

CONTENTS

ANIMAL FEEDING AND NUTRITION

Alina Rodica Ani, Aurel Șara, Aurelian Barbu, Mihai Bețe Organic Selenium (Sel-Plex) and its Impact on the Indices of Growth, Consumption and Meat Quality of Carp (<i>Cyprinus Carpio</i>), the Galitian Variety	1
Mihai Bețe, Aurel Șara, Liviu Pantă, Liviu Clapa The Effects of Enzymatic Complex Allzyme SSF and Organic Selenium on Some Growth and Consumption Indices of Broiler Turkey	9
Radu Burlacu, Cosmin Nitu, Livia David Mathematical Model for the Calculation of Feed Allowances in Poultry Function of the Daily Weight Gain Quality	15
Larisa Caisin, Vasile Harea Using Probiotics in Young Pig Nutrition	20
Bohuslav Cermak, Jana Hnisová, Eva Petraskova, Miloslav Šoch, Jaromir Kadlec, Frantisek Lad, Bohuslav Vostoupal The Influence of the Different Levels of Crude Proteins in Feed Mixture for Pigs and Poultry and Biopolym Addition to Concentrate for Farm Building Microclimate	26
Olimpia Colibar, Gabriela Korodi, Daniel Popovici Influence of By-Products Obtained from Biofuels Industry on Productive Performances of Lambs	29
Olimpia Colibar, Daniel Popovici, Gabriela Korodi Aspects Regarding the Gross Chemical Composition and Fatty Acids Content of Some By-Products Obtained from the Biofuel Industry	32
Nicolae Corcionivoschi, Dan Drinceanu, Ioan Mircea Pop, Deirdre Stack, Lavinia Ștef, Călin Julean, Billy Bourke The Effect of Probiotics on Animal Health	35
Dan Drinceanu, Ioan Luca, Călin Julean, Lavinia Ștef, Alda Mihai, Eliza Simiz, Voichița Gherasim, Domnica Sofian Mineral Content of the Main Feed Ingredients Used in Poultry Biological Farms	42
Mărioara Drugă, Alexandra Trif, Mihai Drugă, Ducu Ștef, Ana Driha Aluminium Intake Impact on Broiler Chickens during a Production Cycle on Some Bioproductive Parameters	47
Mărioara Drugă, Alexandra Trif, Mihai Drugă, Ducu Ștef, Ștefan Munteanu Dietary Aluminium Intake Level for Rent Animals in a Primary and Secondary Aluminium Industry Surrounding Area	51
Dragos Sorin Fota, Dan Drinceanu, Lavinia Ștef, Iosif Gergen, Ersilia Alexa, Eliza Simiz, Izabella Baliga, Ioan Luca The Effects of Different Fat Sources on Bioproductive Performances and Essential Fatty Acids Composition in Broiler Breast	55
Erol-Florian Gabor, Aurel Șara, Aurelian Barbu The Effects of Some Phytoadditives on Growth, Health and Meat Quality on Different Species of Fish	61
Jana Hnisová, Eva Petrášková, Bohuslav Čermák, Miloslav Šoch, Bohuslav Vostoupal The Effect of Selected Stimulating Substances on Quality Components in Cow Milk	66
Vaclav Kubat, Frantisek Lad, Bohuslav Čermák Nutrient Parameters of Grass Silages	68
Monica Marin, Laura Urdes, Elena Pogurschi, Dumitru Dragotoiu Research Concerning the Influence of the Reducing Level of the Compound Feed on the Performances of the Pigs for Fattening	72
Marcel Mațiuți, Eugeniu Crainiceanu, Daniel Crainiceanu Adaptation of Fleckvieh Cows to Climates and Nutrition Conditions in the Western Part of Romania	76
Kamil Močár, Dávid Štofan, Mária Angelovičová, Daniela Liptaiová The Influence of Feed Mixtures with <i>Origanum Aetheroleum</i> on Broiler's Production in the Application of the Principles of Welfare	79

