

Impact Of Bark On Fiber Line And Recovery Operations

**Rajesh K.S., Tamilarasy R.S., Vijayakumar, T., Subramanian.S,
Subrahmanyam.S.V**

ABSTRACT

With dwindling availability of wood, variety of species are being used for pulp production ranging from Eucalyptus hybrid, Casuarina, Subabul, Wattle, Blue gum, Acacia etc. Some varieties are used as such with bark, due to their thin structure and difficulty in removing. The bark portion of the wood is not desirable for pulping, due to its low fiber value and accumulated non process elements (NPE) such as Ca, Mg, Si, Cl, etc. which find their way into the process and also affect pulp processing and quality. The NPE's create problems in the process such as scaling, corrosion decreasing process efficiency. The present study discusses the advantages of bark removal from different species, on pulping and chemical recovery process. In spite of higher cost for debarking, bark removal does have economical advantage in terms of pulp throughput and decreased NPE accumulation in the system.