



## 6<sup>th</sup> INTERNATIONAL YOUTH SCIENCE FORUM “LITTERIS ET ARTIBUS”

November 24–26, 2016 / Lviv, Ukraine

### OFFICIAL PROGRAM

THURSDAY, NOVEMBER 24, 2016

09:00

**Registration of participants starts**

*Lviv House of Scientists, 6 Lystopadovoho Chynu St.*

10:00–12:30

**Ceremonial opening and plenary session**

*Lviv House of Scientists, 6 Lystopadovoho Chynu St.*

**Plenary session presentations:**

- Artur Badyda, Ph.D., D.Sc., Warsaw University of Technology. *Problems of air quality and influence of air pollutants on human health – selected examples from Poland.*
- Olha Brovarets, Ph.D., D.Sc., Taras Shevchenko National University of Kyiv. *Molecular Principles of the Spontaneous Mutagenesis in DNA.*
- Halyna Klym, Ph.D., D.Sc., Lviv Polytechnic National University. *Combined Thick-film Sensor Structures Based on Modified Nanoceramics for Sensor Electronics.*
- Julija Baniukevic, Vice President of Eurodoc. *Presentation of European Council of Doctoral Candidates and Junior Researchers.*
- Oleksandr Berezko, Ph.D., Head of Young Scientists Council of Lviv Polytechnic National University. *Research Teams of Lviv Polytechnic: Ready to Cooperate!*

12:30–14:00

**Lunch break**

14:00–17:30



**Forum poster and oral sessions of CSE, GAC, EPCS, HSS, MEMST, EM, CCT, LPS and EcoTour conferences.** Please find detailed programs below in their specific sections.

*Lviv House of Scientists, 6 Lystopadovoho Chynu St.*

17:30

**Lviv city tour starts**

*In front of Lviv House of Scientists, 6 Lystopadovoho Chynu St.*

**FRIDAY, NOVEMBER 25, 2016**

- 10:30–13:00**      **Round tables, university and faculty tours**  
*Lviv Polytechnic National University main building,  
 12 Bandera St.*
- 13:00–14:00**      **Lunch break**
- 14:00**              **Lviv city tour starts**  
*In front of Lviv Polytechnic National University main building, 12 Bandera St.*
- 18:00**              **Informal meeting of “Litteris et Artibus”  
 participants starts**

**SATURDAY, NOVEMBER 26, 2016**

- 12:00–14:00**      **Summarizing the results of the 6<sup>th</sup> International  
 Youth Science Forum “Litteris et Artibus”**  
*Lviv Polytechnic National University main building,  
 12 Bandera St.*

