



Conference Schedule

HUMANITIES SCIENCES SESSION

	09:50 – 10:00	On-line Presentations Opening of the Conference and discussing technical matters
1	10:00 – 10:10	Polycap Mudoh (University of Szczecin)
		EUROPEAN UNION AS A MODEL FOR INTEGRATIONAL ARRANGEMENTS IN AFRICA
		CENTRAL AFRICAN ECONOMIC AND MONETARY COMMUNITY AS A CASE STUDY (ENG)
2	10:10 - 10:20	Monika Papiewska (Radom Academy of Economics)
		A CLIMATE FOR CREATIVITY AT THE WORK
3	10:20 - 10:30	Tomasz Papiewski (Radom Academy of Economics)
		THE IMPACT OF STRESSORS AND SUPPORT IN THE WORKPLACE
		ON THE OCCURRENCE OF THE OCCUPATIONAL BURNOUT SYNDROME
4	10:30 - 10:40	Kacper Plantowski (University of Lodz, Branch in Tomaszów Mazowiecki)
		THE ANALYSIS OF SOCIAL ATTITUDES TOWARDS MULTIFUNCTIONAL
		AND SUSTAINABLE FOREST MANAGEMENT
5	10:40 - 10:50	Jacek Rutkowski (University of Warsaw)
		THIERRY OF CHARTRES AND BOOK OF NATURE
6	10:50 – 11:00	Gabriela Zadrąg (University of Lodz, Branch in Tomaszów Mazowiecki) HUNTING – A BLOODY HOBBY OR A WAY TO BALANCE THE ECOSYSTEM? A SOCIOLOGICAL PERSPECTIVE

Presentations

- Joanna Adamczyk (Pontifical University of John Paul II in Kraków)
 MUSEUM OF STANISŁAW WYSPIAŃSKI IN KRAKÓW THE PAST, PRESENT AND FUTURE (ENG)
- Oliwia Augustyniak (University of Lodz) LAW IN THE AGE OF MODERN TECHNOLOGIES
- 3 **Daria Borzyszkowska** (University of Warmia and Mazury in Olsztyn) PRECISE GOAL AS THE KEY TO SUCCESS
- 4 Agata Czemerys (Fryderyk Chopin University of Music; University of Warsaw)
 DECONSTRUCTING DONNA ANNA. WHAT QUEER STUDIES TELL US ABOUT THE OPERA?
- Joanna Gawęda (University of Nicolaus Copernicus in Toruń)
 PROPAGANDA ASPECTS OF THE SUPERHERO CHARACTER ON THE EXAMPLE OF CAPTAIN AMERICA
- 6 **Dominika Janik-Lis** (The John Paul II Catholic University of Lublin)
 COGNITIVE ENHANCEMENT AND ITS ROLE IN COMPETENCE BUILDING COACHING
- 7 **Ewa Majewska** (Maria Curie-Skłodowska University of Lublin) PLACE OF E-LEARNING IN MODERN TEACHING METHODS (ENG)
- 8 **Michał Mrozek** (University of Szczecin)
 SOLD PRODUCTION OF INDUSTRY AND CONSTRUCTION IN THE VOIVODESHIPS OF THE EASTERN
 MACROREGION OF POLAND IN 2016-2018- THE SELECTED PROBLEMS (ENG)
- 9 **Przemysław Pazder** (*Pomeranian University in Słupsk*)
 UNITED STATES OF AMERICA AND THE EUROPEAN UNION MARSHALL PLAN, EUROPEAN UNION POLICY AND US POLICY, PROBLEMS IN EU-WASHINGTON RELATIONS (*ENG*)
- 10 **Przemysław Pazder** (Pomeranian University in Słupsk) OPERATION POLAND IN UKRAINE (ENG)
- 11 Kacper Pelczarski
 - THE OLDEST MUSICAL INSTRUMENTS
- Marcin Rozmarynowski (University of Gdansk)
 KNOWLEDGE OR WISDOM AS THE KEY TO SUCCESS? SCHOOL SOCIAL ENGINEERING
 AND THE INDOCTRINATION OF POLISH TEACHERS DURING THE STALINIST ERA (1948-1956)
 IN THE LIGHT OF TEACHERS' MEMORIES





