NATHUPAKORN DECHSUPA

DEPARTMENT OF RADIOLOGIC TECHNOLOGY

RADIOLOGIC TECHNOLOGY
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Education

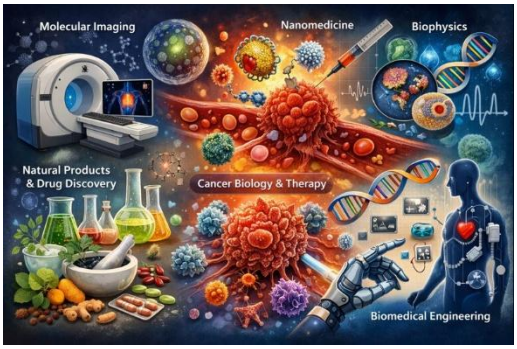
2001-2006	Chiang Mai University, Thailand Ph.D. (Biomedical Sciences)
1998-2001	Burapha University, Thailand M.Sc. (Biological Sciences)
1994-1998	Burapha University, Thailand B.Sc. (Physics)

Research areas of interest

- Biophysics
- Nanomedicine
- Molecular Imaging
- Biomedical Engineering
- Cancer Biology and Therapy
- Natural Products and Drug Discovery

Research theme

Discovery, Research and Development of Molecules from Natural products or Innovation for Imaging and Therapy



Publication

2026 1. Li, J.; Zhang, L.; Li, Q.; Zou, Y.; Ni, Y.; Kantapan, J.; **Dechsupa, N.**; Wang, L. Iron-quercetin complex ameliorates chronic kidney disease via inhibiting the renal TGF-β1/Smad3/Egr1 axis-mediated kidney injury and fibrosis. Tissue Cell 2026, 100, doi: 10.1016/j.tice.2026.103349.

2. **Dechsupa N**, Innuan P, Ihsan W, Korbuakesorn C, Siri K, Tepinta P, Ariyawatkul P, Khamphorn R, Phohiran S, Wen C, Laopajon W, Kantapan J. Iron–quercetin complex reprograms tumor-associated macrophages toward M1 phenotype and enables MRI tracking in ex vivo tumor-mimicking spheroids. Cancer Nano (2026). doi:10.1186/s12645-026-00362-5.

3. Chawapun P, Khamto N, Halimi YF, Utama K, Siriphong S, Janthong A**, Dechsupa N**, Kantapan J, Kungwan N, Rungrotmongkol T, Meepowpan P, Sangthong P. Targeting the phosphoinositide 3-kinase signaling pathway and epidermal growth factor receptor: The potential of dimethylcardamonin-derived amino acids in triple-negative breast cancer therapy. Bioorg Chem. 2026 Jan 7; 170: 109483. doi: 10.1016/j.bioorg.2026.109483.

4. Utama K, Khamto N, Halimi YF, Janthong A, Siriphong S, Chawapun P, **Dechsupa N**, Kantapan J, Van Doan H, Meepowpan P, Rungrotmongkol T, Roytrakul S, Sangthong P. Gallic acid-conjugated 2',4'-dihydroxy-6'-methoxy-3',5'-dimethylchalcone induces apoptosis and downregulates PI3K/Akt signaling through VEGFR-2 targeting in non-small cell lung cancer (NSCLC). Biomed Pharmacother. 2026 Jan 6;195:118968. doi: 10.1016/j.biopha.2025.118968.

2000-Published more than 34 original papers in international journals.

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