**FORUM POSTER AND ORAL SESSIONS**



**COMPUTER SCIENCE & ENGINEERING**

- Safonyk A., Targoniy I.* The automation of aerobic wastewater treatment
- Kutelmakh R., Chuiko A.* Designing and improvement of user interface using 3D Touch
- Tertyshnyi V.* Factographic Data Multidimensional Search Models
- Peleschshyn A., Holu Z.* Developing the Algorithm for an Online Community Monitoring with the Aim of Manipulation Detection
- Serdyuk P., Mosiuk V.* Handwritten characters recognition using modification of classic Rosenblatt’s perceptron extended with multiple S-layers
- Hatice Kusak Samanci.* On Investigating the Differential Geometric Properties of the Knitted Fabrics produced by Some Computer Aided Geometric Design Curves
- Hreb V., Vasylechko L., Prots Yu., Fitch A.* New mixed perovskite  $\text{RCo}_0.5\text{Cr}_0.5\text{O}_3$  ( $R = \text{Dy, Ho, Er}$ ) as a potential thermoelectric and sensory material
- Okhremchuk I.* Creating a linkage between “Environment” and “Socio-Political” blocks in the International Futures model
- Bybel V., Hlukhov V., Prystopiuk O.* Wireless Data Transfer Technologies Suitability Evaluation for Educational Laboratories Modernization
- Mohammed Kadhim Rahma, Hlukhov V.* Time complexity of multipliers for Galois fields
- Yegorova O.* Fuzzy-Chance Constrained Economic Order Quantity Models
- Malohlovetz A., Maxymovych V.* Research of the Methods For Improving Performance for Cryptographically Strong BBS Pseudorandom Bit Sequences Generators
- Mohyliak T.* Means of computerized analysis for detection of program code appropriation
- Melnyk R., Shokur Y.* Image compression based on the Visvalingam-Whyatt algorithm
- Palancı O., Sirma Zeynep Alparslan Gök, Ayşen Gül Yılmaz Büyükyavaşçı.* On the interval game-theoretic solutions and their axiomatizations
- Sandipkumar M. Vaniya, Bharathi B.* Exploring Object Segmentation Methods in Visual Surveillance for Human Activity Recognition
- Pashko A.* Comparative Analysis of Simulation Methods of the fractional Brownian motion
- Stefanko Ya., Piskożub A., Banakh R.* Concept and model for cloud infrastructure protection by using containers
- Haci Mehmet Baskonus, Muzaffer Askin.* Travelling Wave Simulations to the Modified Zakharov-Kuznetsov Model Arising In Plasma Physics
- Hasan Bulut, Tukur Abdulkadir Sulaiman.* On the New Hyperbolic Function Solutions to the (2+1)-Dimensional BKK System
- Fevzi Erdogan.* Exponentially Fitted Methods on Layer-adapted mesh for singularly perturbed delay differential equations
- Trishch H.* Galois fields elements modified multipliers features and structural complexity

*Us S., Stanina O.* The method to solving problem of the optimal partitioning sets with additional bonds and fixed centers of subsets  
*Haci Mehmet Baskonus, Tukur Abdulkadir Sulaiman.* On The Hyperbolic Simulations to the Camassa-Holm Equation  
*Ademola Samuel Adegoke.* Network locality awareness technique comparison and method of improvement of P2P CARMA implementation  
*Zavuschak I., Zhelizniak I., Rybchak Z.* Management process knowledge in the subject area and notion of contextual dependence  
*Zholubak I., Hluchov V.* Research hardware complexity of multipliers of extended Galois field GF(dm)  
*Kostyk A., Hluchov V., Zholubak I.* The research of the binary codes program complication and application in Cyber Physical Systems  
*Ihmatovych A.* Efficiency evaluating of the security components of computer systems  
*Wodo W.* Biometrics and security



### GEODESY, ARCHITECTURE & CONSTRUCTION

*Tretyak K., Dosyn S.* Differences between GNSS observations and tide gauge observations in studying vertical land movements  
*Pivtorak Yu., Bilinska O.* The use of natural materials in environmental architecture  
*Lozynskiy V.* Classification of methods and techniques for determining the volumes of waste and sediments  
*Savchyn I., Vovk A., Vaskovets S.* Research of local deformation processes of the Dniester PSPP territory at 2010–2015  
*Orel V., Potsiurko N.* Research of influence of wind on water jets while watering lawns  
*Haihel Yu.* Presentation of the selenoid mass distribution based on the impact of the ellipsoidal shape and rotating component  
*Petruniak V., Petrokushyn O.* Advantages of the Petroleum System Concept  
*Zademenyuk A., Hrytsaienko V.* Reconstruction of the international automobile control admission point of Bachivsk using modern GNSS equipment  
*Bugaienko O.* The Improvement of the Existing Land Ownerships and Land Tenures by Land Exchange in Ukraine  
*Khmil R., Tytarenko R.* Reliability Evaluation of Strengthened Reinforced Concrete Members  
*Hlavatskyi O.* Architectural and spatial organization and also criminology of the administrative districts in Lviv  
*Ivashchyshyn H., Kropyvnytska T., Kotiv R.* Production engineering and properties of low-energy masonry cement  
*Olevych Yu., Marushchak U.* The strength of nanomodified Rapid hardening concretes at elevated temperature  
*Peresunko B., Nedohonova A., Kramarenko S.* Modelling of atmosphere time state using regular observations of TEC parameters  
*Zavadsky I., Rusyn B.* Effective aerated concrete for energy efficient construction  
*Kovalchuk B., Blikharskiy Z., Khmil R.* Strength of the reinforced concrete beams, strengthened by the prestressed reinforcing bars  
*Rumilets T.* Ecological principles in design and operation of media libraries  
*Verba V., Fouad J. Ghattas, Ahmed Allam Fouad Okasha.* Flexural strength of autoclaved aerated concrete masonry subjected to out-of-plane horizontal loading. Research aim, programme and methodology  
*Kryvejko I., Turchyn B.* The «ideal city» concept in the modern architecture  
*Khymytsia O.* Architectural design and planning of Lviv media libraries: urban aspect  
*Dal M.* Statistical Comparison of The Ratios of Households With Central Heating Between Tunceli Province and Elazığ, Erzincan and Bingöl Provinces  
*Berezko O.* Analysis of architectural influence factors on social spaces of shopping malls  
*Kovtun I.* Hierarchy of Human Values in Architecture