Florin Molnar, Aurel Șara, Alina Rodica Ani The Influence of Some Fodder Additives on Growth Indices and Survival Rate of Common Carp Juveniles (<i>Cyprinus Carpio L.</i>) and Grass Carp (<i>Ctenopharyngodon Idella L.</i>)	84
Monica Pârnu, Ioana Cristina Andronie, Violeta-Elena Simion, Carmen Bergheș, Adriana Amfim Feed Conversion Efficiency in Japanese Quail Egg Production Mathematical Assisted	88
Eva Petrášková, Jana Hnisová, Bohuslav Čermák, Miloslav Šoch, Bohuslav Vostoupal The Influence of Biopolym FTZ on the Content of Nitrogen Compounds in Rumen	91
Aurel Șara, Aurelian Barbu, Ani Alina, Mihai Bențea The Effects of some Additives (Bio-Mos and SelPlex) on the Bioproductive Indices and Meat Quality of brook trout (<i>Salvelinus fontinalis M.</i>)	94
Violeta-Elena Simion, Gheorghe Pârnu, Elena Potecea, Luiza Bădic, Monica Pârnu Alteration of some Biochemical and Haematological Parameters in the Dairy Cows due to the Intake of Mycotoxin Contaminated Feeds	100
Eliza Simiz, Călin Julean, Dan Drinceanu, Lavinia Ștef, Ileana Brudiu, Ioan Luca, Dominica Sofian, Alina Ioniță Bioproductive Effect of Different Microelement Levels Used to Feed Heavy-Breed Chicken, Bred Under Biological System	105
Lavinia Ștef, Gabi Dumitrescu, Dan Drinceanu, Ducu Ștef, Călin Julean, Nicolae Corcionivoschi, Cosmin Pandur, Ioana Sgura Impact of Wheat Non-Starch Polysaccharides on the Intestinal Wall and Microflora in Broilers	111
Lavinia Ștef, Dan Drinceanu, Dragos Fota, Ducu Ștef, Calin Julean, Eliza Simiz, Cosmin Pandur, Voichita Gherasim Evolution of Intestinal Viscosity in Broilers According to NSP Type and Levels in the Wheat-Based Forage Mixture	117
Ducu Sandu Ștef, Iosif Gergen, Lavinia Ștef, Monica Hărmănescu, Cecilia Pop, Mărioara Drugă, Gabriel Bujancă, Mirela Popa Determination of the Macro Elements Content of Some Medicinal Herbs	122
Ducu Sandu Ștef, Iosif Gergen, Teodor Ioan Trașcă, Monica Hărmănescu, Lavinia Ștef, Mărioara Drugă, Ramona Biron, Gabriel Hegheduș-Mîndru Screening of 33 Medicinal Plants for the Microelements Content	127
Adrian Toader-Williams, Aurel Șara Studies on the Edible Snails <i>Helix Aspersa</i> Muller Specific Growth in a Closed Environment	133
Adrian Toader-Williams, Mihai Bențea Comparative Study on the Adaptation and Development of <i>Helix Pomatia</i> and <i>Helix Aspersa</i> Muller in Intense Edible Snail Farming Conditions	143
Java Voříšková, Miroslav Maršálek, Bohuslav Čermák, Jana Zedníková, Milan Kobes Rearing of Meat Breed Calves in the System without Commercial Milk Production	151
Simona Zarcula, Horia Cernescu, Calin Mircu, Camelia Tulcan, Attila Morvay, Simona Baul, Daniel Popovici Influence of Breed, Parity and Food Intake on Chemical Composition of First Colostrum in Cow	154

