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The National Research Council of Thailand (NRCT) keeps on supporting research and invention to pursue guidelines of His Majesty King Bhumibol Adulyadej



Research and invention are factors affecting the future development of the country in all dimensions. The major changes emerged as a result of research and technological developments have caused opportunities and competitions in the economic, social and environmental aspects of every country.

It is fortunate for Thailand that His Majesty the King invented intellectual property beneficial to people and the country in the hope that his people have a sense of well-being. His Majesty is hence named "The Father of Thai Invention" and "The Father of Global Invention" from International Invention Organizations. In the meanwhile, the World Intellectual Property Organization (WIPO) presented His Majesty with the "Global Leader Award". In the other words, His Majesty becomes the first king of the world who has got this kind of award.

To act upon His Majesty's guidelines, the government has actively promoted and supported research and invention in the following matters: acceleration of research system reformation of the country by establishing the National Research and Innovation Policy Council, improvement of the mission and authority of the agencies in the national research system to drive research and innovation, and to zero in on overlapping operations, strategic budget allocation by setting long-term budgetary framework, and block grant form, expedition of the development of research infrastructure, invention and innovation both in quantity and quality, legislative and regulatory improvement in order to reduce infrastructural problems, fixing research topics and technological development, dissemination of completed research work for a variety of uses in the community, society and industry.

TWAS Prize for Young Scientists in Thailand in Mathematics Field in the Year 2016



Assoc. Prof. Dr. Duangkamon Baowan
Faculty of Science, Mahidol University

The Academy of Sciences for the Developing World (TWAS), formerly known as Third World Academy of Sciences, is an independent organization established in 1983 with a collaborative effort of leading scientists from the developing countries with the objective of creating the political and scientific leadership based on science and technology use. TWAS is currently under the auspices and supervision of the United Nations Educational, Scientific and Cultural Organization (UNESCO) which locates at Trieste city, Italy.

In 1986, TWAS set up a TWAS Prize for young scientists program for developing scientific personnel in the developing countries by inviting member countries to select young scientists with outstanding work in four academic areas: biology, chemistry, mathematics, and physics in consecutive years to receive awards consisting of honor plaque and 2,000 US dollars for encouraging scientists to further work. There are currently 43 countries joined in the project in which Thailand stands at the 25th on the list.

Since 1997, the NRCT has recruited 18 Thai young scientists by appointing academic experts from the NRCT's Executive Board, Office of the Royal Society, Science Society of Thailand under the Patronage of His Majesty the King, Executive of Thai Academy of Science and Technology to the committee for recruiting young scientists to receive the TWAS Prize for Young Scientists in Thailand.

In 2016, the NRCT has endorsed Assoc. Prof. Dr. Duangkamon Baowan, a mathematics professor, Faculty of Science, Mahidol University to get the TWAS Prize for Young Scientists in Thailand in Mathematics Field due to her mathematics modeling work which can be used in a wide variety of disciplines such as Mathematics and Medical science and her 44 academic work published in reliable academic journals since 2007-2014. The NRCT gave her a honor plaque in Thailand Inventor's Day 2017 on February 2, 2017 at Event Hall 102-104, Bangkok International Trade & Exhibition Centre (BITEC), Bang Na, Bangkok.

A TRAINING FOR GETTING A LICENSE ON THE USE OF ANIMALS FOR SCIENTIFIC PURPOSES

The Institute of Animals for Scientific Purpose Development (IAD), the National Research Council of Thailand (NRCT) has developed animals care and use for scientific purposes in order to reach the international standards and to be consistent with the NRCT Ethical Principles and Guidelines for the Use of Animals for Scientific Purposes approved by the cabinet in 2012 in the hope that Thailand's animals care and use for scientific purposes meet the international standards and raise the quality of research work relating to biological and biomedical sciences, development and test of drugs, medicine herb, food and vaccine, biomaterial production, teaching and animal services for scientific purposes to be competed against foreign countries. Being the main unit in directing and developing animal treatment for scientific purposes in agreement with the Animal for Scientific Purposes Act, B.E. 2558, the IAD held 19 training courses relevant to the above title last fiscal year. 5,747 Thais and foreigners in the animal field from all around the country passed the training courses and standard test; nevertheless a large number of personnel connected with animals for scientific purposes and desirous of the license for the use of animals for scientific purposes have not yet passed the training.



At a result, the IAD organized a training on the subject of "Applying for an animal use for scientific work license" on January 17-18, 2017 at the Office of Computer Services, Kasetsart University, Bang Khen, Bangkok in order that the personnel concerned with this matter can be trained to get a license on the use of animals for scientific purposes which is in accord with the Animal for Scientific Purposes Act, B.E. 2558.

