

SCIENTIFIC BULLETIN OF  
"Politehnica" University of Timișoara, Romania  
Transactions on HYDROTEHNICS

CONTENT

Vol. 45 (59), 2000, No.1,2, ISSN 1224-6042

<i>Jura,C., Giurconiu,M., Mirel, I.</i> -Prodigious activity of Prof. Pompiliu Nicolau in Sanitary Engineering.....	12
<i>Jura,C., Giurconiu, M., Mirel, I., Crețu, Gh.</i> - Water supply and sewerage laboratory. Contributions at science and education activity perfecting.....	18
<i>Lazăr, Gh., Constantin, T.A.</i> - Deformation and unit stresses state to an earthen dam with clay core, performance of the dam in unlinear material and geometrical unlinearement zone.....	23
<i>Fulop, E., Constantin, T.A.,Orlescu,C.</i> - General consideration about reopening the navigation on the Bega Channel .....	31
<i>Preluscheck,E., Constantin, T.A.</i> - A new technology for dam performing using roller compacted-concrete .....	40
<i>Ilinca,C., Popovici, A.</i> - Some aspects concerning use of the statistical models in hydraulic structures surveillance .....	45
<i>Novac,I., Joavină, R., Popa, M., Ciurea, C., Maftei, C., Pascale, D.</i> - Statistical parameters for marine waves from Black Sea.....	53
<i>Chițac,V.</i> -Vertical wave loads acting on the ship and minimalization of vertical ship motions .....	59
<i>Vlaia, M.</i> - Realizations of Timișoara hydrotechnical schools in domain of retention metallic constructions ...	65
<i>Vlaia, M.</i> - Regarding the conception of retention metallic constructions in future. Perspectives .....	71
<i>Harabagiu,C., Macridin, Z.</i> - Analyze of the July 1999 flood on Cerna River .....	77
<i>Man, E.T., Stoica, S.F.</i> - Drainage studies about the most representative excess moisture soil from Timiș, Arad, Bihor and Maramureș Counties .....	84
<i>Roșu, L., Șerban, L., Ciurea, C., Pascale, D.A., Dumitru, A., Popa, M.</i> - The dimensioning, by means of analytical calculus methods, of automated irrigation canals equipped with constant upstream level controllers ...	90
<i>Doandeaș, V., Eleș, G.</i> - Verifying possibility of the horizontal measured angles in the open traverse having only the starting azimuth and close sight .....	96
<i>Arsenie,D.I., Florea, M., Omer, I.</i> - Considerations about the accuracy computation regarding ram strike .....	101
<i>Moisuc, I., Arsenie, D.I., Roșu, L.</i> - On an analytical solution to the calculation of the unsteady water infiltration into the aquiferous layers due to the periodical variation of the reservoir level .....	107
<i>Constantinescu, Gh.</i> - The influence of free air upon celerity in under pressure hydraulic pipes .....	113
<i>Beilicci, R., Beilicci,E.</i> – Groundwater flow computation. Steady state, homogeneous and isotropic aquifer.....	119
<i>Beilicci,R.,Beilicci,R.</i> i-Groundwater flow computation in the case of earth dam .....	125
<i>Sandu, M.</i> - Modern tendencies in developing technological channels of water plants.....	129

<i>Ianuli, V.</i> - The evacuation, separation and washing of sands retained in sewage treatment stations .....	<b>135</b>
<i>Jura,C., Brata, S.</i> - A methodology for determination the exploitation characteristics of electropumps with variable rotation speed .....	<b>145</b>
<i>Mirel, I., Florescu,C., Stăniloiu,C., Arimia, F.</i> – Water supply systems for small communities.....	<b>153</b>
<i>Bârsan, E., Ignat, C.</i> - The analysis of sedimentation tanks taking into account the settling velocity distribution .....	<b>160</b>
<i>Mateescu,T.,Gălățanu,C.D.</i> -Self acting-automatic pressure control valves in water distribution systems .....	<b>168</b>
<i>Bârsan, E., Ignat, C.</i> - An analysis method for water distribution systems.....	<b>174</b>
<i>Gălățanu, C.D.</i> - Experimental results acquired by an automatical stand for flowmeter calibration .....	<b>180</b>
<i>Lăzărescu, M.</i> - Experimental research of a material behavior from a settling pond at its emplacement near a watercourse .....	<b>186</b>
<i>Klein,L., Lupea, A.X., Matiuți, M., Ilisie, Popescu, M.D.</i> - Protein separation from wastewater and their use as fodder admixture .....	<b>191</b>
<i>Popescu, D.</i> - Biogas – how to produce and make it useful .....	<b>197</b>
<i>Beilicci,E., Beilicci, R.</i> - Model for calculation erosion losses from large watersheds .....	<b>201</b>
<i>Beilicci,E., Beilicci, R.</i> - Soil erosion losses from upland areas .....	<b>205</b>
<i>Crețu, Gh., Roșu, C., Jebelean, S., Nagy, C.</i> - The International Hydrological Program in the frame of UNESCO. Project of Ecohydrology .....	<b>211</b>
<i>Roșu, C., Jebelean, S., Nagy, C.</i> - The revival of the Bega Canal.....	<b>219</b>
<i>Wehry, A.</i> - Actual situation of waste deposits in Europe .....	<b>225</b>
<i>Sabău, N.C., Jurcuț-Todoran, T., Domuța, C., Berchez, O., Brujea, R.</i> - The pollution of soil with zinc in S.C. UAMT S.A. Oradea .....	<b>231</b>
<b><u>Abstract - The proposed paper is the result of a environment impact study, executed by Oradea University,</u></b>	
<i>Simon,I., Borlea, A.</i> - Mechanical stage of before cleaning of waste waters from fuel oil housekeeping of thermo power plant .....	<b>239</b>
<i>Ghiba, Gh. M.</i> - The pollution phenomenon of the Danube waterway as a result of the river traffic development .....	<b>245</b>
<i>Maftei, C., Popa, M.</i> - ACROPOLE, software for rainfall – flow series analysis.....	<b>253</b>
<i>Şerban, L., Hâncu, D.C.</i> - Technological principles of the production of red-sludge (RS) colored plaster products .....	<b>259</b>
<i>Georgescu, I., Popescu, I.</i> - Solutions for repair the damages of the old buildings with a resistance structure made by carrying masonry and wooden board .....	<b>264</b>
<i>Georgescu, I., Buțu, A.-</i> The determination of the pulsation and proper forms of vibrations for an oscillating system with two dynamic degrees of freedom .....	<b>268</b>
<i>Şumălan,I., Guțiu, S.,</i> - The pollution of the surface waters on Timiș-Bega catchment area and their effects on water quality .....	<b>271</b>
<i>Nemeș, I.</i> - Relationship between soil physical and hydraulic parameters in soils.....	<b>279</b>