

WOOD RESEARCH

Volume 54, Number 2, 2009

CONTENTS

1. OLEKSANDR SKYBA, FRANCIS W.M.R. SCHWARZE, PETER NIEMZ:
Physical and mechanical properties of Thermo-Hygro-Mechanically (THM) – densified wood 1
2. SÜLEYMAN KORKUT, BILGIN GULLER, AYHAN AYTIN, M. SAMİL KÖK:
Turkey's native wood species: Physical and mechanical characterization and surface roughness
of Rowan (*Sorbus aucuparia* L.) 19
3. JUSTO LISPERGUER, CYNTHIA DROGUETT, BEATRIZ RUF:
Viscoelastic properties of *Pinus radiata* acetylated wood 31
4. MIRKO KARIŽ, MATEJ JOŠT, MILAN SERNEK:
Curing of phenol-formaldehyde adhesive in boards of different thicknesses 41
5. PETER NIEMZ, ANDRÉAS J. BRUNNER, OLIVIER WALTER:
Investigation of the mechanism of failure behaviour of wood based materials using acoustic
emission analysis and image processing 49
6. OSMAN GOKTAS, ERTAN OZEN, M. EMIN DURU, RAMAZAN MAMMADOV:
Determination of the color stability of an environmentally-friendly wood stain derived
from oleander (*Nerium oleander* L.) leave extracts under UV exposure 63
7. MICHAL JABLONSKÝ:
Optimization of ozone bleaching conditions of oxygen delignified hardwood kraft pulp
with D-mannitol 73
8. AYHAN OZCIFCI, FATİH YAPICI, SUAT ALTUN, HILMI TOKER,
ERGUN BAYSAL, AHMET SENEL, HAKAN ŞİMŞEK:
Glossiness, color stability, and surface roughness of wood treated with some bleaching chemicals 83
9. ANTONIOS N. PAPADOPOULOS:
Physical - mechanical properties and durability against basidiomycetes of particleboards made
from cement and *Carpinus betulus* L. wood particles 95
10. BULENT KAYGIN, GOKHAN GUNDUZ, DENİZ AYDEMİR:
The effect of mass loss on mechanic properties of heat-treated paulownia wood 101
11. ŠTEFAN BARČÍK, EVA PIVOLUSKOVÁ, RICHARD KMINIAK, GRZEGORZ WIELOCH:
The influence of cutting speed and feed speed on surface quality at plane milling of poplar wood 109
12. GOKHAN GUNDUZ, DENİZ AYDEMİR, BULENT KAYGIN, ALPER AYTEKİN:
The effect of treatment time on dimensionally stability, moisture content and mechanical properties
of heat treated anatolian chestnut (*Castanea sativa* Mill.) wood 117