica* for multiplication and establishment clonal seed orchard. Paper presented in IUFRO International Conference on Multipurpose Trees of Tropics: Assessment, Growth and Management. Held at AFRI Jodhpur from 22<sup>nd</sup> to 25<sup>th</sup> November, 2004.
- 64. Shukla, A.N.; Soni, P. and Tripathi, A.K. Abstracts of research papers presented in the National Workshop on "Forests and Water Conservation Myths and Realities from 8th to 10th June, 2004.









- 65. Shukla, S.R.; Rao, R.V.; Kumar, P., Kothiyal V. and Sudheendra, R. (2004). Wood quality of fifteen years old *Acacia auriculaeformis* of known seed origin and its comparison with the trees of unknown seed origin. Poster paper presented in National seminar entitled "Wood substitution through engineered wood, Bamboo and other lignocellulosic" held at IPIRTI, Bangalore on 17th December, 2004.
- 66. Singh, A.P. and Bhandari, R.S. (2003). Range extension of Bush Hopper butterfly, *Ampitta dioscrides* Fab. (Lepidoptera: Hesperiidae) into the lower western Himalayas. *Indian Forester*, 129 (8): 1046-1048.
- 67. Singh, A.P. and Pandey, R. (2004). A model for estimating butterfly species richness of areas across the Indian Sub continent: Species proportion of family Papilionidae as an indicator. *JBNHS* 101(1): 79-89.
- 68. Singh, D. and Vasistha, H.B. (2004). Rehabilitation of mined lands in the Himalayas through Silvipostoral models. *Indian Forester*, 130 (4): 398-404.
- 69. Singh, D.; Srivastava, R.K. and Khanduri, V.P.; (2005). Marketing strategies and trade of Medicinal Plants in Uttaranchal: Present and Future prospects. *Indian Forester*, Vol. 131 (3): 330-340.
- 70. Singh, S. and Ahmad, M. (2004). The Hymenopter (Bees, Wasps and Ants): Species and functional diversity, *Van Vigyan*, 39 (1-4): 91-105.
- 71. Singh, S. (2004). A new species of *Caenohomalopoda Tachikawa* (Hymenoptera: Encyrtidae) from Mizoram, *India. Zoo's print Journal*, 19(9): 1613-1615.
- 72. Singh, S.; Belokobylskij, S.A.; Chauhan, N. and Pande, S. (2005). Description of a new

- species of Genus *Spasskia* Belokobylskij, 1998 (Hymenoptera: Braconidae) from India with first record of this genus in the Oriental region. *Annales Zoologici*, 55(1): 95-98.
- 73. Singh, S.B. (2004): Comperative response of fertilizer source of nutrients to *Terminalia arjuna* in water logged sodic soil. *Indian Forester*, 130 (8): 893-898.
- 74. Singh, V. and Dayal, R. (2004). Antifeedant, larvicidal and ovicidal activities of *Vitex negundo* leaves against *Clostera fulgurita*. *SHASHPA*, 11 (2): 145-150.
- 75. Soni, P. and Chandra, Veena (2004). Lesser-known tree species of restoration value in mining belt of Orissa and Jharkhand. *In:* Proceedings of National Workshop on "Conservation and Sustainable Utilization of Lesser Known Tree Species" (Abstracts) Sponsored by Ministry of Environment and Forests, Govt. of India, New Delhi and organized by Forest Research Institute, Dehradun: 14.
- 76. Soni, P. and Negi, Mridula. A paper entitled "Development V/S Destruction Problems and Prospects of Mining Industry"- The paper was presented by Mrs. Soni in the National Seminar on "Anthropogenic Stresses on Environment and Sustainable Development organized at Acharya Narendra Dev Nagar Nigam Mahila Maha Vidyalaya, Kanpur.
- 77. Soni, P. and Om Kumar. A paper entitled "Restoration of Wastelands Key to Sustainable Management of Water Resources"- was presented by P. Soni in the National Workshop on "Forests and Water Conservation Myths and Realities from 8th to 10th June, 2004).
- 78. Thakur, R.K. (2004). Insect pest incidences. Proc. Pilot study on assessment of status of



ANNUAL REPORT 2004-2005









- sustainability of Forest Resources in India (Forest Survey of India, Dehradun and FAO, Rome), pp. 44-47.
- 79. Thapliyal, M. (2004). Twin seedlings in *Putranjiva roxburghii* Wall. *Ind J. Forestry*, 27: 43 44.
- 80. Tripathi, A.K. and Pandey, Uma Kant. "Study of rain water harvesting potential of Zura village of Kutch district of Gujarat". *Journal of Human Ecology*, Vol. 15 (1): 0000 (2004).
- 81. Varshney, V.K.; Dayal, R.; Bhandari, R.S.; Jyothi, K.N.; Prasuna, A.L., Prasad, A.R. and Yadav, J.S. Behavioral response of the borer beetle, *Hoplocerambyx spinicornis* to volatile compounds of the tree *Shorea robusta*. *Chemistry & Biodiversity* (Press).
- 82. Vasistha, H.B. (2004). Forest Health and Vitality: Pollutants. Pitot study on Assessment of Status of Forest Resource in India. F.S.I., Dehradun and FAO" ROME, pp: 55-56.
- 83. Vasistha, H.B. (2004). Protection foundations: Ground water table in vicinity of forest pilot study for Assessment of sustainability of forests in India. F.S.I. Dehradun and FAO, Rome, pp : 104-105.
- 84. Vasistha, H.B. A paper entitled "Landslides: Strategy for their sustainable management in the Himalayan region" was presented by H.B. Vasistha in the National Seminar on "Anthropogenic Stresses on Environment and Sustainable Development organized at Acharya Narendra Dev Nagar Nigam Mahila Maha Vidyalaya, Kanpur.
- 85. Verma, Prashant K., Soni, P. and Rana, B.B. A paper entitled "Strategies for conservation of biodiversity in mined lands- was published in Van Vigyan- A Journal of Forestry Science (Vol. 39 No. 1-4 pp. 25-45, 2001).

86. Verma, S.K.; Mandal, A.K.; Sharma, V.K., Ginwal, H.S. and Sharma, S.K. (2004) Genetic variation in wood properties of segregating populations of *Eucalyptus* hybrids. Paper presented in IUFRO International Conference on Multipurpose Trees of Tropics: Assessment, Growth and Management. Held at AFRI Jodhpur from 22<sup>nd</sup> to 25<sup>th</sup> November, 2004.

# IFGTB, COIMBATORE

- 1. Anandalakshmi, R.; Warrier, R.R. Sivakumar, V. and Gurudev Singh, B. (2005). Investigation on seeds of threatened wild medicinal plants for ex-situ conservation. In: National Symposium on Emerging Technologies and their Application in Assessment, Conservation and Management of Threatened Wild Medicinal Plants and their Habitats from 23rd and 24th February, 2005, Jabalpur (Eds. P.K. Shukla, Ravi Srivastava, Ram Prakash and O.P. Choubey) at SFRI. Sponsored by NMPB, New Delhi and M.P. State MFPCF Ltd., Bhopal. pp. 47.
- Das Gupta, Modhumita; Yasodha R., Sumathi R. and Gurumurthi, K. (2005). Isolation of Simple Sequence Repeats from Casuarina through cross species amplification. In: Proceedings of the National symposium on Microbial and Plant Biotechnology held at Loyola College, Chennai, 17th to 19th February, 2005, pp. 40-50.
- 3. Hegde, Maheshwar and Palanisamy K. (2004). Minor timber yielding species of genus Artocarpus- Resources and Utilization. Abstract-National workshop on conservation and sustainable utilization of lesser known tree species (8th to 10th March). Organised by FRI Dehradun. p.60.









