

Forestry for Sustainable Development: Toward the 21st Century

The economic
contribution
of forestry to
sustainable
development

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Proceedings of the
XI World Forestry Congress

13-22 October 1997

ANTALYA



Volume 4

CORRIGENDUM TO VOLUME 4

Please note the following changes/additions:

- 1-page 39: the paper titled: "Study on matrix of microcrystalline cellulose for adsorption of water- soluble polymers" was prepared by;
Jie Song Yong Fa Hou, E.F.Panarin
- 2-page 39: the paper titled: " Effect of radiation dosis and position in the culm on polystyrened betung bamboo properties" was prepared by;
Y.S.Hadi, I.Wahyudi, F.Febrianto, M.Utama
- 3-page 46 : the paper titled: "Outdoor performance of some coating system of wood in Eastern Black Sea Region of Turkey " was prepared by; **M.Kemal Yalinkiliç, H. Peker, E. Baysal, Z. Demirci, E. Baysal, H. Sivrikaya, Y.Sudiyani**
- 4-page 47: the paper titled: "The bleaching of Chemi-Thermomechanical pulp with hydrogen peroxide (H_2O_2)" was prepared by; **Mustafa Usta, A.Tutuş, H.Eroğlu**
- 5-page 52: the paper titled: "The effect of surface roughness and press stress on the bonding strength" was prepared by; **Yener Göker, Ali Şenay**
- 6-page 52: the paper titled: "Cereal straw as a raw material in the paper industry and a new cooking method "Soda-Air -Pulping" was prepared by;
H.Eroğlu, H.Kırıcı, M.Usta , M.K.Uslu
- 7-page 56: the paper titled: "Fiber morphology and chemical compositon of *Eucalyptus grandis* grown in Turkey (Tarsus-Karabucak)" was prepared by;
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- 8-page 81: the paper titled: "Nutritional conditions of chainsaw operators in a timber cutting operation in Brazil" was prepared by; **Luciano José Minette, Amaury Paulo de Souza, Kátia S. Ferreira, Neuza Maria B. Costa, Vânia Orlandi**
- 9-page 82: the paper titled: "Analysis of ergonomic factors in mechanized timber harvesting operations in Brazil " was prepared by;
Fiedler, N. C. ; Souza, A. P. ; Machado, C. C. ; Baeta, F. C.
- 10-page 106: the paper titled: "Export-import and production forecasting of the papers used in Turkey " was prepared by; **Erdoğan Gavcar , S.Sen, A.Aytekin**
- 11-page 214: the paper titled: "National forest inventory and stumpage prices data in evaluation of forestry return" was prepared by;
Markku Penttinen, A. Lausti, Simo Hannelius
- 12-page 216: the paper titled: "Economically sustainable forest management" was prepared by; **M.A. Meijer, G. W. Meijerink, H.J.L. Custers, H.J. Hekhuis**

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EFFECTS OF THE CHANGES IN THE DEMAND SHIFTS ON THE WORLD PULP MARKET

Antonio Donizette de Oliveira¹, Josè Luiz Pereira de Rezende¹, Orlando Monteiro da Silva²

In this research, the Armington's Model is used to study the international pulp market (five main exporters and seven main importers) and to simulate the long term effects on the production level, on prices and on world. How direction caused by change in the demand shifters of Japan, Italy, Germany, England, France and Belgium. It concluded that pulp prices increased more in Brazil, Sweden and Finland than in the United States, Canada and the rest of the world. In the short term, the pulp price increased by 3.89% in the United States and by 7.3% in Sweden. In the long term the price increase was smaller. In the United States pulp imports went down, where an increase in domestic supply resulted in an increase in domestic consumption and exports to all countries. All countries increased their exports to the European Union and Japan. Forestry projects take a long time to maturity causing pulp supply to be inelastic.

Keywords: Pulp market, demand for pulp, Armington model.

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EXPORT-IMPORT AND PRODUCTION FORECASTING OF THE PAPER USED IN TURKEY

Erdoğan Gavcar¹ et al.

Paper plays a very important role as one of the basic materials used in our cultural and industrial life. The paper consumption rate is very closely related to the country's welfare and reflects the social, cultural and industrial development levels.

This study is carried out to assist rational planning of production and consumption. Paper being produced and consumed in Turkey was classified into eight main groups. Factors that affect forecasting of export, import and production are wholesale price indexes in paper products and the printing industry, import export, gross national product and population. Data needed in this study was obtained from the State Institute of Statistics, the State Organisation of Planning and the General Directorate of

Equations associated with multiple regression and correlation analyses used in this study are solved by means of software called STATGRAPHICS. Among the equations obtained from software having the least variation and more explanatory power, one is accepted as a model. Predicted values for the years between 1996 and 2000 were calculated by simple regression and then substituted in the main equation so the predicted values were done for future requirements.

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