

# Japan Environmental Technology Association

**For Beautiful and Rich Environment through the Advancement of Instrumentation Technology**

## About us

JETA aims at the systematization of the measurement technique such as the water quality and the atmosphere. Moreover, we improve the measuring instrument monitors etc. and also we aim at the spread and the improvement of the maintenance management technology of the measuring instrument monitors. And we promote international cooperation concerning an environmental measurement technique.

At present, JETA promote progress of an environmental measurement technique and an international cooperation activity from a new aspect. And, it contributes to securing living conditions that are better than economic development harmonized with the maintenance of the environment and the maintenance of the global environment.

25 July 1979 : Japan Environmental Technology Association was established

25 July 1989 : A permit was granted by the Environment Agency to found a public corporation

1<sup>st</sup> April, 2011: A permit was granted by the Public Interest Corporation Commission (PICC)<sup>1)</sup> to shift to a Public-Service Corporation (PSC)

<sup>1)</sup>The Public Interest Corporation Commission (PICC) is a council in the Cabinet Office and composed of seven Commissioners appointed by the Prime Minister.

## What can we do?

- (1) Investigation and Research of development and improvement of environmental measurement technology.
- (2) Seminars and training in environmental measuring technology, and the certifying examination of environmental measurement expertise.
- (3) Research and monitoring for enhancement of performance in international operations of environmental measuring technology, and international technical co-operation.
- (4) Technological course of maintenance expertise for environmental measuring system
- (5) Other activities, publication of literature regarding environmental measuring technology etc.

## Activates

### A. Measurement of Water Quality

- Investigation into system performance of COD, TOC, and UV analyzers
- Investigation into system performance of Total Nitrogen (TN) and Total Phosphorus (TP)
- Investigation into the water analysis (simple menstruations)

### B. Measurement of Ambient Air Quality

- Research for system performance of dry method OX, SO<sub>2</sub>, and NO<sub>x</sub> automatic ambient monitors
- Investigation into system performance of gas preparation device for calibration
- Investigation into an acid rain automatic collection device
- Investigation into QA/QC guideline for monitoring of ambient air quality

- Investigation into system performance of VOC measuring machines in effluent gas
- The Environmental Technology Verification (ETV) -Simplified VOC measurement, etc. technologies division verification organization activities.
- Investigation into Common Interface of Telemetry System and Continuous Ambient Monitors.

#### C. Measurement of Hazardous Chemical Substance

- Investigation into development and foreign documents of VOCs measurement system
- Investigation into VOCs in ambient automatic system
- Investigation into hazardous ambient monitoring technologies International Collaborative Relationships

#### D. International Technology Exchange and Support

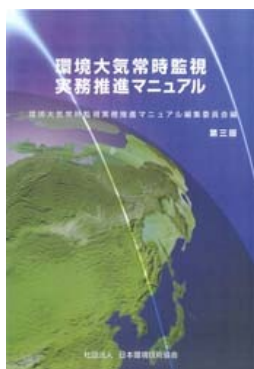
- Supporting investigation into acid rain monitoring in East Asia in China
- Japan-China water quality automatically monitoring technique seminar
- Recommendations on methodologies of monitoring air pollutant emission (ESCAP, United Nations)
- “International Cooperation by Japanese Experts of Environmental Pollution Control”

#### E. The others

- The study group about radioactive material measurement



Technical Training Course (backup; Ministry of the Environment) Continuation holding of technological course in 2~4 place every year for 20 years more, for person in charge of watching service of local government and person in charge of maintenance management business of enterprise



The Business Promotion Manual of Continuous Monitoring for Ambient Air Quality (Japanese)



The Manual of Maintenance Control of Automatic Water Quality Measuring Instruments (Japanese)

⇒<https://www.jeta.or.jp/publish/manual>

- Special Report

- Development work of the equipment for microplastic survey

Commissioned by the Ministry of the Environment (Japan) to undertake “Development work of the equipment for microplastic survey” over the two years from 2020 to 2021, the Japan Environmental Technology Association has developed standard specifications for mechanizing and automating the oxidative digestion and density separation steps that form part of the process of isolating microplastics from samples.

⇒<https://www.jeta.or.jp/jeta127/applicationform>

- We execute it always aiming at the maintenance improvement of technology for the reliability securing of the watch data:



- Licensed engineer;
  - Presentation and interview execution:
  - Professional engineer;
  - Written examination execution
  - Beginner's engineer;
  - Written examination execution.

- 「KANGIKYO」 magazine



- We issue the public magazine twice a year (January and July).

- Some topics of the Ministry of the Environment and our technological introduction are published. (Japanese)

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