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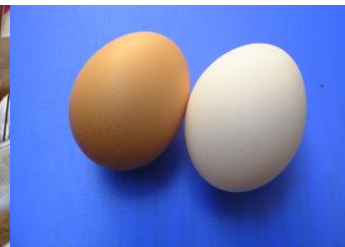
# SHORT COURSE ON FEED MANUFACTURING TECHNOLOGY

June 23-27, 2008, Hotel GRT Grand, Chennai, India

ORGANIZER



TECHNICAL SUPPORT



Media Partner



Co-Sponsor



## About Course

Today India is among the countries having highest livestock and poultry population in the world. The industry is keen on improving productivity in order to increase yields and profitability. The livestock industry in India is the second largest contributor to Gross Domestic Product (GDP), after agriculture, and accounts for 9 percent of the total. Consumption of animal products will substantially increase in coming days and this is driven by lifestyle changes and a growing economy. Milk consumption will increase from 240 to 450 g per person per day; per capita eggs from 40 to 100 per year; and per capita broiler meat from 1000 to 2000 g per year. In view of the expected rise in per capita consumption of chicken meat, eggs and milk, livestock production has to grow in large strides to meet demand.

For this, feed is obviously the major component involved in terms of technology and cost. The feed industry thus plays a major role in providing the balanced feed for increasing the animal productivity. The Compound Livestock Feed Manufacturers Association (CLFMA) from the feed sector have a total installed capacity of over 10 MMT per annum and produce about 4 MMT of animal feed per annum. The total estimated requirement of balanced feed in the country is around 60 MMT. While the broiler feed segment is at technological threshold and requires creative solutions to improve further, there is relatively greater scope for feed improvements in the layer segment. As for livestock, animals are fed with a small quantum of concentrates and feeding of productive animals, though relatively better, they still have to be fed with balanced nutritious diets to harness full potential. Shrimp feed, like the broilers is on a better scale of development while the fish feed market holds good scope for use of formulated feeds. Therefore the Indian Feed Industry is all set to grow in order to catch up with growing demands of livestock production and combat rising prices of raw material.

**Overview :** Realizing the importance on need for animal feed topics and knowledge a short course on Feed Technology is being organized by Assocom India Pvt Ltd in association with ASA-International Marketing and Department of Grain Science and Industry, Kansas State University. The five-day long feed manufacturing course is comprehensive and will cover sections on ingredients, feed formulation, feed manufacturing, process controls and the feeding of animal feeds. Some problem solving exercises, videos and panel discussions will also be included to facilitate interaction and better understanding. The course is designed for persons with or without feed milling experience so as to provide exposure to the realm of feed manufacturing. It will also be of interest and value to people who are directly or indirectly involved in feed milling.

**Who should attend:** Feed mill owners, managers, costing managers, nutritionists, feed formulators, plant supervisors, QC personnel, merchandisers, feed plant maintenance personnel, managers of livestock, poultry and aquaculture operations and all technical persons involved in feed production, marketing and administration.

**Speakers:** Lectures are given by faculty of Kansas State University (KSU), Department of Grain Science, resource persons from American Soybean Association-International Marketing and representatives for the feed industry and academic institutions.

## Schedule of the Course

### TIME TOPIC/ACTIVITY : SPEAKER

#### JUNE 23, 2008 : DAY - 1

- 0800 Breakfast & Registration
- 0830 Introductions : Bh. Subramanyam
- 0900 Video presentation of the department of Grain Science and Industry at Kansas State University : L. McKinney
- 0930 The U.S. feed industry : L. McKinney
- 1030 Tea
- 1100 The Indian feed industry - What the market has in store for future? : Vijay Anand
- 1200 Feed manufacturing as it relates to animal production : L. McKinney
- 1300 Lunch
- 1400 Ingredient storage and handling : L. McKinney
- 1500 Tea
- 1530 Sanitation: Hands-on workshop : Bh. Subramanyam
- 1700 Q&A and adjourn

#### JUNE 24, 2008 : DAY - 2

- 0800 Breakfast
- 0830 Feed formulation for poultry : D. Chandrasekaran



- 0930 Panel discussions on Soybean products in feed manufacture : L. McKinney
- 1030 Tea
- 1045 Feed formulation for aquaculture : Victor Suresh
- 1130 Quality control program : Bh. Subramanyam
- 1230 Lunch
- 1315 Particle size reduction : L. McKinney
- 1515 Tea
- 1530 Batching and mixing : L. McKinney
- 1700 Q&A and adjourn

**JUNE 25, 2008 : DAY - 3**

- 0800 Breakfast
- 0830 Steam Generation and Delivery Systems : L. McKinney
- 1000 Tea
- 1030 Mash conditioning : L. McKinney
- 1200 Lunch
- 1300 Pelleting : L. McKinney
- 1430 Tea
- 1500 Problem solving activity & panel discussion : L. McKinney & Bh. Subramanyam
- 1700 Q&A and adjourn



**JUNE 26, 2008 : DAY - 4**

- 0800 Breakfast
- 0830 Extrusion : Industry
- 1030 Tea
- 1100 Pellet cooling : L. McKinney
- 1200 Lunch
- 1300 Post pellet liquid application systems : L. McKinney
- 1400 Automation : To be announced
- 1500 Selling to a global market: HACCP in the feed industry : Bh. Subramanyam
- 1700 Q&A and adjourn



