



WORKSHOP FOR PH.D. STUDENTS OF FT TUL
12TH NOVEMBER 2019
LIBEREC BUILDING B, ROOM B5

INTERNATIONAL PH.D. STUDENTS DAY
PROGRAM

08:00 - 08:55 **REGISTRATION**

CHAIRMAN: GABRIELA KRUPINCOVÁ

09:00 - 09:10 **OPENING CEREMONY (GUARANTORS OF PH.D. STUDY PROGRAMS)**

09:10 - 09:35 **MARTA ZIZENOVÁ**

HOW TO BE ORIENTED IN QUALITY AND NO QUALITY RESOURCES

09:35 - 10:00 **PETR LEPŠÍK**

PATENTS ANALYSIS USING SW PATENT INSPIRATION

10:00 - 10:25 **OLDŘICH JIRSÁK, PETR HENYŠ**

COMPUTER MODELS OF MECHANICAL PROPERTIES OF TEXTILES

10:25 - 10:40 **COFFEE BREAK**

CHAIRMAN: MAROŠ TUNÁK

10:40 - 11:00 **ERBEN JAKUB**

NOVEL NANOFIBROUS SORBENTS FOR THE EXTRACTION AND DETERMINATION OF RESVERATROL IN WINE

11:00 - 11:20 **KLÁPŠŤOVÁ ANDREA**

PVDF AS A BIOCOMPATIBLE MATERIAL RESISTANT TO CELL GROWTH - MORPHOLOGY CHANGE AND IN VITRO TESTING EVALUATION

11:20 - 11:30 **ABOALASAAD ABDELHAMID RAJAB RAMADAN**

EFFECT OF TWIST LEVEL OF WARP YARNS ON WOVEN BANDAGE PROPERTIES

11:30 - 11:40 **DANILOVÁ IVETA**

DEVELOPMENT OF NANOFIBER CARRIERS FOR BIOMEDICAL APPLICATIONS

11:40 - 11:50 **KALOUS TOMÁŠ**

SPINNABILITY OF ENHANCED PA 6 SOLUTIONS USING ALTERNATING CURRENT POWER SOURCE

11:50 - 12:00 **NOVOTNÁ JANA:** *EMI SHIELDING ANALYSIS OF COMPOSITE MATERIALS WITH PLASMA TREATMENT RECYCLED CARBON FIBERS*

12:00 - 12:30 **COFFEE BREAK + POSTER DISCUSSIONS**

CHAIRMAN: JAKUB WIENER

12:30 - 12:40 **ALI AZAM**

METALLIZED TEXTILE WITH COPPER AND SILVER PARTICLES

12:40 - 12:50 **AZEEM MUSADDAQ**

OPTIMAL DESIGN OF A MULTILAYER HARP FOR FOG COLLECTION

12:50 - 13:00 **FAHEEM MUHAMMAD SAJID**

INVESTIGATION OF FLAMMABILITY AND CHAR FORMATION MECHANISM OF COTTON FABRIC TREATED WITH NOVEL BIOPOLYME BASED SYSTEM



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- 13:00 - 13:10** **FUNG FREDERICK TUNGSHING**
METHOD OF SHIRT MAKING FOR SWEATING THERMAL MANIKIN FOR RESEARCH EXPERIMENT PURPOSES
- 13:10 - 13:20** **HERCÍKOVÁ EVA**
COMPARISON OF METHODS FOR EVALUATION OF THERMAL INSULATION PROPERTIES OF GARMENTS
- 13:20 - 13:30** **HLAVATÁ JANA**
CENTRIFUGAL SPINNING OF POLY(E-CAPROLACTONE)
- 13:30 - 13:40** **HUSSAIN SAJID**
IMPACT OF MATERIAL COMPOSITION ON THERMAL RESISTANCE OF FUNCTIONAL UNDERWEARS
- 13:40 - 13:50** **KHAN MUHAMMAD ZAMAN**
SELF-CLEANING POLYESTER FABRICS DECORATED WITH FLOWER LIKE TiO₂ PARTICLES
- 13:50 - 14:00** **KOVAČIČIN JAN**
PARTIALLY SUBMERGED CYLINDRICAL BODY - THEORETICAL AND EXPERIMENTAL MODEL FOR WET ELECTROSPINNING PRINCIPLE
- 14:00 - 14:15** **COFFEE BREAK + POSTER DISCUSSIONS**
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- CHAIRMAN: JIŘÍ MILITKÝ**
- 14:15 - 14:25** **MAHMOOD AAMIR**
INVESTIGATION OF TENSILE STRENGTH AND MODULUS OF CHEMICALLY TREATED JUTE AND BASALT FIBERS
- 14:25 - 14:35** **MANSOOR TARIQ**
A NOVEL METHOD FOR PREDICTING THERMAL RESISTANCE OF KNITTED FABRICS IN WET STATE
- 14:35 - 14:45** **MARTINKA MICHAL**
INFORMATION LABELS FOR SMART CLOTHES
- 14:45 - 14:55** **NAEEM JAWAD**
INFLUENCE OF METALLIC COATING ON THERMAL PROTECTIVE PERFORMANCE OF FIREFIGHTER PROTECTIVE CLOTHING
- 14:55 - 15:05** **SAMKOVÁ ALŽBETA**
INFLUENCE OF ALCALINE MEDIUM ON FIBRES MATERIAL
- 15:05 - 15:15** **SIDDIQUE HAFIZ FAISAL**
MATHEMATICAL APPROACH FOR THE PREDICTION OF COMPRESSION PRESSURE
- 15:15 - 15:45** **COFFEE BREAK + POSTER DISCUSSIONS**
- 15:45 - 16:00** **CLOSING CEREMONY AND ANNOUNCEMENT OF BEST CONTRIBUTIONS**