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# P r e f a c e

Dear Colleagues,

I am pleased to introduce the first issue of the third volume of the International Scientific Journal “Wood, Design & Technology” published by the Ss. Cyril and Methodius University, Faculty of Design and Technologies of Furniture and Interior in Skopje, the Republic of Macedonia. The journal includes all new theoretical and experimental findings in the fields of wood technology, furniture and interior design or any closely related fields. Its mission is to provide an international forum for interdisciplinary scientific communication.

We are very satisfied with the interest that we achieved in the first two volumes; the number of articles we received for review was steadily growing. It is our great pleasure to bring a new journal into the field of wood researching. Despite this challenge, this journal aims to provide readers worldwide with high quality peer-reviewed articles on a wide variety of issues related to wood, design and technology.

After conducting blind reviews as required, 13 papers were selected to be published in this volume. Each of them falls within the journal’s scope and makes a significant contribution to international research.

The papers herein describe and provide experimental results from the various techniques used in wood technology, wood construction and furniture design, such as: toxicity reduction and shortening the process of gluing in plywood and particleboard; distribution of sawdust particles in air during sawing/cutting operations; modeling and optimization of force fracture of plywood; simulative investigations of the circular saw with compensating and low noise slots; interaction between the tool and the workpiece when processing with bandsaw; modeling of energy consumption for one sided heating of wood details in the production of music instruments, a mathematical model and an engineering approach to calculation of the specific mass energy consumption needed for melting frozen bound water in wood chips; quality and design of furniture, decoration on movable furniture; destructive bending moments of the end corner but joints and face splined joints of structural elements made of solid spruce wood.

I would like to thank our readers and authors for their continuing interest in the Journal “Wood, Design & Technology”, and each and every member of our Editorial and Review Boards for their hard work and dedication, which made it possible to bring out one more issue of this journal to the multidisciplinary international audience from wood sector.

Best regards,

Prof. Goran Zlateski  
Editor-in-Chief  
International Journal “Wood, Design & Technology”  
Ss. Cyril and Methodius University – Skopje, Macedonia  
Faculty of Design and Technologies of Furniture and Interior in Skopje

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