



## CALENDAR OF EVENTS

### International Training Course Environmental Health Risk Assessment and Management of Toxic Chemicals at Chulabhorn Research Institute

December 9 – 14, 2024

Training Course	Dates	Duration	Participants	Closing Date
Environmental Health Risk Assessment and Management of Toxic Chemicals	Dec. 9 - 14, 2024	6 days	20 fellowships	October 20, 2024

**Course Coordinator:** Professor Mathuros Ruchirawat, Ph.D.

#### **Background:**

The Chulabhorn Research Institute (CRI) is aware of the importance of providing a training program to assist developing countries with human resource development in the field of environmental toxicology and risk assessment. Through the years, courses on risk assessment have been organized to train personnel to be capable of carrying out risk assessments of toxic chemicals for the protection of human health and the environment, and therefore serve the needs of the governmental, academic, and industrial sectors. In December 2024, CRI is organizing a training course on risk assessment to be taught (in English) primarily by international experts from the United States and Europe, with a wealth of experience in conducting risk assessments, as well as conducting training courses in developing countries.

#### **Course Description:**

The fundamentals course is an integration of science and policy, and covers the principals of human health and environmental risk assessment; the risk assessment paradigm; the risk assessment and management processes, which start from identification of the hazard, assessment methods, the mode of action and human relevance framework, the inherent uncertainties in each step, and the relationship between risk assessment and risk management, as well as the need for open, transparent and participatory acceptance procedures and credible communication methods. Emphasis will be placed on potential adverse health effects of human exposure to environmental hazards, although the principles of ecological risk assessment will also be covered. The course also teaches the application of risk assessment methods to various problems and describes the policy context in which decisions to manage environmental health risks are made. The applications of environmental impact assessment procedures for identifying and assessing risk are also covered. Importantly, the course teaches the practical application of risk assessment methods to various problems using case studies relevant to problems faced in developing countries. Participants who complete the course will receive a Certificate of Completion for their professional portfolio.

#### **Requirements:**

Applicants must fulfill the following requirements:

- At least two (2) years' work experience related to the use of basic knowledge in chemistry, biological sciences or medicine.
- Hold a bachelor's degree from a university/technical college.
- Demonstrate proficiency in English (speaking, reading and writing).
- Be in good health, both physically and mentally, and have a health certificate provided by an authorized physician. This form is also attached together with the Application Form. Pregnancy is regarded as a disqualifying condition for participation in the course.

**This year, the course will be held back-to-back with the 9<sup>th</sup> Princess Chulabhorn International Science Congress on the theme of "The Challenges of One Health: The Roles of Biosciences and Chemistry" (December 15-18, 2024).** A limited number of extended fellowships are available for attending this conference after completion of the training course. **Interested participants must submit an abstract for consideration for an extended fellowship.** For more information, including abstract requirements, please visit <https://pc9.cri.or.th/call-for-abstracts/fellowships/>

**Fellowship coverage:** The fellowship for the training course will cover course fees, round-trip airfare, accommodation allowance, daily stipend, training materials, and health insurance for the duration of the course.

**Contact:** Chulabhorn Research Institute (CRI)

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