



**CENTER FOR RESEARCH
AND TECHNOLOGY TRANSFER**



I. SCIENTIFIC RESEARCH ACTIVITIES

THE KEY LABORATORY ON FOOD SAFETY AND ENVIRONMENTAL RESEARCH



The key research laboratory is recognized to conduct analyses and assessments of relevant issues and is acquired VILAS certification No.809 under the international standard of ISO/IEC 17025:2005.

Carrying out the tasks of identifying and supervising the early warning of toxins in food and the environment.

Analyze and assess the exposure and impact of toxins on human health.

Developing science and technology services for individuals and organizations in food and environmental related fields.



THE KEY LABORATORY ON DIOXIN RESEARCH

Monitoring, analyzing, assessing the level of pollution and harmful effects of Dioxin, persistent organic pollutants and other toxins in the environment.

Participating in the development, technical guidance, guidance on quality assurance and quality control in Dioxin analysis and toxicology.



Participating in the development of mechanisms, policies, documents, strategies, master plans in the field of Dioxin evaluation, dissolving organic compounds and other poisons.

THE KEY LABORATORY ON AIR QUALITY RESEARCH

Developing an air sampling and analysis method to identify hazardous components to increase sensitivity, selectivity, precision of the method and reduce costs and complexity.

Assessing the level of air pollution and the air pollution dispersions .

Developing analytical and environmental monitoring services.



THE LABORATORIES FOR PHARMACEUTICAL AND BIOCHEMICAL RESEARCH AND DEVELOPMENT

Scientific research and deploy the technological tasks of pharmaco-chemical industry, cosmetics ...

Implementation of processes and technologies in pharmaco-chemical production.



Quality analysis of medicinal materials, providing reference substances of natural origin.

II. SCIENCE EXCHANGE AND TECHNOLOGY TRANSFER ACTIVITIES

SCIENCE EXCHANGE ACTIVITIES

Co-operating with national and international organization in scientific research in order to plan, trigger and conduct scientific and technology projects. Tighten and widen the co-operation with other countries such as Japan, Korea, Russia, Holland, Austria, Laos, Netherlands, etc.

Organizing training classes, national and international scientific conferences in order to exchange knowledge and technology or advanced analysis methods in food and environmental safety.



TECHNOLOGY TRANSFER ACTIVITIES

Co-operating with public and private organizations in order to develop scientific and technology services.

Participating in the scientific markets to promote the commercialization of successful scientific products of Vietnam Academy of Science and Technology

CO-OPERATE PROJECT

- Research project: Process the green tea by-products to create some high economic value products to strengthen the green tea industry in Lao Cai province
- Preparation of the Pt-Ni(OH)₂ nanoparticles onto boron doped diamond electrode for methanol oxidation



III. ONGOING PROJECTS

VAST's PROJECTS

- Research project: Scientific support to pollution management in the Hanoi region
- Establish "The key laboratory of Air Quality Research"
- Establish "The key laboratory of Dioxin research"
- Research project: Determine the toxics in food processing and preservation