ANIMAL REPRODUCTION AND GENETICS

Valeriu Carabă, Nicolae Păcală, Nicolae Corin, Ioan Bencsik, Bujor Avramescu, Ramona Untaru, Alexan Caraba, Alexandra Ivan The Influence of Cow Puerperal Infections Considering the Main Reproduction Indicators	158
Dorel Dronca, Nicolae Păcală, Ioan Bencsik, Teofil Oroian, Vasile Cighi, Mihaela Ivancia, Gabi Dumitrescu, Sorin Voia, Ada Cean, Liliana Boca Dynamics of the Wild Animals Populations for Hunting from Șarlota Aria, Forest District Timisoara, in 2005-2009 Period	161
Dorel Dronca, Nicolae Păcală, Ioan Bencsik, Marian Bura, Teofil Oroian, Vasile Cighi, Mihaela Ivancia, Gabi Dumitrescu, Adela Marcu, Daniela Goina, Ada Cean, Liliana Boca The Appreciation of the Special Combinative Capacity at Three Rabbit Populations from Timis County, for Corporal Mass of the Descendants at Birth	164
Ioana Hașegan, Alexandru Șonea, Alin Bîrțoiu, Liviu Vintilă, Alina Botea The Influence of the Culture Medium on <i>In Vitro</i> Meiotic Competence of Canine Oocytes	167
Iudith Ipate, Alexandru Bogdan, Gotfried Brem, Ianos Seregi, George Florea Toba, Marcel Paraschivescu, Amalia Strateanu, Mihai Enache, Mariana Sandu, Simona Ivana Research Regarding the New Biodiversity Indicators in Genetic Diversity of the Region -Country Hateg	170

