

Contents

PREWEANING CALF HEALTH: AREAS FOR INTERVENTION TO REDUCE MORBIDITY AND MORTALITY	7	MASTITIS EPIDEMIOLOGY – WHOLE GENOME SEQUENCING OF STREPTOCOCCUS AGALACTIAE IN CATTLE WITH MASTITIS IN AUSTRIAN DAIRY HERDS	43
RETROSPECTIVE ON OUR RESEARCH ON IMMUNE COMPLEXES IN DAIRY CALVES BRONCHOPNEUMONIA	8	INFLUENCE OF DISODIUM PHOSPHATE SUPPLEMENTATION IN LACTATING DAIRY COWS IN THE PERINATAL PERIOD	44
POSSIBLE FACTORS ASSOCIATED WITH AN EXCELLENT TRANSFER OF PASSIVE IMMUNITY IN CALVES: THE REALITY IN DIFFERENT EUROPEAN FARMS	9	THE ROLE OF SELENIUM IN THE BODY OF RUMINANTS AND THE EFFECTS OF SELENIUM DEFICIENCY. SELENITE TRIGLYCERIDES AS A SOURCE OF SELENIUM	45
RISK FACTORS FOR OMPHALITIS IN NEONATAL DAIRY CALVES	10	SAFETY TEST OF A PROBIOTIC PREPARATION AGAINST METRITIS IN DAIRY COWS	46
LESION DEPTH ON THORACIC ULTRASOUND IN RELATION TO ISOLATED PATHOGENS FROM BRONCHOALVEOLAR LAVAGE FLUID IN CALVES	11	SUBACUTE RUMINAL ACIDOSIS (SARA) - POSSIBILITIES OF DIAGNOSIS, TREATMENT AND PREVENTION	47
WHAT CAN THE CONCENTRATION OF A -TOCOPHEROL IN ERYTHROCYTES OF CALVES INDICATE TO US?	12	WHAT CHARACTERIZES CONTRACTILITY OF THE EARLY POSTPARTUM UTERUS AND HOW CAN IT BE STIMULATED IN DAIRY COWS?	50
BOVINE MASTITIS, WHAT'S NEW?	13	PREGNANCY EVALUATION WITH A POINT-OF-CARE PREGNANCY TEST IN DAIRY CATTLE	54
MONITORING OF MILK CONDUCTIVITY AND SOMATIC CELL COUNT IN A HERD WITH HIGH MASTITIS RISK	16	RELATIONSHIP OF CLINICAL EXAMINATION AND ANTIBIOTIC USE IN CATTLE	55
SELECTIVE DRY COW THERAPY – A POTENTIAL FOR REDUCTION OF ANTIMICROBIAL CONSUMPTION ON CZECH FARM DURING A TWO-YEAR STUDY	17	RELATIONSHIPS BETWEEN FECAL NUTRIENT CONTENT AND MILK COMPOSITION OF DAIRY COWS IN DIFFERENT LACTATION PERIODS	57
EFFECT OF TIMING OF MILK SAMPLING ON THE RESULTS OF THE BACTERIOLOGICAL AND CYTOLOGICAL MILK EXAMINATION IN HOLSTEIN FRISIAN COWS	18	ANALYSIS OF DAILY ACTIVITIES OF HERD MANAGERS ON DAIRY FARMS IN EASTERN GERMANY AND INTERRELATIONS WITH THE ANIMAL PRODUCTION AND HEALTH SITUATION	58
THE DAIRY COW TRANSGENERATIONAL METABOLIC DISEASE COMPLEX	19	EVALUATION OF THE METABOLIC RELATIONSHIP BETWEEN COWS AND CALVES BY MONITORING CALF HEALTH AND COW AUTOMATIC MILKING SYSTEM AND METABOLIC PARAMETERS	59
THE EFFECTS OF DIFFERENT STARCH LEVEL STARTERS WITH OR WITHOUT AMYLASE ON PERFORMANCE AND HEALTH PARAMETERS IN CALVES	20	UTILIZATION OF DATA FROM PRECISION LIVESTOCK FARMING TECHNOLOGIES BY PRACTICING VETERINARIANS AND FARMER EXPECTATIONS OF THE VETERINARIANS' ROLE	60
