

Table of Contents

Volume 1

| | |
|--|-----|
| PREFACE..... | 6 |
| OPENING ADDRESS | 12 |
| THE ROLE OF ANIMAL HYGIENE IN HEALTHY ANIMAL PRODUCTION AND EQUIBLE RELATION ANIMALS AND ENVIRONMENT <i>Andrzej Krynski</i> | 13 |
| HERD-HEALTH MANAGEMENT AS A TOOL FOR IMPROVING HEALTH AND PRODUCTION OF LIVESTOCK..... | 16 |
| ANIMAL HEALTH, ANIMAL WELFARE, PRE-HARVEST FOOD SAFETY AND PROTECTING THE ENVIRONMENT AS KEY ELEMENTS OF ANIMAL PRODUCTION <i>Thomas Blaha</i> | 17 |
| THE HEALTH STATUS OF PIG POPULATIONS AS A COMPETITIVE FACTOR IN GLOBAL TRADE OF PORK AND PIGS <i>Zygmunt Pejsak</i> | 22 |
| GLOBAL AND NATIONAL THINKING ABOUT THE CATTLE PRODUCTION, DEVELOPMENT IN POLAND <i>Henryk Jasiorowski</i> | 30 |
| THE ROLE OF ANIMAL HYGIENE AND HEALTH MANAGEMENT IN PIG PRODUCTION <i>F. Madec</i> | 40 |
| THE ROLE OF ANIMAL HYGIENE AND ANIMAL HEALTH IN DAIRY OPERATIONS <i>Jos P. Noordhuizen, Ruurd Jorritsma*</i> | 49 |
| ENVIRONMENTAL PROTECTION AND PUBLIC HEALTH IN RESPECT TO ANIMAL HYGIENE | 58 |
| HYGIENIC ASPECTS OF RECYCLING OF ORGANIC RESIDUALS AND WASTES TO AGRICULTURE <i>Reinhard Böhm</i> | 59 |
| EU POLICY AND LEGISLATION ON RECYCLING OF ORGANIC WASTES TO AGRICULTURE <i>Adam Pawelczyk</i> | 64 |
| THE CONTRIBUTION OF THE EUROPEAN FOOD SAFETY AUTHORITY (EFSA) TO NORMATIVE WORK FOR SAFE RECYCLING OF ORGANIC WASTES UNDER PUBLIC HEALTH ASPECTS <i>Wolfgang Gelbmann, Bart Goossens</i> | 72 |
| RESPONSE OF THE FEED INDUSTRY ON THE REQUIREMENTS OF SAFE FEED AND FOOD PRODUCTION IN EUROPE <i>Martin J.M. Tielen*, Astrid Meesters#</i> | 76 |
| ECOSYSTEM HEALTH CONCEPTS AND PRACTICE FROM THE VETERINARY HYGIENE POINT OF VIEW <i>Val Beasley</i> | 81 |
| RISK DUE TO CHEMICAL CONTAMINATION OF THE ENVIRONMENT FOR FOOD HYGIENE AND VETERINARY PUBLIC HEALTH <i>Jacek Szczawinski</i> | 89 |
| EVALUATION OF ACTUAL STATUS OF SELENIUM AND MERCURY IN POLISH AGRO-SYSTEMS <i>Bogdan Debski, Marta Chudzicka-Popek *</i> | 95 |
| ANIMAL WELFARE AS AN INTEGRAL PART OF SUSTAINABLE ANIMAL PRODUCTION | 103 |
| SCIENTIFIC ADVICE TO THE EU POLICY ON ANIMAL WELFARE <i>Jordi Serratosa Vilageliu,</i> | 104 |
| INTEGRATION OF ANIMAL WELFARE IN THE FOOD QUALITY CHAIN: FROM PUBLIC CONCERN TO IMPROVED WELFARE AND TRANSPARENT QUALITY <i>Harry J. Blokhuis^{1*}, R. Bryan Jones², Rony Geers³, Mara Miele⁴, Isabelle Veissier⁵</i> | 112 |
| WELFARE CONDITIONS OF DAIRY COWS FROM THE POINT OF PERFORMANCE EFFICIENCY <i>Pavel Novák, Jitka Vokřálová, ¹Ivana Knížková, ¹Petr Kunc</i> | 118 |

ISAH 2005 - Warsaw, Poland
Vol 1

| | |
|---|-----|
| MANAGEMENT OF SMALL RUMINANTS IN EXTENSIVE AGICULTURAL AREAS FROM A WELFARE PERSPECTIVE | |