13 **Daniel Tabiś** (University of Applied Sciences in Tarnow)
THE DIPLOMATIC PROTOCOL IN THE REPUBLIC OF POLAND

14 **Jakub Wołyniec** (Maria Curie-Skłodowska University of Lublin)
BRITISH THINK TANKS AND THE UNITED KINGDOM'S SOFT POWER (ENG)

Posters

- 1 Angelika Lenart (The John Paul II Catholic University of Lublin)
 POST-TRAUMATIC STRESS DISORDER IN CHILDREN
- 2 **Agata Niezabitowska** (University of Wroclaw)
 POLISH ADAPTATION AND VALIDATION OF THE MODIFIED REASONS FOR SMOKING SCALE
- 3 Marta Rokosz (University of Wroclaw)
 A POLISH ADAPTATION AND VALIDATION OF THE DISTRESS TOLERANCE SCALE
- 4 Anna Zarzycka (The John Paul II Catholic University of Lublin)
 PROBATION IN THE PROCESS OF CONVICTS RESOCIALIZATIO
- 5 **Bartłomiej Pawlak** (University of Lodz) STOCK MARKET PREDICTION USING MACHINE LEARNING (ENG)

MEDICAL SCIENCES SESSION

On-line Presentations

		On-line Presentations
1	11:10 – 11:20	Gabriela Blat, Natalia Lis (State Higher School of Technology and Economics in Jarosław) THE IMPACT OF STRESS ON NURSING STUDENTS AND WAYS OF DEALING WITH IT
2	11:20 – 11:30	Damian Dyńka (Siedlce University of Natural Sciences and Humanities)
_		TURMERIC AS AN ESSENTIAL ELEMENT OF HUMAN NUTRITION
3	11:30 – 11:40	Alicja Groszek (Medical University of Lublin)
		MIGRAINE AS ONE OF THE MAIN CAUSES OF DISABILITY AMONG YOUNG PEOPLE
4	11:40 – 11:50	Edyta Janik (University of Lodz)
		IMPACT OF MYCOTOXINS IN FOOD ON HUMAN HEALTH (ENG)
5	11:50 - 12:00	Katarzyna Kowalcze (Siedlce University of Natural Sciences and Humanities)
		PHYTOTHERAPY IN METABOLIC DISEASES
6	12:00 - 12:10	Natalia Krzyżanowska (Medical University of Lublin)
		PATHOGENICITY OF BAYLISASCARIS PROCYONIS IN THE CONTEXT OF RACCOON
		INTRODUCTION IN POLAND
7	12:10 - 12:20	Filip Lebiedziński (Medical University of Gdańsk)
•		EMOTIONS RELATED TO HEMATOPOETIC STEM CELL DONATION –
		A RETROSPECTIVE SURVEY STUDY ON ACTUAL DONORS (ENG)
	12:20 – 12:30	Coffee Break
8	12:30 – 12:40	Izabela Malitka (Siedlce University of Natural Sciences and Humanities)
0	12.30 - 12.40	INFLUENCE OF THE TYPE OF MEAT AND FAT QUALITY ON THE DEVELOPMENT
0	40.40 40.50	OF CARDIOVASCULAR DISEASES
9	12:40 – 12:50	Anna Muzyczka, Patrycja Mściwujewska (State Higher School of Technology and
		Economics Fr. Bronisław Malinowski in Jarosław)
		DEMOGRAPHIC CHANGES AS A CHALLENGE FOR THE HEALTH CARE SYSTEM
10	12:50 – 13:00	Kacper Niewęgłowski (Medical University of Lublin)
		THE IMPACT OF BEE POLLEN SUPPLEMENTATION ON THE ENDOTHELIAL NITRIC
		OXIDE SYNTHASE (NOS3) RECEPTOR'S EXPRESSION IN THE LIVER IN WISTAR RATS
11	13:00 – 13:10	Barbara Pelc, Aneta Makówka (State Higher School of Technology and Economics
		Fr. Bronisław Malinowski in Jarosław)
		EXAMINING THE LEVEL OF KNOWLEDGE ON DEPRESSION AMONG STUDENTS
		OF MEDICAL COURSES
12	13:10 – 13:20	Bartosz Sobocki (International Research Agenda 3P: Medicine Laboratory)
		MACROPHAGES IN CARCINOGENESIS
13	13:20 - 13:30	Lucyna Sochocka (University of Medical Sciences in Legnica)
		KNÓWLEDGE AND ATTITUDES OF PARENTS TOWARDS ÁSPECTS RELATED
		TO PREVENTIVE VACCINATIONS OF CHILDREN AND ADOLESCENTS UNDER THE AGE
		OF 18