- Hegde, Maheshwar; Lalitha, S.; Padmini, S.; Shanti, A., Gireesan, K.and Palanisamy, K. (2004). Genetic Improvement of Some Multipurpose Trees of genus Artocarpus. In: Souvenir cum abstracts of International Conference on Multipurpose Trees in Tropics

   Assessment, Growth and Management held at AFRI Jodhpur from 22<sup>nd</sup> to 25<sup>th</sup> November, 2004, p. 300.
- 5. Hemalatha, S.; Mohan, V. and Sujatha, K. (2005). Studies on the Effect of Different Carbon Sources on the Growth Improvement of Ectomycorrhizal Fungi. In: 4<sup>th</sup> National Level Biological Congress on Biotechnology A Boon to Humanity held at Department of Biological Science, Muthayammal College of Arts and Science, Rasipuram, Nammakkal District, Tamil Nadu, India. pp. 20.
- 6. Jacob, J.P. (2004). Insect Pests of Forests and their Management. *Proc. of National Seminar on Healthy Environment for the Next Generation*. Loyola college, Chennai, 2004.
- 7. Kamala, S.; Kalaiarasi, K.; Sumathi, R.; Malliga, P. and Yasodha, R. (2005). Establishment of in vitro culture from mature genotypes of Bambusa nutans and Dendrocalamus giganteus. In: Proceedings of the National symposium on Microbial and Plant Biotechnology held at Loyola College, Chennai from 17th to 19th February, 2005, pp. 50-52.
- 8. Karthikeyan, A. (2004). Inoculation of Arbuscular mycorrhizal fungi for improved root structure of *Acacia auriculiformis* A. cunn ex. Benth In: P. Shanmughavel and S. J. Ignacimuthu (Eds) *Tree Improvement and Biotechnology*, Pointer publishers, Jaipur, India, pp.100-109.

- 9. Kunhikannan, C. (2005). Simple value addition for medicinal plant products a low cost drying technique. In: Abstracts, Workshop on Agroforestry for Attappady Wastelands: Potential and Prospects. pp. 25.
- 10. Mathish, N.V.; Tripathi, S.B.; Yasodha, R. and Gurumurthi, K. (2004). Molecular Markers in Tree Breeding. In: Proceedings of the National Seminar on Trends in Plant Genomics at University of Kerala, Trivandrum on 19th November, 2004.
- 11. Mohan, V. (2004). Diversity of Mycorrhizal Fungi and their Role as Biofertilizers in Forestry. In: K. Muthuchelian (Ed.) Biodiversity Resources Management and Sustainable Use. Centre for Biodiversity and Forest Studies, School of Energy, Environment and Natural Resources, Madurai Kamaraj University, Madurai 625 021, Tamil Nadu, India, pp. 353-360.
- 12. Mohan, V. (2005). Distribution of Mycorrhizal Fungi and their Effect on Growth Improvement of Forest Trees in Nursery and Field. In: Workshop on Agroforestry for Attappady Wastelands Potential and Prospects. Attappady Hills Area Development Society, Agali, Govt. of Kerala, Kerala, India, pp. 33.
- 13. Mohan, V. (2005). Mycorrhizal Biofertilizer Technology – A Tool for Forestry Improvement. In: 4<sup>th</sup> National Level Biological Congress on Biotechnology – A Boon to Humanity held at Department of Biological Science, Muthayammal College of Arts and Science, Rasipuram, Nammakkal District, Tamil Nadu, India, pp.7-13.
- 14. Mohan, V. and Manokaran, P. (2004). Selection of Disease Resistant Phenotypes of the Multipurpose Tree Species, Casuarina equisetifolia in South India. In: IUFRO











International Conference on Multipurpose Trees in the Tropics: Assessment, Growth and Management. Arid Forest Research Institute (Indian Council of Forestry Research and Education), Jodhpur – 342 005, Rajasthan, India. pp.309.

- 15. Mohan, V.; Bappammal, M.; Vasanyhi, S. and Manokaran, P. (2004). Studies on the Status of Arbuscular Mycorrhizal Fungi in Association with Some Important Medicinal Plants. In: UGC Sponsored National Symposium on Rural and Ethnomedicinal Plant Remedies Conservation and Utilization (Ayush Remedies 2004) held at PG and Research Department of Botany, Kongunadu Arts and Science College, Coimbatore- 641 029, Tamil Nadu, India, pp. 84-85.
- 16. Mohan. V. (2004). Role of Mycorrhizal Fungi as Biofertilizers in Agriculture, Horticulture and Forestry. In: *Current Trends in Biological Scenario*. National Conference held at P.G. Research Department of Botany, Vellalar College for Women, Erode, Tamil Nadu, India, pp. 37-43.
- 17. Nagarajan, B.; Kunhikannan, C. and Venkatasubramanian, N. (2005). Reproductive fitness is a major factor in species recovery: case studies in Kolli hills and Silent Valley of South India. In: Abstracts National Symposium on Emerging Technologies and their Application in Assessment, Conservation and Management of Threatened wild medicinal Plants and their habitats. 23rd and 24th February, SFRI, Jabalpur, pp.18.
- Prescher, F.; Lindgren, D. and Varghese, M. (2004). Genetic thinning of clonal seed orchards using Linear deployment. In: Li, B and McKeand, S (eds.) Forest Genetics and

- Tree Breeding in the Age of Genomics, IUFRO conference Proceedings, November 1-5, 2004, Charleston, USA, pp 232-240.
- 19. Sasidharan, K.R. and Kunhikannan, C. (2005). Medicinal plants suitable for cultivation in the hill areas of Attappady. In: Abstracts Workshop on Agro forestry for Attappady Wastelands: Potential and Prospects, pp. 22.
- 20. Warrier, K.C.S. (2004). Sacred groves conserved by an ancestral home in south Kerala A case study. In: Abstracts National Workshop on Strategy for Conservation of Sacred Groves. May 27-28, 2004, Institute of Forest Genetics and Tree Breeding (Indian Council of Forestry Research and Education), Coimbatore, India, pp. 9-10.
- 21. Warrier, K.C.S. and Venkataramanan, K.S. (2004). Casuarina for rehabilitation of salt affected areas. In: (Eds. Ray, M. and Panwar, V.P.) Abstracts National Seminar on Rehabilitation of Lands under Anthropogenic Stress and Degradation. Institute of Forest Productivity (Indian Council of Forestry Research and Education), Ranchi, 20th January, 2004, pp. 26.
- 22. Warrier, K.C.S. and Venkataramanan, K.S. (2005). Selection of clones of *Casuarina* equisetifolia for agro forestry in semi-arid locations. In: *Abstracts*, *Workshop on Agro* forestry for *Attappady Wastelands: Potential* and *Prospects*. 8<sup>th</sup> and 9<sup>th</sup> January, Attappady Hills Area Development Society, Agali, Palakkad, Kerala pp. 9.
- 23. Warrier, K.C.S.; Kumar, A. and Balasubramanian, A. (2004). Assessment of clones of Casuarina equisetifolia Forst. using point grading method. In: Souvenir cum Abstracts, IUFRO International









Workshop on Multipurpose Trees in the Tropics: Assessment, Growth and Management from 22<sup>nd</sup> to 25<sup>th</sup> November, 2004. Arid Forest Research Institute (Indian Council of Forestry Research and Education), Jodhpur, India, pp. 266.

- 24. Warrier, K.C.S.; Kunhikannan, C. and Gunasekaran, T. (2004). Sacred groves Remnants of evergreen forests in Alappuzha district, Kerala. In: *Proceedings, National Workshop on Conservation of Sacred Groves* from 16<sup>th</sup> to 18<sup>th</sup> September, 2004. Organised by the Kerala Forest Department at Malabar Palace, Kozhikode, pp. 98-103.
- 25. Yasodha R.; Sumathi R. and Malliga, P. (2005). Protoplast isolation and Regeneration in Eucalyptus camldulensis. In: Proceedings of the National symposium on Microbial and Plant Biotechnology held at Loyola College, Chennai from 17<sup>th</sup> to 19<sup>th</sup> February, 2005, pp.50-51 (Best Poster Award).

