

# CONTENTS

## Agricultural Engineering

R.A. Danielyan	Software Package for Determining the Capillary Adsorption Potential in Irrigated Lands	336
A.Sh. Eloyan, M.H. Barseghyan, S.H. Daveyan, T.A. Jhangiryan	Studying the Reclamation State of the Irrigated Meadow Brown Lands in Araksavan Community of Ararat Region	341
S.A. Miroyan	Efficiency of Drip Irrigation in Intensive Orchards	345

## Agricultural Economics and Agribusiness

V.S. Aleksanyan, G.H. Keshishyan, S.N. Shirokov, I.R. Trushkina	The Dynamics of Winter Wheat Production and Analysis of the Main Affecting Factors in the Regions of the RA in 1991-2020	349
A.H. Parsyan, S.H. Parsyan	Study and Development Trend of the Cigarette Market in the Republic of Armenia	356

## Agronomy and Agriecology

T.A. Gomktsyan, R.S. Shainova, M.V. Dovlatyan, A.P. Yengoyan	Synthesis of Potentially Bioactive Hydrazones of Pyrimidine and 1,3,5-Triazine	360
N.M. Grigoryan, V. S. Hovhannisyan, A.S. Gasparyan	Hymenopteran Parasitoids of Leaf Miners ( <i>Diptera: Agomyzidae</i> )	364
A.A. Manvelyan, M.H. Ghazaryan	Study of the Species Composition of Harmful Organisms in Akunk Educational Research Farm	370
G.S. Santrosyan, G.S. Gabrielyan, A.K. Muradyan, L.V. Hovhannisyan	The Study of Biological and Economic Characteristics of Some Imported Walnut Tree Varieties in Conditions of Piedmont Zone in Armenia	374
E.R. Stepanyan, A.L. Yepremyan, S.S. Simonyan	The Effect of Different Pruning Types on the Growth and Yield Capacity of Plum Varieties Fortune and Vengerka Domestica in Conditions of Armavir Community in Armavir Region	378

S.J. Tamoyan	Calculation of the Optimal Doses of the Ameliorant Neutralizing Heavy Metals in Anthropogenically Polluted Soils	382
E.A. Zakaryan, M.H. Galstyan, K.Sh. Sargsyan, E.F. Gevorgyan	Study of Eco-Touristic Services and Forest Rehabilitation Activities in the Context of Pandemic Covid-19 and Other Affecting Factors by the Example of Hrazdan Forest Farm	385

## **Veterinary Science and Animal Breeding**

M.V. Badalyan, Yu.G. Marmaryan, D.S. Navasardyan, S.A. Kharatyan	Genetic Characteristics of Multiparous Goats according to the Loci of Some Polymorphous Proteins in Blood and Milk	390
E.B. Balayan, A.E. Araksyants	Study of the Content of Somatic Cells in Cow's Milk in Armenia	395
Zh.S. Melkonyan, V.V. Khotsanyan, K.A. Sukiasyan, E.A. Nikoghosyan	Mastitis Incidence in First-Calf Heifers on the Small Farms of the Republic of Armenia	399
M.A. Sargsyan, H.S. Balasanyan, G.R. Tovmasyan	Salmonella Carrier State in Ostriches and Epizootological Situation in Ararat Region	403

## **Food Science and Technology**

A.L. Dashtoyan, E.B. Balayan, S.A. Mirzabekyan	The Effect of Liquid Smoke on the Quality of Uncooked Smoked Sausages	410
A.H. Gabrielyan, N.R. Simonyan, A.S. Gasparyan	Developing and Implementing Technology of Rosé Wine Production from the Grape Variety "Charentsi"	414
A.V. Ghazaryan, S.I. Sagradyan	Production of Functional Cookies and Quality Research	417
D.A. Pipoyan, M.R. Beglaryan, G.H. Tepanosyan, L.V. Sahakyan	Risk Assessment of Toxic Elements in Fruits and Vegetables Grown in Ararat Region, Armenia	421
N.V. Yavruyan, N.A. Avetisyan	Food Powder Manufacture from Grape Pomace and its Application as an Improver in the Macaroni Production	428