Nicoleta Işfan, Dana Popa, Răzvan Popa, Carmen Nicolae, Monica Marin, Marius Maftעי The Genetic Determinism of Biochemical Systems Polymorphous From the Blood Serum in Pigs	177
Gabriela Korodi, Olimpia Colibar, Horia Cernescu, Vasile Ardelean, Gheorghe Bonca, Călin Mircu, Dan Popovici Study Regarding the Evolution with Age of Ultrasound Prostate Dimensions in German Shepherd Dogs	182
Adrian Marcu, Adela Marcu, Cornelia Vintilă, Dorel Dronca, Daniela Radu Studies Regarding Some Phenotype Parameters and the Evolution of Shepherd dog Breeds in Romania	185
Marcel Mafiuti, Alexandru T. Bogdan, Eugeniu Crainiceanu, Carmen Matiuti Research Regarding the Hybrids Resulted from the Domestic Pig and the Wild Boar	188
Vasile Miclea, Marius Zăhan, Vasile Rău, Alexandru Nagy, Ileana Miclea Reproductive Activity of Tsigai Sheep Belonging to the Hill and Mountain Ecotypes	192
Teofil Oroian, Rareş Oroian, Simona Paşcalău, Elvira Oroian, Dorel Dronca Aspects of the Genotype-Environment Interaction at the Japanese Quail (<i>Coturnix-Coturnix Japonica</i>)	195
Teofil Oroian, Rareş Gelu Oroian, Aurel Vlaic, Vasile Cighi Phenotypical Performances of Lipitzan Horse Breed Offsprings from Sambata de Jos and Beclean pe Somes Studs	199
Ioan Pădeanu, Călin Mircu, Ioan Bratu, Sorin Voia, Marinela Popovici, Dinu Gavojdian, Iulian Frăţilă Evolution of the Thyroid Hormones (T ₃ , T ₄) and Progesterone Levels in Ewes and Gimmers after the Insertion of Melatonin Implants	203
Snejana Petrovici, Alexandra Trif, Eugenia Dumitrescu, Florin Muselin, Milca Petrovici Potassium Dichromate Impact on some Biomarkers of Female Reproductive System Performances (Litter Size, Sex Ratio) and Physical Development (Vaginal Opening) in Rats (F ₂ Generation)	207
Snejana Petrovici, Alexandra Trif, Violeta Igna, Milca Petrovici, Camelia Tulcan Potassium Dichromate Impact on Sexual Cycle Duration and Regularity in Female Rats (F ₁ Generation)	211
Dana Popa, Razvan Popa, Cristiana Diaconescu, Carmen Nicolae, Livia Vidu, Marius Maftעי, Nicoleta Işfan Genetic parameters in a Swine Population	215
Razvan Alexandru Popa, Dana Popa, Carmen Nicolae, Livia Vidu, Monica Marin, Elena Pogurschi, Marius Maftעי, Nicoleta Işfan Analyze of Selection Difference, Selection Ratio and Selection Intensity in a Swine Pattern Line	218
Razvan Alexandru Popa, Dana Popa, Carmen Nicolae, Livia Vidu, Monica Marin, Elena Pogurschi, Marius Maftעי, Nicoleta Işfan Selection Parameters for Production Traits in a Duroc Population	221
Jelena Rankov, Alexandra Trif, Diana Brezovan, Florin Muselin Potassium Dichromate Impact on Male Reproductive Integrity Biomarker in Rat. Two Generation Study	224
Jelena Rankov, Alexandra Trif, Simona Steliac (marr. Munteanu) Testosterone and LH Seric Level Dynamics in Male Rats after Potassium Dichromate Intake (Two Generation Study)	230
Stelian Sertu, Maria Paraschivescu, Maria Voiculescu, Marinela Enculescu Considerations on the Present and Future of Buffalo in Terms of Sustainability	234
Alexandru Şonea, Liviu Vintila, Ioana Haşegan Diagnosis of the Dogs Prostatic Diseases	238
Alexandra Trif, Snejana Petrovici, Violeta Igna, Simona Steliac (mar. Munteanu), Milca Petrovici Potassium Dichromate (Cr VI) Impact on Fundamental Biomarkers of Reproductive Functionality in Female Rats (Six Months Exposure)	243
Alexandra Trif, Snejana Petrovici, Eugenia Dumitrescu, Florin Muselin, Milca Petrovici Potassium Dichromate Impact on some Biomarkers of Physiological Development (Vaginal Opening and Weight at Sexual Maturity) in Female Rats Related to Exposure Moment	247
Ramona Untaru, Robert Matthis, Nicolae Păcală Researches Regarding the Estrus Induction to Wean Sows, During the Summer Season, Using the Hormonal Products Maprelin XP10 and P.G. 600	251
Maria Voiculescu, Marinela Enculescu, Maria Paraschivescu, Stelian Sertu Frequency Weaning – Fertilization Interval in Large White Sows	255
Marius Maftעי, Popa Razvan, Popa Dana, Nistor Lucica, Nicolae Carmen, Pogurschi Elena, Vlad Iulian, Suler Andra Study about chest width average performances in Romanian Hucul horse breed – Goral bloodline	528
Marius Maftעי, Popa Razvan, Popa Dana, Nistor Lucica, Pogurschi Elena, Nicolae Carmen, Vlad Iulian, Suler Andra Study about chest width average performances in Romanian Hucul horse breed – Hroby bloodline	531