## **IWST, BANGALORE**

- Aggarwal, Pankaj K. and Gairola, Suresh (2005). Strategies for enhancing usage of treated wood in India. IRG conference (Doc. No. IRG/WP05/40305).
- 2. Aggarwal, Pankaj, K. and Rao, K.S. (2004). Communication: A vital tool in Forestry Extension for creating awareness amongst end users. Accepted for XXII IUFRO World Congress on Forests in Balance Linking Tradition and Technology to be held at Brisbane, Australia from 8th to 13th August, 2005.
- 3. Aggarwal, Pankaj K. (2005) Growth stresses in plantation timber: their distribution, effect

- and control. Proceedings ISC 92<sup>nd</sup> held at Ahmedabad from 3<sup>rd</sup> to 7<sup>th</sup> January, 2005.
- 4. Aggarwal, Pankaj K.; Gairola, Suresh and Rao, K.S. (2005). Conservation, Restoration and Sustainable Management of Mangrove Forests in India. Proceedings of the National Workshop held at Visakhapatnam in February, 2004. (ISBN No. 81-900284-6-4).
- 5. Ananthanarayana, A.K. and Kumar, P. (2004). Physical and mechanical properties of *Albizia falcataria* from Tamil Nadu. *J. Ind. Acad. Wood. Sci.*, Vol. 1 (N.S.): 1-6.
- 6. Annapurna, D.; Rathore, T.S. and Joshi, G. (2005). Studies on refinement of potting medium ingredients and their ratio for production of quality seedlings of Sandalwood (Santalum album L). Australian Forestry, 68 (1): 43-48.
- 7. Annapurna, D.; Rathore, T.S. and Joshi, G. (2004). Effect of container type and size on the growth and quality of seedlings of Indian Sandalwood (*Santalum album* L.) *Australian Forestry*, 67 (2): 82-87.
- 8. Annapurna, D.; Rathore, T.S.; Joshi, G and Srivastava, A. (2004). Studies on potting mixture and size of containers on the quality of seedling production in *Casuarina* equisetifolia forest. *Indian Forester*, 130 (3): 323:332.
- 9. Dubey, A.K. and Sundararaj, R. (2004). Evaluation of neem products against Aleurodicus disperses Russell (Aleyrodidae:Homoptera) on Bauhinia variegata and Michelia champaca. Indian Journal of Plant Protection, 32 (2):126-128.
- 10. Dubey, A.K. and Sundararaj, R. (2004). A review of the genus *Dialeuronomada* Quaintance and Baker (Hemiptera:

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ANNUAL REPORT 2004-2005









- Aleyrodidae) with descriptions of two new species. *Formosan Entomol.*, 24: 147-157.
- 11. Dubey, A.K. and Sundararaj, R. (2004). Aleyrodids breeding on Teak (*Tectona grandis* Linn. F.) in Western Ghats of south India. *New Horizon of Animal Sciences*, pp.541-547.
- 12. Dubey, A.K. and Sundararaj, R. (2004). Host range of the spiralling whitefly *Aleurodicus dispersus* Russell (Aleyrodidae: Homoptera) in western ghats of south India. *Indian Journal of Forestry*, 27 (1): 63-65.
- 13. Dubey, A.K.; Regu, K. and Sundararaj, R. (2004). Aleyrodid (Hemiptera:Aleyrodidae) fauna of the Lakshadweep, India. *Entomon*, 29 (3): 279-286.
- 14. Dubey, Y.M.; Sharma, S.K.; Rao, R.V. and Kambo, A.S. (2004). Studies on the effect of vapour phase ammonia treatment on strength properties of *Eucalyptus tereticornis* wood. *J. Timber Dev. Assoc.* (India), Vol. 50 (3 & 4): 47-49.
- 15. Gairola, Suresh and Aggarwal, Pankaj K. (2005). Status of Wood Preservation in India–A key note paper for IRG 36 annual conference to be held in Bangalore during April, 2005.
- 16. Hemavathi, T.R.; Shukla, S.R.; Rao, R. Vijendra, Shashikala, S. and Sujatha, M. (2004). Evaluation of physical and wood anatomical properties of 8 years old *Acacia mangium* hybrids. Paper sent for National Seminar on Wood substitution through Engineered wood, Bamboo and other lignocellulosics held on 17th December, 2004 organized by IPIRTI, Bangalore.
- 17. Hemavathi, T.R.; Sujatha, M.; Shashikala, S. and Rao, R. Vijendra (2004). Variation in

- certain anatomical properties of *Casuarina* equisetifolia. National Symposium on Recent Trends in Plant Sciences and XXVII all India Botanical Conference organized by Department of Botany, Sri Krishnadevaraya University, Anantapur, Andhra Pradesh from 29<sup>th</sup> to 31<sup>st</sup> October, 2004.
- Jagadesh, G.; Lal; Ram, Kumar, Ravi and Rao, K.S. Shock-waves in wood preservation. IRG./ WP05-40308.
- 19. Kanfade, A.M., Gairola, Suresh and Aggarwal, Pankaj K. (2005): Strategies for popularizing wood preservation technologies. Role of Extension Support Division of IWST (Doc. No. IRG/WP 05-40313)
- 20. Khali, D.P and Aggarwal, Pankaj K. (2004): Agroforestry demonstration plantations established under UNDP project of ICFRE. *J. of tropical forestry*, Jabalpur, 18 (1) 2002: 4-8
- 21. Khali, D.P. and Rawat, S.P.S. (2004). Clustering of water molecules during adsorption of water in Holocellulose. *Journal of Timber Development Association of India*, 50(1-2), 33-41.
- 22. Koppad, A.G. and Rao, R. Vijendra (2004). Influence of *in-situ* moisture conservation methods and fertilizers on early growth of *Tectona grandis* Linn. F. (Teak) in hill zone of Karnataka. *J. Tropical Forest Science*, 16 (2):218-231.
- 23. Kumar, P.; Rao, R. Vijendra; Kamala, B.S. and Sudheendra, R. (2004). Strength properties of 6 years old plantation grown *Acacia crassicarpa* and *A. mangium* under irrigation. *J. Ind. Acad. Wood Sci.*, Vol. 1 (N.S.): 10-17.









- 24. Kunhamu, T.K.; Kumar, B.M. and Viswanath, S. Tree Allometry, volume and above ground biomass yield in a seven year old *Acacia mangium* Wild. stand at Thiruvazhamkunnu, India. In Proceedings of the IUFRO International conference on Multipurpose trees in the tropics: Assessment, Growth and Management, 22nd to 25th November, 2004, AFRI, Jodhpur.
- 25. Kunhikannan C., Rao; N. Rama and Bisen, S.S. Diversity of plant communities in dry deciduous forests of Tadoba National Park, Chandrapur, Maharashtra, India. Presented in XIV Annual Conference of IAAT and Conservation at Thiruvananthapuram. Organized by Tropical Botanical Garden and Research Institute, Thiruvananthapuram from 29th to 31st December, 2004.
- 26. Lal, Ram and Vani, C.N. A note on the distribution of Copper Chrome Boric (CCB) along the culm length of freshly and felled bamboo treated by modified Boucherie process. IRG/WP05-40317.
- 27. Lal, Ram and Vani, C.N. Treatment of fresh green round bamboos culms (*Dendrocalamus strictus*) by sap displacement (wick) method. IRG/WP05-40311.
- 28. Muthukrishnan, Raja and Remadevi, O.K. (2005). A modified method to determine the toxic values of chemicals against *Lyctus africanus* (Lesne) by larval transfer method (Laboratory method). Paper presented in the International Research Group 36<sup>th</sup> Annual Conference on Wood Protection held at Bangalore from 24<sup>th</sup> to 28<sup>th</sup> April, 2005.
- 29. Muthukrishnan, Raja; Remadevi, O.K. and Sundararaj, R. (2004). Beetle pests of timbers used for handicraft and packing

- cases in Karnataka: A survey report. *Contributions to Biosciences*, Felicitation Volume, pp. 202-211.
- 30. Muthukrishnan, Raja; Remadevi, O.K. and Sundararaj, R. (2004). Natural durability of Indian and exotic timbers against termites. Proceedings of the National workshop on wood preservation in India: challenges, opportunities and strategies held at Institute of Wood Science and Technology, Bangalore on 20th and 21st October, 2003.
- 31. Nagaveni, H.C. and Remadevi, O.K. Natural resistance of Exotics Acacias against wood decay fungi. Paper presented in the National Symposium on "Exotics in Indian Forestry from 13th to 28th March, 2005 conducted by Department of Forestry and Natural Resources, Punjab Agricultural University, Ludhiana.
- 32. Nagaveni, H.C.; Anandalakshmi, M. and Shankaranarayana, K.H. (2004). Fungitoxic studies with a new dye substance from *Persea macrantha* (JIGAT). *My Forest*, 40 (40): 331-334.
- 33. Nagaveni, H.C.; Venmalar, D.; Shankarnarayana, K.H. and Ravikumar, G. (2004). Improvised creosote- SVC (Steam Volatile Creosote) and its efficacy on biodegradation. Proceedings of National workshop on Wood preservation in India: challenges, opportunities and strategies held at Institute of Wood Science and Technology, Bangalore on 20th and 21st October, 2003.
- 34. Nagaveni, H.C.; Venmalar, D., Shankararayana, K.H. and Ravikumar, G. Improvised Creosote SVC (Steam Volatile Creosote) and its efficacy on biodegradation. Proceedings of National Workshop on Wood Preservation in India: Challenges, Opportunities and Strategies.