### ELECTRIC POWER ENGINEERING AND CONTROL SYSTEMS

*Kozych A.* Mathematical Modeling of Linear Integration Based on Reverse Formulas  
*Yatseyko A., Andrushko V.* Research of Ferroresonance Processes in 330 kV Switchgear of Rivne NPP  
*Ferensovych R.* The Operation Mode of Single-Stage Current Transformer With Open Secondary Circuit  
*Chaban B., Lesovoi L.* Algorithm for Calculating the Natural Gas Flowrate with Taking into Account the Roughness Measured in Real Time  
*Muzychak A., Vlasenko M.* Prospects for Biogas – Leaders' Experience Helps Ukraine  
*Ostrovka I.* Recognition of Emergency Situations in Long Lines Based on the Square-Integrated Characteristics of Coordinate Regime  
*Kuznetsova M.* Use of Lignin as an Alternative Fuel  
*Semeniuk M., Leskiv I.* Diesel Generator Sets With Pulse-Width Excitation Control  
*Fedoryshyn R., Klos S., Savytskyi V.* Development of Mathematical Model of Controlled Plant Using the Obtained Experimental Data  
*Binkevych T.* Probabilistic Evaluation of Lightning-Protection in Overhead Transmission Lines  
*Nykonets A.* Lines of Further Research of Electromagnetic Processes in Transformers Under the Influence of Network Overvoltage  
*Varetsky Yu., Horban V.* Voltage Changes in Electrical Micro Network with Hybrid Power Plant  
*Biletskyi R., Biletskyi Yu.* Control Systems for DC motor as Port-Controlled Hamiltonian System  
*Roman V., Matiko F.* Efficiency Criterion of CFD-modelling for Studying the Ultrasonic Flowmeters  
*Dzhyhyrei V., Matiko F.* Analysis of Coke Gas Properties at Operation of its Metering Systems  
*Kovalenko T., Serdiuk V.* Application of Alloyed Industrial Oil in Friction Units of Power Equipment  
*Romaniuk O., Kril B., Kril D., Kokoshko R.* Algorithmic Method of Precision Enhancement of Paper Pulp Blade Consistometers



