



CONTENTS

(based on prevalent subjects)

Breeding, genetics and reproduction

- Effect of Duroc gene proportions on growth performance and on carcass and meat quality characteristics in heavy pigs 17
- Hemoglobin phenotypes in Murgese horse (short communication) 159
- Effects of herd origin, AI stud and sire identification on genetic evaluation of Holstein Friesian bulls 265

Ruminant nutrition, production, growth and development

- Effect of maize, rumen-protected fat and whey permeate on energy utilisation and milk fat composition in lactating goats 43
- Olive oil calcium soaps and rumen protected methionine in the diet of lactating ewes: effect on milk quality 55
- Quality of Italian Istrian milk lamb meat. Influence of carcass weight and feeding system 65
- The influence of lactation on the quantity and quality of cashmere production 79
- Growth performance, behaviour, forestomach development and meat quality of veal calves provided with barley grain or ground wheat straw for welfare purpose 113
- Precision in the measurement of dairy feed fractions based on particle size (short communication) 143
- Production performance of dairy cows after the dietary addition of clinoptilolite 187
- Health disorders and their association with production and functional traits in Holstein Friesian cows 197
- Field bean (*Vicia faba var. minor*) as a protein feed for growing lambs with and without protected lysine and methionine supplementation 229
- Trans and conjugated fatty acids in milks from cows and goats consuming pasture or receiving vegetable oils or seeds (review article) 243
- Effect of type and level of supplement on performance of dairy cows grazing on alpine pasture 255
- The effect of lactating dairy ewes diet supplementation with ALIMET (liquid methionine) on milk yield and milk composition (short communication) 301

Non-ruminant nutrition, production, growth and development

- Influence of long-term nutrition with different dietary fats on fatty acid composition of heavy pigs backfat 7
- Effect of Duroc gene proportions on growth performance and on carcass and meat quality characteristics in heavy pigs 17
- The effects of pressed sugar beet pulp silage (PBPS) and dairy whey on heavy pig production 25
- Sodium butyrate improves growth performance of weaned piglets during the first period after weaning 35
- Effect of pre-weaning solid feed and milk intake on caecal content characteristics and performance of rabbits around weaning 95



CONTENTS

- The effects of clinoptilolite on piglet and heavy pig production 103
- Productivity of Cinta Senese and Large White x Cinta Senese pigs reared outdoor on woodlands and indoor. 1.Growth and somatic development 171
- Growth parameters in European sea bass (*Dicentrarchus labrax L.*): effects of live weight and water temperature 181
- Use of clinoptilolite in piglet diet as a substitute of Colistine 275
- Growth of Cinta Senese piglet as affected by location of the suckled teat 281
- Performance and behaviour of chickens with different growing rate reared according to the organic system 291

Feed science, by-products and feed technology

- The effects of pressed sugar beet pulp silage (PBPS) and dairy whey on heavy pig production 25
- Precision in the measurement of dairy feed fractions based on particle size (short communication) 143

Behaviour, welfare and management

- Growth performance, behaviour, forestomach development and meat quality of veal calves provided with barley grain or ground wheat straw for welfare purpose 113
- Productivity of Cinta Senese and Large White x Cinta Senese pigs reared outdoor on woodlands and indoor. 1.Growth and somatic development 171
- Effects of graded noise levels on behavior, physiology and production performance of intensively managed lambs 217
- Growth of Cinta Senese piglet as affected by location of the suckled teat 281
- Performance and behaviour of chickens with different growing rate reared according to the organic system 291

Hygiene and health

- The effects of clinoptilolite on piglet and heavy pig production 103
- Growth parameters in European sea bass (*Dicentrarchus labrax L.*): effects of live weight and water temperature 181
- Health disorders and their association with production and functional traits in Holstein Friesian cows 197
- Ozonized autohemotherapy, a new method to treat dairy cow acute interdigital phlegmon. Comparison with ceftiofur and oxytetracycline 211
- Use of clinoptilolite in piglet diet as a substitute of Colistine 275

Meat science and technology

- Influence of long-term nutrition with different dietary fats on fatty acid composition of heavy pigs backfat 7



CONTENTS

- Effect of Duroc gene proportions on growth performance and on carcass and meat quality characteristics in heavy pigs 17
- The effects of pressed sugar beet pulp silage (PBPS) and dairy whey on heavy pig production 25
- Quality of Italian Istrian milk lamb meat. Influence of carcass weight and feeding system 65
- The effects of clinoptilolite on piglet and heavy pig production 103
- Growth performance, behaviour, forestomach development and meat quality of veal calves provided with barley grain or ground wheat straw for welfare purpose 113
- High resolution nuclear magnetic resonance spectroscopy (NMR) studies on meat components: potentialities and prospects (short communication) 151

Dairy science and technology

- Effect of maize, rumen-protected fat and whey permeate on energy utilisation and milk fat composition in lactating goats 43
- Olive oil calcium soaps and rumen protected methionine in the diet of lactating ewes: effect on milk quality 55
- Basal levels and diurnal variations of some hormones and metabolites in blood of dairy cows treated daily with rbST in early and late lactation 127
- Precision in the measurement of dairy feed fractions based on particle size (short communication) 143
- Production performance of dairy cows after the dietary addition of clinoptilolite 187
- Trans and conjugated fatty acids in milks from cows and goats consuming pasture or receiving vegetable oils or seeds (review article) 243
- Effect of type and level of supplement on performance of dairy cows grazing on alpine pasture 255
- Effects of herd origin, AI stud and sire identification on genetic evaluation of Holstein Friesian bulls 265
- The effect of lactating dairy ewes diet supplementation with ALIMET (liquid methionine) on milk yield and milk composition (short communication) 301

Physiology

- The influence of lactation on the quantity and quality of cashmere production 79
- Basal levels and diurnal variations of some hormones and metabolites in blood of dairy cows treated daily with rbST in early and late lactation 127
- Effects of graded noise levels on behavior, physiology and production performance of intensively managed lambs 217