- 35. Narendran, T.C.; Raji, B. and Remadevi, O.K. (2004). A review of the oriental species of *Megastigmus* Dalman (Hymenoptera:Torymidae). *Entomon*: 299-307.
- 36. Pandey, K. K. (2004). Photodegradation of unmodified and chemically modified wood surfaces. Proceedings of 3<sup>rd</sup> International Symposium on Surfacing and Finishing of wood, Kyoto, Japan, 75-86.
- 37. Pandey, K. K. (2004). Photo-discoloration and Degradation of Wood and its Stabilisation by Modification with Benzoyl Chloride. *International Research Group on Wood Protection*. Document No. IRG/WP 04-40274, Stockholm, Sweden.
- 38. Pandey, K. K. (2005). A note on the influence of extractives on the photodiscolouration and photodegradation of wood. *Polymer Degradation and Stability*, Vol. 87, 375-379.
- 39. Pandy, V.P. and Sundararaj, R. Distribution of the babul whitefly, *Acaudaly rachporu* (Singh) in Indian subcontinent". Paper presented in the National Symposium on "Biodiversity and Insect Pest Management" on 3<sup>rd</sup> and 4<sup>th</sup> February, 2005 at Loyola College, Nungambakkam, Chennai.
- 40. Purushothaman, S. and Viswanath, S. Economic analysis of stakeholder perceptions on land use options in the peripheries of tropical dry deciduous forests in southern India, In Proceedings of 1st World Congress of Agroforestry Working Together for sustainable Land-use systems from 27th June to 02nd July, 2004 at Orlando, Florida, USA.
- 41. Raji, B. and Remadevi, O.K. (2004). Insect diversity in mangroves along the west coast

- of India. *Contributions to Biosciences*, Felicitation Volume, pp:77-87.
- 42. Rao, K.S.; Gairola, Suresh and Aggarwal, Pankaj K. (2004). Wood Preservation in India: Challenges, Opportunities and Strategies. Proceedings of the National Workshop held at Bangalore in 3<sup>rd</sup> October, 2004. (ISBN No.81-900284-5-6)
- 43. Rao, M.V.; Balaji, M.; Kuppusamy, V. and Rao, K. Satyanarayana. Fabrication aspects of plank-built catamarans of recent origin. Presented at the Seminar on Sustainable *Fisheries Development, Focus on Andhra Pradesh.* Organized by Society of Fisheries Technologists (India), Kochi and Central Institute of Fisheries Technology, Visakhapatnam on 23<sup>rd</sup> July, 2004.
- 44. Rao, M.V.; Balaji, M.; Kuppusamy, V. and Rao, K. Satyanarayana. Improving the service life of plank-built catamarans made of *Anogeissus acuminata* through wood preservation. Presented at the Seminar on Sustainable *Fisheries Development*, *Focus on Andhra Pradesh*. Organized by Society of Fisheries Technologists (India), Kochi and Central Institute of Fisheries Technology, Visakhapatnam on 23<sup>rd</sup> July, 2004.
- 45. Rawat, S.P.S. and Khali, D.P. (2004). Studies on adsorption behaviour of water vapours in lignin using flory-huggins theory. *Journal of Timber Development Association of India*, 50(3-4) 18-24:
- 46. Rawat, S.P.S and Shukla, S.R. Viscoelastic behaviour of wood to appear in Proceedings of National Seminar on Wood substitution through Engineered Wood, Bamboo and other Lignocellulosics, 2004
- 47. Rawat, S.P.S. and Shukla, S.R. (2004). Viscoelastic behavour of wood. Abstract









sent for National Seminar on "Wood substitution through Engineered wood, Bamboo and other lignocellulosics" held on 17<sup>th</sup> December, 2004 organized by IPIRTI, Bangalore.

- 48. Remadevi, O.K Tasar culture for tribal welfare and sustainable utilization of forest trees status and prospects. Paper presented in the 17<sup>th</sup> Commonwealth Forestry Conference held at Colombo, Sri Lanka from 28<sup>th</sup> February to 5<sup>th</sup> March, 2005.
- 49. Remadevi, O.K. Detection, Identity and Management of insect pests of timber. *IWST Technical Bulletin*, No. 3, pp.16.
- 50. Remadevi, O.K. and Muthukrishnan, Raja (2004). Field trails to test termiticidal efficacy of selective chemicals on wood. *New Journal of Indian Academy of Wood Science*, ISSN-0972-127X, (1&2): 113-117.
- 51. Remadevi, O.K. and Raji, B. Trophic composition of insect diversity in the mangroves of west coast of India. Paper presented in the National Symposium on "Biodiversity and Insect Pest Management" held on 3<sup>rd</sup> and 4<sup>th</sup> February, 2005 at Loyola College, Nungambakkam, Chennai.
- 52. Remadevi, O.K.; Muthukrishnan, Raja; Nagaveni, H.C.; Sundararaj, R. and Vijayalakshmi, G. (2005). Durability of bamboos in India against termites and fungi and chemical treatment for its enhancement. Paper presented in the International Research Group 36th Annual Conference on Wood Protection held at Bangalore from 24th to 28th April, 2005.
- 53. Remadevi, O.K; Sundararaj, R. and Rao, K.S. (2004). Scope of neem products and pheromones for the management of

- forest insect pests. *Journal of Non-Timber Forest Products*, 11 (20): 125-130.
- 54. Remadevi, O.K Mangroves The sentinels of the sea-shore.Paper presented in the 17<sup>th</sup> Commonwealth Forestry Conference held at Colombo, Sri Lanka from 28<sup>th</sup> February to 5<sup>th</sup> March, 2005.
- 55. Shankaranarayana, K.H.; Nagaveni, H.C. and Anandalakshmi (2004). Fungi toxic studies with a new dye substance from *Persea macrantha*. *My Forest*, 40 (4): 331-334.
- 56. Sharma, S.K.; Dubey, Y.M.; Rao, R.V.; Singh, Dhyan and Shukla, S.R. (2005). Bending of coconut wood by vapour phase ammonia treatment for value addition, Wood News, 14 (4): 68-70.
- 57. Sharma, S.K.; Rao, R.V.; Shukla, S.R.; Kumar, P.; Sudheendra, R.; Sujatha, M. and Dubey, Y.M. (2005). Wood quality of coppiced *Eucalyptus tereticornis* for value addition. *IAWA Journal*, 26 (1): 137-147.
- 58. Sharma, S.K.; Shukla, S.R., Dubey; Y.M. and Kumar, P. (2004). A note on electret effect in plantation grown timbers. *J. Ind. Acad. Wood. Sci.*, Vol. 1 (N.S.): 128-133.
- 59. Shashikala, S. and Rao, R. Vijendra (2004). Juvenile wood properties of *Eucalyptus tereticornis* clones. *J. Ind. Acad. Wood. Sci.*, Vol. 1 (N.S.): 118-127.
- 60. Shukla, S.R. and Sharma, S.K. (2004). Studies on dielectric properties of some plantation grown timber species and computation of their ionisation enegry. *J. Timber Dev. Assoc.* (India), Vol. 50 (3 & 4): 50-59.
- 61. Shukla, S.R.; Kothiyal, V.; Rao, R.V. and Negi, A. (2004). Intra and inter tree variation



