



## ***Henrique Vianna de Amorim***

**H**enrique V. de Amorim was born in the city of São Paulo, Brazil on July 1<sup>st</sup>, 1939. He graduated in Agricultural Science 1966. Some time later, in March 1970, he obtained his Master of Science degree from the Ohio State University, Ohio – USA. Two years after, he defended his Ph. D. thesis and in 1978 finished his Professorship thesis about coffee quality at Escola Superior de Agricultura “Luiz de Queiroz” - University of São Paulo (ESALQ – USP. Between January 1984 and July 2001, he was an associate professor in the Biological Sciences department at ESALQ – USP in the subjects of Biochemistry. The course of his professional life is distinguished by countless achievements in the scientific and industrial community.

**S**ince 1977, he has been working on optimizing the industrial process of alcoholic fermentation and on the laboratory control of every stage in sugar and alcohol production.

**A**s Fermentec President he leads a highly qualified professional team in the areas of Chemistry, Biochemistry, Microbiology and Agricultural Science. Along with his customers, he has cooperated for the sugar and alcohol segment.

**H**e has firming a partnership with ESALQ\_USP through the Agronomic Studies Foundation “Luiz de Queiroz” (FEALQ) for the areas of alcoholic fermentation biochemistry, microbiology and chemical control.

**I**mpact on Alcoholic Fermentation:

- Selection of yeast strain PE-2 e CAT-1 (In the harvest season of 2007 around 60% of the alcohol produced in the country was from the yeasts).
- Raw sugar cane quality improvement. In the last 15 years, Fermentec has been analysing more than 15 parameters as sugar cane quality guides and the impact on industrial yield.
- Increase of alcoholic fermentation yield from 75% in 1977 to 92% in the last harvest season.
- Measurements of sugar losses in the industry. In some sugar mills the losses reached 7% of the sugar in the cane.
- Development of new analytical methods (chemical and microbiological).

**H**e received as a former student, the “Ambassador Medal” by the President of Ohio State University, in recognition for his pioneering research and invaluable contribution to the field of plant and cellular biology, as well as with his achievements in the world of international business.

**H**enrique Amorim received the “Jabuti Award” in Exact Sciences and Technology Category as “Brazilian Agriculture Encyclopedia Fellow Worker.

**A**s coordinator at Fermentec Meeting (Annual and Middle Season) he has worked hard on the dissemination and transference of technology to the sugar and alcohol segment.

In the harvest season 2006/07, the sugar mills and distilleries assisted by Fermentec produced:

- **142 million tons of sugar cane**
- **9 million tons of sugar**
- **9 billion liters of alcohol**

**T**his numbers show the extension of the work, which has been led by Henrique Vianna Amorim in the sugar and alcohol segment during these 30 years.