

Journal of the Indian Academy of Wood Science

Volume 11 · Number 2 · December 2014

ORIGINAL ARTICLES

Genetic analysis for growth and wood parameters in progenies of different clones of *Populus deltoides* Bartr. ex. Marsh

P.K. Pande · P. Gautam · R.C. Dhiman 93

An example of sustainability: use of recycled polystyrene for treating wood of *Pinus* sp. and *Eucalyptus* sp.

R. Lopes · V.R. Botaro 100

Synthesis and characterization of medium density fiber board by using mixture of natural rubber latex and starch as an adhesive

S. Akbari · A. Gupta · T.A. Khan · S.S. Jamari · N.B.C. Ani · P. Poddar 109

Effect of nano-SiO₂ on physical and mechanical properties of fiber reinforced composites (FRCs)

S.B. Hosseini · S. Hedjazi · L. Jamalirad · A. Sukhtesaraie 116

Intra clonal variations of specific gravity and selected mechanical properties of *Eucalyptus tereticornis* Sm.

V. Kothiyal 122

Investigation on physical and mechanical properties of wood-cement block manufactured from agriculture residues and *Haloxylon* species

S. Kamali Moghadam · M. Shamsian · F. Moeel Tabaghdehi · S. Mir ·

H. Rezayi Shahri · R. Sabazudkhiz · M. Faegh 134

Resistance of preservative treated mahogany wood to subterranean termite attack

A.M. Fadillah · Y.S. Hadi · M.Y. Massijaya · B. Ozarska 140

Characterization of charcoal from some promising bamboo species

R. Kumar · N. Chandrashekar 144

The effect of using willow wood on the optical and mechanical properties of newsprint paper obtained from chemi-mechanical pulp

A. Barimani · M. Gholamnezhad · A. Ghasemian 150

Development of composite beams made from tali (*Gigantochloa apus*) and hitam bamboo (*Gigantochloa atroviolacea*)

T.D. Cahyono · E. Novriyanti · E.T. Bahtiar · M.Y. Massijaya 156

Near infrared (NIR) spectroscopy for estimating the chemical composition of (*Acacia mangium* Willd.) wood

L. Karlinasari · M. Sabed · I.N.J. Wistara · Y.A. Purwanto 162

Surface characteristics and physical properties of wheat straw particleboard with UF resin

S.M. Hafezi · K.D. Hosseini 168

Influences of nano-chitosan treatment on physical, mechanical properties and bio resistance of wood

Z. Nowrouzi · B. Mohebbi · H. Younesi 174

Effect of high temperature processing under different environments on physical and surface properties of rubberwood (*Hevea brasiliensis*)

S.R. Shukla · S.K. Sharma 182

Further articles can be found at link.springer.com

Indexed/abstracted in SCOPUS, Google Scholar, OCLC, SCImago, Summon by Serial Solutions

Instructions for Authors for *J Indian Acad Wood Sci* are available at <http://www.springer.com/13196>

Journal of the Indian Academy of Wood Science

Official Publication
of the Indian Academy of
Wood Science