ANNUAL REPORT 2004-2005









- in physical and strength properties of Eucalyptus tereticornis J. Ind. Acad. Wood. Sci., Vol. 1 (N.S.): 89-102.
- 62. Shukla, S.R.; Rao, R.V.; Kumar, P.; Kothiyal, V.; Sudheendra, R.; Murthy, N.C., Madhav, Ambadi and Amanulla, B.K. Mohamed (2004). Wood quality of fifteen years old *Acacia auriculaeformis* of known seed origin and its comparison with the trees of unknown seed origin. Paper (poster) presented in National Seminar on Wood substitution through Engineered wood, Bamboo and other lignocellulosics held on 17th December, 2004 organized by IPIRTI, Bangalore.
- 63. Srinivasa, Y.B.; Kumar, Arun; A.N. and Prathapan, K.D. (2004). Canopy arthropods of *Vateria indica* and *Dipterocarpus indicus* in the rainforests of Western Ghats South India. *Current Science*, 86 (10): 1420-1426.
- 64. Srivastava, A.; Rathore, T.S.; Pandey, G.; Kumar, Arun A.N and Nainamalai, R. (2004). Tree Improvement Status and future strategies of some important multipurpose Tree species of Karnataka. In Proceedings of the IUFRO International conference on Multipurpose trees in tropics- Growth, assessment and management held at AFRI, Jodhpur from 22<sup>nd</sup> to 25<sup>th</sup> November, 2004.
- 65. Sundararaj, R. and David, B.V. (2003).

  Massilieurodes homonoiae (Jesudasan & David) Comb. nov. (Aleyrodidae: Homoptera). Entomon, 28 (4): 371-372.
- 66. Sundararaj, R. and Dubey, A.K. (2003). Whiteflies (Hemiptera: Aleyrodidae) associated with Sandal (Santalum album L.) in south India. Entomon, 28 (4): 293-298.
- 67. Sundararaj, R., Muthukrishnan Raja and Remadevi, O.K. (2004). Pest management potential of *Pongamia pinnata* Pierre. Paper presented in the "International Conference

- on Multipurpose tree species in the Tropics: Assessment , Growth and Management" held at Arid Forest Research Institute, Jodhpur from  $22^{nd}$  to  $25^{th}$  November, 2004.
- 68. Sundararaj, R.; Remadevi, O.K. and Muthukrishnan, Raja (2004). Some plant products as antifeedants against the Teak defoliator, *Hyblaea puera* Cramer (Lepidoptera:Hyblaeidae) and Teak skeletonizer, *Paliga machaeralis* Walker (Lepidoptera:Pyralidae). *Ann. For*, 12 (2): 273-277.
- 69. Sundararaj, R.; Remadevi, O.K. and Muthukrishnan, Raja (2004). Efficacy of rubber wood impregnated with some insecticides against subterranean termites. Proceedings of the National workshop on Wood Preservation in India: challenges, opportunities and strategies held at Institute of Wood Science & Technology, Bangalore on 20th and 21st October, 2003.
- Tarakanadha, B.; Rao, M.V.; Balaji, M.; Aggarwal, Pankaj K. and Rao, K.S. (2005). Utility, deterioration and preservation of marine timber in India. Paper accepted for IRG conference (Doc. No. IRG/WP 05-40314).
- 71. Taraknadha, B.; Aggarwal, Pankaj K. and Rao, K.S. Influence of water repellents on the performance of CCA treated wood in a tropical marine environment. Proceedings III International symposium on Wood surface and finishing held at Kyoto University, Japan from 24th to 26th November, 2004. pp. 251-258
- 72. Theagarajan, K.S.; Shankaranarayana, K.H.; Prabhu, V.V. and Ravikumar, G. (2004). Observations on some physico- chemical characteristics of wavy and straight grained *Pterocarpus santalinus* Red Sanders *J. Ind. Acad. Wood Sci.*, Vol. 1, 7-9.











- 73. Venmalar, D. Preservative treatment of green rattan: some preliminary investigation. Proceedings of National Workshop on Wood Preservation in India: Challenges, Opportunities and Strategies.
- 74. Rao, R. Vijendra and Sujatha, M. (2004). Variation in basic density and anatomical properties of plantation grown *Acacia mangium*. *J. Timber Dev. Assoc*. (India) Vol. 50 (3 & 4): 12-17.
- 75. Rao, R. Vijendra; Shashikala, S.; Kumar, P.; Sharma, S.K. and Sudheendra, R. (2004). Culm quality of *Pseodooxytenanthera stocksii*. Paper presented in National Seminar on "Wood substitution through Engineered wood, Bamboo and other lignocellulosics" held on 17th December, 2004 organized by IPIRTI, Bangalore.
- 76. Viswanath, S.; Peddappaiah, R.S. and Rathore, T.S. (2004). Enhancing biomass productivity of MPTs in agroforestry systems in southern India. In Proceedings of the IUFRO International conference on Multipurpose trees in the tropics: Assessment, Growth and Management from 22<sup>nd</sup> to 25<sup>th</sup> November, 2004, AFRI, Jodhpur.

# TFRI, JABALPUR

- Argal, A.; Sah, A.K.; Nanita, B. and Dilraj, I.T.K. (2004). Safed Musli (Chlorophytum borivillianum) - a medicinal plant for providing additional intermittent income under Tectona grandis (Teak). Accecpted in World Agroforestry Congress, Florida, USA, held from 24th to 29th June, 2004.
- Berry, N. and Argal, A. (2004). Lakh: Ek atirikt aye ka sadhan. Symbiosis Aranyotsva: 64 65 pp. Pub. MFP Federation, Jabalpur.

- 3. Bhowmik, A.K.; Sett, R.; Jain, A. and Banerjee, S.K. Impact of eco-restoration on degraded forests of Niwas, West Mandla Division (M.P.). *Indian Agricul.* accepted.
- 4. Dadwal, V.S. and Jamaluddin (2004). Cultivation of *Ganoderma lucidum* (Fr.) Karst. *Indian Forester*, 130(4): 435-440.
- 5. Jamaluddin; Goswami M.K. and Ojha, B.M. (2004). FUNGI OF INDIA 2004 (1989 2001), M/s Scientific Publishers, Jodhpur, 2003.
- 6. Jamaluddin; Soni, K.K. and Turkane, D. (2004). Role of fungi in abortiveness of Teak fruits. *TEAKNET*, 33: 1-2.
- 7. Kulkarni, N.; Joshi, K.C. and Shukla, P.K. (2004). Integrated insect pest management of forest insect pests. pp.370-410. In:Contemporary Trends in Entomology (Ed. Gujar, G.T.), Campus Books, New Delhi.
- 8. Kulkarni, N.; Tripathi, S. and Joshi, K.C. (2004). Kairomonal activity of compounds isolated from bark of Sal(*Shorea robusta* Gaert.f.) for attracting the sal heartwood borer, *Hoplocerambyx spinicornis* Newman (Coleoptera: Cerambycidae). *Indian Journal of Forestry*, 27(3): 321-325.
- 9. Nath, V. (2004). Recommendations of the National Workshop on Regional strategy for plant conservation, TFRI, Jabalpur, May, 2004. p. 1-29. (Technical Bulletin).
- Nath, V.; Rai, Rajiv and Banerjee, S.K. (2005). Biodiversity conservation in Man made and Natural terrestrial Ecosystem .In Environmental scenario in India edited by Dr. Pankaj Srivastava Publisher Care and Sustainable Development Society, Jabalpur.
- 11. Pandey, A.K. and Shukla, P.K. (2004). Studies on the Propagation Methods of