## HUMANITIES & SOCIAL SCIENCES

- Panas N.* Development paradigms of modern museums  
*Vozniak I.* Lexical Borrowings as a Means of Conveying Foreign Concepts in Ukrainian Mass Media  
*Hymytsia N., Derkachova T.* The main directions of the use of the Internet resources in the social and humanitarian studies  
*Lysekyo Ya.* Interactive methods in studying the history of ancient Greece and Rome with the students of "Museology and protection of cultural heritage" specialty  
*Mats A.* Translational Peculiarities of Foreign Films  
*Kopei Yu.* Refugee crisis in Europe – a new challenge of the XXI century  
*Chernaya V., Strukova S.* The potential of labor training in primary school for formation pupils' cross-cultural outlook and national self-conscious  
*Khoma I.* The museum management in today's expert environment  
*Verbytska P.* The problems of cultural interaction and intercultural dialogue actualization in modern Ukrainian society  
*Verkhoturova M.* The model of the wooden gunstock of handheld short barrel bombard in late 14 early 15th century from Lviv History museum collection  
*Peleshchyshyn A., Bilushchak T.* The Algorithm of Search and Identification of Internet Sources on Historical Events  
*Erkan Eroglu S.* As a Source for Relationships Between Individuals: Social Capital and Sense of Community  
*Ferhat Demirbas İ.* EU Countries Migration Policies with External Dimension  
*Duyar S.* Legitimization In Mass Media Through Sense Of Sight Framework  
*Nedim Sarıguzel.* Creating Cultural Environment for Europe in a Historical Framework  
*Gomeniuk O.* Benefits of participation in the Erasmus Programme. Opinion of the Polish students  
*Kıran E.* Being old in a country with a large youth population: the case of Turkey  
*Kıran E.* Gender Stereotypes in Turkish Soap Operas  
*Sivganur Kirman* Possible Benefits of Technology Usage and Electronic Games on Child Development  
*Bakıcı E.* Development and Change Processes of Medreses From Ottomans to Turkish Republic



## ECONOMICS & MANAGEMENT

- Melnyk O., Adamiv M.* Problems of regulatory-methodical support of diagnostics of financial conditions and the threat of bankruptcy of enterprises in conditions of European integration  
*Dziubińska A.* The significance of institution in business model reconstruction – two approaches  
*Eray Aydın, Mahmut Oral Tascı.* The Relationship Between Organizational Commitment and Turnover Intention “The Case of Regional Development Agencies”  
*Freyuk O.* Trends of the future logistics in e-commerce  
*Golovko L.* Sustainable Development: socio-economic Optimization for the innovation Systems  
*Kharyakova I., Naumova N.* Chamber of Commerce and Industry role in promoting the region's economic potential  
*Janiszewski A.* Competence view and its implications for clusters analysis in turbulent environment  
*Kopets G., Rachynska G., Dzyubina K.* Economic Aspects and Business Implications of Widespread Adoption of Electronic Commerce and Transactions  
*Kulyniak I., Ivashkiv Yu.* The psychological characteristics of a modern manageress' image formation  
*Kwiatkowski C.* Customer Complaints - Tip of the iceberg  
*Mehmet Şahin, Aykut Bedük, Alper Ateş.* Literature Scan In Turkey Devoted To Identify Entrepreneurship Levels Among University Students  
*Naumova N., Yevstihnieieva O.* X, Y Theories as sources for effective communication targeting  
*Rahmi Baki.* Personnel selection through Fuzzy ELECTRE I method  
*Bohun V., Onyshkevych O.* Comparative analysis of ukrainian and international educational projects  
*Lepek I., Protsak K.* The peculiarities of studying in a coaching style  
*Pylpynchuk T., Onyshkevych O.* The problems of financial statement analysis as a basis for evaluation of the development opportunities of enterprises  
*Pyroh O., Horyachka A.* Analysis of the development of electronic commerce in international markets  
*Heleta R., Didukh O.* Approaches for Analysing Activity Efficiency of Insurance Companies  
*Zielińska A.* The essence of valuable natural areas sensu stricto and sensu largo