CAN HYPERKETONAEMIA AFFECT HEPATIC GENES EXPRESSION AND FATTY INFILTRATION BEFORE KETOSIS IS DIAGNOSED?	21	PREVALENCE OF COXIELLA BURNETII IN DAIRY CATTLE AND FARM WORKERS AND ASSOCIATED BOVINE REPRODUCTIVE DISORDERS IN THE CENTRAL EUROPEAN REGION	61
MONITORING OF BLOOD IONISED CA CONCENTRATIONS IN POSTPARTURIENT DAIRY COWS	22	PREVALANCE OF ANAPLASMOSIS IN DAIRY CATTLE FARMS IN THE EUROPEAN REGION OF TURKEY: THRACE	63
EVALUATION OF BIOCHEMICAL PARAMETERS OF BEEF CATTLE SUFFERING NATURAL UREA POISONING	23	CHARACTERIZING THE BLOOD MICROBIOME IN BEEF CALVES WITH AND WITHOUT SIGNS OF SEPTICEMIA	64
PRACTICAL APPROACH TO NEUROLOGICAL DISEASES IN CATTLE	24	SURGERY OF THE FOOT IN RUMINANTS	65
CHIARI MALFORMATION TYPE II IN CATTLE: NOVEL INSIGHTS INTO THE GENETIC CAUSES	26	BILATERAL MANDIBULAR FRACTURE IN A FATTENING BULL- DIAGNOSIS, TREATMENT, AND OUTCOME	67
RECENT POSSIBILITIES FOR DIAGNOSING EARLY PREGNANCY AND EMBRYONIC MORTALITY IN DAIRY COWS	27	POST-OPERATIVE SURVIVAL IN CATTLE WITH COLIC SIGNS AND DIFFERENTIATION UPON ADMISSION BETWEEN MESENTERIC TORSION AND INTUSSUSCEPTION.	68
HEAT STRESS IN DAIRY COWS: ASSOCIATIONS BETWEEN TEMPERATURE-HUMIDITY INDEX IN THE BARN ENVIRONMENT AND RUMINATION ACTIVITY	31	HEALING PROCESS OF CLAW DISEASES IN DAIRY COWS WITH DIFFERENT GAT TESTING	69
INNOVATIVE METHODS TO TRACKING DAIRY COWS' RUMINATION, EATING, AND LOCOMOTION BEHAVIOR DURING HEAT STRESS	32	DEVELOPMENT OF A PROTOCOL FOR HISTOLOGICAL ASSESSMENT OF THE SEBACEOUS GLAND IN CATTLE WITH AND WITHOUT DIGITAL DERMATITIS	70
PREDICTION OF CLINICAL MASTITIS IN DAIRY COWS WITH THE HELP OF INNOVATIVE TECHNOLOGIES	33	DUODENAL VOLVULUS OF THE SIGMOID FLEXURE IN COWS. A RETROSPECTIVE STUDY OF FIVE CASES	71
EFFECT OF THE TOLL-LIKE RECEPTOR 7/8 LIGAND RESIQUIMOD (R848) ON FRESH BOVINE SPERM MOTILITY CHARACTERISTICS. PRELIMINARY RESULTS	34	SUMMARY OF MOST FREQUENT HOOF PROBLEMS IN OUR PRACTICE IN THE CZECH REPUBLIC IN 2023	72
PHENOTYPIC CHARACTERIZATION OF BETA-HEMOLYTIC STREPTOCOCCI ASSOCIATED WITH BOVINE MASTITIS IN AUSTRIA	35	EFFECT OF HEAT DURING THE FIRST WEEKS OF LIFE IN HOLSTEIN REARING CALVES ON HEALTH, GROWTH, REPRODUCTION AND METABOLIC PARAMETERS	74