ANNUAL REPORT 2004-2005









- Ashwagandha (Withania somnifera Dunal). Journal of Non-Timber Forest Products, 11(2): 131-134.
- 12. Rai, M.K.; Verma, Ajit and Pandey, A.K. (2004). Antifungal potential of *Spilanthes calva* after inoculation of *Piriformospora indica*, *Mycoses*, 47 (11-12): 479-481.
- 13. Rai, Rajiv and Nath, V. (2005). Herbal medicines in cure of prevalent diseases in tribal pockets of Madhya Pradesh. Ibid. SFRI, Jabalpur. p. 74.
- 14. Rai, Rajiv and Nath, V. (2005). Role of Ethnic and indigenous community in Conservation of Biodiversity in Central India. In Environmental scenario in India edited by Dr. Pankaj Srivastava Publisher Care and Sustainable Development Society, Jabalpur.
- 15. Rai, Rajiv and Nath, V. (2005). Some lesser-known oral herbal contraceptives in folk claim in Bastar region of Chhattisgarh (Paper accepted in Journal of Natural remedies).
- 16. Roychoudhury, N.; Sambath, S. and Joshi, K.C. (2004). Girth class of Sal trees prone to the attack of heartwood borer, Hoplocerambyx spinicornis Newman (Coleoptera: Cerambycidae). Indian Forester, 130(12): 1403-1409.
- 17. Sahoo, T.K.; Mishra, T.K.; Jain, A. and Banerjee, S.K. (2004) Impact of different management systems on biodiversity conservation: A case study. *Indian Forester*, 130 (9): 991-1007.
- 18. Shadangi, D.K. and Nath, V. (2005). Impact of seasons on ground flora under plantation and natural forest in Amarkantak. *Indian Forester*, 131(2): 240-250.

- 19. Shadangi, D.K. and Nath, V. (2005). *In-situ* conservation of biodiversity through preservation plots. Proceedings. Ibid, SFRI, Jabalpur, p. 18.
- 20. Sharma, N. and Joshi, K.C. (2004). Entomopathogenic fungi attacking sal heartwood borer, *Hoplocerambyx spinicornis* Newman. *Indian J. Forestry*, Vol. 27(2): 133-140.
- 21. Singh, R.B., Argal, A. and Banerjee, S.K. (2004). Vegetation Diversity and spatial Soila variability in different ecosystems in Teak and Sal trasition zone. *Eco Env. & Cons.*, 10(4): 479 486.
- 22. Singh, Yogendra; Verma, R.K. and Jamaluddin (2003). Combinations of biocontrol agents, organic matter and biofertilizers to suppress Fusarium wilt and improve growth of *Gmelina arborea* seedlings. *Indian Jour. Trop. Biod.*, 11(1-2): 74-84.
- 23. Soni, K.K. and Jamaluddin (2004). Mortality of *Casuarina equisetifolia* in clonal seed orchard in Tamil Nadu, India. *Jour. Trop. For. Sci.*, 16(1): 132-135.
- 24. Soni, K.K.; Dadwal, V.S. and Jamaluddin (2004). Phomopsis causing canker in flowering twigs of Teak. *TEAKNET*, 32: 1-3.
- 25. Verma, R.K. and Jamaluddin (2004). Response of arbuscular mycorrhizal fungi in combination on growth and nutrient uptake in *Bambusa nutans*. *Indian Forester*, 130(2): 181-186.
- 26. Verma, R.K.; Soni, K.K.; Sharma, Nidhi and Jamaluddin (2004). Fungal diversity in forests of Satpura Plateau and Vainganga Valley of central India. In: Advances in fungal diversity and host pathogen interactions, p. 43, 26th Ann. Conf. & Symp. –









- ISMPP, Goa University, Goa, India, 7<sup>th</sup> to 9<sup>th</sup> October, 2004.
- 27. Yousuf, M.; Joshi, K. C. and Kulkarni, N. (2004). *Trichogramma*: The noble egg parasitoids, their success and potential in biological control of insect pests. In: *Contemporary trends in Insect Science* (Ed. G.T. Gujar) PP 307-369. Campus Books Inter national, New Delhi, p. 424.

#### RFRI, JORHAT

- 1. Bora, I.P.; Barua, A. and Singh, J. (2004). Evaluation of local rhizobial isolates for their efficiency in growth, nodulation and biomass production in *Samania saman* seedlings. *Ind. J. Forestry*, 27(2): 193-199.
- 2. Kalita, R.K.; Bora, D.P. and Dutta, D. (2004). Associations of arbuscular mycorrhizas with twenty biomass species in Assam. *Indian Forester*, 130:699-704.
- 3. Pattanaik, S.; Pathak, K.C.; Bhuyan, T.C.; Khobragade, N.; Das, P. and Prasad, K.G. (2004): Mensurational Studies in *Melocanna baccifera*. *Journal of Tropical Forest Science*, 16 (1): 62-70.
- 4. Sarma, K.K. and Pathak, K.C. (2004): Leaf and culm sheath morphology of some important Bamboo species of Assam. *J. Bamboo and Rattan*, Vol. 3, No. 3. pp. 265-281.
- 5. Singh, A.N.; Borah, T. R. and Sarma, G.S. (2004): Shoot Blight disease causing menace in Holong nursery. Accepted for publication in *The Indian Forester*, Dehradun.
- 6. Singh, A.N.; Borah, T.R.; Sarma, G. S. and Borah, N. J. (2004). Nursery diseases of Dipterocarpus retusus. The Indian Forester, Vol. 130 (7): 742-748.

- 7. Singh, J; and Barua, Kuntala N. (2004). Biological spectrum of some hill Jhum fallow communities of Assam. *Ann. For.*, (12(1): 65-72.
- 8. Singh, J.; Barua, A. and Bora, I.P. (2004). Effect on green manuring and inorganic fertilizer in soil properties and yield. *J. Non-Timber Forest Product*, 1 (4): 11-14.
- 9. Singh, J., Barua, Kuntala N. and Hazarika, P. Analysis of plant communities during secondary succession after 'Jhum' at Karbi Anglong District, North-East India. *Ind. For.*, Vol. 27(1): 83-87.
- Singh, Ombir; Singh, Jasbir and Bhuyan, T.C. (2004). Establishment of Seed Production Area of Khasipine (*Pinus kesiya*) in Meghalaya through improved technique. *Indian Forester*, 130(6): 691-698.
- Thakur, Ajay; Sarma, P.; Das, S. and Singh, A.N. (2004). Albino seedling in Dipterocarpus retusus: A new record. Accepted for publication in The Indian Forester, Dehradun.

## AFRI, JODHPUR

- 1. Ahmed, S.I. and Kumar, Shivesh (2004). Biology and efficacy of *Tetrastichus spirabilis* and *Eupelmus* sp., the potential biocontrol agents of gall forming insects of *Prosopis cineraria* (L.) Druce. Paper presented in International conference on *Multipurpose trees in the Tropics: Assessment, Growth and Management* organized by Arid Forest Research Institute, Jodhpur from 22<sup>nd</sup> to 25<sup>th</sup> November, 2004.
- 2. Arya, Ranjana (2004). Effect of plant species on soil properties under irrigated conditions in hot arid regions of India. Paper presented in the IUFRO International Conference on











Multipurpose Trees in the Tropics held from  $22^{nd}$  to  $25^{th}$  November, 2004 at AFRI, Jodhpur.

- 3. Arya, Ranjana and Lohra, R.R. (2004). Growth and biomass yield from *Salvadora persica* with management practices on salt affected soil under hot arid conditions in India. Paper presented in the IUFRO International Conference on Multipurpose Trees in the Tropics held from 22<sup>nd</sup> to 25<sup>th</sup> November, 2004 at AFRI, Jodhpur.
- 4. Arya, Ranjana and Lohra, R.R. (2004). Utilization of degraded arid salt lands with different management practices. Paper presented in National Seminar on "Rehabilitation of lands under Anthropogenic Stress and Degradation at IFP Ranchi on 20th January, 2004.
- 5. Arya, Ranjana; Rathore, Mala and Srivastava, R.L. (2004). Changes in Protein Concentration in Various Plant Parts of Salvadora persica under the Influence of Gypsum and Nitrogen in Arid Salt Affected Soils. Paper presented in the UGC seminar on Trends in Analytical chemistry, held from 29th November to 1st December, 2004 in Dept. of Chemistry, JNV University, Jodhpur.
- Bala, N.; Kumar, Pramod; Kurdaram and Singh, G. (2004). Poverty alleviation and resource restoration through community participation. Submitted for the 17<sup>th</sup> Commonwealth Forestry Conference to be held between from 28<sup>th</sup> February to 5<sup>th</sup> March, 2005.
- Bala, N.; Kumar, Pramod and Singh, G. (2004). Forests influence water regime. In: National workshop on Forest and Water conservation: Mythes and Realities, held at FRI, Dehradun from 8th to 10th June, 2004.