| <i>Pawel Gorski¹, Roman Niznikowski², Ewa Strzelec², Dominik Popielarczyk², Agnieszka Gajewska¹, Halina Wedrychowicz^{1,3}, Jaroslaw Groberek²</i> | 124 |
| ANIMAL WELFARE ASPECTS OF TRANSPORTING ANIMALS | |
| <i>Jörg Hartung</i> | 130 |
| HEALTH AND ENVIRONMENT IN CATTLE AND SMALL RUMINANT PRODUCTION | 136 |
| A REPORT ON THE CONSIDERABLE REDUCTION OF MILK TOTAL BACTERIAL COUNTS (TBC) IN A BROWN-SWISS DAIRY HERD | |
| <i>Abbas Abouyesani* , Hassan Borji , Mahmood Adibnishabari</i> | 137 |
| SPATIAL MICROCLIMATE VARIABILITY IN LARGE UNINSULATED COWSHED | |
| <i>Andres Aland¹, Imbi Veermäe¹, Aime Pajumägi², Väino Poikalainen¹, Jaan Praks¹</i> | 141 |
| EFFECTS OF MANAGEMENT FACTORS ON MILK PRODUCTION OF PRIMIPAROUS DAIRY COWS | |
| <i>Jan Broucek, Stefan Mihina, Peter Kisac, Michael Uhrincat, Anton Hanus, Vladimir Foltys, Frantisek Benc, Stefan Marencak</i> | 146 |
| CHARACTERISATION OF THE BIOLOGICAL ACTIVITY OF VIABLE YEAST ON THE BASIS OF OXYGEN CONSUMPTION IN THE RUMINAL FLUID | |
| <i>Endre Brydl¹, Viktor Jurkovich¹, Lászlo Könyves¹, Jozsef Kutasi²</i> | 151 |
| RESULTS IN DAIRY COW NUTRITION BASED ON AMINO ACID BALANCING IN HUNGARY | |
| <i>Endre Brydl¹, Hans-Georg Schulte², Winfried Heimbeck², Lászlo Könyves¹, Viktor Jurkovich¹, Lászlóné Tegzes¹, Andrea Barna³, János Bartyik⁴</i> | 155 |
| DELAYED AGE OF PUBERTY IN BUFFALO HEIFER | |
| <i>S.G. Hassan</i> | 159 |
| EFFECT OF DIFFERENT SACCHAROMYCES CEREVISIAE YEAST CULTURES ON RUMINAL FERMENTATION, METABOLIC STATUS, AND MILK PRODUCTION IN DAIRY COWS | |
| <i>L. Könyves¹, E. Brydl¹, V. Jurkovich¹, L. Tegzes¹, A. Tirián¹, J. Kutasi²</i> | 163 |
| ASSESSING TRACE ELEMENTS STATUS IN CATTLE HERDS: IMPLEMENTATION AND BENEFITS | |
| <i>Pascal Lebreton (*), Lionel Reisdorffer (*), Charles-Eric Descotes (*), Karine Troadec (*)</i> | 167 |
| ANIMAL-CENTRED INDICATORS OF DAIRY GOAT WELFARE | |
| <i>Mickaël Mazurek, Michel Marie, Didier Desor</i> | 171 |
| HEALTH AND PRODUCTION OF SHEEP EXPOSED TO TREATED WASTE WATER | |
| <i>Mohey A. Hassanain*; Wahid Mohamed**</i> | 175 |
| POSSIBILITIES OF AUTOMATIC ASSESSMENT OF COWS' WELFARE | |
| <i>Väino Poikalainen¹, Imbi Veermäe¹, Jaan Praks¹, Andres Aland¹, Eugen Kokin¹, Katrin Laikoja¹, Jukka Ahokas², Mikko Hautala²</i> | 180 |
| BOVINE PROTOTHECAL MASTITIS IS CAUSED BY A PATHOGENIC SUBSPECIES OF <i>PROTOTHECA ZOPFII</i> | |
| <i>Asja Möller, Uwe Truyen, Andreas Hensel, Uwe Rösler*</i> | 184 |
| EFFECT OF INBREEDING ON BIRTH AND WEANING WEIGHTS AND LAMB MORTALITY IN A FLOCK OF EGYPTIAN BARKI SHEEP | |
| <i>Samir Alsheikh</i> | 187 |
| CORRELATIONS BETWEEN SOME BIOLOGICAL CHARACTERISTICS OF <i>HAEMAPHYSALIS PUNCTATA</i> TICK IN NATURAL CONDITIONS | |