**JUNE 27, 2008 : DAY - 5**

- 0800 Breakfast
- 0830 Selling to a global market: ISO standards : Bh. Subramanyam
- 1000 Tea
- 1030 Warehouse Management : Bh. Subramanyam
- 1200 Q&A
- 12.30 Valedictory Function
- 13.30 Lunch and adjourn



## About the Speakers :

**Dr. Leland McKinney** obtained both a B.S. and a M.S. degree from the Department of Grain Science and Industry at Kansas State University. At the Oklahoma State University, he completed his Ph.D. in animal nutrition. He has since returned to Kansas State University as the Extension State Leader in the Department of Grain Science and Industry. Dr. McKinney's research interests are diverse and include evaluating grain and feed processing techniques, quantifying interrelationships between feed ingredients, feed manufacturing and animal nutrition, and investigating issues related to food/feed safety and security.

**Dr. Bhadriraju Subramanyam (Subi)** is currently a Professor in the Department of Grain Science and Industry at Kansas State University, Manhattan, Kansas, USA. He received a BS degree in Agriculture from the Andhra Pradesh Agricultural University, Rajendranagar, India, in 1981. His MS and PhD degrees involve studies on stored-product entomology in 1984 and 1988, respectively, from the University of Minnesota, St. Paul, Minnesota, USA. Dr. Subramanyam has a wealth of experience in the management of insect pests associated with stored raw grain, food/feed processing facilities, warehouses, and retail environments. In 2004 he received the US Environmental Protection Agency's Stratospheric Ozone Protection Award for his research and educational programs on the use of elevated temperatures for management of insects in food-processing facilities. He also has vast consulting experiences with several companies in the United States and outside United States on issues related to pest management, insect and pesticide contamination in food and feed products.

**Dr. P.E. Vijay Anand** heads the Feed Program of the American Soybean Association-International Marketing as the Technical Director for Poultry, Livestock and Aquaculture operations. He has his professional education from the University of Agricultural Sciences, Bangalore in the field of fisheries sciences. His doctoral degree is from Cochin University of science and technology with research work conducted on feeding and nutrition of reef fishes in Lakshadweep islands through the Central Marine Fisheries Research Institute, Cochin. Dr. Vijay held managerial positions all through his career in animal production, feed milling and animal healthcare companies. He was associated with poultry; livestock and aquaculture feed formulations, feed milling, QC, raw material handling, product development, techno-marketing, product pricing and human resource and feed business management aspects.

**Dr A. Victor Suresh**, Director of Nutrition & Feeds, Integrated Aquaculture International. Dr. Suresh got his Bachelor, Master and Ph.D. degrees in aquatic sciences from India, Thailand, and the United States, respectively. He started his career at Ralston Purina International in the Research and Technology department. When the animal feed division of Ralston Purina International was spun-off into Agribrands International, he moved to the new company and became its Director of Aquaculture. In 2001, he returned to India and became an independent consultant to the feed industry. His clients included Cargill Animal Nutrition, Bentoli AgriNutrition and the Food and Agriculture Organization of the UN. In 2007, he joined Integrated Aquaculture International, a Nebraska-based technology company to head the Nutrition and Feeds program of the company. In this capacity, he directs the company's Nutrition R&D programs in Brunei, and consults the feed-related clients of the company in Brazil, Mexico, Indonesia, China and the US.

**Dr. D. Chandrasekaran**, Professor & Head Department of Animal Nutrition Veterinary College & Research Institute Namakkal. He obtained his post graduate degree in Animal Nutrition from Tamil Nadu Agricultural University and doctoral degree from Tamil Nadu Veterinary and Animal Sciences University. Established the Animal Feed Analytical and Quality Control Laboratory and helped in running it on self financing basis for more than a decade. He evolved a user friendly least cost feed formulation program, which is extensively used by the farmers. He is closely working with the livestock and poultry farmers and helping in optimizing their feed formulation.

## REGISTRATION

### Early Bird Registration before May 25, 2008

- Registration Fee for is Rs. 6742/- for Indian delegates.
- Registration fee is US\$ 300 (Foreign Delegates)

### Registration Fee after May 25, 2008

- Registration Fee is Rs. 7865/- for Indian delegates.
- Registration fee is US\$ 350 (Foreign Delegates)

Registration fee should be sent through demand draft in favor of "Assocom-India Pvt. Ltd." payable at New Delhi.

- Course fee must be paid before start of the program.

Yes, I would like to enroll in the following **Short Course on Feed Manufacturing Technology** June 23-27, 2008, in Chennai, Tamil Nadu, India.

Name: Last (family) First Middle initial

e-mail

Job Title

Company

Company Mailing Address City

State/Province Zip/Postal Code Country

( ) ( )

Company Telephone Company Fax

## TO REGISTER

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## VENUE

### Hotel GRT Grand

Sir Thiyagarayoad, T. Nagar, Chennai – 600 017, India

## HOTELS DETAIL IN CHENNAI

### Hotel GRT Grand

Sir Thiyagarayoad, T. Nagar, Chennai – 160 017, India  
Tel: +91-44-28150500 / 28155500 Fax: +91-44-28150778  
E-mail: reservations@grtgrand.com

### The Residency Towers

Sir Thiyagaraya Road, Chennai - 600 017  
Tel. : +91-44-28156363  
E-mail : roomreservation@towersresidency.com

### Savera Hotel

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