14 13:30 – 13:40 **Monika Sztandera-Tymoczek** (Maria Curie-Skłodowska University of Lublin) PHYTOPATHOGENIC FUNGI AS A POTENTIAL HUMAN HEALTH THREAT

Presentations

- 1 **Tymon Bykowski** (Ludwik Rydygier Collegium Medicum in Bydgoszcz)
 THE ROLE OF PHOSPHO-TAU217 PROTEIN IN DIAGNOSIS OF ALZHEIMER'S DISEASE
- 2 **Filip Dunajewski** (Poznan University of Life Sciences) FEVERFEW (TANACETUM PARTHENIUM) IN MIGRAINE PREVENTION (ENG)
- Piotr Dzikowski (Medical University of Lublin)
 THE EFFICIENCY OF PATELLOFEMORAL PAIN SYNDROME TREATMENT WITH SYNVISC IN PEDIATRIC
 PATIENTS LITERATURE REVIEW
- 4 **Justyna Jandernal** (Regional Specialist Hospital Dr. Władysław Biegański in Grudziądz)
 TREATMENT OF HER2+ BREAST CANCER THE CURRENT STATE OF KNOWLEDGE
- 5 **Dorian Jarek** (Ludwik Rydygier Collegium Medicum in Bydgoszcz)
 ROLE OF MITOCHONDRIAL DYSFUNCTIONS IN DEVELOPMENT AND COURSE OF PARKINSON'S DISEASE
- 6 **Karolina Karaś** (University of Rzeszów)
 TAKING UP ACTIVE TOURISM AMONG STUDENTS OF RZESZÓW UNIVERSITIES
- 7 Natalia Kazimierczak (Kaliska Academy named after President Stanisław Wojciechowski) COMPLICATIONS OF ONCOLOGICAL TREATMENT IN ORTHODONTIC PRACTICE
- 8 Anna Kolano (Medical University of Lublin)
 ECTOPIC PREGNANCY OF THE RIGHT FALLOPIAN TUBE- CASE STUDY (ENG)
- Joanna Eugenia Kruszka (Ludwik Rydygier Collegium Medicum in Bydgoszcz)
 VASOVAGAL SYNCOPE SYMPTOMS, MECHANISM, DIAGNOSIS
- 10 Szymon Kufel (Regional Specialist Hospital Dr. Władysław Biegański in Grudziądz)
 SEXUAL SATISFACTION AND LIFE SATISFACTION IN PEOPLE TREATED WITH ONCOLOGY
- 11 **Marianna Lis** (Ludwik Rydygier Collegium Medicum in Bydgoszcz) PSILOCYBIN THE IMPACT ON ADDICTION TO SMOKING
- 12 **Jan Milanowski** (Ludwik Rydygier Collegium Medicum in Bydgoszcz)
 PRO-INFLAMMATORY CYTOKINES IN THE PATHOGENESIS OF ALZHEIMER'S DISEASE
- 13 **Paweł Myśliborski-Wołowski** (Regional Specialist Hospital in Grudziądz) SIDE EFFECTS OF SELECTED CYTOTOXIC DRUGS
- 14 **Kacper Michał Naumowicz** (VI High School King Sigismund Augustus in Bialystok) QUERCETIN AN ALLY IN THE FIGHT AGAINST CORONAVIRUS?
- 15 **Magda Orzołek** (Ludwik Rydygier Collegium Medicum in Bydgoszcz)
 METABOLIC SYNDROME CAN KNOWLEDGE PROTECT US FROM IT?
- Jacek Polechonski (Jerzy Kukuczka Academy of Physical Education)
 PHYSICAL EFFORT WHILE WALKING ON A MULTI-DIRECTIONAL TREADMILL DESIGNED TO MOVE
 IN VIRTUAL REALITY IN RELATION TO WALKING IN THE FIELD (ENG)
- 17 Janina Rzeszot
 THROUGH THE EYES OF A PHYSIOTHERAPIST ON AN ONCOLOGICAL PATIENT
- 18 Janina Rzeszot
- CLINICAL PHYSIOTHERAPY ITS ROLE IN IMPROVING THE PATIENT, IN RETURNING TO EVERY LIFE