| <i>Lidia Chitimia, I. Cosoroaba, Gh. Darabus, M. Ilie</i> | 192 |
| BEHAVIOURAL OBSERVATIONS OF DIFFERENT BREEDS OF EWES IN POST-NATAL PERIOD | |
| <i>Danuta Sztynch¹, Marta Chudzicka-Popek^{2,2}</i> | 196 |
| INFECTION OF ALIMENTARY TRACT NEMATODES OF GOATS AND MILK QUALITY | |
| <i>Dace Keidāne, Edīte Birģele, Aija Ilģaģa, Arnis Mugurģviģs</i> | 200 |
| EVALUATION OF DIAGNOSTIC TESTS FOR THE EARLY DETECTION OF JOHNE'S DISEASE IN A DAIRY HERD IN URUGUAY | |
| <i>Suanes A¹, Nunez A¹, Piaggio J¹, de Freitas J¹, Zaffaroni R¹, Gil A¹</i> | 205 |
| SERO-PREVALENCE EVOLUTION OF INFECTIOUS BOVINE RINOTRAQUEITIS (IBR) AND BOVINE VIRAL DIARRHEA (BVD) IN DAIRY CATTLE POPULATION OF THE SOUTHERN REGION OF URUGUAY, BETWEEN 1998-2003. | |
| <i>de Freitas Joaquin</i> | 209 |
| MICROBIOLOGICAL METHOD FOR ASSESSING THE EFFICACY OF DISINFECTIONS TARGETING MYCOBACTERIA | |
| <i>M. Decun, Alina Nicola, Ileana Nichita, I. Tibru, G. Ontanu</i> | 215 |

| | |
|--|-----|
| THE FUNCTIONAL STATE OF THE STOMACH IN CALVES IN THE FIRST MONTH OF POSTNATAL LIFE | |
| <i>Edīte Birģele, Aija Ilgaža, Dace Keidāne, Arnis Mugurēvičs</i> | 219 |
| A RELATIONSHIP BETWEEN THE ACTIVITY AND NEFA-LEVEL OF POSTPARTUM DAIRY COWS. | |
| <i>Frank J. C. M. van Eerdenburg and Seye Adewuyi*</i> | 225 |
| HEAT STRESS IN DUTCH DAIRY CATTLE DURING SUMMER | |
| <i>Frank J.C.M. van Eerdenburg, Sacha J. Plekkenpol</i> | 229 |
| PARTIAL SUBSTITUTION OF ALFALFA HAY WITH GRASS HAY (SUDANGRASS, ELEPHANT GRASS) IN DIETS FOR LACTATING DAIRY CATTLE: DIGESTIVE FUNCTION. | |
| <i>*M. A. Gastelum¹, E. G. Alvarez², J. E. Guerra¹, J. L. Corrales¹, J. Moreno¹, M. Meza¹, L. E. Soto, R. A. Zinn³</i> | 233 |
| FACTORS AFFECTING SOMATIC CELL COUNTS (SCC) IN BRAZILIAN DAIRY COWS | |
| <i>Guilherme N. Souza⁽¹⁾, José R. F. Brito⁽¹⁾, Maria A. V. P. Brito⁽¹⁾, Elvino C. Moreira⁽²⁾, Marcos V. G. B. da Silva⁽¹⁾</i> | 237 |
| SOME MORE PRECISE DATA ON CLINICAL AND PATHOMORPHOLOGICAL CHARACTERISTIC OF BOVINE SETARIOSIS | |
| <i>Valery Golovko, Igor Shchetinsky</i> | 241 |
| NUTRITIONAL AND ENERGETIC CHARACTERIZATION OF BRACHIARIA BRIZANTHA AND CYNODON NLEMFUENSIS IN SINALOA, MEXICO | |
| <i>J. E. Guerra Liera¹*, L. E. Soto Angulo¹, J. L. Corrales Aguirre¹, J. Moreno Quiroz¹, J. Rodríguez García², M. A. Gastélum Delgado¹, A. E. Velderrain Figueroa², G. Coello Pérez¹</i> | 244 |
| DAIRY CATTLE TICK (<i>BOOPHILUS MICROPLUS</i>) CONTROL WITH <i>AZADIRACHTA INDICA</i> A. JUSS | |
| <i>J. E. Guerra Liera¹*, J. L. Corrales Aguirre¹, L. E. Soto Angulo¹, J. Moreno Quiroz¹, J. Rodríguez García², M. A. Gastélum Delgado¹, J. M. A. Silvas¹, M. Meza Salazar¹</i> | 248 |
