



TECHNICAL SESSION ■ Special Session by FAO

NUTRIENT USE EFFICIENCY IN ANIMAL FOOD CHAINS

Monday, 6 December 2010 ■ Hall D, Room 293 (Second Floor)



Time: 14:00 – 15:30

Chairperson: Dr. R.M. Acharya

*Former Deputy Director General
Indian Council of Agricultural Research
New Delhi*

Time: 16:00 – 18:00

Chairperson: Dr. M.L. Madan

*Former Deputy Director General
Indian Council of Agricultural Research
New Delhi*

14:00 NITROGEN USE EFFICIENCY IN ANIMAL FOOD CHAINS

Mark J. Powell¹, Pierre Gerber² and Carolyn Opio²

¹ *USDA Agricultural Research Service,
US Dairy Forage Research Center,
Madison, Wisconsin USA*

² *Animal Production and Health Division,
Food and Agriculture Organization of the
United Nations, Rome, Italy*

14:30 NITROGEN FLOWS AND EMISSIONS FROM PIG PRODUCTION IN CHINA

Fanghao Wang, Lin Ma, Zhengxia Dou, Wenqi Ma, Fusuo Zhang

*College of Resources and Environmental
Sciences, China Agricultural University
Beijing, China*

14:45 UTILIZATION OF NITROGEN BY INTENSIVE PORTUGUESE PIG FARMS AND THE INTERCEPTION WITH THE WATER CYCLE – A FIELD STUDY

Luis Ferreira

*Instituto Superior de Agronomia
Department de Quimica Agricola e Ambiental
Lisboa, Portugal*

15:00 NITROGEN USE EFFICIENCY IN POULTRY

A.B. Mandal

*Central Avian Research Institute
Izatnagar, India*

15:15 REDUCING UNCERTAINTY IN THE ESTIMATION OF NITROGEN BUDGETS AND FLOWS FOR AFRICAN LIVESTOCK SYSTEMS

M.C. Rufino and M. Herrero

*Sustainable Livestock Futures
International Livestock Research Institute
Nairobi, Kenya*

16:00 ENHANCING FOOD SECURITY AND ENVIRONMENT PROTECTION THROUGH IMPROVING NITROGEN-USE EFFICIENCY IN ANIMAL FOOD CHAINS

Harinder Makkar¹ and Gerhard Flachowsky²

¹ *Animal Production and Health Division,
Food and Agriculture Organization of the
United Nations, Rome, Italy*

² *Federal Research Institute for
Animal Health (FLI), Braunschweig, Germany*

16:30 IMPORTANCE OF FEED ADDITIVES ON THE NITROGEN EMISSIONS IN THE ENVIRONMENT

M. Binder¹, L. Letutour², P. Becquet³, D. Jans⁴

¹ *Evonik Degussa GmbH, Hanau, Germany*

² *Ajinomoto Eurolysine, Paris, France*

³ *DSM Nutritional Products Europe, Switzerland*

⁴ *FEFANA, Brussels, Belgium*

16:45 NITROGEN IN CROP-LIVESTOCK SYSTEM: IMPACTS ON SUSTAINABLE PRODUCTION BY RUMINANT LIVESTOCK

Ashok K. Pattanaik and Kusumakar Sharma

*Division of Animal Nutrition
Indian Veterinary Research Institute
Izatnagar, India*

17:00 INCREASING THE EFFICIENCY OF DIETARY N UTILIZATION IN RUMINANTS THROUGH BYPASS PROTEIN TECHNOLOGY

T.K. Walli

*Chief Technical Advisor, Poshak Agrivet, Karnal,
Haryana, India*

17:15 FOUR POSTER PRESENTERS TO GIVE SALIENT FINDINGS – 3 POWER POINT SLIDES AND 3 MINUTES EACH

17:30 GENERAL DISCUSSION