

## 2013 Asian Award for Distinguished Contribution to Chemical Education



**Dr. Bhinyo Panijpan**  
**Faculty of Science , Mahidol University**

**The Federation of Asian Chemical Societies (FACS) has bestowed on Dr. Bhinyo Panijpan the 2013 award for his achievements as a chemical educator.**

Dr. Bhinyo Panijpan has always combined his role as a chemical researcher with that of a chemical educator. He likes to conduct his lectures and laboratory exercises in a learner-centered way. His attempts at making his lectures and laboratory instructions accurate, up-to-date and interesting have led to publications in international journals on chemical and biophysico-chemical topics spanning the last 35 years. He has applied his chemical knowledge in making molecular models, a simple spectrophotometer, a test kit for iodate in salt, the latter has earned a patent and over 20 million baht for Mahidol University. Dr. Bhinyo has spoken about his chemical education work at both national and international forums. Over the years, he has travelled countrywide to train teachers about appropriate pedagogies for student-centered learning as well as coaching them and their students on molecular model building, UV-Visible spectrophotometry and usage of the iodine-test kit (I-Kit).

His contributions to the wider world include presidency of the Chemical Society of Thailand, co-organizer of an international chemical education conference (ICCE), chairman of the International Chemistry Olympiad, etc. In terms of serving society, Dr. Bhinyo Panijpan was a key person in contributing substantively to the Dangerous Goods Act of 1992 by acting as chairman of the academic subcommittee. He served the Ministry of Industry as an expert on hazardous chemicals from 1992-2005. In that period he trained industry personnel, teachers and students about various aspects of hazardous chemicals and the other chemical aspects of fire. As director of the Institute for Innovative Learning, he has made publication in reputable international journals overseas for a graduating Ph.D. obligatory, a requirement not generally imposed by faculties of education elsewhere in Thailand. At the moment he still carries out research on science and mathematics educational topics.

### **EDUCATION**

B.Sc. (Hons) (Molecular Bioscience) University of Queensland, Australia (1965)  
Ph.D. (Biophysical Chemistry) University of London King's College (1973)

### **PRESENT POSITION**

Senior consultant, Institute for Innovative Learning, Mahidol University, Thailand  
Senior consultant and researcher, Faculty of Science, Mahidol University, Thailand

### **AWARD**

- Chemical Society of Thailand Award for Distinguished Contribution to Chemical Education(2012)
- Ajinomoto Lecture Award for Biotechnology in the Service of Community (2005)
- Best Practice Awardee for Innovation in Safety, Ministry of Industry (2005)

- National Research Council of Thailand Distinguished Invention Awardee (1999)
- Distinguished Teacher (tertiary level) Awardee(The Science Society of Thailand) (1999)
- Mahidol University Distinguished Invention/research Awardee(1998/1985)

## **PUBLICATION**

Forty-nine of the total 125 publications are on Chemical Education Research, 53 are on Chemistry Research and the rest are in science and mathematics, and science/mathematics education. Thai Patent (no.9559) for a field test kit for iodate in salt (I-Kit): The Thailand Research Fund by Ruenwongsa,P. & Panijpan,B.(1997).