| VITRIFICATION OF IMMATURE AND MATURE BUFFALO OOCYTES IN GLYCEROL SOLUTION BY A SIMPLE METHOD | |
| <i>Abdel Mohsen M. Hammam*, Khalied H. El-Shahat **</i> | 252 |
| ZINC AND COPPER CONCENTRATION IN MILK OF DAIRY COWS IN THE SOUTH BOHEMIA REGION | |
| <i>Božena Hosnedlová¹, Jan Trávníček¹, Vladislav Chrástný²</i> | 256 |
| EFFECT OF THE ADDITIVE INTAKE OF ZINC ON ITS CONTENT IN BLOOD PLASMA OF DAIRY COWS | |
| <i>Božena Hosnedlová, Miloslav Šoch, Jan Trávníček</i> | 260 |
| GOOD MANAGEMENT PRACTICES (GMP) IN BEEF CATTLE PRODUCTION IN URUGUAY. TRAINING AND EXTENSION. | |
| <i>Stella M. Huertas Canén¹; Deborah César³; Andres D, Gil²</i> | 264 |
| RE-CLASSIFICATION OF COLLECTED RAW MILK BASED ON SOMATIC CELL COUNT (SCC) AND TOTAL BACTERIAL COUNT (TBC) | |
| <i>Marek Eugeniusz Jurczak, Krzysztof Zdziarski</i> | 267 |
| RESISTANCE OF EARLY POSTNATAL LAMBS FROM FOUR GENETIC TYPES TO COLD ENVIRONMENT AND RAIN | |
| <i>Ivana Knížková, Gabriela Malá, Petr Kunc, Josef Knížek</i> | 271 |
| AFFECT OF BIRTH SEASON ON THE HOLSTEIN BREED CALVES' GROWTH AND DEVELOPMENT IN TERMS OF INTENSIVE REARING TECHNOLOGIES UNDER CONDITIONS OF STEPPE ZONE OF UKRAINE. | |
| <i>M.P. Vysokos, L.S. Korolenko, R.V. Milostivyy</i> | 274 |
| THE CONSIDER OF INFLUENCE OF MICROCLIMATIC CONDITION ON THE NUMBER OF OCCURRENCE OF DIARRHOEA IN CALVES | |
| <i>Petra Kroupová, Miloslav Šoch</i> | 277 |
| MICROCLIMATIC CONDITIONS IN WOODEN CALF HUTCHES AND TARPAULIN CALF HUTCHES | |
| <i>Petr Kunc, Ivana Knížková, Jitka Němečková, Josef Knížek</i> | 281 |
| THE INFLUENCE OF DIFFERENT MAINTENANCE AND EWE'S BODY WEIGHT ON OVULATION RATE AND LITTER BIRTH WEIGHT | |
| <i>Ewa Kuznicka, Witold Rant</i> | 284 |
| CHARACTERIZATION AND ANTIBIOTIC SUSCEPTIBILITY PATTERNS OF CATALASE-NEGATIVE GRAM-POSITIVE COCCI ISOLATED FROM BOVINE MASTITIS IN BRAZIL | |
| <i>E. Maricato¹, C.C. Lange², M.A.V.P. Brito², J.R.F. Brito^{2*}, M.M.O.P. Cerqueira¹</i> | 288 |
| SANITARY QUALITY OF GOAT MILK PRODUCED IN INTENSIVE SYSTEMS IN MEXICO | |
| <i>Margarita Fernández Pérez¹, José Ramiro González Montaña², Héctor Castillo Juárez¹, Francisco J. Fernández Perrino³ and Jorge A. Saltijeral Oaxaca¹</i> | 293 |

ISAH 2005 - Warsaw, Poland
Vol 1

| | |
|--|-----|
| EFFECT OF SANITATION AGENTS FROM THE ACQUASTEL [®] PROGRAMME ON UDDER HYGIENE <i>Željko Pavičić¹, Alenka Tofant¹, Marija Vučemilo¹, Tomislav Balenovic¹, Vesna Dobranic¹, Marijana Čiško².....</i> | 297 |
| THE INFLUENCE OF DIFFERENT FORMS BREED TECHNOLOGY OF CATTLE ON SELECTED PARAMETERS OF BLOOD <i>Lukáš Pisek, Miloslav Šoch, Pavel Novák, Petra Kroupová.....</i> | 300 |
