

LIST OF CONTENT

ADMISSION	4
1. Anton PANDA , Volodymyr NAHORNYI , Iveta PANDOVÁ , Tadeusz ZABOROWSKI TREND SHORT-TERM VIBRATION FORECASTING	5
2. Michal HATALA , Matúš GEĽATKO , Anton PANDA DESIGN OF SAMPLE WITH ARTIFICIAL DEFECTS FOR NON-DESTRUCTIVE TESTING OF ADDITIVELY MANUFACTURED PRODUCTS	12
3. Iveta PANDOVÁ , Anton PANDA , Tadeusz ZABOROWSKI TREATMENT OF PLASTICS AND WEARED TIRES BY THERMAL PROCESSES	18
4. Luboslav STRAKA , Anton PANDA , Patrik KUCHTA ASPECTS ASSOCIATED WITH WIRE TOOL ELECTRODE WEAR DURING WEDM	24
5. Luboslav STRAKA , Anton PANDA SYSTEM FOR MONITORING SELECTED OPERATING STATES OF TECHNICAL EQUIPMENT	33
6. Anton PANDA , Volodymyr NAHORNYI METHODOLOGY OF SOLUTION OF FORECASTING AND DIAGNOSTIC OF TECHNICAL CONDITION OF ROLLER BEARING EQUIPMENT	40
7. Anton PANDA , Iveta PANDOVÁ , Tadeusz ZABOROWSKI ZEOLITES AND CRYSTALLIC NANOCOMPOSITES	46
8. Anton PANDA , Lukáš ANDROVIČ METAL ALUMINIUM PRODUCTION	53
9. Anton PANDA , Konstantin DYADYURA , Liudmyla HREBENYK , Tatyana IVAKHNIUK , Iveta PANDOVÁ , Tadeusz ZABOROWSKI CORRELATION OF THE SURFACE TOPOGRAPHY AND BIOLOGICAL PROPERTIES OF NANOMATERIALS	59
10. Anton PANDA , Konstantin DYADYURA , Liudmyla HREBENYK , Iveta PANDOVÁ , Tadeusz ZABOROWSKI THE METHOD RATING SCALE FOR MEASURING THE CAPABILITIES OF ASSESSING THE TOXICITY OF NANOOBJECTS	68
11. Anton PANDA , Samuel CEHELSKÝ , Tadeusz ZABOROWSKI VIBRODIAGNOSTICS AS A GENERAL INDICATOR OF HONNING ERRORS IN MASS PRODUCTION	77
12. Anton PANDA , Samuel CEHELSKÝ , Tadeusz ZABOROWSKI PROOF OF CHANGING PROPERTIES OF GEAR WHEN GRINDING – BURNS	83
13. Jozef MAŠČENIK , Anton PANDA , Tadeusz ZABOROWSKI LABORATORY TESTING AND MONITORING OF BELT TRANSMISSIONS BY CONTROLLED LOAD	89