



# CHAYANIT JUMPEE

DEPARTMENT OF RADIOLOGIC TECHNOLOGY



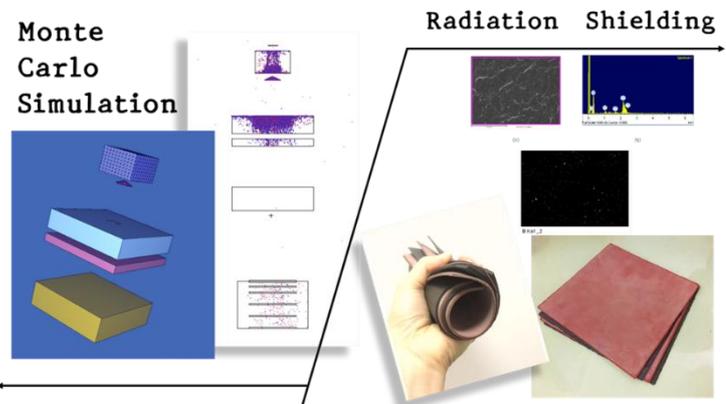
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## Education

- 2015 PhD Nuclear Engineering Chulalongkorn University, THAILAND
- 2010 MS Nuclear Technology Chulalongkorn University, THAILAND
- 2006 BS Radiologic Technology (First-Class Honors) Chiang Mai University, THAILAND

## Research theme



## Research areas of interest

- Radiation Shielding
- Neutron Shielding
- Radiation measurement
- Monte Carlo Simulation
  - MCNP
  - PHITS

## Publication

- Thongkum, V., Sersmuk, P., Teerakeerayut, A. and **Jumpee, C.** (2024). Estimation of organ-absorbed doses in patients undergoing chest and abdominal X-ray examinations using Monte Carlo-based software. Journal of Associated Medical Sciences. [https:// 10.12982/JAMS.2024.054](https://10.12982/JAMS.2024.054)
- Kaewjaeng S., Kothan S., Wantana N., **Jumpee C.** and et.al. (2023). Fabrication luminescence and radiation shielding properties of Gd2O3–La2O3–ZnO–B2O3–Sm2O3 glasses. Radiation Physics and Chemistry. [https:// 10.1016/j.radphyschem.2022.110537](https://10.1016/j.radphyschem.2022.110537).
- Kaewjaeng S., Boonpa W., Kothan S., **Jumpee C.** and et.al. (2022). X-ray radiation shielding of CeO2 doped borosilicate glasses and their luminescence characteristics. Radiation Physics and Chemistry. [https:// 10.1016/j.radphyschem.2021.109825](https://10.1016/j.radphyschem.2021.109825).
- Thepsiri, P., Phruksarojanakun, P., Rattananrungruangchai, N., **Jumpee, C.** and et.al. (2022). Innovative utilization of compact disc for measuring fast neutron generated from a 10 MV medical linear accelerator. Journal of Associated Medical Sciences. [https:// 10.14456/jams.2022.1](https://10.14456/jams.2022.1).
- **Jumpee, C.**, Onnomdee, C., Charoenphun, P., Phruksarojanakun, P. and Chuamsaamarkkee, K. (2022). RADIATION SAFETY ASPECTS OF 90Y BREMSSTRAHLUNG RADIATION PRODUCED FROM RADIATION SHIELDING APPARATUS USING THE MONTE CARLO SIMULATION. Nuclear Technology and Radiation Protection. [https:// 10.2298/NTRP2103255J](https://10.2298/NTRP2103255J).