## MECHANICAL ENGINEERING, MATERIALS SCIENCE, TRANSPORT

- Lavrys S., Kovbasyuk T., Penkovyi O.* Tribotechnical Characteristics of VT22 Titanium Alloy after Nitriding, Combined with Heat Treatment  
*Borodinova T., Styopkin V., Vasko A., Kutsenko V., Marchenko A.* Formation and Growth of Gold Nanostructures on Atomically Smooth Surfaces of MoS<sub>2</sub>, Graphite, Mica in the Non-Aqueous Medium  
*Emre Kara, Ahmet İhsan Kutlar, Mehmet Haluk Aksel.* Solution Refinement Effectiveness of Multi-Grid Accelerated, Cartesian Grid Based Navier Stokes Solver on Compressible and Laminar Flows  
*Trush V., Luk'yanenko A., Chvalbota V.* Oxidation and Nitriding Tubes of Zr-1%Nb Zirconium Alloy

- Engin Özçelik A., Acaroğlu M., Aydoğan H.* Safflower Biodiesel Blends with Eurodiesel in Common Rail Diesel Engine Exhaust Emission Effect
- Kovbasyuk T., Klymko O., Baziuk M.* Structure and Properties of Dielectric Coatings based on Fusible Glass-Ceramic Materials
- Kuts Yu.* Creation of New Antifriction Materials from Industrial Wastes
- Shcheretskyi V., Zatulovskyi A.* Bulk Metal Matrix Composite Materials with Nanoscale Fillers
- Shvachko Kh., Kovbasyuk T.* Kinetic Regularities of Interaction of Sintered Titanium with Molecular Nitrogen at Atmospheric Pressure
- Zakharenko I., Honcharov V.* Wettability of Stainless Steel Processed Titanium and Molybdenum Ions
- Romaka V., Rykavets Z., Krayovskyy V., Romaka L.* Structural Disorder in TiFeSb Half-Heusler Antimonide
- Shtoyko I.* Calculated Model for Determining the Subcritical Growth period of Corrosion-Mechanical Crack in Plate under Long-Term Static and Time Concentrated Quasi-Dynamic Loadings
- Shenbor V., Korendii V., Brusentsov V., Brusentsova M.* Specific Features of Development of Long-Length Tubular Vibrating and Transporting Systems
- Korendiy V., Bushko O., Barabash V.* Development of Experimental Horizontal-Axis Wind Turbine with Sail-Type Blades
- Gavriltchenko O., Zakharov V., Korendiy V.* Technological Equipment for Finishing Treatment
- Korendiy V., Skripnik R., Khomych I.* Structure Analysis of Six- and Eight-Link Walking Mechanisms
- Dmyterko P., Novitskyi Yu.* The Simulation Model of the Trajectory of the Point of Contact of Tool-Workpiece during Friction Hardening
- Sotnikova A.* Effect of Road Surface Equality on the Driver's Functional State
- Roslavtsev D., Olkhova M.* Comparative Evaluation of Transporting Cargo by Road and Rail between Lviv and Kharkiv
- Bojkiw M., Chudiyovych B.* The Change of the Safe Motion Speed at Night-Time
- Kvasnii R., Zhytenko O.* Methods of Evaluating Pedestrian Level of Comfort
- Postransky T., Afoni M.* The Change of Bus Drivers' Functional State
- Hrytsun O.* Evaluation of Pedestrian Motion Safety on Regulated Crossroads