BIOTECHNOLOGIES

Ada Cean, Nicolae Păcală, Alexandra Boleman Fast Cryopreservation of the Mammalian Embryos in Different Developmental Stages by 0.25 mL Straws Vitrification with One Equilibration Step	261
Levente Czeglédi, Gabriella Gulyas, Andrea Radacsi, Szilvia Kusza, Janka Bekefi, Bela Beri, Andras Jav Two-Dimensional Polyacrylamide Gel Electrophoresis for Protein Separation of Animal Tissues	267
Monica Dragomirescu, Teodor Vintila, Gabriela Preda, Ana-Maria Luca, Veronica Croitoru Microbial Cellulases Immobilized in/on Porous Supports	271
Cornel Igna, Larisa Schuszler, Aurel Sala, Roxana Dascălu, Marius Sabău, Călin Luca Technological Stress Prevention to Nutria (<i>Myocastor coypus</i>)	275
Daniela Elena Ilie, Aurelia Sălăjeanu, Anuța Magdin, Radu Neamț, Ioan Vintilă Early Determination of Animals with Favorable Genes in Milk Production for Profitable Private Farms	279
Alexandra Ivan, Nicolae Păcală, Ada Cean, Florina Bojin, Valeriu Carabă Molecular Mechanisms Controlling the Early Mouse Embryo Development	283
Ileana Miclea, Andrea Hettig, Iulian Roman, Marius Zăhan, Vasile Miclea Exposure to α -Tocopherol, Lutein or Ascorbic Acid improve Cumulus Expansion, Viability and Maturation of Swine Oocytes	289
Tomáš Minarovič, Anna Trakovická, Alica Rafayová, Zuzana Lieskovská Animal Species Identification by PCR – RFLP of Cytochrome b	296
Daniela Moț, Ileana Nichita, Emil Tîrziu, Teodor Moț The Antibacterial Effect Assay of a Few Officinal Plants	300
Ivana Nováková, Miroslava Kačániová Identification of <i>Enterococcus</i> sp. in GIT of Broiler Chickens after Application of Biological Preparations	304
Ivana Nováková, Miroslava Kačániová, Henrieta Arpášová, Peter Haščík, Simona Kunová, Juraj Čuboň Antibiotic Resistance of Enterococci and Coliform Bacteria in Dairy Products from Commercial Farms	307
Letitia Oporean, Cornelia Nicoara, Ecaterina Lengyel Stimulation of Egg Production in Japanese Quails by Enriching Feed with Residual Yeast	310
Cornelia Nicoară Influence of the Addition of Riboflavin in Culture Medium on Delivering Biomass Using Yeast Strains of <i>Saccharomyces Carlsbergensis</i>	313
Nicolae Păcală, Nicolae Corin, Ioan Bencsik, Dorel Dronca, Ada Cean, Alexandra Boleman, Valeriu Carabă, Ștefan Papp Stimulation of the Reproductive Functions at Acyclic Cows by Ovsynch and PRID/ eCG	317
Iulian Roman, Vasile Miclea, Zăhan Marius, Paul Tăpăloagă, Hettig Andrea, Ileana Miclea, Rusu Alexandru, Ghiuru Florin Influence of in Vitro Maturation System of Swine Oocytes on Embryo Obtaining thru ICSI Technique	321
Dávid Štofán, Kamil Močár, Daniela Liptaiová, Mária Angelovičová, Miroslava Kačániová The Use of the Addition of Probiotics on the Production Growth and Health of Broilers	326
Emanuel Vamanu, Adrian Vamanu, Ovidiu Popa, Narcisa Băbeanu The Antioxidant Effect of a Functional Product Based on Probiotic Biomass, Pollen and Honey	331
Teodor Vintila, Veronica Croitoru, Monica Dragomirescu The Effects of Bioprocess Parameters on Cellulase Production with <i>Trichoderma viride</i> CMIT35	337
Teodor Vintila, Daniela Vintila, Dragos Nica, Monica Dragomirescu New Inoculants Containing Lactic Bacteria Applied in Forage Ensiling	341

FUNDAMENTAL SCIENCES IN ANIMAL HUSBANDRY

BIOCHEMISTRY, BIOPHYSICS, MATHEMATICS, INFORMATICS

Adrian Băneș, Manuela-Dora Orboi, Alin Monea, Mirela Monea Study regarding the knowledge on IT&C	346
Adrian Băneș Data about the Knowledge and Information Society in Romania	350