 19 Ilona Samek (Medical University of Lublin)

 IS IT REALLY A STONE? LIMITED DIAGNOSTIC VALUE OF AN ABDOMINAL X-RAY IN THE DIAGNOSIS

 OF PATIENTS WITH RENAL COLIC
- OF PATIENTS WITH RENAL COLIC

 10 Ilona Samek (Medical University of Lublin)
 HOW HAS THE ASSESSMENT OF PHYSICIANS' COMPETENCES AND THE FUNCTIONING OF VISITS
- CHANGED DURING THE COVID-19 PANDEMIC?

 21 Zuzanna Siwka (Ludwik Rydygier Collegium Medicum in Bydgoszcz)

 SIDE EFFECTS OF STATINS USED TO TRAT CHOLESTEROL DISORDERS
- 22 Lucyna Sochocka (University of Medical Sciences in Legnica)
 ANALYSIS OF THE LEVEL OF KNOWLEDGE AND ATTITUDES OF THE NURSING STAFF WORKING
 IN AN INTENSIVE CARE UNIT TOWARDS MEDICAL FUTILITY
- 23 **Wiesław Zielonka** (University of Medical Sciences in Legnica)
 REMOTE TRANSMISSION AS EXEMPLIFIED BY THE EMERGENCY MEDICAL SERVICES IN LEGNICA





Posters

- 1 Kamil Janawa (Medical University in Szczecin)
 THE EFFECT OF MORPHINE DEPENDENCE ON THE EXPRESSION OF COX-1 AND COX-2 IN CHOSEN
 STRUCTURES OF RAT BRAINS EXPOSED TO LOW FLUORIDE CONCENTRATIONS
- 2 **Magdalena Kowalska** (Ludwik Rydygier Collegium Medicum in Bydgoszcz)
 CALCULATING CHEMISTRY METHODS AS A SOURCE OF DATA ON TOXICITY OF POTENTIAL DRUGS
- Małgorzata Król (Pomeranian Medical University in Szczecin)
 STRETCHING AS AN ANTI-INFLAMMATORY FACTOR. THE EXPRESSION OF INFLAMMATORY MARKERS
 IN TISSUES SUBJECTED TO STRETCHING A REVIEW (ENG)
- 4 Anna Ornatowska (Lodz University of Technology)
 INNOVATIVE HYDROGEL THE FUTURE OF ORTHOPEDICS AND TRANSPLANTOLOGY
- 5 **Karolina Żurawska** (Pomeranian Medical University in Szczecin)
 PRE-EXPOSURE TO FLUORIDE AND THE MRNA EXPRESSION OF GFAP IN THE BRAINS OF MORPHINE
 DEPENDENT RATS