- 8. Chaudhry, P. and Tewari, V.P. (2004). Use Value a case study of Mahatama Gandhi Marine National Park, Andaman & Nicobar Islands, India, Paper presented during the IUFRO International Conference on 'Multipurpose Trees in the Tropics: Assessment, Growth and Management' organized at AFRI from 22<sup>th</sup> to 25<sup>th</sup> November, 2004.
- 9. Chaudhuri, K.K.; Mishra, D.K.; Singh, Vedpal and Shukla, J.K. (2004). Analysing the availability of medicinal plants and their export potential in India. Presented in the IUFRO International Conference on Multipurpose trees in the Tropics: Assessment, Growth and Management held at AFRI, Jodhpur from 22<sup>nd</sup> to 25<sup>th</sup> November, 2004.
- 10. Chaudhuri, K.K.; Mishra, D.K.; Singh, Vedpal and Shukla, J.K. (2004). Harnessing Thar biodiversity for medicinal uses. In: National Workshop on 'Conservation and sustainable utilization of lesser known tree species', FRI, Dehradun from 8th to 10th March, 2004.
- 11. Chaukiyal, S.P. and Pokhriyal, T.C. (2004). Effects of Nitrogen treatment and seasonal variation on growth and biomass production in *Pongamia pinnata*. Pirre. seedlings. Presented in IUFRO conference held at AFRI from 22<sup>nd</sup> to 25<sup>th</sup> November, 2004.
- 12. Gour, V.K., Emmanuel, C.J.S.K and Kant, Tarun (2004). Direct *in vitro* shoot morphogenesis in desert date (Balanites) from root segments. Paper presented in the IUFRO International Conference on Multipurpose Trees in the Tropics: Assessment, growth and Management, organised at AFRI, Jodhpur from 22<sup>nd</sup> to 25<sup>th</sup> November, 2004.
- 13. Jain, S.H. and Arya, Ranjana (2004). Utilisation of plantation grown timber species with application of appropriate post









harvest technology to substitute traditional timbers in arid/semi-arid region. National seminar on wood substitution through engineered wood, bamboo and other lignocellulosics, held on 17<sup>th</sup> December, 2004 at IPIRTI, Bangalore.

- 14. Jain, S.H.; Arya, Ranjana and Chaudhuri, K.K. (2004). Rational utilization of plantation grown lesser know timber species presented in National workshop on "Conservation and Sustainable utilization of Lesser known tree species" from 8th to 10th March, 2004 at FRI, Dehradun.
- 15. Jain, S.H.; Kumar, Hemant; Arya, Ranjana and Chaudhuri, K.K. (2004). Sandal (Santalum album L.) a High Value Tree (HVT) species potential multipurpose tree of arid/semi arid region. Presented in IUFRO international conference on MPTS held from 22<sup>nd</sup> to 25<sup>th</sup> November, 2004 at AFRI, Jodhpur.
- 16. Mishra, D.K.; Shukla, J.K. and Srivastava, R.L. (2005). Rare and threatened medicinal plants of Rajasthan and their conservation concern. Paper presented in the National symposium on emerging technologies and their application in assessment, conservation and management of threatened wild medicinal plants and their habitats, held at SFRI, Jabalpur from 23<sup>rd</sup> to 25<sup>th</sup> February, 2005.
- 17. Prajapati, S.S.; Emmanuel, C.J.S.K. and Kant, Tarun (2004). Micropropagation of an endangered medicinal tree species of the arid zone: *Commiphora wightii*. Paper presented in the IUFRO International Conference on Multipurpose Trees in the Tropics: Assessment, growth and Management, organised at AFRI, Jodhpur from 22<sup>nd</sup> to 25<sup>th</sup> November, 2004.

- 18. Rathore, Mala and Meena, Rajendra (2004). Trees outside forest as a source of leaf protein concentrate for Improving Nutrition. Paper presented in the IUFRO International Conference on Multipurpose Trees in the Tropics held from 22<sup>nd</sup> to 25<sup>th</sup> November, 2004 at AFRI, Jodhpur.
- 19. Rathore, Mala; Arya, R.; Meena, Rajendra and Chaudhuri, K.K. (2004). Potential of some lesser known oilseed tree species from Indian Arid Zone. In: National workshop on "Conservation and Sustainable utilisation of lesser known tree species" from 8th to 10th March, 2004 at FRI, Dehradun.
- 20. Singh, G. and Rathod, T.R. (2004). Lysimetric study of soil water utilization by tree seedlings in arid environment. In: National workshop on Forest and Water conservation: Mythes and Realities held at FRI, Dehradun from 8<sup>th</sup> to 10<sup>th</sup> June, 2004.
- 21. Singh, G. and Singh, Bilas (2004). Biomass production and water use in *Dalbergia* sissoo seedlings in relation to soil water stress. Presented in IUFRO conference to at AFRI from 22<sup>nd</sup> to 25<sup>th</sup> November, 2004.
- 22. Singh, G.; Rathod, T.R.; Mutha, S., Upadhyaya, S. and Bala, N. (2004). Tree associated diversity and productivity of vegetation recovered after a severe drought in Indian desert. Presented in IUFRO conference held at AFRI from 22<sup>nd</sup> to 25<sup>th</sup> November, 2004.
- 23. Srivastava, K.K.; Thangamani, D. and Verma, Neelam (2004). Antagonistic activity of AM-fungi against fusarium wilt disease of Rhoida (*Tecomellaa undulata* sm. seem.) Paper presented in *National conference on "Microbes for Mankind"* conducted by Dept. of Microbiology, Karpagam Arts and Science











- College, Coimbatore from  $9^{th}$  and  $10^{th}$  January, 2004.
- 24. Srivastava, K.K.; Verma, Neelam and Thangamani, D. (2004). Mycorrhizal Dependency (MD) of some Multipurpose Tree species (MPTS) Of Arid Zone. Paper presented in International conference on Multipurpose trees in the Tropics: Assessment, Growth and Management organized by Arid Forest Research Institute, Jodhpur from 22nd to 25th November, 2004.
- 25. Srivastava, R.L.; Bala, N. and Singh, G. (2004). Biological pumps to reclaim waterlogged areas and to reduce soil salinity. In: National workshop on 'Forest and Water conservation: Mythes and Realities' held at FRI, Dehradun from 8th to 10th June, 2004.
- 26. Srivastava, R.L.; Chaudhuri, K.K.; Meena, R.L.; Mishra, D.K. and Shukla, J.K. (2004). Important medicinal plants of Thar Desert: cultivation and market potential. 2<sup>nd</sup> Global Summit on Medicinal and Aromatic Plants, New Delhi from 25<sup>th</sup> to 29<sup>th</sup> October, 2004.
- 27. Tewari, V.P. (2004). Individual tree growth models for an *Ailanthus excelsa* roxb. plantation in the hot arid region of India. Paper presented in the IUFRO International Conference on 'Multipurpose Trees in the Tropics: Assessment, Growth and Management" held at AFRI from 22<sup>nd</sup> to 25<sup>th</sup> November, 2004.
- 28. Thangamani, D. and Srivastava, K.K. (2004). Purification and characterization of single cell protein from *Aspergillus wentii*. Paper sent to National conference on "*Genomics for health*" held on 11<sup>th</sup> and 12<sup>th</sup> December, 2004 at Department of Biotechnology and Microbiology, Karpagam Arts and Science College, Coimbatore.

