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# PROGRAM

**Thursday, 26 October**

8:00-9:00	<b>Registration</b> at the Centrair Hall	
9:00-9:30	<b>Opening Ceremony</b>	
<b>Session I-1 chaired by Takumi Shinkai (Japan) and Mengzhi Wang (China)</b>		page
Invited talk IS1 9:30-10:10	Rumen microbiome analysis in relation to feed conversion efficiency Christopher S. McSweeney (Australia)	1
O1 10:10-10:25	Comparison of milk performance and rumen microbial population between Holstein and Jersey cows during dry and milking periods <u>S. Cha</u> , H. Park, J. Kim, H. Chun and J. Chang (Korea)	14
O2 10:25-10:40	Effects of different dietary energy and protein restriction on growth performance, structural and physiological properties of rumen and microbial diversity of weaned lambs <u>K. Cui</u> , M. Qi, B. Si, Y. Tu, Q. Diao, T. Ma and N. Zhang (China)	15
10:40-11:05	<b>Coffee Break</b>	
O3 11:05-11:20	Use of cellulose acetate as a feed additive candidate for ruminants <u>Y. Watabe</u> , T. Imagawa, S. Koike, Y. Suzuki, S. Shimamoto and Y. Kobayashi (Japan)	17
O4 11:20-11:35	Effects of cold stress and glycerol supplementation on growth performance and rumen characteristics in Korean cattle steers <u>H.J. Kang</u> , M.Y. Piao, S.J. Park, D. Jeong, S.Y. Kim, N.S. Weon, H.J. Kim and M. Baik (Korea)	18
O5 11:35-11:50	Effects of interactions between dietary crude protein and gallic acid on rumen fermentation and nitrogen metabolism in beef cattle <u>Y. Bao</u> , K. Zhou and G. Zhao (China)	19
<b>Session I-2 chaired by Myunggi Baik (Korea) and Jiakun Wang (China)</b>		
O6 11:50-12:05	Effects of interactions between dietary crude protein and tannic acid on rumen fermentation and nitrogen metabolism in beef cattle <u>K. Zhou</u> , Y. Bao and G. Zhao (China)	20
O7 12:05-12:20	Effects of ensiling methods for by-product forages and grain sources on digestion and urea metabolism in sheep <u>H.L. Dang</u> , T. Obitsu and T. Sugino (Japan)	21
O8 12:20-12:35	Development of holistic feed library of CNCPS based nutritional models <u>S. Jeon</u> , S. Park, K. Ki, K. Sohn and S. Seo (Korea)	23

O9 12:35-12:50	Effects of unsaturation of long-chain fatty acids on protozoal community structure and bacterial recycling due to protozoa engulfment of goat rumen <u>Y.J. Jing</u> , M.Z. Wang, J. Gao and Y. Pi (China)	25
13:00-14:10	<b>Lunch</b> (COSMOS at the Centrair Hotel)	
Invited talk IS2 14:10-14:50	Methane matters, in animals and man Mark Morrison (Australia)	2
<b>Session I-3 chaired by Shengyong Mao (China) and Naoki Fukuma (Japan)</b>		
O10 14:50-15:05	Mitigation of methane emission from feces and slurry of Holstein cattle by applying ginkgo fruit: <i>in vitro</i> study <u>R. Shintani</u> , S. Oh, Y. Suzuki, S. Koike and Y. Kobayashi (Japan)	26
O11 15:05-15:20	Effects of honeysuckle extracts of different dose on rumen fermentation and methane emission <u>I.D. Lee</u> , S.J. Lee, S.K. Lee, J.-S. Eun and S.S. Lee (Korea)	27
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O13 16:35-16:50	<i>In vitro</i> study of phloroglucinol supplementation on rumen fermentation, methanogenesis, and methanogen population <u>K.A. Sarwono</u> , A. Jayanegara, T. Ban-Tokuda, M. Kondo and H. Matsui (Japan)	30
O14 16:50-17:05	Effects of dietary addition of 2-nitro-1-propanol on <i>in vitro</i> ruminal fermentation and methane production of a grain-rich feed <u>Z.-W. Zhang</u> and H.-J. Yang (China)	31
O15 17:05-17:20	Dried persimmon by-product as a potential feed source for ruminants <u>T.D. Marbun</u> , J. Song, J. Kang, J.W. Park, J.H. Park, S.M. Lee, J.H. Lee and E.J. Kim (Korea)	33
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O16 9:40-9:55	Isolation and identification of rumen anaerobic fungi from Hanwoo J. Kim, H. Park, H.S. Chun and J. Chang (Korea)	34
O17 9:55-10:10	Utilization of saccharides by non-fibrolytic ruminal bacteria constituting a fibrolytic consortium Y. Murazumi, H. Taketa, N. Fukuma, S. Koike, Y. Inamura, M. Yamano, T. Aizawa, Y. Suzuki and Y. Kobayashi (Japan)	35
O18 10:10-10:25	Comparison of microbial population and diversity between whole rumen fluid and rumen fluid containing anaerobic media of Korean cattle cow S.W. Na, I.H. Kwon, C. Mendez, R.I. Mackie, International Rumen Microbiology Workshop Participants, and M. Baik (Korea)	36
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O21 11:20-11:35	Influence of trehalose feeding on fecal microbiota in preweaned calves H. Miura, S. Koike, K. Mukai, Y. Suzuki and Y. Kobayashi (Japan)	41
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