



## *Message from the President*

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*President Toshio KODAMA*

We sincerely thank you for your understanding and continued support regarding the Japan Atomic Energy Agency (JAEA)'s research and development (R&D) activities.

JAEA's mission as the only comprehensive nuclear R&D institution in Japan is to contribute to the welfare and prosperity of human society through nuclear science and technology. To realize this, we undertake R&D in active cooperation and collaboration with industries and universities. Our studies include cases such as the accident at the Fukushima Daiichi Nuclear Power Station operated by the Tokyo Electric Power Company Holdings, Inc.; research on nuclear-safety improvement; R&D toward the establishment of nuclear-fuel-recycling technologies such as fast reactors and reprocessing; and the development of technology for the treatment and disposal of radioactive waste. Furthermore, to support these R&D activities and create new technologies, we have implemented nuclear science and engineering research and human-resources development.

In response to the accident at Fukushima Daiichi Nuclear Power Station, as of last year, we have started full-scale operation of the International Collaborative Research Building of the Collaborative Laboratories for Advanced Decommissioning Science (CLADS), which is located in Tomioka Town, Fukushima Prefecture: our aim there is to solve problems related to the decommissioning of nuclear-reactor facilities and restoration of its environment. Remarkable results have been obtained in basic foundational research, such as a study on treatment methods for radioactive waste by nuclear transmutation, which received the 21st Century Invention Award. For research reactors, we have been responding to the new regulatory standards of the Nuclear Regulation Authority, and in June of this year, we resumed operation of the Nuclear Safety Research Reactor (NSRR).

Meanwhile, the Nuclear Regulation Authority has approved the decommissioning plans for the Prototype Fast Breeder Reactor Monju and the Tokai Reprocessing Plant and these plants entered the full-scale decommissioning stage. We will continue to work on safe and steady decommissioning measures in accordance with this plan in the future.

In this publication, we will introduce representative topics related to the latest achievements obtained by R&D, on which JAEA is working daily.

We are pleased that you will gain further understanding of JAEA's accomplishments through this publication, and we appreciate your continued encouragement and cooperation for our R&D activities.