

## CONTENTS

Vol. 8, № 1, 2010

### AGRONOMY AND AGROECOLOGY

- Influence of *Endoreticulatus Schubergi* (Microsporidia) on Growth and Development of *Lymantria Dispar* (Lepidoptera:Lymantriidae) Larvae** 10  
*M. B. Kereselidze, D.K Pilarska, A. Linde, G. Hoch*
- Short-time Effects of Grazing Abandonment on Semi Arid Rangelands in Azerbaijan** 14  
*J. Peper, A. Jabbarov, M. Manthey*
- Rational Use of Soils under Forage Grass Condition of Nakhchevan Authomous Republic** 18  
*G.Sh. Mammadov, S.A. Hajiye*
- Coefficient of the use of the Nutrient Matters by a Cotton Plant under Different Norms and Methods of the Fertilizers Application** 22  
*M.P. Babaev, S.F. Jafarova*
- The Ampelo-Descriptive Characteristic of the Georgian Grape Varieties Introduced in Nakhichevan Autonomous Republic** 26  
*V.M. Kuliye, M.K. Musayev*
- Impact Evaluation of Flooded Forest Areas in the Eutrophication Process of Lake Sevan** 31  
*A.A. Davtyan*
- Persian Walnut Germplasm Collecting in Azerbaijan** 34  
*Z. A. Ibrahimov*
- Pollen Morphology of the Genus *Convolvulus L.* (Convolvulaceae Juss.). Part III** 39  
*A. M. Hayrapetyan*
- Microbiological Assessment of Lake Sevan Pelagy Water Quality** 44  
*A.M. Minasyan, R.H. Hovhannisy, H.S. Vardanyan*
- Influence of Systematically and a Long-Term Application of Mineral Fertilizers of Properties of Agricultural Chemistry of Krasnozem** 48  
*B.A.Godziashvili, M.V.Chebotareva*
- The Comparative Evaluation of Winter Pastures Soils of Azerbaijan** 50  
*A.F.Gasanova*
- Distribution and Ecological-Morphological Peculiarities of the *Coluber Najadum* (Serpentes, Colubridae) in the Lenkoran Nature Region** 54  
*S. N. Bunyatova*
- The Role of Loamy Sediments of River Reservoirs as Soil Improvers** 57  
*Sh.M.Shirnova, E.M.Gasimov, V.R.Kurbanov*
- Current State of Arable Lands and Natural Meadowlands of the Southern Slopes of Sevan Ridge and Ways of Reclamation** 60  
*G. A. Khachatryan, E. M. Hayrapetyan*
- Genetic Features and Diagnosis of Alluvial-Meadow Soils in Flood-Lands of the Khura River** 63  
*V.H.Hasanov*
- The Development of the Model of Agroecological Fertility of Soils** 70  
*N.M.Gasimov*
- Influence of the Regulation of the Khura and the Araz Rivers Flow and their Feeders on Flood-Plain Lakes** 72  
*V.A. Mammadov*