## CHEMISTRY & CHEMICAL TECHNOLOGY

- Mariichak O., Diubanov V., Radio S. Y., Sm-, and Er-Containing Heteropoly Tungstates With Peacock-Weakley Anion: Synthesis, Structure, and Surface Micromorphology*
- Dogan O., Dag R.* Application of Liquid Glass (SiO<sub>2</sub>) on Textile Products
- Artyukhov A., Vedmedera V.* Straited movement of the granules in a vortex granulator
- Miroshnychenko Yu., Beznosyk Yu.* Modelling of sol-gel synthesis of functionalized silica materials in a microreactor
- Sozanskyi M., Chaykivska R., Guminilovych R., Shapoval P., Yatchyshyn Yo.* Investigation of Some Regularities of ZnS and ZnSe Films Synthesis
- Chobit M., Borova S., Bukartyk N., Shevchuk O., Tokarev V.* Obtain of carboxylic- and aminocontaining hydrogels based on acryl amide
- Slesarchuk M., Kudrynetska A., Synhayevskyy V., Shakh Y., Romanenko I., Bolibrukh H., Kovalchuk O., Karhut A., Polovkovych S.* Synthesis of new phosphoric and amino acid derivatives based on 4,6,4',6' hidrazo-tetrachloro-bis-1,3,5-triazine
- Kindzera D., Atamanyuk V., Gosovkiy R., Lishchyn'ska I.* Diffusive transfer during filtration drying of sunflower stalks
- Demydova Kh., Demchyna O., Yevchuk I., Koval Z.* Hybrid Organic-Inorganic Composites with Different Hydrophobic/Hydrophylic Component Ratio
- Dobrovetska O.* Electrochemical oxidation of methanol on the surface of nanostructured Pd-Au
- Fedotov R.* Present and Future of Nitric Acid Production
- Skydanenko M., Demchenko A., Kononenko M.* Forecasting of the Priller Dispersing Modes in the Production of Nitrogen Fertilizers
- Golembiovskyy A., Golembiovska M., Khoruzha A.* Synthesis and properties of different types of organomodified montmorillonite for contaminants adsorption
- Gumerova N., Roller A., Rempel A.* The first tris-functionalized Anderson-type heteropolytungstate
- Hnativ Z., Nykulyshyn I., Kozlov S., Khalaniia O.* Heavy pyrolysis tar as a raw material fordark hydrocarbon resins
- Ivaniia A.* The study of different types of swirl generators in a vortex granulator model
- Kovalchuk A., Zakharkiv O., Ivashchuk O., Reutskyy V.* The research of the cyclohexane oxidation process using methods of engineering analysis
- Jablczynska K., Widyńska E., Sosnowski T.* Preparation of nanostructural dextran-based carrier particles for drug delivery to the lungs
- Khoruzhenko O., Lykhyi V.* Influence of the refractories chemical composition onto opal glass furnace durability
- Kostiv I., Marshalok G.* Peculiarities of obtaining 2-hydroxyethyl-1,3,4-trimethylcyclohex-3-encarboxylate
- Koval I.* Technological process of cavitation water disinfection
- Atamanyuk V., Huzova I., Patrii N.* Reducing of energetic costs for drying process for candied pears production
- Nebesnyi R., Shpyrka I., Sydorchuk V., Khalameida S., Ivasiv V., Orobchuk O., Zavalii K., Lapychak N.* Synthesis, Porous Structure and Catalytic Properties of Mixed Vanadium-Titanium Phosphates in Aldol Condensation Reaction of Acetic Acid with Formaldehyde
- Filias S., Havryliv R., Maystruk V.* Kinetics study of the finely dispersed limestone thermal decomposition reaction
- Werner L., Jackiewicz-Zagórska A.* Modification of Polypropylene Melt-blown Fibers by Photopolymerization of Acrylic Acid
- Nagurskyy A., Grynyshyn O., Khlibyshyn Yu., Fedoriv R.* The study of swelling and solubility of crumb rubber in the medium of residual base oil
- Ostroga R., Shevets S.* Drying and Granulation of Organic Substances in the Apparatus with Active Flow Hydrodynamics
- Polyuzhyn L., Bura K., Shapoval Yo., Polyuzhyn I.* Concentration Effect of Silicone Defoamer with Trade Name BYK-037 on Foam Destruction Rate for Water Solution of Polyacrylamide and Sodium Laureth Sulfate
- Skoretska I., Beznosyk Yu.* Modeling of heterogeneous catalytic reduction process of aldehydes
- Danylyuk O., Atamanyuk V., Halaniya O.* Dissolution polydisperse solid phase in the gas-liquid flow