NATURAL AND TECHNICAL SCIENCES SESSION

On-line Presentations 14:00 - 14:10Wioleta Banaszuk (Maria-Curie Skłodowska University of Lublin) 1 HYPEROSMOTIC STRESS RESPONSE: THE ROLE OF NEUTRAL AMINO ACID TRANSPORTER SNAT2 2 14:10 - 14:20 Konrad Brzyski (Silesian University of Technology) IMPROVEMENT OF THE MECHANICAL PROPERTIES OF PRESS-HARDENED 22MNB5 STEEL IN INDUSTRIAL CONDITIONS 3 14:20 - 14:30Cassandra Ceccopieri (Wrocław University of Environmental and Life Sciences) HEMATOXYLIN, EOSIN AND NATURAL SAFFRON (HES): A NEW HISTOLOGICAL STAINING METHOD (ENG) Wojciech Gogacz (University of Gdansk) 14:30 - 14:404 SYNTHETIC ANTIMICROBIAL PEPTIDOMIMETICS BASED ON BINDING SITE OF CYSTATIN C - OPTIMIZATION OF SCALE-UP SYNTHESIS Justyna Kurcek (Rzeszow University of Technology) 5 14:40 - 14:50CHEMICAL PHOSPHORUS REMOVAL FROM WASTEWATER WITH USING PRE-HYDROLYZED COAGULANTS Anna Litwin (University of Lodz) 6 14:50 - 15:00COMPARISON OF PESTICIDES EFFECT ON THREE ENTOMOPATHOGENIC FUNGAL STRAINS OF THE GENUS ISARIA (ENG) 7 15:00 - 15:10Anna Litwin (University of Lodz) THE INFLUENCE OF HEAVY METALS ON ENTOMOPATHOGENIC FUNGI (ENG) 15:10 - 15:20 Coffee Break 15:20 - 15:30Amanda Leda (Poznań University of Technology) 8 OPTIMIZATION OF WORKING CONDITIONS OF THE SECOND GENERATION BIOSENSOR DUE TO THE SELECTION OF AN APPROPRIATE MEDIATOR Paulina Machała (University of Lodz) 9 15:30 - 15:40ROLE OF GREEN COFFEE BEAN EXTRACT IN SKIN FIBROBLASTS RESPONSE TO UVA **RADIATION Krzysztof Matuszek** (Lodz University of Technology) 10 15:40 - 15:50A BRIEF HISTORY OF DEVELOPMENT OF BULK HETEROJUNCTION ORGANIC SOLAR CELLS (BHJ-OSCS) (ENG) 11 15:50 - 16:00Jakub Michańków (Cracow University of Economics) MODELLING UNIVARIATE TIME SERIES WITH ONÉ-DIMENSIONAL CONVOLUTIONAL **NETWORKS** 16:00 - 16:10 Oskar Ronda (Gdańsk University of Technology) 12

ACCUMULATION OF RADIOISOTOPES IN SOME SPECIES OF POLISH MUSHROOMS





13	16:10 – 16:20	Joanna Skonieczna-Kurpiel (Wrocław University of Environmental and Life Sciences) THE STENT IMPLANTATION INTO THE LUMEN OF URETHRA AT NEW ZEALAND WHITE RABBIT
14	16:20 – 16:30	Anna Szymczyk (Warsaw University of Technology) MODIFICATIONS OF MAGNETIC NANOPARTICLES SUITABLE FOR NUCLEIC ACIDS EXTRACTION (ENG)
	16:30	End of the Conference

Presentations

- 1 Paweł Błaszczyk (Lodz University of Technology)
 MODERN INDUSTRIAL ROBOTS
- 2 **Alicja Bosacka** (*Maria Curie-Skłodowska University of Lublin*) KINETIC STUDIES OF HYBRID POLYMER MATERIALS (*ENG*)
- Gabriela Ciuńczyk (VI High School King Sigismund Augustus in Bialystok)
 THE EFFECT OF THE ELLAGIC ACID UPON THE ELECTROKINETIC POTENTIAL
 OF THE PHOSPHATIDYLCHOLINE MEMBRANES
- 4 Kamil Dędek (Lodz University of Technology)
 INFLUENCE OF THE MICROENCAPSULATION METHOD POTATO STARCH FERULATES ON THEIR
 PHYSICOCHEMICAL PROPERTIES
- 5 Aleksandra Drewnowska (Bialystok University of Technology)
 TECHNICAL CONDITION OF A RESIDENTIAL BUILDING AND ITS ENERGY EFFICIENCY
- 6 **Milena Kaczmarska** (Lodz University of Technology)
 ANTIOXIDANT POTENTIAL OF INCLUSION COMPLEXES OF SELECTED POLYPHENOLS
 WITH 2-HYDROXYPROPYL-B-CYCLODEXTRIN
- 7 Natalia Kielich (Adam Mickiewicz University in Poznan)
 POTENTIAL APPLICATION OF CHLOROPLAST UBIQUITIN LIGASES E3 IN ABIOTIC STRESS TOLERANT
 PLANT BREEDING
- 8 Paulina Leśniak (University of Life Sciences in Lublin)
 ICHTHYOFTIRIOSIS IN FISH SYMPTOMS, DIAGNOSIS AND TREATMENT (ENG)
- 9 **Paulina Leśniak** (University of Life Sciences in Lublin)
 CANNABIS SATIVA PROPERTIES AND APPLICATION (ENG)
- Julia Mironenka (University of Lodz)
 CHANGES IN TRICHODERMA HARZIANUM CELL MEMBRANE AS RESPONSE TO TOXICITY
 OF THE HERBICIDE 2,4-D (ENG)
- 11 Jakub Osypiuk (University of Warmia and Mazury)
 ASSESSMENT AND COMPARISON OF VARIOUS ASPECTS OF CAT NUTRITION IN POLAND
- Joanna Pypeć (University of Life Sciences in Lublin) COMPOSITION OF THE RHOPALOCERA BUTTERFLY FAUNA OF THE URSYNOWSKA SLOPE AND THE CHARACTER OF SPECIES CHANGES OVER THE YEARS
- 13 Daniel Radzikowski (Warsaw University of Life Sciences)
 POSSIBILITIES OF USING NANOPARTICLES TO TREAT MASTITIS IN DAIRY COWS (ENG)
- 14 **Daniel Radzikowski** (Warsaw University of Life Sciences)
 THE EFFECT OF VITAMINS AND MINERALS ON THE HEALTH OF DAIRY COWS (ENG)
- Julia Sadowska (University of Life Science in Lublin)