<b>Succession of the Specific Composition of Soil Microfauna during Decomposition of the Vegetative Rests</b> <i>P.A. Samedov</i>	76
<hr/>	
<b>ECOLOGICAL AGRICULTURE AND NATURE CONSERVATION</b>	
<b>Energy Assessment of Conventional and Organic Agriculture</b> <i>A.H. Babayev, F.A. Namazov</i>	80
<hr/>	
<b>AGROENGINEERING</b>	
<b>A New Principle of Crushing of Different Materials</b> <i>G.A.Javakhishvili, V.Z.Miruashvili</i>	83
<b>The Theory of Calculation of the Parameters of Shielding Felloe of a Mill of Intershrub Cultivation of Vinyards</b> <i>D. P. Petrosyan, A. S. Grigoryan</i>	88
<b>The Calculation of Constrictive and Exploitative Biofermentative Elements</b> <i>A. G. Aghasaryan</i>	93
<b>Increase of Metals and Welded Compounds with the Help of Influence Massive Ultrasound Waves</b> <i>L. H. Azizbekian, S. V. Gasparian, L. H. Hakopian</i>	97
<b>On the Calculation of the Horizontal Drainage Located in the Top Layer of a Two-Layer Ground</b> <i>S.T. Hasanov</i>	100
<hr/>	
<b>VETERINARY SCIENCE AND ANIMAL HUSBANDRY</b>	
<b>The Study of Biology and Catch Fluctuations of Big-Eye Kilka (<i>Clupeonella grimmi</i>) in South-east Part of the Caspian Sea (Mazandaran Province)</b> <i>G. Karimzadeh</i>	104
<b>The Identification of the Fishes of Armenia</b> <i>S.Kh. Pipoyan, E.A.Tigranyan</i>	112
<b>Bioacoustic Analysis of Armenian Amphibians' Mating Calls</b> <i>E. M. Yegiasaryan</i>	117
<b>Age Dynamics of Certain Biochemical Indices in the Blood of Goats of Different Genetic Types</b> <i>G.Yu. Marmaryan</i>	123
<hr/>	
<b>TECHNOLOGY OF PROCESSING OF AGRICULTURAL PRODUCTS</b>	
<b>Participation of Aliphatic Amino Acids in Meillard Reaction</b> <i>R.I.Kublashvili, I.G.Abdushelishvili, Z.A.Kuratashvili, B.S.Tsereteli</i>	127
<b>Preparation of Products of Children's Nutrition from Fruits and Berries</b> <i>A. V.Khotivari, I. V.Kupatadze, G.Z. Grigorashvili, N. Sh. Iluridze</i>	132
<b>Studying Technical-Chemical Indexes of Stored Quince Fruits for the Purpose of Further Processing</b> <i>G. N. Kaishauri</i>	138
<b>Bacteriological Researches of Amines and Ammonium Salts with 2-Hydroxyethyl Group</b> <i>A.H.Nazaretyan</i>	141
<hr/>	
<b>FORESTRY</b>	
<b><i>Vaccinium Myrtillus</i> var. <i>Artvinense</i> - a new Taxon for the Flora of Turkey</b> <i>O. Eminagaoglu, H. A. Akpulat</i>	144

<b>The Influence of the Density of Plantations on the Root System Formation of Pine Trees on the Shipe Sands of Lake Sevan</b>	147
<i>A.M. Pahlevanyan</i>	
<b>Microclimate of Adjarian Beech Forests</b>	150
<i>L.T. Dolidze, Z.K. Manvelidze, N.D. Fasurashvili</i>	
<hr/>	
<b>ECONOMICS</b>	
<b>Consequences of the World Financial Crisis for National Economies and Financial Systems</b>	153
<i>H. Kh. Khachatryan</i>	
<b>Tendencies of Tea Export-Import in Georgia</b>	158
<i>V.P. Tsanova, G.N. Glonti, G.V. Antadze</i>	
<b>Evolution of Extramarital Births in Villages of Georgia</b>	162
<i>G. G. Meladze</i>	
<b>The Problems in Water Supply of the Caspian Coast Azerbaijan</b>	168
<i>V.H. Salimova</i>	
<b>Condition of Provision with Public Food in Georgia</b>	171
<i>G. I. Gogoli, L.A. Tortladze, N.A. Kurtsikidze</i>	
<hr/>	
<b>REVIEW</b>	
<b>Creative Success</b>	174
<i>T.F. Urushadze</i>	
<b>Fundamental Monograph</b>	176
<i>M.I. Gerasimova, T.F. Urushadze</i>	
<hr/>	
<b>CHRONICLE</b>	
<b>International Conference “Geography of Soils: New Pages”</b>	178
<i>T.T. Urushadze</i>	
<hr/>	
<b>JUBILEE</b>	
<b>Our Editor</b>	184
<i>(Prof. T.F. Urushadze – 70)</i>	
<b>A Famous Ecologist</b>	186
<i>(Prof. A.G. Babaev – 60)</i>	
<hr/>	
<b>OBLITARY</b>	
<b>In Memory of Heinz Fehr (1935-2009)</b>	188
<hr/>	
<b>Guide for Authors</b>	190
<hr/>	