



SIRIPRAPA SOMBOON

DEPARTMENT OF RADIOLOGIC TECHNOLOGY



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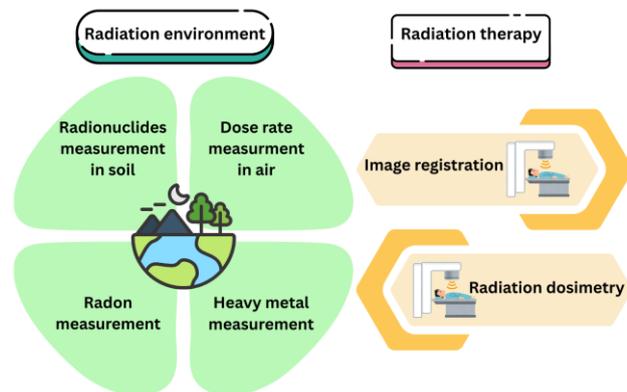
Education

- 2015-2018 **Tokyo Metropolitan University**
Ph.D. Radiological Sciences
Thesis: Distribution of Radiocesium and Uranium in Rivers near Fukushima Daiichi Nuclear Power Plant
- 2010-2013 **Chiang Mai University**
M.S. Medical Physics
Thesis: Image Registration Computer Programming for Radiotherapy Setup Verification
- 1999-2001 **Chiang Mai University**
B.S. Radiologic Technology
Project: Development of Mimicking Phantom for Quality Control of Ultrasound

Research areas of interest

- Radiation environment
- Imaging for Radiotherapy
- Radiation Dosimetry
- Radiation Protection

Research theme



Publication

- 2026 **Journal publications**
Somboon S, Chaijinda J, Ruktinnakorn K, Intamoon S, Promprakob B, Thumvijit T, et al. Assessment of natural radioactivity concentrations in soil samples from Mae Chaem District, Chiang Mai Province, Thailand using a HPGe detector. *J Assoc Med Sci.* 2026; 59(1): 153-61.
- 2025 **Journal publications**
Kranrod C, Poltabtim W, Tarika T, Sompong S, Somboon S, Ruktinnakorn K, et al. Short-term Variations of Indoor and Outdoor Airborne Particulate Matter (PM2.5 and PM10) and Radon Concentrations during the Highest Burning Season in Chiang Mai, Thailand. *Radiat environ med.* 2025; 14(2): 75-82.
- 2022 **Journal publications**
Somboon S, Malila W, Tamon S, Rueansri J, Ua-apisitwong S. Dose deviations induced by fractional image guidance system errors in intensity-modulated radiotherapy for brain tumor treatment. *J Assoc Med Sci.* 2022; 55(3): 116-22.
- 2022 **Journal publications**
Somboon S, Malila W, Tamon S, Nueangwong W, Yeenang N, Rueansri J. Evaluation of optimal kilovoltage-cone beam technique on image quality, registration accuracy, time of imaging and relative dose for head radiotherapy: A phantom study. *J Assoc Med Sci.* 2022; 55(2): 10-15.