

**CONTENT**

**ROAD TRANSPORT**

<b>Sytar M.</b>	On Improving the Maneuverability of a Long-Rig Road Train	3
<b>Tatsyn P.</b>	To the Issue of Track Joint Elements Deterioration	6
<b>AGRICULTURE</b>		
<b>Kraichynska O., Opanasiuk D., Solonchuk M.</b>	Monitoring of Basil Diseases in the Rivne Region	8
<b>Krasovska A.</b>	Catalase Behavior: Mechanisms and Regulation of Activation	11
<b>Kutuza D.</b>	Modern Approaches to Pruning Fruit Trees	14
<b>Prytoliuk V.</b>	Influence of Types of Nitrogen Fertilizers on the Yield of Spring Barley in the Western Forest-steppe	19
<b>BIOTECHNOLOGY</b>		
<b>Vozniuk R.</b>	Comparative Analysis of Biofuel Generations in the Context of Microbial Biotechnology	22
<b>Vorobiova Ye.</b>	Evaluation and Analysis of Antimicrobial Properties of Fermented Kombucha	26
<b>Sakhno N.</b>	Chemical Composition of Supramolecular Bioplastic and Potential Environmental Risks of Its Decomposition	31
<b>CONSTRUCTION</b>		
<b>Boreichuk Yu., Zhabchyk A.</b>	Application of Carbon Composite Strips for Strengthening Bridge Span Beams	35
<b>Muliavka A.</b>	General Information on Fortification Structures	39
<b>AQUATIC BIORESOURCES</b>		
<b>Rudnik O., Zuravel A.</b>	Variability in the System of Evolution of the Aboriginal Ichthyofauna Population in the River and Lake Network of Pripjat Polissya	46
<b>WATER ENGINEERING</b>		
<b>Husarenko-Barskyi P., Husarenko-Barska R., Husarenko-Barska Ye.</b>	Chat Gpt-4o as an Auxiliary Tool in the Study of Hydraulics	50
<b>Pylypchuk A.</b>	Hydraulic Structures of Fish Farms	59
<b>Shakhvorostova H.</b>	Wastewater as an Additional Source of Freshwater for Agriculture in the Kherson Region	62

ECONOMICS, MANAGEMENT		
<b>Bobrynichenko D.</b>	Sustainable Development Strategies of the UK After Leaving the EU: Analysis and Prospects	67
<b>Vysotskyi V.</b>	Alternative Ways to Finance Ukraine's Needs	70
<b>Matviichuk Yu.</b>	Corporate Social Responsibility as a Tool for Increasing Trust in the Company	74
<b>Sydorchuk D.</b>	State and Prospects for the Development of the Hotel and Restaurant Business in Ukraine	78
<b>Sysun O.</b>	Financial Management of an Insurance Company	83
<b>Sozoniuk Ya.</b>	Development and Functioning of Corporate Enterprises in Ukraine	87
<b>Fedorenko S.</b>	Formation and Development of a Project Team	91
<b>Shevchuk D.</b>	Development of Corporate Governance in Ukraine: Challenges and Prospects	95
ELECTRICAL POWER ENGINEERING, ELECTRICAL ENGINEERING		
<b>Hlushchuk V.</b>	Experimental Determination of the Operating Characteristics of an Autonomous Asynchronous Generator	99
INFORMATION TECHNOLOGIES		
<b>Haiduk M., Korniichuk M.</b>	Types of Dust Pollution and Air Sensors	103
<b>Halenjuk M., Bachmaniuk D.</b>	Information System for Managing Electronic Progress Logs and Class Schedules in Higher Education Institutions	108
<b>Opanasenko A., Sachkovskyi B., Hlynskyi D.</b>	Satellites, Satellite Images, And Spectral Bands of Remote Sensing	112
<b>Ilchenko Ya., Smilyanets A., Yaruta D.</b>	STEPBYSTEP Web Application for Organizing Travel Routes Planning	118
<b>Ilchuk V., Nazarova YA.</b>	Satellite Data Transmission and Storage	122
<b>Iliukova S.</b>	Web Accessibility of Medical Institution Websites in Rivne	127
<b>Palamarchuk A.</b>	Modeling of Information Security Risk Assessment	130
<b>Stetsiuk V.</b>	Research on Digital Image Scaling Methods	134
<b>Tabachuk M.</b>	SEO Optimization of Web Sites of Higher Educational Institutions of the Rivne Region	140

<b>CARTOGRAPHY</b>		
<b>Kibysh A.</b>	Cartographic Modeling of Nature Reserve Territories of Communities of the Ternopil Region	143
<b>SCIENCE OF LAW</b>		
<b>Biba M.</b>	Current Cybersecurity Issues in Ukraine	146
<b>Bloshkina O.</b>	Forensic Accounting Examination as a Special Study for Establishing Facts Significant to the Development of Cases in International Courts and Tribunals	149
<b>Lysyi V.</b>	Problems of Legalization of Private Detective Activities in Ukraine	155
<b>Yakymchuk D.</b>	Concept of an Ecological Network and the Features of its Legal Regime	158
<b>VOCATIONAL EDUCATION</b>		
<b>Meretska A., Chyzh Ye.</b>	Results of Industrial Practice of Applicants for the Public Management and Administration Program: Strengthening Practical Training	161
<b>Pakhut A.</b>	Problems of Duplication of Powers and Prospects for Partnership Between Student Self-government Bodies and Trade Union Organizations of Students of Higher Education Institutions	165
<b>CHEMISTRY</b>		
<b>Kadyrova D.</b>	Systematic analysis of the technology for extracting gallium from alkaline aluminate solutions	168
<b>Korobchuk S.</b>	Analysis of Methods for Extracting and Fractionating whey Proteins	173
<b>PHYSICAL CULTURE AND SPORTS</b>		
<b>Dvorak V., Semeniuk S.</b>	Olympic Movement of the Rivne Region	180