

Optimizing Feed Formulation for the Best Return on Investment

17 OCTOBER 2018

Seminar Room A - Inside Hall A1 (Ground Floor)

🕒 10:30~11:15



Using enzyme technology to increase the feeding value of alternative feed ingredients

Rob Patterson

*Technical Director,
Canadian Bio Systems*

► **Synopsis:**

Incorporation of alternative ingredients such as wheat bran, rice bran and various plant protein sources into swine and poultry diets is becoming ever more popular as a way of reducing feeding costs. However, swine and poultry species are sensitive to dietary fiber levels and thus, alternative ingredients which tend to possess high levels of dietary fibre, tend to be limited within a ration, in order to prevent digestive disturbances. Strategies by which alternative ingredients can be best utilized through the use of novel enzyme technologies will be reviewed and summarized in this presentation.

🕒 11:15~12:00



Microbiota - The key to managing intestinal health

Hwan Jeong

*Regional Poultry Technical
Sales Manager,
Biomini Singapore*

► **Synopsis:**

The intestinal health is a fundamental one that determines the productivity in poultry production. It should be maintained to fully utilize dietary nutrient and to enable the expression of the full genetic potential. This presentation introduces the way to make healthy intestinal system, especially focusing on the intestinal system development and the natural defensive system. The natural defensive system means the structure that the birds are gifted to protect their intestinal health against many environmental challenges. Among the natural defensive system, the microbiota play the most important role in cooperation with all other structures. The practical way to develop and maintain the healthy microbiota will be also discussed.

🕒 13:30~14:15



Safety Solution - Sustainable Livestock Industry

Dr. Nguyen Kim Loan

International Nutrition

► **Synopsis:**

The more and more difficulties livestock industry is, people find more solutions to create higher quality products, more profits, demand of domestic & export market are higher than before. Livestock industry standards: biosecurity, no banned substances, minimize antibiotic, improve animal health, good performance, maximum profit. International Nutrition – A Leading US manufacturer, produce essential nutritional supplements for animals according to GMP, Safe Feed Safe Food, ISO 9001, FDA Approve. We are honored to service customers around the world.

14:15~15:00



Development of a microflora chip to determine microbiota changes in chickens

Dr Alexandre Peron

Regional Technology Application Lead, Provimi Southeast Asia

►Synopsis:

A microflora chip was developed to relate microflora composition to performance of chickens. Relationships were found between microflora and performance, both in research trials and in comparisons in the field between good and less good performing flocks. Trials were performed to determine effects of raw materials and a number of feed additives on microbiota, and differences were found between raw materials and feed additives. Also, intervention studies were performed to see if a change in feed composition resulted in changes in microbiota; it appeared that changes in microbiota composition were dependent on the raw materials and additives that were changed; a difference from corn to wheat resulted in other changes in microbiota than a change from wheat to corn. The information about how microbiota can be changed by raw materials and feed additives can help to reduce the use of antibiotics in chickens.

15:00~15:45



Application of state-of-the-art premix manufacture and intensive chicken technology to improve native chicken production

Mr. Patrick Garland

Senior Poultry Nutritionist, ISN

►Synopsis:

ISN represents the product portfolio of many of the AB Agri companies, all part of the largest animal feed and technology business in the UK. The paper will demonstrate how AB Agri operate in the global market and apply their specialist knowledge in the unique premix manufacture process they have developed. There is significant scope to apply global research in intensive chicken and egg production which can be adapted and applied to improve the economics of local chicken based businesses. How this can be delivered by ISN will be described.

15:45~16:45



AGROW PLANET PTE LTD

The solution to farmer's problems: More income from higher Livestock Production and Quality and The Prevention of Diseases

Mr. Simon Lim

CEO, Agrow Planet

►Synopsis:

The presentation is to address and provide solution to 3 key problems in Livestock and poultry breeding:

1. How to have higher production in weight gain and better quality produce in meat, milk and eggs
2. How to treat foul smell and disposal of livestock wastes
3. Prevention of diseases in livestock and poultry breeding

Program updated as of 30 September 2018. The organizer reserved the right to change the program and speakers in the best of interest of the seminar.

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🕒 09:45~10:30



Provimi's digital nutrition - Giving you the insights that matter

M.Sc Kitima Jindamongkon

*Regional Technology Application Lead,
Provimi Southeast Asia*

► **Synopsis:**

Whether you're a feed mill or animal producer, having precise nutritional data is crucial to help you meet your production goals and grow your business. When it comes to precise nutrition for better results, Provimi gives you the insights that matter, whether it's optimizing feed at the lowest cost or having predictability in meeting specific production goals. The information about how to tap into the world's largest nutrient database that gives you greater insights into feed quality. Beside, from purchasing raw material, to manufacturing, and formulation, how we help you to enable better results with precise nutrition information.

🕒 10:30~11:15



Revisiting probiotics in shrimp aquaculture: how does it work and what are the benefits?

Anwar Hasan

*Regional Technical Manager - Aqua,
Biomim*

► **Synopsis:**

Probiotics have widely been applied in shrimp aquaculture, both in intensive and traditional farming systems, playing an important role in successful production. Intensive shrimp farming produces large amounts of organic waste compounds. Oxidation of these compounds facilitates the formation of toxic metabolites (H₂S, NH₃, NO₂-), causing deterioration in water quality. Certain probiotic strains act as biological control agents in pond culture (bioremediation), with ability to degrade specific organic waste compounds accumulated in the pond. It has been shown that well-defined probiotic strains are able to reduce pathogenic bacteria which cause disease outbreaks. Probiotics also strengthen the shrimp gut, thereby enhancing performance and production efficiency. The different probiotic strains applied in shrimp farming have unique modes of action, varying requirements, and separate niches in the ecosystem. Successful probiotic application depends on a clear understanding of these strains, their function, concentration and the management system adopted. This presentation describes the detailed mode of action of different probiotic species, and its practical use as a beneficial tool in shrimp farming.

11:15~12:00



Bang Young Bae

*Specialist of microorganisms field,
Bionatural Technologies Co., Ltd.*

Synopsis:

▶Bionatural Technologies is a biotechnology company specialized in fermentation supplying excellent fermentation products to the market based on decades of accumulated technology and know-how. Through research and development, our company has launched bio-friendly products for humans and the environment such as Bionat A and Bionat L. Both of them are microbial feed additives composed of edible microorganisms, which has an great effect on enhancing the immunity system, increasing body weight, removing bad smells. In particular, Bionat A focusses on serving in aquaculture and Bionat L is a product for livestock and poultry industry. Bionatural Technologies sincerely hope to build up a reliable relationship with customers around the world, and finally, we can get win-win situation through providing a quick and efficient service with products that developed from our innovative biological science.

13:30~14:15



| FUNKI |

Costsavings in pig production with precise feeding technology

Frank Andreasen

*Sales Manager,
ACO FUNKI A/S*

Synopsis:

▶Around 70% of the production cost per pig is due to feed. Many will have challenges to switch to the right recipes or amount at the right time. And many have problems with high feedwaste due to poor feeding systems or wrong feed hoppers and dispensers. Choosing the right feeding system and feeding principle is crucial to save production cost. Come and get ideas to how you can feed your pigs correct and increase your earnings.

14:15~15:45

Right feed formulation to remain performance with lower cost of production

Asst.Prof. Dr. Theerawit

*Kasersat University,
Thailand*

Synopsis:

▶Attend our presentation to listen more detail.