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## Stable isotope ratio of local rice samples in Thailand

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Stable isotopes including 13C, 15N and 18O of local Thai rice samples were carried out using elemental analyzer isotope ratio mass spectrometry (EA-IRMS). Thai rice samples, Khaowong sticky rice, Pakaumpul local rice, and Jek Chuey Sao Hai rice were cultivated from Kalasin, Surin, Saraburi provinces, respectively. In this study, we report the stable isotope ratio of rices for the isotopic characteristics of Thai rice cultivated from different provinces. The analysis of variance (ANOVA) and multiple comparisons using Least significant difference (LSD) were also investigated. Stable isotope ratio of 13C/12C and 18O/16O were good characteristic indicators for Thai jasmine rice that could be applied for the geographical origins of rice.

**Author:** Dr KUKUSAMUDE, Chunyapuk (Nuclear Research and Development Group, Thailand Institute of Nuclear Technology (Public Organization))

**Co-authors:** Ms SOLA, Phachirarat (Nuclear Research and Development Group, Thailand Institute of Nuclear Technology (Public Organization)); Dr KONGSRI, Supalak (Thailand Institute of Nuclear Technology (Public Organization))

**Presenter:** Dr KUKUSAMUDE, Chunyapuk (Nuclear Research and Development Group, Thailand Institute of Nuclear Technology (Public Organization))

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