## **CONTENTS**

Vol. 4, No. 4, 2006	
AGRONOMY AND AGROECOLOGY	
The Alpine Belt of the Greater Caucasus: the Complex Studies' Expierence E.A.Belonovskaya, D.A.Asoyan, V.N.Popova, M.M.Chernavskaya, E.A. Beryoza	9
The Alteration of Properties and Fertility of Soddy-podzolic Soil due to Long-term Complex Application of Agrochemical Means	15
V.G.Mineev, N.F.Gomonova, O.A.Amelyanchik	17
Agroecological State of Land Resources and Cooperation in Azerbaijan Republic R.M.Kuliyev	22
Root Striking of Apple Tree's Cloned Rootstock H.V.Hovhannisyan	25
Establishment of Optimum Parameters of Agricultural Technics for the Grade "Rkatsiteli" <i>T.I.Gabisonia</i>	27
Character of Contamination of Winter and Summer Grain Crops in Condition of Shua Kartli	
Z. R.Tkebuchava, H.R.Khomasuridze, N.G.Mumladze	30
The Features of the Irrigation Erosion and its Influence on the Soil Degradation $E.A.Gurbanov$	33
Results of Tomato Variety Experiments in the Condition of the Closed Soil S.A. Ghazaryan, G.H. Aslanyan	37
The Change of Biochemical Signs and Properties of Self-polinated Lines of Grain Compared with Original Varieties  O.A.Liparteliani, I.G.Saatashvili	39
Length of Pruning, Loading and Systems of Forming and their Influence on the Growth of Vines' Annual Terms Yu.Z.Barseghyan	41
AGROENGINEERING	
<b>Torsion of High-rise-panel Bilding under Horizontal Load</b> S.A.Daveyan	44
Character of Changing the Surface Layer of Strengthened Metal after Working on the Planer and Grunding Machine G.B.Bagdasaryan, S.A.Kochlikyan	47
Laws of Chance of Characteristics of Ameliorative Water Reservoirs at Possible Break of Dams	
E.G. Kukhalashvili, A.L. Sakhvadze, G.G. Omsarashvil	50
Investigation of Deformations of Earthen Canals Z.K.Lobzhanidze, K.G.Bziava	53
Foundation of Constructive Disposition of Groups of Crops Sowing-machines and Technologies of Sowing  G.S.Jamalov	58
To the Question of Specification of Durably Bound Water T.F.Urushadze, T.E.Katsarava	61

Substantiation of Bridge Aggregate Modem's Width R.E.Ramazashvili, N.S.Narimanidze, G.N.Narimanidze, N.I.Dvali	64
VETERINARY SCIENCE AND ANIMAL HUSBANDRY	
Local Gaots' Exterior  G.H. Giloyan, T.M.Melkonyan, S.S. Manvelayn	68
Laboratory Diagnostics of Bird Fever O.I. Bakhutashvili, T.K. Kurashvili, M.G. Kereselidze, A.T.Chulukhadze, M.I. Matskepladze	71
To the Questions of Epidemiology of Cattle Paramphistomidosis in Georgia Sh.O.Potskveria	75
Nonhemoglobinated Iron of Blood Serum  K.R.Korchilava	79
On Maintenance of Genetic Resources of Indigenous Agricultural Animals Sh.A.Lolashvili	84
Some Anatomic, Peculiarities of Rami Facial Nerve in Goat, Rabbits and Sheeps G.T.Ramishvili, N.G.Milashvili, V.M.Kvachrelishvili	86
Influence of Mikvit on Protein Composition of Blood Among Cows Diseased with Osteodystrophy  A.G.Ramishvili, T.G.Natidze	90
VPST-Polyvalent Phage Preparation against Purulent-inflammatory Pathologies of Animals Causing by E.coli, P.aeruginosa, Staphylococcus and Strephtococcus T.G. Gabisonia, L.G. Chanishvili, M.M. Nadiradze, N.K. Chakhunashvili, I.A. Makadze, K.A. Didebulidze, G.S. Melashvili, T.K. Kurashvili	92
Problems of Trichinosis in Georgia G.I.Sadaterashvili, I.F.Sadaterashvili	96
TECHNOLOGY OF PROCESSING OF AGRICULTURAL PRODUCTS  Stabilization of Mousy Wines's Wine Material  L.D. Khukhunaishvili, M.S.Natroshvili, L.A.Mujiri	102
FORESTRY	
Prevention of Erosive Processes in Mountain and Forest Ecosystems of Georgia R.G.Chagelishvili, O.I.Dvalishvili, N.G.Labadze	104
ECONOMICS	
Index of Economic Freedom H. Agajanyan	108
Assurance of Ecological Safety the Agricultural Sphere of the Republic of Armenia G. Z. Elbakyan, E. E. Sngryan, K. R. Karapetyan, G.G. Kolozyan	113
Country's Political and Economic Guidelines should be Compatible P.P.Koguashvili	115
Success of Brand A.S.Tovmasyan	119
	11)
A Statistical Model of Optimization of Economic T.R.Kvaratskhelia	121

HISTORY OF SCIENCE	
The Long, Difficult and Glorious Way in Science (For the 1000 Anniversary of	
Prof.S.V.Zonn)	105
L.O.Karpachevkii, A.P.Travleev, T.F.Urushadze	127
Urgent Problems of Soil Science in Light of Theoretical Works of I.A.Sokolov	
B.P.Gradusov	137
Scientist Agrichemist of a Wide Profile (For the 120 Anniversary of Prof. V.E. Vorontzov)	
B.A. Godziashvili	146
OBITUARY	
In memory of I.A. Sokolov (1932-2005)	
D.E.Koniushkov, T.V.Tursina	150
Editorial Explanation	154
Guide for Authors	156