

Name	Phornpailin Pairodsantikul, M.Sc.				
Thai name	อาจารย์พรไพลิน ไพโรจน์สันติกุล				
Position	Lecturer				
Responsibility for School	Curriculum lecturer				
Email	phornpailin.pai@cra.ac.th				
Expertise	Nuclear Medicine				
Research Interest	Radiation protection, radiation dosimetry, OSL nanodot dosimeter, internal dosimetry, PET/CT imaging, and quality assurance in nuclear medicine				
Educational Background					
Education level	Graduation year	Education field	University/School	Province	Country
Doctoral degree	Studying	Ph.D. candidate in Quantum Science and Energy Engineering	Tohoku University	Miyagi	Japan
Master's degree	2018	M.Sc. Medical Physics	Chiang Mai University	Chiang Mai	Thailand
Bachelor's degree	2014	B.Sc. Physics	Chiang Mai University	Chiang Mai	Thailand
Upper secondary education	2010	-	Princess Chulabhorn Science High School Chiang Rai	Chiang Rai	Thailand
Lower secondary education	2007	-	Princess Chulabhorn Science High School Chiang Rai	Chiang Rai	Thailand
Work Experience					
Start year	End year	Position	Organization	Province	Country
2018	present	Lecturer	Radiological Technology Program, Chulabhorn Royal Academy	Bangkok	Thailand
Publication					

Year	Journal name	Title
2018	Journal of Medical Technology and Physical Therapy	Pairodsantikul, P. , Uaapisitwong, S., Kaewchur, T., & Ekmahachai, M. (2018). The development program for tissue attenuation correction of SPECT image by using CT image data in quantitative comparison. Journal of Medical Technology and Physical Therapy, 30(2), 191-204. [https://he01.tcithaijo.org/index.php/ams/article/view/145]
2020	Journal of Health Science and Medical Research	Ritlumlert, N., Tangruangkiat, S., Phonlakrai, M., Kawvised, S., Pairodsantikul, P. , & Vidhyarkorn, S. (2020). Assessment of Average Glandular Dose Received in Full-field Digital Mammography and Digital Breast Tomosynthesis. Journal of Health Science and Medical Research, 38(2), 115-123. [DOI: http://dx.doi.org/10.31584/jhsmr.2020730]
2022	Songklanakar in Journal of Science & Technology	Pairodsantikul, P. , Wongsap, P., Sudchai W., Burasothikul P., Saegpitak C., Srirama S., & Nivorn M. (2022). Effectiveness of Radiation Shielding and Effective Doses of Radiological Technologists during PET/CT Scans at the National Cyclotron and PET Centre, Chulabhorn Hospital: A Phantom Study. Songklanakar in Journal of Science & Technology. 44(4), 1159-1163. [https://rdo.psu.ac.th/sjst/article.php?art=2920]
2022	Journal of Health Science and Medical Research	Ritlumlert, N., Tweeatsani, N., Jongjirasiri, S., Kittikhemakorn, T., Chaiwongkot, N., Pairodsantikul, P. , Luangphiphat, W., Sen-ngam, K., Muangsillapasart, V., Khitkhem, P., Wijarn, N., Kawvised S. (2022). Evaluation of Radiation Dose in Computed Tomography Angiography before Transcatheter Aortic Valve Implantation. Journal of Health Science and Medical Research. [DOI: http://dx.doi.org/10.31584/jhsmr.2022910]
2022	Journal of Medical Imaging and Radiation Sciences	Sudchai, W., Kheonkaew, B., Prabsattroo, T., Saiyo, N., Kawvised, S., Pairodsantikul, P. , Pamarapa, C., & Rattananrungruangchai, N. (2022). Measurements of effective dose and entrance surface dose in diagnostic radiography using OSL dosimeter. Journal of Medical Imaging and Radiation Sciences, 53(4), S18. [https://doi.org/10.1016/j.jmir.2022.10.062]
2023	Journal of Associated Medical Sciences	Kawvised, S., Ritlumlert, N., Pairodsantikul, P. , Piantham, W., Tweeatsani, N., Luangphiphat, W., Sen-ngam, K., Muangsillapasart, V., Sriwiset, S., Saenprom, B., Narapanyakul, R. (2023). Patient radiation dose from fluoroscopic-guided transcatheter cardiac aortic valve implantation procedure: A single-center study in Thailand. Journal of Associated Medical Sciences. 56 (1): 166-174 [https://he01.tci-thaijo.org/index.