Otilia Bizerea-Spiridon, Gabriela Preda, Beatrice Vlad-Oros, Maria Vintilă Studies Regarding the Membranous Support of a Glucose Biosensor Based on Gox	354
Ileana Brudiu Confidence Levels in Statistical Analyses. Analysis of Variances. Case Study	358
Cosmin Nitu, Radu Burlacu, Livia David Principles of Mathematical Modeling Applied to Animal Science	362
Rodica Căpriță, Adrian Căpriță, Calin Julean Non-Starch Polysaccharides Biochemistry	368
Rodica Căpriță, Adrian Căpriță, Iuliana Crețescu Protein Solubility as Quality Index for Processed Soybean	375
Rodica Chereji, Rodica Căpriță, Iuliana Crețescu The Influence of Supplement Xylanase on the Rheology of Dough Concerning its Consistographical Parameters	379
Iuliana Crețescu, Rodica Căpriță, Dan Drinceanu, Constantin Mateescu, Rodica Chereji Yea-Sacc ¹⁰²⁶ Influence on Some Biophysical and Digestive Parameters of the Ruminant Fluid	383
Iuliana Crețescu, Liliana Carpinisan, Dan Drinceanu, Rodica Căpriță, Gabi Dumitrescu, Liliana Petculescu, Mihaela Petcu, Mihaela Badilita The Influence of Some Nutritional Factors and of Some Biophysical Parameters on the Ruminant Fluid Infusorians	386
Liviu Al. Mărghitaș, Otilia Bobiș, Melinda Tofalvi The Effect of Plant Supplements on the Development of Artificially Weaken Bee Families	402
Cristina Manuela Mihai, Liviu Al. Mărghitaș, Otilia Bobiș, Dan Dezmirean, Mircea Tămaș Estimation of Flavonoid Content in Propolis by Two Different Colorimetric Methods	407
Ileana Nichita, Adrian Marcu The Fungal Microbiota Isolated from Cats and Dogs	411
Ileana Nichita, Adela Marcu, Monica Seres, Emil Tirziu, Daniela Mot, Radu Valentin Gros Evaluation of Fungi Presence in the Air of Two Broiler Houses with Different Ventilation Systems	415
Lucica Nistor, Camelia Hodoșan, Gratiela Bahaciu, Daniela Ianițhi, Marius Maftei, Florența Vilău, Ioana Dușescu Quality Control of Canned Peas	419
Lucica Nistor, Camelia Hodoșan, Gratiela Bahaciu, Daniela Ianițhi, Marius Maftei, Florența Vilău, Ioana Dușescu Changes Arising from Conservation Peas	422
Letitia Stana, Alexandra Trif, Loredana Gabriela Stana, Snejana Petrovici, Corina Gravila Comparative Study of the Potassium Dichromate Effect on the Osmotic Resistance of Rat Erythrocyte Membrane	425
Răzvan Ștefan, Niculae Mihaela, Marina Spinu, Silvana Popescu Antibacterial effect of ZnO-B ₂ O ₃ Matrix Doped with Silver Ions on Gram Positive Bacteria Cultures	429
Răzvan Ștefan, Marina Spinu, Silvana Popescu, Georgeta Taralunga Vitreous System Ag ₂ O-ZnO-B ₂ O ₃ Action Against Gram Negative Bacteria	433
Igor Stojanov, Nada Plavša, Dragica Stojanović, Radomir Ratajac, Jasna Prodanov Radulović, Ivan Pušić, Miloš Kapetanov Sesceptibility of <i>Aeromonas Hydrophila</i> Isolates to Antimicrobial Drugs	437
Emil Tirziu, Ileana Nichita, Ciceronis Cumpanasoiu, Radu Valentin Gros, Monica Seres <i>Listeria monocytogenes</i> - Monographic Study	441

