

## CONTENTS

FROM EDITORS .....	5
FEATURES IN THE MARKET OF ROUND WOOD, HARVESTED AND REALIZED BY STATE COMPANIES FOR THE PERIOD 2016–2018 .....	6
Lubcho Trichkov	
FOREST WOOD BIOMASS IN BULGARIA – POTENTIAL AND STRATEGIC DIRECTIONS FOR ITS UTILIZATION FOR PRODUCTION OF ENERGY .....	19
Lubcho Trichkov	
EVALUATION OF CONCESSION RIGHTS AS A BASIS FOR SUSTAINABLE MANAGEMENT SOLUTIONS .....	42
Kalina Kavaldzhieva	
FOREST FIRES – CONSEQUENCES AND RISK ASSESSMENT .....	48
Hristo Tsakov, Alexander Alexandrov, Alexander Delkov, Olimpia Roeva, Vassia Atanassova, Dafina Zoteva	
ECONOMIC BENEFITS FROM THE FAST GROWING WOOD .....	51
Panayot Panayotov, Kancho Kalmukov, Momchil Panayotov	
POSSIBILITIES FOR STAND STRUCTURE CONTROL IN UNEVEN-AGED STANDS IN EXPERIMENTAL WATERSHED STUDY SITE “PROF. ASEN BIOLCHEV” – YUNDOLA, BULGARIA .....	57
Neno Aleksandrov, Thomas Tonchev, Christian Kolev	
RELATIONSHIP BETWEEN THE STAND-QUALITY LEVEL AND HEIGHT STRUCTURE OF SCOTS-PINE, NORWAY-SPRUCE AND SILVER-FIR DENDROCOENOSES .....	66
Roumen Petrin	
TECHNICAL AND ECONOMIC PROPERTIES OF FORESTRY MILLING MACHINES FOR SOIL PREPARATION OF POPLAR PLANTATIONS ESTABLISHMENT .....	73
Konstantin Marinov	
TECHNOLOGICAL CAPABILITIES OF MILLING MACHINES FOR SOIL PREPARATION IN THE STATE FORESTRY DOBRICH REGION .....	82
Konstantin Kostov	
ANALYSIS OF THE KINEMATICS AND DYNAMIC PARAMETERS ON THE PADDLE DEWINGERS FOR SEED EXTRACTION .....	89
Konstantin Marinov	
PROBLEMS AT CUTTING OF THIN LOGS IN THE MANUFACTURE OF DEFECT-FREE PRODUCTS .....	94
Daniel Koynov	
COMPARATIVE STUDY OF MODULOS OF ELASTICITY IN BENDING OF THE PLATE OSB, LINED WITH NATURAL VENEER .....	99
Vasil Merdzhanov	
STUDY OF LIGHTWEIGHT BEAMS MADE FROM WOOD WITH DOUBLE T SECTION – I BEAMS .....	105
Todor Petkov, Vladimir Mihailov	

MECHANICAL METHODS FOR AGING OF WOOD .....	111
Aleksandar Doychinov	
CREATION AND RESEARCH OPPORTUNITIES TO PNEUMATIC – CYLINDER-PISTON- SYSTEM FOR QUALITY FINGER JOINT SPLICE WOOD .....	116
Todor Petkov	
CHANGE IN THE THERMAL CONDUCTIVITY OF FLAT OAK DETAILS DURING THEIR ONE SIDED HEATING BEFORE BENDING .....	122
Nencho Deliiski, Neno Trichkov, Zhivko Gochev, Dimitar Angelski	
COMPUTING THE SPECIFIC HEAT CAPACITY OF THE FROZEN FREE WATER IN POPLAR LOGS SUBJECTED TO DEFROSTING .....	126
Nencho Deliiski, Natalia Tumbarkova	
UPHOLSTERED FURNITURE – TECHNIQUE AND FORM .....	131
Yancho Genchev	
APPLICATION OF SELECTION MANAGEMENT IN UNEVEN-AGED STANDS ON TERRITORY OF RILA AND WESTERN RHODOPEs .....	135
Yordan Ivanov	
APPLICATIONS OF LiDAR TECHNOLOGY IN FORESTRY .....	141
Maria Asenova, Georgi Donchev	