- 29. Thangamani, D.; Srivastava, K. K. and Verma, Neelam (2004). Noval antifungal protein from staphylococcus aureus against *Macrophomina phaseolina*. Paper presented in National conference on "Microbes for Mankind" conducted by Dept. pf Microbiology, Karpagam Arts and Science college, Coimbatore on 9th and 10th January, 2004.
- 30. Thangamani, D.; Srivastava, K.K. and Swaminathan, K. (2004). Mycobial Gene(s) In long term Management of Some Multipurpose tree species (MPTS). Paper presented and abstract published in International conference on Multipurpose trees in the Tropics: Assessment, Growth and Management organized by Arid Forest Research Institute, Jodhpur from 22<sup>nd</sup> to 25<sup>th</sup> November, 2004.
- 31. Thangamani, D.; Srivastava, K.K. and Verma, Neelam (2004). Identification and Purification of antifungal proteins from *Trigonella foenum* graceum against the charcoal rot causing organism *Macrophomina phaseolina*. Paper presented in National conference on "Microbes for Mankind" conducted by Dept. of Microbiology, Karpagam Arts and Science college, Coimbatore on 9th and 10th January, 2004.

# HFRI, SHIMLA

1. Kapoor, K.S. (2004). Biodiversity in Cold Deserts of Western Himalayas – Technology Interventions for Mountain Ecosystems (TIME). Publication of Science and Society Division, Department of Science and Technology, Government of India, New Delhi. 17-21 pp.









- Kapoor, K.S.; Subramani, S.P. and Jishtu, Vaneet (2004). Medicinal Plant Wealth in High Altitudes including Cold Deserts of Western Himalayas, their Taxonomy and Distribution. Chapter accepted for publication in the book titled, "Advances in Medicinal Plants" to be published by Asian Medicinal Plants and Health Care Trust. Jodhpur.
- 3. Kapoor, K.S.; Verma, R.K. and Rawat, Ranjeet S. (2004). Performance of Different Provenances of Populus ciliata Wall Ex. Royle in Kullu Valley, Himachal Pradesh, Indian Journal of Forestry, Vol. 27(1): 57-61.
- Kumar, Ashok and Paramathma, M. (2005). 4. Correlation and Path coefficient studies in Casuarina equisetifolia. L. Johnson. Indian Forester, 131(1): 47-55.
- Kumar, Shailendra; Kumar, Surinder; Kapoor, 5. K.S.; Singh, Ranjeet and Chakrabarti, S. (2004). Mortality of Dalbergia sissoo, Roxb. (Shisham) in Subathu Forest Range of Solan, Himachal Pradesh: A Case Study. Indian Forester, Vol. 130(3): 349-350.
- Pande, P.K.; Singh, Jagdish; Meshram, 6. P.B.; Banerjee, S.K. and Pal, Mohinder Phenological studies (2004).Azadirachta indica A. Juss. (Neem) of Satpura and adjacent agro-climatic zones of Madhya Pradesh (India). Indian Forester, Vol. 130 No. 3, 2004.
- 7. Rawat, Ranjeet S.; Kapoor, K.S. and Verma, R.K. (2004). Some Ecological Causes of Cedrus deodara D. Don Mortality in Manali of Himachal Himalayas. GEO BIOS Vol. 31(4): 253-256.
- Sharma, S.; Kumar, S.; Thakur, K.S. and 8. Negi, P.S. (2005). Estimation of variability in branching, production of woody cuttings and

- rooting of branch cuttings in selected clones of Dalbergia sissoo Roxb. In 'Agroforestry in 21st Century' book, Eds. S.K. Chauhan, S.S. Gill, H.N. Khajuria and R. Chauhan, Agrotech Publishing Academy, Udaipur, pp. 194-199.
- Sharma, S.; Negi, P.S.; Thakur, K.S. and 9. Kumar, S. (2004). Studies on vegetative propagation of Colutea nepalensis Sims through shoot cutting: A potential species for cold desert afforestration. Indian Forester, 130(12): 1422-1431.
- Sharma, S.; Negi, P.S.; Thakur, K.S. and Kumar, S. (2004). Study on germination and longevity in seeds of Hippophae tibetana Schltr. Indian Forester, 130(6): 647-654.
- 11. Singh, R. (2004). Emerging insect pest problems of Acacia nilotica (Baul) and their management. In: Shisham and Kikar Mortality and their improvement (Eds. Snajeev K. Chauhan; S.S. Gill; S.C. Sharma and Rajni Chauhan) Dept. of Forestry and Natural Resources, Punjab Agricultural University, Ludhiana.
- 12. Singh, R.; Singh, Charan; Kapoor, K.S. and Bhalaik, R.R. (2004). Evaluation of Insecticides against defoliators of Populus ciliata in Himachal Pradesh. In: Agroforestry in 21st Century (Eds. Sanjeev K. Chauhan; S.S. Gill; S.C. Sharma and Rajni Chauhan) Agrotech Publishing Academy, Udaipur. 341-344.
- 13. Singh, Ranjeet; Singh, Charan; Kapoor, K.S. and Bhalaik, R.R (2004). Evaluation of Insecticides Against Defoliators of Populus ciliata in Himachal Pradesh. Proceedings of the Workshop on Agroforestry in Twenty First Century. Agrotech Publishing Academy, Udaipur: 341-344.











- 14. Verma, R.K. (2004). Evaluation of Biological Diversity and Soil Quality under Plantation of Degraded Land. *Indian Forester*, Vol. 130(7): 791-799.
- 15. Verma, R.K. and Shadangi, D.K. (2004). Analysis of Biological Diversity and Soil Quality under *Anacardium occidentale* and *Albizia procera* plantations raised on degraded land. *Indian Journal of Ecology*, 31(1): 54-57.
- 16. Verma, R.K.; Kapoor, K.S. and Rawat, R.S. (2004). Performance of Different Tree Species under Limestone Mine-spoil; Forest Soil and Farm Yard Manure based Potting Media in Nursery. Annals of Forestry, Vol. 12(2): 195-200, 2004.
- 17. Verma, R.K.; Kapoor, K.S.; Subramani, S.P. and Rawat, Ranjeet, S. (2004). Evaluation of Plant Diversity and Soil Quality under Plantations raised in Surface Mined Areas, *Indian Journal of Forestry*, Vol. 27(2): 227-233.
- 18. Verma, R.K.; Subramani, S.P.; Kapoor, K.S. and Kumar, Surinder (2005). Status of Plant Diversity Around Renuka Wildlife Sanctuary, Himachal Pradesh. *Environment and Ecology*, Vol. 23(1): 158-163.

## CFRHRD, CHHINDWARA

1. Meshram, P.B. (2004). Heavy outbreak of while grub *Holotrichia serrata* Fab. On safed muslis *Chlorophytum borivillianum* L. at satpura plateau. *Indian Forester*, 130(6): 707-708.

- 2. Meshram, P.B. and Vijayaraghavan, A. (2004). A new report of *lecerya purchasi* Maskell (Hemipt: Margaradidae) as a pest of *Plumbago zeylanica* Linn. *Indian Forester*, 130(5): 583-584.
- 3. Sonkar, S.D.; Nandeshwar, D.L., Vijayaraghavan, A. and Meshram, Mamta (2004). Evaluation of biological diversity under the plantation of different tree species in degraded land. *Nature Environment and Pollution Technology*, Vol. 3: 391-396.
- 4. Tiwari, C.K. and Harsh, N.S.K. (2004). Biodegradation of cellulose by wood decaying fungi. *Indian Forester*, Vol. 130 (7): 805-810.
- 5. Tiwari, C.K. and Harsh, N.S.K. (2005). Wood decaying fungi of Teak. *Indian Forester*, Vol. 131(2): 215-221.
- 6. Tiwari, C.K. and Verma, R.K. (2004). Effect of fungicides and plant growth hormones on germination of Teak (*Tectona grandis*) *Gen. Trop. Forest, Sci.*, 16(1): 25-44.
- 7. Tiwari, C.K, Jamaluddin and Dungana, H.N. (2004). Distribution of wood decaying fungi in Haltugaon forest division, Lower Assam. *Indian Forester*, Vol. 130 (6): 630-638.
- 8. Tiwari, C.K, Meshram, P.B. and Patra, A.K; (2004). Artificial cultivation of *Ganoderma lucidum*, *Indian Forester*, 130(9): 1057-1059.
- 9. Vijayaraghavan, A. (2005). Influence of plant spacing on herbage yield of Patchouli (*P. patchouli*) in Central India. *My Forest*, Vol. 40(3): 239-240.