THE EFFECT OF REPEATED PARENTHETAL APPLICATION OF VITAMIN E AND SELENIUM ON THE SELECTED LABORATORY PARAMETERS TO CALVES OF HOLSTEIN BREED	36	EFFECT OF IMPROVING BARN COOLING ON BEHAVIOR AND PRODUCTION OF DAIRY COWS	75
CASE SERIES OF OBSTRUCTIVE UROLITHIASIS IN SMALL RUMINANTS	37	THE IMPACT OF HOUSING CONDITIONS, MICROCLIMATE, NUTRITION TECHNOLOGY, AND STRESS ON THE PREVALENCE OF RESPIRATORY DISEASE IN CALVES	76
EFFECT OF QUERCETIN AND CROCIN SUPPLEMENTATION ON POST-THAW BOVINE SPERM QUALITY	38	LONG-TERM MONITORING OF ENVIRONMENTAL RISK FACTORS OF BOVINE RESPIRATORY DISEASE COMPLEX IN DIFFERENT DAIRY CALF REARING CONDITIONS	77
THE EFFECT OF DIETARY TANNINS AND ALGAE SUPPLEMENTATION ON RUMEN FERMENTATION AND ENTERIC METHANE PRODUCTION	39	THE EFFECT OF AN EXPERIMENTAL HERBAL-PHAGE PREPARATION ON CHOSEN IMMUNOLOGICAL AND WELFARE PARAMETERS IN DAIRY COWS	78
TOTAL MICROBIAL REDUCTION AS A RESULT OF IRRADIATION BY UVC-LIGHT IN TWO OPERATING ROOMS FOR RUMINANTS	40	THE COW: A MAJOR CONTRIBUTOR TO CLIMATE CHANGE?	79
CHANGES IN MILK YIELD AND RUMINATION, EATING LOCOMOTION BEHAVIOR IN COWS WITH SUBCLINICAL KETOSIS	41		
CHANGES OF BIOCHEMICAL AND HEMATOLOGICAL PARAMETERS IN CLINICAL AND SUBCLINICAL KETOSIS IN HIGH-PRODUCING DAIRY COWS	42		

IS THE CLINICAL EXAMINATION STILL NEEDED IN MODERN CATTLE HUSBANDRY?	80	REGIONS OF GERMANY: RATION INDICATORS AND FEEDING MANAGEMENT	110
EPIDERMOLYSIS BULLOSA IN A GOAT LAMB - A SUSPICIOUS CASE	81	POSTER 23: ESTIMATION OF NEGATIVE ENERGY BALANCE USING MILK COMPONENTS WITH RECEIVER OPERATING CHARACTERISTIC (ROC) ANALYSIS	111
SOUTH AMERICAN CAMELIDS IN AUSTRIA – PRELIMINARY RESULTS OF A SURVEY AMONG OWNERS	82	POSTER 24: MILK FATTY ACIDS AS POTENTIAL BIOMARKERS OF NEGATIVE ENERGY BALANCE IN EARLY-LACTATION DAIRY COWS	112
PROGNOSTIC INDICATORS FOR BOVINE PYELONEPHRITIS: A RETROSPECTIVE STUDY ON 146 CASES IN A REFERRAL HOSPITAL (2005-2022)	83	POSTER 25: CHANGES IN CHOSEN IMMUNOLOGICAL AND HEALTH PARAMETERS IN CALVES BORN BY LAME DAIRY COWS	113
APPARENT PREVALENCE OF NEOSPORA CANINUM IN BOVINE FOETUSES AS DETERMINED BY THREE DIAGNOSTICS TESTS – PRELIMINARY FINDINGS.	84	POSTER 26: PROTEIN PROFILE IN DAIRY COWS WITH LEFT DISPLACEMENT ABOMASUM	114
RISK FACTORS ASSOCIATED WITH BACTEREMIA IN 340 CRITICALLY ILL CALVES	85	POSTER 27: PEROXIDE OXIDATION OF STRUCTURAL LIPIDS OF BLOOD COMPONENTS IN DYSPEPSIA OF NEWBORN CALVES AND AFTER TREATMENT WITH ENTEROSORBENT	115