| THE CHANGES OF FATTY ACIDS PROFILE IN ADIPOSE TISSUE OF SHEEP DEPENDING ON FEEDING PERIOD ANALYZED ON LIVE ANIMALS <i>Aurelia Radzik-Rant¹, Jaroslaw Kaba², Witold Rant¹.....</i> | 304 |
| IDENTIFICATION IN COWS PRESENTING SUBCLINICAL MASTITIS <i>Salvador Lagunas Bernabé¹, Valente Velázquez Ordoñez¹, Juan Carlos Vázquez Chagoyán¹, Jorge Saltijeral Oaxaca².....</i> | 308 |
| PROPHYLACTIC AND THERAPEUTIC VACCINATION AGAINST INFECTIOUS BOVINE RHINOTRACHEITIS <i>Fernando R. Spilki^{1,2,3*}, Alessandra D. Silva^{1,2}, Mauro Bronzatto^{1,2}, Paulo A. Esteves^{1,2}, Ana Cláudia Franco^{1,2}, Paulo M. Roehe^{1,2}.....</i> | 311 |
| THE BEHAVIOURAL OBSERVATIONS OF DIFFERENT BREEDS OF LAMBS IN POST-NATAL PERIOD <i>Danuta Szytych¹, Marta Chudzicka-Popek².....</i> | 316 |
| EFFECT OF DIFFERENT FLOORING SYSTEMS ON THE CLAW HORN GROWTH AND WEAR IN DAIRY COWS <i>E. Telezhenko^{*1}, C. Bergsten^{1,2}, M. Magnusson³, M. Ventorp³, J. Hultgren¹, C. Nilsson³.....</i> | 320 |
| EFFECT OF THE MISTRAL PREPARATION ON SOMATIC CELLS IN MILK COWS <i>Adam Traczykowski¹, Maron Saade², Sandie Fouquet², Herve Demais³, Otto Figuero⁴.....</i> | 324 |
| PRESENCE OF SELECTED NITROGEN COMPOUNDS IN COWS' BLOOD THROUGHOUT THE SEASONS OF THE YEAR <i>Adam Traczykowski.....</i> | 327 |
| HUMAN AND BOVINE <i>STAPHYLOCOCCUS AUREUS</i> BIOTYPES ASSOCIATED WITH HAEMOLISIN PRODUCTION AND RESISTANCE TO OXACILLIN IN COWS WITH SUBCLINICAL MASTITIS IN FAMILY DAIRY FARMS <i>Valente Velázquez Ordoñez¹; María Uxúa Alonso Fresán¹, Salvador Lagunas Bernabé¹, Martín Talavera Rojas¹, Jorge Saltijeral Oaxaca².....</i> | 330 |
| THE INCIDENCE OF MYCOTOXINS IN THE FODDER MEANT FOR THE ALIMENTATION OF MILCH COWS FROM THE ROMANIAN FAMILY FARMS <i>Simion Violeta-Elena.....</i> | 334 |
| <i>STAPHYLOCOCCUS AUREUS</i> METICILLIN RESITANT STRAIN (MRSA) MINIMUM INHIBITORY ENROFLOXACIN CONCENTRATION IN <i>STAPHYLOCOCCUS AUREUS</i> ISOLATIONS OBTAINED FROM COWS WITH SUBCLINICAL MASTITIS IN FAMILY DAIRY FARMS <i>Valente Velázquez Ordoñez, Salvador Lagunas Bernabé, Benjamin Gutiérrez G., Martín Talavera Rojas, Ma. Uxúa Alonso Fresán, Jorge Saltijeral Oaxaca.....</i> | 338 |
| HEALTH AND ENVIRONMENT IN PIG PRODUCTION..... | 342 |
| CONFIRMATORY DIAGNOSIS OF AFRICAN SWINE FEVER IN SOUTHERN NIGERIA BY IMMUNOBLOTTING ASSAY <i>Olugasa¹, B.O., Oluwayelu², D.O., Adewale³, G.A., Ayoade⁴, G.O., Ijagbone¹, I.F., Babalobi¹, O.O. Agbede¹, S.A.....</i> | 343 |
| EXPERIENCES WITH ERADICATION AND CONTROL OF <i>SARCOPTES SCABIEI</i> VAR. SUIS INFECTION IN GERMANY <i>F.-W. Busse.....</i> | 348 |
