

CONTENT

Section – TEXTILE ENGINEERING

V. ARUMUGAM

Experimental Analysis of In-plane Shear Behavior of 3D Spacer Fabrics Using Picture Frame Fixture.....	8
--	---

V. S. BELE

Development of Self Reinforced Composites with Polypropylene Micro Powder.....	14
--	----

L. BLAŽKOVÁ

Centrifugal Spinning of Polycaprolactone.....	18
---	----

K. BORŮVKOVÁ

Crosslinking of Carboxymethyl Cellulose by Plasma Treatment.....	23
--	----

J. DISWAT

Thermal Comfort Properties of Hand Tufted Carpets.....	28
--	----

J. HORÁKOVÁ

Nanofibrous Vascular Graft Releasing Nitric Oxide.....	33
--	----

Z. HRUBOŠOVÁ

Textile Braille Labelling.....	37
--------------------------------	----

J. HUANG

Side Illumination of Plastic Optical Fibers Wrapped with Fabrics.....	42
---	----

H. JAMSHAD

Thermal Properties of Novel Woven Structures.....	46
---	----

B. M. KALE

Acetylation of Microcrystalline Cellulose.....	51
--	----

T. KALOUS

Electric Wind and Its Use for AC Electrospinning.....	55
---	----

E. KANIOVÁ

The Effect of Light Sources on the Human Body.....	60
--	----

M. KAŠPAROVÁ

CIECAM02 and Its Recent Developments in Point View High Chromatic Colors...	65
---	----

N. KHAN

Dichroism Measurement of Dyed Polyester Fibers.....	70
---	----

O. LOUDA

Weft Knitting Fabric Used for Electrostatic Shielding.....	76
--	----

A. E. MANGAT

The Effect of Thermal Conductivity and Thermal Absorption on 100 % Knitted Ribs by Changing the Rib Structure and Warp and Weft Insertion.....	80
--	----

A. MALTSEVA

The Use of Light Transmission When Simulating the Color Appearance of the Production Design.....	86
--	----

H. S. MAQSOOD

Ozonation: A Green Source for Oxidized Cotton.....	91
--	----

A. MAZARI

A Study on DLC – Coated Industrial Lockstitch Sewing Needle.....	96
--	----

M. NOVOTNÁ

The Testing of Carbon Wrapped Tubes.....	102
--	-----

J. PICOVÁ

Comparison of Chosen Methods of Thermal Conductivity and Thermal Resistance Measurement.....	107
--	-----

S. RWAWIIRE

Comparative Evaluation of Dynamic Mechanical Properties of Barkcloth Epoxy Laminar Composites.....	112
--	-----

J. SOUKUPOVÁ

Ultraviolet Radiation in Electrospinning Process.....	117
---	-----

J. ŠTEFL

Simple Method of Water Surface Spreading Kinetic on Hydrophobic Textiles.....	122
---	-----

L. TECHNIKOVÁ

An Effective Pills Segmentation on Patterned Fabrics.....	127
---	-----

M. VENKATARAMAN

Thermodynamic Analysis of Insulating Materials at Subzero Temperatures.....	131
---	-----

J. VOSÁHLO

Experimental and Numerical Study of Artificial Blood Vessel.....	137
--	-----

L. VYSLOUŽILOVÁ

Coaxial Electrospinning.....	142
------------------------------	-----

J. WANG

Dye Filtration Properties of Polyamide 6 Nanofibrous Membrane.....	147
--	-----

B. YALCINKAYA

Desalination of Water.....	152
----------------------------	-----

G. ZHU

Air Permeability and Thermal Resistance of Textile under Heat Convection.....	156
---	-----

Section – MECHANICAL ENGINEERING**J. BARÁK**

Introduction into Condensation of Moist Air inside Heat Exchangers.....	164
---	-----

P. BURIK

Effect of Sample Preparation on Mechanical Properties of Individual Phases in Steel by Depth Sensing Indentation.....	169
---	-----

J. DROBEČEK

Parametric Study of Deep Drawing Sheet with Rotational Symmetry.....	174
--	-----

I. DUFKOVÁ

Geopolymers.....	179
------------------	-----

M. GARAN

Improvement of the Method for Measuring of High-Voltage Resistors' Discharges	183
---	-----

M. KAŠPÁREK	
Electroacoustic Transducers – Development and Application.....	188
I. KOVALENKO	
System for Motion Control of Angular Robot.....	194
J. KRACÍK	
Design of Experimental Supersonic Wind Tunnel.....	198
R. LICEK	
The Effect of Process Liquids on Tool Life During Milling.....	203
E. MACAJOVÁ	
Study Surface Morphology of Electrospinning Nanofibers according to the Change of Electrospinning Conditions.....	208
O. MATÚŠEK	
MEMS Die Holder Sevoing Using Model-Based Visual Tracking.....	213
L. MIKULANIN	
Thermal Stress of Spark Plug in the Si Engine.....	219
J. NOVOSÁD	
Design Tool for Heat Transfer Surface of Counterflow Heat Exchangers.....	224
A. SHYNKARENKO	
Backup System for Sport Timing Using Photographic Records.....	229
L. STANISLAV	
Drawing of Nanofibrous Scaffolds for Tissue Engineering.....	233
M. VAVROŠEK	
Linearization of Pneumatic Rotational Engine Control System.....	238