THE SUCCESS OF PARATUBERCULOSIS CONTROLL PROGRAMMES OVER FOUR YEARS IN HUNGARIAN LARGE-SCALE DAIRY HERDS	86	POSTER 28: CULTIVATION TESTS FOR RAPID DETECTION OF MASTITIS IN DAIRY COW'S PRACTICE	116
POSTER 1: THE DEPENDENCE OF THE QUANTITY AND QUALITY OF MILK ON THE BHB CONCENTRATION IN THE BLOOD	89	POSTER 29: EVALUATION OF QUALITY OF COLOSTRUM IN DIFFERENT SIZED DAIRY FARMS	117
POSTER 2: EVALUATING THE METABOLIC STATUS OF DAIRY COWS BY UTILISING THE REGISTERED MILK FAT-TO-PROTEIN RATIO IN REAL-TIME	90	POSTER 30: USE OF THE METABOLIC PROFILE IN SHEEP	118
POSTER 3: ANALYSIS OF BIOMARKER SPECIFICITY FOR EARLY DIAGNOSIS AND TREATMENT EFFICACY EVALUATION IN COW SUBCLINICAL MASTITIS	91	POSTER 31: TEACHING CLINICAL REASONING IN THE HEALTH CARE OF RUMINANTS	119
POSTER 4: ASSESSMENT OF UREA AND BHB CONCENTRATIONS IN MILK AND BLOOD OF WHITE SHORT HAIR ED GOATS DURING THE POSTPARTUM PERIOD	92	POSTER 32: CASE REPORT: THREE HOLSTEIN CALVES WITH BRACHYGNATHIA INFERIOR AND GENUA VARA OF LONG BONES	120
POSTER 5: DEVELOPMENT OF A NOVEL BIOSECURITY AUDIT TOOL, BIOSCORE, FOR USE BY DAIRY FARMERS	93	POSTER 33: HOLSTEIN HEIFERS' PERFORMANCE UP TO FIRST PREGNANCY: IS IT AFFECTED BY LIFETIME FACTORS?	121
POSTER 6: IS INFECTION BY ANAPLASMA PHAGOCYTOPHILUM (TICK-BORNE FEVER) ASSOCIATED WITH CO-MORBIDITIES?	94	POSTER 34: EFFECTS OF EXTENDER AND COOLING RATE ON CLASSICAL POST-THAW SEMEN PARAMETERS IN EJACULATES FROM WAGYU AND ANGUS BULLS OBTAINED BY ELECTROEJACULATION	122
POSTER 7: A SURVEY OF FARMERS' KNOWLEDGE OF JOHNE'S DISEASE AND THEIR OPINIONS OF THE IRISH JOHNE'S CONTROL PROGRAMME (IJCP)	95	POSTER 35: SKELETAL FORM OF WHITE MUSCLE DISEASE IN A GOAT KID – A CASE STUDY	123
POSTER 8: BOVINE CONGENITAL DEFECTS RECORDED BY VETERINARY PRACTITIONERS USING A NEW APP	96	POSTER 36: HAEMATOLOGICAL DIAGNOSTICS IN AN ANAEMIC AND A NON ANAEMIC GOAT WITH DIFFERENT METHODS	124
POSTER 9: A SURVEY OF THE BIOSECURITY STATUS OF DAIRY FARMS INCLUDED IN TWO NATIONAL TARGETED ADVISORY SERVICES ON ANIMAL HEALTH (TASAH) PROGRAMMES	97	POSTER 37: CHANGES IN THE DISTRIBUTION OF BLOOD SERUM PROTEINS IN A CATTLE AFTER SURGICAL REPAIR OF ABDOMINAL HERNIA: A CASE REPORT	125
POSTER 10: THE HEALTH AND MANAGEMENT OF TRANSITION COWS IN PASTURE-BASED DAIRY HERDS: A FARMERS' SURVEY	98	POSTER 38: SURGICAL INTERVENTION OF PENILE URETHRAL DIVERTICULUM IN CROSSBREED GOAT KID: A CASE REPORT	126
