

CONTENTS

Vol. 10, No 4, 2012

AGRONOMY AND AGROECOLOGY

- Heterotic and Heterobeltiotic Studies in *Flue Cured Virginia (FCV)* Tobacco8**
Imtiaz Ali, Fida Mohammad, Ayaz Khan
- Negative Influence of Mistletoe Lectin on Survival of *Apamea Sordens* and *Agrotis Segetum* (Lepidoptera, Nostudae)17**
M.V. Gaidamashvili, N.D. Keburia, E.G. Khurtsidze
- The Optimal Depth of Processing Soda Saline Soils of the Ararat Valley to Chemical Melioration Depending on the Mechanical Composition and Lithological Structure of the Profile21**
V.A. Papinyan
- Florocoenotic Complex of Caucasian Rhododendron (*Rhododendron caucasicum* Pall.) in High-Mountain Ecosystems on the Greater Caucasus and its Botanic -Geographical Diversity29**
Sh.K.Shetekauri, D.G. Chelidze
- Phosphorus Regime of Grey-Brown Soils of Absheron 38**
A.P. Alieva
- Tomato Crop Varieties and Peculiarities in Armenia46**
S.V. Karapetyan
- Some Aspects of Land Resources Degradation in Georgia due to Temporary Climate Change49**
LU. Shavliashvili, G.I. Kordzakhia, E.S. Eliszbarashvili, G.P. Kuchava
- Biological and Agrophytocenological Characteristics of the *Anabasis Aphylla* (Chenopodiacea) in the Conditions of Deserts of Azerbaijan 52**
F.G. Movsumova
- Local Ores of Georgia and Prospects of Their Use for Fertilization of Agricultural Crops57**
O.Y. Zardalishvili, T.T. Urushadze, M.O. Zardalishvili
- About Productivity of Alluvial Soils in Samegrelo (Georgia)62**
R.O. Lordkipanidze, N.G. Santeladze
- Sheet Diagnostics of Application of Compound Fertilizers of Tea Plantations 65**
I.T. Burchuladze, V.P. Tsanova, F.Sh. Chanukvadze
- Efficiency of Application of the Nitric Fertilizer Received on the Basis of Smoke Gas Emissions of the Power Enterprises Under Agricultural Crops 70**
M.C. Seyidov
- Influence of Organic and Mineral Fertilizers on Increase of Fertility of the Country Side Lands of Apsheron74**
S.X. Shukurov

AGROENGINEERING

- Rotary Type Internal Combustion Engine79**
G. G. Manasaryan
- Determination of Resistance Occurring in a Blender and Calculation of Strength84**
O.T. Akopyan
- The Dependence of Operational Indices of Machine-Tractor Aggregates (MTA) on the Location of Rectangular Plot on the Slope87**
S.X. Papyan, A.A. Akopyan, V.L. Badalyan

VETERINARY SCIENCE AND ANIMAL HUSBANDRY

- Characteristic Features of Permanent Teeth Placement and Nerve Supplying of a Caucasian Shepherd and a Jackal93**
A. G. Patieshvili, G. T. Ramishvili

Method of Isolation of Clostridia Recombinants of Escherichia from the Hearts of Dead Mice 100
J. V. Nachkebia, K.J. Nachkebia, E.J. Nachkebia

Methods of Correction of Energy Metabolism in Animals in Hypokinesia 104
A.G. Grigoryan

**DNA Methylation Levels in Commensal *Escherichia coli* Isolates From Gut
Microflora of Crohn's Disease Patients 109**
*L.A. Minasbekyan, M.G. Abovyan, M.A. Balayan, A.M. Manvelyan,
G.A. Gasparyan, A.G. Grigoryan, V. W. Tsaturyan, A.Z. Pepoyan*

Monitoring of Acclimatization of Holstein Breed of Cattle in Subtropical Zone of Western Georgia 113
L.A. Tortladze, T.G. Gabisonia, I.E. Antia, J.H. Javarashvili

Present Status of Buffalo Breeding in Georgia and its Development Prospects 120
G.I. Gogoli, G.J. Khatiashvili, G.I. Macharashvili, L. S. Tabatadze

TECHNOLOGY OF PROCESSING OF AGRICULTURAL PRODUCTS

Dynamics of Detoxification of Confidor and Topaz in Leaves and Fruit of Apricot 124
L.H. Atshemyan, V.S. Mirzoyan, R.M. Hanisyan

Characteristics of Stone Fruits Package in Polymeric Pelicles 128
E.G. Mailova

FORESTRY

Determining Carbon Stock in Forest Stands of Caucasian Pine and Oriental Spruce in Georgia 131
E.E. Nakaidze E.E., G.S. Vachnadze, Z.T. Tiginashvili, G.V. Tsereteli, D.G. Gigauri

New Data of Spreading European White Birch (*Betula pendula Roth*) in the Surroundings of Tbilisi 137
N.V. Eradze, N.J. Lachashvili. T.G. Nadiradze

ECONOMICS

The Problems Concerning the Corporative Ethic in Joint Stock Companies of the Republic of Armenia 140
A.A. Arshakyan, A. Azakharyan

The Theoretical Bases of State Regulation of Agrarian Sphere 145
M. E. Badalyan

**The Significance of the Main Financial Indicators of the Republic of Armenia in the
Regulation of Economic and Budgetary Processes 148**
A. G. Safaryan

Principles of Base Index Determination for Cadastral Valuation of Plough Lands 151
A.S. Ezekyan

Rental Income Formation and the Way of Its Determination for Land Estimation 154
A. S. Ezekyan

Accounting Issues of Biological Asses 158
A. G. Tshughuryan, G.B. Gevorkyan

The Problems of Expenditure Calculation of the Construction of Major Means of Private Use 161
M. B. Poghosyan

Ways of Improvement of Calculating of the Estimate Value of Construction Sites 164
M. B. Poghosyan

HISTORY OF SCIENCE

Bright Way in Science and Life (For the 100 Anniversary of prof. I.F. Sarishvili) 167
T.F. Urushadze, A.T. Tkheldidze

Guide for authors