| REDUCTION OF <i>SALMONELLA</i> SHEDDING OF FINISHING PIGS WITH THE IMPLEMENTATION OF SANITARY MEASURES IN A FRENCH FARROW TO FINISH FARM <i>C. Fablet, Fravallo P., Robinault C., Jolly J.P., Eono F., Madec F.....</i> | 351 |
| DEVELOPMENT OF AN ALGORITHM FOR IN FIELD DETECTION OF PIG EPIDEMICS USING COUGH SIGNALS <i>Marcella Guarino, Annamaria Costa, Philippe Jans, Mitchell Silva, Jean-Marie Aerts, Daniel Berckmans</i> | 356 |
| INFLUENCE OF ADDING 0.5 OR 1% OF BENZOIC ACID TO THE FEED OF GROWING-FINISHING PIGS ON AMMONIA EMISSION AND PERFORMANCE <i>N. Guingand *(1), L. Demerson (2), J. Broz (2).....</i> | 360 |
| EFFECT OF DIFFERENT TYPES OF PROTEINS ON THE REPRODUCTION PERFORMANCES IN SOWS <i>Maria N. Kleisiari.....</i> | 364 |

ISAH 2005 - Warsaw, Poland
Vol 1

| | |
|---|-----|
| POSTWEANING MULTISYSTEMIC WASTING SYNDROME (PMWS) IN PIGS: AN UP-DATE WITH STILL QUESTIONS <i>F. Madec, N. Rose</i> | 367 |
| GASEOUS EMISSIONS IN THE RAISING OF FATTENING PIGS ON FULLY SLATTED-FLOOR OR ON STRAW-BASED DEEP LITTER <i>B. Nicks, F.-X. Philippe, M. Laitat, F. Farnir, B. Canart, M. Vandenheede</i> | 373 |
| USING SLAUGHTER CHECK AND MEAT INSPECTION DATA FOR EVALUATING PIG HERD HEALTH IN THE FRAMEWORK OF THE RISK – ORIENTATED MEAT INSPECTION <i>Andreas von Breitenbuch, Thomas Blaha</i> | 378 |
| RELATIONSHIP BETWEEN THE CONCENTRATION OF DIFFERENT AIR CONTAMINANTS AND THE HYGIENIC CONDITION IN TWO PIG FATTENING HOUSES <i>Bert-Andree Zucker, Hendrik Bonin, Wolfgang Müller</i> | 380 |
| GEOGRAPHIC MAPPING OF AFRICAN SWINE FEVER 2001-2 OUTBREAK IN SOUTHERN NIGERIA <i>Adewale¹, G.A and Olugasa², B.O.</i> | 383 |
| HEAT STRESS EFFECT IN PERHYB PIGS PRODUCTION <i>Cristina Dinu¹, Monica Pârvu², Ioana Andronie³</i> | 388 |
| EFFECT OF STRESS IN GILTS CAUSED BY FREQUENT CHANGES OF DIETS <i>Maria N. Kleisiari</i> | 392 |
| EXPERIMENT ON B-CAROTENE EFFECT IN SOW FERTILITY <i>Maria N. Kleisiari</i> | 396 |
| EFFECT OF GROUP ON AGONISTIC BEHAVIOUR OF WEANED PIGS <i>Jana Kottferová, Anton Hvozdk, Ol'ga Ondrašovičová, Miloslav Ondrašovič, Milada Vargová, Nad'a Sasáková</i> | 401 |
| FAECAL CALPROTECTIN: A NON INVASIVE MARKER OF INFLAMMATION IN PIGS? <i>Jean-Paul Lallès¹, Magne K. Fagerhol²</i> | 405 |
| INFLUENCE OF NATURAL CEOLYTES ON PRODUCTIVITY, MORPHOBIOCHEMICAL STATUS OF BLOOD AND PORK QUALITY <i>Leonid Momot, Prof. Nicolay Cherny, Elena Silinska</i> | 409 |
| EFFECTS OF DIFFERENT HOUSING CONDITIONS ON PIG PRODUCTIVITY <i>Ž. Pavičic, T. Balenovic, D. Barač</i> | 413 |
| EFFECTS OF ACCOMMODATION CHANGE ON REPRODUCTION EFFICENCY IN BOARS <i>Željko Pavičic¹, Franjo Markovic², Tomislav Balenovic, Tomislav Dobranic¹</i> | 417 |
| AUTHORS INDEX..... | 421 |