- Znak Z., Sukhatskiy Yu., Zin O., Mnykh R.* Approbation of cavitation and flotation separation technology of heterogeneous liquid phase environments
- Lapychak N., Ivasiv V., Nebesnyi R., Shatan A.-B.* Synthesis of methacrylate monomers combined condensation of propionic acid and methylpropionate in the gas phase
- Sachuk O., Kopachevska N., Zazhigalov V., Starchevskyy V.* Influence of mechanochemical and ultrasonic treatments on the structure and properties of ZnO-MoO<sub>3</sub> (1:1) composition
- Korchak B., Chervinskiy T., Hrynyshyn O.* The New Way of Wasted Oils Regeneration
- Zakharkiv O., Kovalchuk A., Ivashchuk O., Mosiuk M., Atamanyuk V.* The research of the grain crops filtration drying
- Zhdanyuk N., Prus V.* Investigation of removal of U(VI) from aqueous solutions by organo-montmorillonite supported iron nanoparticles
- Kashuba L.-A., Mosiuk M., Atamanyuk V.* Kinetics of filtration drying of biomass
- Voronovska A., Tovarnitskiy A., Zelenyak O., Ranevska M., Stasiuk A., Ferens M., Fihurka N., Tarnavchik I.* Poly(ethylene glycol) and poly(propylene glycol)-containing aminofunctional copolyesters for biomedical application
- Sosnowski T., Penconek A., Jablczynska K.* Effect of diesel-emitted nanostructured particles on the apparent surface rheology of model lung surfactant



### LAW & PSYCHOLOGY

- Demnyk V.* Infographics as new way of communication
- Kuta O., Malynovych L.* Aspects of indices determination of the children's psychological readiness to the school education
- Radeiko R.* Legal regulation of social networks
- Ortynska N.* The active suffrage of minors
- Chornopyska V.* Anthropology of criminal behavior in the European philosophy in the 16th – 19th centuries
- Lesko N.* Determination of offenses among children
- Khomysheyn I.* The notion and content of quality assurance of higher education in Ukraine
- Zabokrytskyy I.* Roper v Simons as illustration of comparative constitutional interpretation problems



### ENVIRONMENTAL PROTECTION, NATURAL RESOURCE MANAGEMENT AND TOURISM

- Malovanyy M., Petrushka K.* Danger Pollution of the Hydrosphere Ammonium Salts
- Alper Ateş, Ceyhan Çağlar Kılınç, Halil Sunar.* Analysing Online Customer Experience with Tripadvisor: The Case of Konya
- Ceyhan C. Kilinc, Alper Ates, Halil Sunar, Mustafa Coskuner.* Crisis Affecting Tourism Relations Between Turkey and Russia
- Sliusar V., Sereda A., Malovanyy M.* Research possibility of the previous cleaning of filtrates at Lviv landfill by an aeration method
- Kanda M.* Optimal litter composition for industrial poultry houses
- Tymoshenko L., Us O.* Ecological and economic foundations of air protection in the industrial city of Dnipropetrovsk region
- Pohrebennyk V., Dzhumelia E.* Environmental Problems of Soils during the Liquidation Rozdil State Mining and Chemical Enterprise «Sirka»
- Bilous S., Chornobrov O.* Biotechnological aspects of micropropagation of Salicaceae genus plants
- Dyachok V., Katysheva V.* Determination of the activation energy of the reaction of photosynthesis in chlorophyll synthesizing microalgae
- Myroniuk V., Bilous A.* Combining Rapid Eye Satellite Images and Forest Inventory Data for Assessment of Forest Biomass
- Politylo R., Koziy S.* Assessment of the ecological state of water resources of Lviv city solid waste landfill
- Pohrebennyk V., Klochko U., Politylo R.* Analysis of the impact of Zaporizhia nuclear power plant on the environment
- Kalinichenko K., Nikovskaya G., Ulberg Z.* Actual ecologically friendly solving of problem of municipal sludge
- Ramadan Benjared, György Füleky.* Cleaning heavy metal pollution of wastewater with compost application