2023	The Thai Journal of Radiological Technology	Pairodsantikul, P. , Phlangrit, L., Wiwatthananon, N., Kawvised, S., Wongsas, P., &Pamarapa, C. (2023). The development of mobile application for general radiography in skull. The Thai Journal of Radiological Technology. Vol. 48 No. 1. [https://he02.tci-thaijo.org/index.php/tjrt/article/view/259876]
2023	Journal of Health Science and Medical Research	Komany, K., Kirsattayakul, W., Ritlumlert, N., Tangruangkiat, S., Pairodsantikul, P. , Teankuae, S., & Kawvised, S. (2023). Effectiveness of a Developed In-House Breast Phantom in Enhancing the Knowledge of Mammographic Positioning in Radiologic Technology Students: A Quasi-Experimental Study in Thailand. Journal of Health Science and Medical Research, 20231017. [DOI: 10.31584/jhsmr.20231017]
2023	Radiation Effects and Defects in Solids	Tochaikul, G., Mongkolsuk, M., Kobutree, P., Kawvised, S., Pairodsantikul, P. , Wongsas, P., & Moonkum, N. (2023). Properties of cement Portland composite prepared with Barium sulfate and Bismuth oxide for radiation shielding. Radiation Effects and Defects in Solids, 1-19. [DOI:10.1080/10420150.2023. 2294037]
2024	Journal of Nuclear Medicine Technology	Pairodsantikul, P. , Wongsas, P., Sudchai, W., Wimlopas, N., Kongkhun, R., Fangnok, N., & Boonsingma, N. (2024). Assessment of Area Radiation Dose for the National Cyclotron and PET Centre at Chulabhorn Hospital in Thailand. Journal of Nuclear Medicine Technology. [DOI: https://doi.org/10.2967/jnmt.123.266159]
2024	Radiation Physics and Chemistry	"Saiyo, N., Thongsawad, S., Jearaprasertporn, R., Buakao, C., Janthawanno, P., Pairodsantikul, P. , Jaemsri, S., & Paduka, S. (2024). Evaluation of normal organ doses for extended kV-CBCT protocol in para-aortic region treatment using nanoDot dosimeter. Radiation Physics and Chemistry, 222, 111850. [https://doi.org/10.1016/j.radphyschem].
2024	Journal of Nuclear Medicine Technology	Pairodsantikul, P. , Wongsas, P., Wongkri, C., Burasothikul, P., Jantarato, A., & Chotipanich, C. (2024). Diagnostic Reference Levels in PET Imaging at Chulabhorn Hospital, Thailand. Journal of Nuclear Medicine Technology. [DOI: https://doi.org/10.2967/jnmt.124.2675 76]
Teaching Course		
Student level	Course code	Course name
Undergraduate	CHPY202	Electronics
Undergraduate	CHRT201	Radiation Physics
Undergraduate	CHRT202	Radiation Dosimeter
Undergraduate	CHRT207	Radiation Protection

Undergraduate	CHRT309	Seminar and Research Methodology in Radiological Technology
Undergraduate	CHRT317	Physics and instrument in NM
Undergraduate	CHRT319	Nuclear Medicine Imaging and Clinical Application I
Undergraduate	CHRT320	Nuclear Medicine Imaging and Clinical Application II
Undergraduate	CHRT321	Professional Practice in Nuclear Medicine
Undergraduate	CHRT402	Medical Radiation Protection
Undergraduate	CHRT410	Advanced Professional Practice in Nuclear Medicine