MORPHOLOGY AND PHYSIOLOGY

Carmen Berghes, Monica Parvu, Mircea Cucoanes, Daniel Cuca Clarifications Regarding the Topographical Location of the Vascular, Lymphatic and Nervous Formations from the Thorax Aperture in Dog	447
Carmen Berghes, Monica Parvu, Mircea Cucoanes, Daniel Cuca Anatomic Considerations on the Middle Ear in Dog	450
Flavia Bochiș, Ileana Brudiu Studies in the Relationship Between Some Morphological Characters and Jumping Parameters in Sport Horses (Part I - Vertical Fence)	453
Liliana Cărpinișan, Diana Brezovan, Adrian Mărginean, Alina Ghișe, Rodica Zehan The Degenerative Joint Disease – Morphological Aspects in the Wild Boar	460
Liliana Cărpinișan, Mihaela Doina Petcu, Snejana Petrovici, Codruța Chișe, Alina Ghișe,	

Rodica Zehan The Influence of Deuterium Depleted Water on the Hematocrit and the Leukocyte Formula in Rats Intoxicated With Chromium	464
Romeo Teodor Cristina, Ivo Schmerold, Eugenia Dumitrescu, Cristian Lăzărescu, Snejana Petrovici, Alina Netotea Study of Doxycycline Efficacy in Broilers' Colibacillosis	469
Romeo Teodor Cristina, Ivo Schmerold, Eugenia Dumitrescu, Diana Brezovan, Snejana Petrovici, Sorin Paidac Safety Study of Doxycycline in Broiler Chickens	474
Gabi Dumitrescu, Liliana Petculescu Ciochina, Sorin Voia, Dorel Dronca, Liliana Boca Evaluation of Octylphenol Effect on Development and Survival on Zebra Fish (<i>Danio Rerio</i>) During Different Ontogenic Period	479
Gabi Dumitrescu, Liliana Petculescu Ciochină, Sorin Voia, Dorel Dronca, Liliana Boca Histological Changes Induced in Gonads, Liver and Kidney of Zebra Fish (<i>Danio Rerio</i>) Under the Effect Octylphenol (OP)	484
Emilia Maria Furdui, Liviu Al. Mărghitaș, Daniel Dezmarean, Cristina Manuela Mihai, Otilia Bobiș, Ioan Pașca Comparative Study of Biological Characteristics of Larvae, Crude and Dried Cocoon in 7 Races of Silkworm <i>Bombyx mori</i> L., Raised in Transylvania Area	490
Alina Ghișe, Lucia Olariu, Liliana Cărpinișan, Rodica Zehan The Evolution of the Eggshell	494
Marioara Nicula, Marian Bura, Eliza Simiz, Ioan Banatean-Dunea, Silvia Patruica, Adela Marcu, Mihai Lunca, Zoltan Szelei Researches Concerning Reference Values Assessment of Serum Biochemical Parameters in some Fish Species from <i>Acipenseridae</i> , <i>Cyprinidae</i> , <i>Esocidae</i> and <i>Salmonidae</i> Family	498
Roxana Popescu, Doina Verdes, Marioara Nicoleta Filimon, Laura Smaranda Gotia Protective Effect of Silybin in Rats Liver Toxicity	506
Olga Rada, Horea Sărândan, Liliana Vasile, Diana Argherie Blood Sugar Values and Intestine Mucosa Integrity in Suckling Pigs in Relation to their Nutritional Status	511
Horea Sărândan, Dorica Botău, Iosif Ianculov, Florina Radu, Olga Rada, Doru Morar, Mihai Sărândan, Maria Șerb, Adela Anghel The Hypoglycemic Effect of <i>Momordica Charantia</i> Linn in Normal and Alloxan Induced Diabetic Rabbits	516
Miloslav Soch, Pavla Vydrova, Jan Broucek, Mihal Uhrincat, Jana Stastna, Peter Kisac, Bohuslav Cermak Effect of Selected Factors on Hematological and Trace Blood Traits of Cows	519
Miloslav Soch, Pavla Srejberova, Jan Broucek, Peter Kisac, Jana Stastna, Mihal Uhrincat, Bohuslav Cermak Evaluation of Hematological Parameters and Trace Elements in the Blood of Sheep	524