POSTER 11: INTESTINAL ATRESIA IN CATTLE – A GENETIC BASIS	99	POSTER 39: EFFECTS OF LUPINE MEAL ON THE GROWTH PERFORMANCE, REPRODUCTIVE DEVELOPMENT, AND SEMINAL PLASMA BIOCHEMICAL PROFILES OF FLECKVIEH BULL CATTLE	127
POSTER 12: POLISH DAIRY FARMERS' CALF MANAGEMENT PRACTICES	100	POSTER 40: INFLUENZA D VIRUS IN VEAL CALF SYSTEMS: PREVALENCE, EVOLUTION OF INFECTION AND PATHOGENICITY	128
POSTER 13: DO CLINIC AND FARM VETERINARIANS DIFFER IN THEIR APPROACHES TO THE CALVING PROCESS A TURKISH QUESTIONNAIRE STUDY	101	POSTER 41: BREEDING SOUNDNESS EVALUATION WITH FOCUSING ON PENIS EXAMINATION IN BULL + CASE REPORT	129
POSTER 14: A NEW DISEASE OF DAIRY CALVES - SUMMER SCOUR SYNDROME – CASE DEFINITION AND HISTOPATHOLOGICAL LESIONS	102	POSTER 42: SYSTEM FOR VOLUNTARY EVALUATION OF DAIRY FARMS ACCORDING TO THE QUALITY OF ANTIMICROBIAL USE IN COWS, TARGETED TREATMENT OF MASTITIS, AND UDDER HEALTH	130
POSTER 15: DETERMINATION OF ANION-CATION DIFFERENCES IN FORAGES FED TO DAIRY COWS DURING DRY PERIOD	103	POSTER 43: BLOOD HEMOGLOBIN VALUES IN VEAL CALVES IN RELATION TO DEVELOPMENT OF RESPIRATORY TRACT DISEASE	131
POSTER 16: IMPACT OF ANTI-METHANOGENIC FEED SUPPLEMENT ON RUMEN FERMENTATION AND ENTERIC METHANE PRODUCTION	104	POSTER 44: THE EFFECT OF MELATONIN APPLICATION ON GROWTH PERFORMANCE IN SAANEN KIDS	132
POSTER 17: HOW ACCURATELY CAN FETAL MORPHOMETRY ESTIMATE GESTATIONAL AGE IN BOVINE ABORTED AND STILLBORN FETUSES?	105	POSTER 45: IMMUNOCONTRACEPTIVE EFFECT OF IMPROVAC VACCINE ON PREPUBERTAL BUCK SEXUAL ACTIVITY	133
POSTER 18: CURRENT RECOMMENDATIONS BY VETERINARIANS ON COCCIDIOSIS FROM THE ANIMAL HEALTH IRELAND PARASITE CONTROL PROGRAMME	106	POSTER 46: IMPROVING SARA DETECTION IN FEEDLOT FARMS: EVALUATING COMPUTERIZED RUMEN COLORIMETRY IN SLAUGHTERED CATTLE	134
POSTER 19: COMPARISON OF TWO SOMATIC CELL COUNTING ANALYSERS IN COWS' MILK	107	POSTER 47: BENCHMARKING THE ANNUAL INCIDENCE OF THE MOST COMMON DISEASES OF DAIRY COWS IN THE CZECH REPUBLIC	135
POSTER 20: UTERINE BACTERIOLOGICAL FINDINGS IN COWS WITH CLINICAL ENDOMETRITIS ASSOCIATED WITH MUCOPURULENT AND PURULENT VAGINAL DISCHARGE	108	POSTER 48: COWS WITH DIVERGENT BTA18-HAPLOTYPES AFTER INTRAMAMMARY CHALLENGE	126
POSTER 21: THE USE OF ANAESTHETICS IN LLAMAS AND ALPACAS	109	POSTER 49: HEAT STRESS INDUCED CORTISOL INCREMENT IS INDEPENDENT OF BODY TEMPERATURE CONTROL IN HIGH-YIELDING DAIRY COWS UNDER A COOLING SYSTEM	137