



## Content

### HYDRAULIC ENGINEERING

Klapuk M. M., Moshynskyi V. S., Bezusiaik O. V., Volk L. R.	Research of Total Kinematic Turbulent Viscosity Distribution of Turbulent Flow in Pipes .....	3
Kozishkurt S. M., Turcheniuk V. O.	Agro-Hydrological Properties of Soils of Rice Irrigation Systems and the Express Method of Their Determination .....	18
Klimov S. V., Ivanchuk H. S.	Flood Control Measures on the Tisza River in the Settlement of Velykyi Bychkv, Transcarpathian Region .....	27
Volk P. P., Prykhodko N. V., Rokochynskyi A. M.	System Approach as a Methodological Basis For the Management of Agricultural Landscapes in the Polissia Zone of Ukraine	41
Gerasimov Ie. G.,	Bases of Machine-Free Water Supply of Effective Agriculture .....	52
Hopchak I. V., Basiuk T. O.	Assessment of Anthropogenic Load on the Small River Vyzhivka Basin .....	65

### WATER SUPPLY AND WASTEWATER DISPOSAL

Ivaniv V. V., Bihun I. V.	Applications and Methods of Calculation of Pressure Pipelines-Collectors .....	76
Kunytskyi S. O.	Features of Design of Water Preparation Station .....	90
Kizieiev M. D., Kunytskyi M. O.	Evaluation of Energy Efficiency of Wastewater Heat Energy Use .....	99

Shadura V. O.	Creation of an Equivalent Model of Water Intake From Wells By Identification of Calculation Parameters .....	107
---------------	--	-----

## APPLIED MATHEMATICS

Zhukovska N. A., Zhukovskyi V. V.	Mathematical and Computer Simulation of the Stress-Strained State of Multilayered Soil Massif With Movable Free Surface in Two-Dimensional Case .....	116
--------------------------------------	---	-----

## INFORMATION TECHNOLOGY

Zubyk L. V., Zubyk Y. Y., Ivanytska A. Y., Batechko O. Y.	Organizational Methods of Information Protection of Modern Private Medical Institutions .....	126
--	---	-----

## CONSTRUCTION AND ARCHITECTURE

Azizov T. N., Kochkarov D. V.	To the Calculation of Reinforced Concrete Slabs with the help of Rod Approximation ....	137
Mishutin A. V., Tvardovskiy I. O., Zavoloka M. V., Kintia L.	Survey of the Bridge Through the Chychylia River on the Central Street in Mykolaivka Urban-Type Settlement .....	147
Tolmachov S. M.	Road Concrete Abrasion as Criterion of Prediction of its Durability .....	157

## ENGINEERING SCIENCE

Hevko I. B., Komar R. V., Marchuk N. M.	Structural Synthesis of Elastically Safety Clutch Screw Conveyors .....	172
---	---	-----