## Asian-Australasian Journal of Animal Sciences

March 1999

Volume 12, Number 2

## Contents

ANI	IMAL BREEDING AND GENETICS	
20.	Dairy Potential of Pabna Cows and Crossbreds with Sahiwal and Friesian and Within-	
	and Between-Breed Sire Effects / M. A. Hoque, M. R. Amin and M. S. Hussen	161
21.	Contact Sensitivity to Dinitrochlorobenzene as a Marker Trait in the Indirect Selection for	
	Body Mange and Coccidiosis Resistance in Broiler Rabbits / P. Nandakumar and M. Thomas	165
ANI	IMAL REPRODUCTION AND PHYSIOLOGY	
22.	Effect of Exogenous Fatty Acids on in vitro Development of Rat Embryos / M.A.M.	
	Yahia Khandoker and H. Tsujii ·····	169
23.	Effects of Chronic Inflammation on Energy Metabolism and Growth Performance in Weanling	
	Piglets / H. K. Moon, In K. Han, J. L. Gentry, H. K. Parmentier and J. W. Schrama	174
24.	Impacts of Host Immunization on the Translocation of Intestinal Bacteria and Growth Performance	
	in Weanling Piglets / H. K. Moon, In K. Han, J. L. Gentry, H. K. Parmentier and J. W. Schrama	180
RUI	MINANT NUTRITION AND FORAGE UTILIZATION	
25.	Effect of Sugar-Beet Pulp Supplementation on Fiber Degradation of Grass Hay in the	
	Rumen of Goats / Y. Masuda, S. Kondo, M. Shimojo and I. Goto	186
26.	Serum and CSF Mineral Profile of Himalayan Yak (Bos grunniens) in their Natural	
	Habitat / S. P. Singh, N. Kumar, K. B. Sharma and R. Kumar ·····	189
NOI	N-RUMINANT NUTRITION AND FEED PROCESSING	
27.	Effects of Feeding Egg Yolk Prepared from Quails Fed Winged Bean Oil on Plasma	
	and Liver Cholesterol and Fatty Acid Composition of Rats / R. Mutia and S. Uchida ···	192
28.	The Effect of Calcium Level on Microbial Phytase Activity and Nutrient Balance in Swine	
	/ Defa Li, X. R. Che, Y. Q. Wang, S. Y. Qiao, H. Cao, W. Johnson and P. Thacker	197
29.	Effects of Microbial Phytase Supplementation to Diets with Low Non-Phytate Phosphorus	
	Levels on the Performance and Bioavailability of Nutrients in Laying Hens / J. S. Um,	
	I. K. Paik, M. B. Chang and B. H. Lee ·····	203

Estimation and Digestibility of Herbage / C. Wattanachant, I. Dahlan, A. R. Alimon a	
M. A. Rajion ·····	209
1. Environmental Conditions and Resource Management in Smallholder Dairy Farms in Thaila I. Production Systems and Management of Resources / P. Skunmun, J. Boonsom, S. Kaewst and C. Chantalakhana	uwan
2. Environmental Conditions and Resource Management in Smallholder Dairy Farms in Thaila II. Effects of Dairy Wastes on Water and Soil / C. Chantalakhana, R. Korpraditsa P. Skunmun and T. Poondusit	and Akul,
EVIEW PAPERS	
3. The Pros and Cons of SEW System / C. V. Maxwell and K. S. Sohn ······	226
4. Sanitation and Tissue Residue Problems in High Quality Pork / M. H. Lee and P. D. K	
5. PSE (pale, soft, exudative) Pork: The Causes and Solutions / Y. B. Lee and Y. I. Ch	•
6. Application of HACCP System in the Pork Industry in Korea / M. S. Chung	253
7. The Effects of Genetic and Nutritional Factors on Pork Quality / M. Ellis, F. K. McKer and K. D. Miller	
8. Feeding Strategies to Produce High Quality Pork / P. Bosi	
A. den Hartog and H. J. P. M. Vos	
0. The Role of Vitamins and Minerals in the Production of High Quality Pork / D. C. Maha	
and Y. Y. Kim	
1. Waste Management for Hog Farms / I. F. Svoboda and A. Jones ······	
2. New Technologies in Low Pollution Swine Diets: Diet Manipulation and Use of Synthetics	
Amino Acids, Phytase and Phase Feeding for Reduction of Nitrogen and Phosphorus Excret	
and Ammonia Emission / Nico P. Lenis and Age W. Jongbloed	
※ Papers (#33~42) were presented at Session 2 (Feeding Strategies, Environment	•
and Pork Quality) of Pre-Conference Symposium 1 entitled "Recent Advances in a	the Produtio
of High Quality Pork" of the 8th World Conference on Animal Production which	was held o
June 28, 1998 in Seoul, Korea. Editors for the Session 2 were <b>Professor P.</b>	Bosi (Ital)
and Y. I. Choi (Korea).	