 MADE-TO-MEASURE POLLINATOR HOW TO CHOOSE THE PERFECT INSECT FOR YOUR ENVIRONMENT (ENG)
- Julia Sadowska (University of Life Science in Lublin)
 INSECT FOR SPECIAL TASKS THE INCREDIBLE BIOLOGY OF BUMBLEBEES (ENG)
- 17 **Paweł Solarczyk** (Warsaw University of Life Sciences)
 THE LEVEL OF THE HEALTH-PROMOTING QUALITY OF SEMIMEMBRANOSUS MUSCLE IN PUREBRED AND CROSSBRED BULLS (ENG)
- 18 **Paweł Solarczyk** (Warsaw University of Life Sciences) BEEF CATTLE BREEDING IN POLAND (ENG)





Julia Wojnicka (Maria Curie-Skłodowska University of Lublin)
INFLUENCE OF ENVIRONMENTAL FACTORS ON EXOPOLYSACCHARIDE SYNTHESIS IN RHIZOBIUM
LEGUMINOSARUM BV. TRIFOLII (ENG)

Posters

- 1 Agata Baran (Military University of Technology)
 MAGNESIUM BASED HYDRIDES FOR HYDROGEN STORAGE (ENG)
- 2 Anna Fenyk (University of Lodz)
 CURRENT PROGRESS IN RESEARCH ON MODERN FUNCTIONAL MATERIALS –
 MAGNETORHEOLOGICAL FLUIDS AND ELASTOMERS
- Magdalena Głąb (Cracow University of Technology)
 MODIFIED PROTEIN HYDROGELS DESIGNED FOR BIOMEDICAL APPLICATIONS (ENG)
- 4 Paweł Janusiak (Poznan University of Technology)
 PARACHUTE GEOMETRY OPTIMIZATION METHOD WITH REGARD TO STRESS DISTRIBUTION
 IN THE CANOPY MATERIAL
- 5 **Jakub Józiewicz** (Lodz University of Technology)
 APPLICATIONS OF NANOTECHNOLOGY IN COMPUTER COOLING
- Wiktoria Kozłowska (Poznan University of Technology)
 TECHNOLOGY OF OBTAINING HYBRID ROCKET FUELS BASED ON PARAFFIN AND POLYETHYLENE USING A THERMOSTATIC CHAMBER
- 7 **Tomasz Krakowski** (Poznan University of Technology)
 TELEMETRY SYSTEM FOR SOUNDING ROCKET DATA PACKAGE FORMULATION AND USAGE
 OF GSM FOR ENHANCE SYSTEM PERFORMANCE
- 8 **Beata Madras-Majewska** (Warsaw University of Life Sciences) EX-SITU PROTECTION IN ZOOS
- 9 **Karolina Pietrucha** (Lodz University of Technology) HOW TO LEAD A POLYMER FOR A WALK?
- Dagmara Słota (Cracow University of Technology)
 ANTIBIOTIC MODIFIED HYDROXYAPATITE FOR REGENERATIVE MEDICINE AND IMPLANTOLOGY (ENG)
- 11 Wiktor Tasarek (Science Club of Aviation and Cosmic Technology PUT Rocket Lab)
 TRACKING SYSTEM FOR RESEARCH ROCKETS USING MODULATION TECHNIQUE WITH CHIRP
 SPREAD SPECTRUM LORA