



Curriculum Vitae

Institute of Nutrition, Mahidol University (INMU)

999 Phutthamonthon 4 Rd., Salaya, Phutthamonthon

Name Jaruwan Khaoplab
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Current position Researcher, Human Nutrition Unit
นักปฏิบัติการวิจัย หน่วยมนุษยโภชนาการ

Education

2013-2017 M.Sc. (Forensic science), Faculty of Medicine Siriraj Hospital,
Mahidol University, Thailand

2009-2012 B.Sc. (Medical Technology), Faculty of Allied Health Sciences,
Naresuan University, Thailand

Research Interest and Expertise

- Metabolomic analysis of biomolecule, biological sample and food
- Proteomic analysis & Protein Identification by LC-MS/MS
- Biomarker analysis in human sample (Macronutrient & Micronutrient)
- Recombinant protein expression by *E.coli* cell
- DNA, Short Tandem Repeats (STRs), SNPs analysis

Research Experiences

- Research Scientist of Research & Development department, Establishment of Mahidol University Bio-industrial Development Center
 - Bacterial cultivation for target recombinant protein over expression
 - Protein purification and protein analysis (SDS-PAGE, Western blot, ELISA, Capillary Electrophoresis)
 - Protein Identification (In-gel digestion & Soluble digestion) by LC-QTOF
 - Quantitation amount of sample by LC-QQQ
- Biological sample analysis in Medical Laboratory (Human and animal sample)
- Certificate of medical technologist license

Training

- Liquid chromatography mass spectrometry (LC-QTOF and LC-QQQ)
- Capillary Electrophoresis, PA 800 plus
- Method development, Method validation and Method verification
- SOP & WI Writing for ISO & GMP
- Biosafety and Chemical safety



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Publications

National

1. Pankla, R., Jeekeeree, W., **Khaoplak, J.**, Laypak, S., Chopel, K., & Panomket, P. (2013). Detection of microfilaria in Myanmar immigrant workers by modified Knott's concentration technique. *J. Med. Tech. Phy. Ther*, 25, 43-49.

International

1. Thongkum, W., Yasamut, U., Chupradit, K., Sakkhachornphop, S., Wipasa, J., Sornsuan, K., Juntit, O., Pornprasit, R., Thongkamwitoon, W., Chaichanan, J., **Khaoplak, J.**, Chanpradab, C., Kasinrerak, W., & Tayapiwatana, C. (2021). Latticed Gold nanoparticle conjugation via monomeric streptavidin in lateral flow assay for detection of autoantibody to Interferon-Gamma. *Diagnostics*, 11(6), 987. <https://doi.org/10.3390/diagnostics11060987>