

Curriculum Vitae



KANTAPICH KONGPOL, PhD (Assistant Professor)

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Date of birth 20 November 1992

EDUCATION

2015 Bachelor of Science (Medical Technology), First class honor
Faculty of Allied Health Sciences, Naresuan University
Phitsanulok, Thailand
Bachelor project: Isolation and Characterization of Mesenchymal Stem
Cell Phenotypes from Isolated Dental Pulp Cells

2020 Ph.D. in Biomedical Science (Ph.D. Dissertation Defense in January 28,
2020), Faculty of Allied Health Sciences, Naresuan University
Phitsanulok, Thailand
Dissertation: Roles of Secretory Leukocyte Protease Inhibitor (SLPI) in
Vasculo-Cardioprotection Against *in vitro* Ischemia/Reperfusion Injury

PROFESSIONAL APPOINTMENT

2024- Present	Assistant Professor, Department of Biochemistry, Faculty of Medicine, Khon Kaen University, Khon Kaen, Thailand
2022-2024	Assistant Professor, Department of Medical Technology, School of Allied Health Sciences, Walailak University, Nakhon Si Thammarat, Thailand
2022-2024	Medical Technology International Curriculum Management and Development Committee, Medical technology International Program, School of Allied Health Sciences, Walailak University, Nakhon Si Thammarat, Thailand
2021-2022	Medical Technology Bilingual and International Curriculum Management and Development Committee, Medical technology International Program, School of Allied Health Sciences, Walailak University, Nakhon Si Thammarat, Thailand
2020-2021	Medical Technology Curriculum Management and Development Committee, Department of Medical Technology, School of Allied Health Sciences, Walailak University, Nakhon Si Thammarat, Thailand
2020-2022	Instructor, Department of Medical Technology, School of Allied Health Sciences, Walailak University, Nakhon Si Thammarat, Thailand

HONORS, AWARDS, AND FELLOWSHIPS

2015	1 st class honor
2015	Faculty of Allied Health Science Scholarship
2015-2016	Franco-Thai Scholarship
2015-2020	The Royal Golden Jubilee Ph.D. Scholarship
2020	Top 10 of Good Lecturer in School of Allied Health Science, Walailak University
2023	Star Lecturer in School of Allied Health Science, Walailak University

RESEARCH GRANT

2020	WU personal research grant [grant number: WU-IRG-64-017]
2022	WU personal research grant [grant number: WU-IRG-65-023]

PROFESSIONAL LICENSE

2015- Present	Medical Technology (M.T.), Thailand
2022- Present	Fellow, Advance Higher Education (AHE): PR243519

PRESENTATIONS AT INTERNATIONAL

- **Oral Presentations:**

Mar 2023	SAH INTERNATIONAL CONFERENCE 2023, Nakhon Si Thammarat, Thailand “ <i>Protective Effect of Phytoestrogen Loaded in Deep Eutectic Solvent (DES) on Vascular Endothelial Dysfunction</i> ”
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- **Poster Presentations:**

- Oct 2018 The International Congress of Diabetes Metabolism 2018, Seoul, Korea
“Metformin reduces in vitro cellular injury and oxidative stress production in hyperglycemic cardiac cells subjected to hypoxia/reoxygenation and cardiac tissue protein carbonylation in diabetic hearts subjected ischemia/reperfusion.”
- Oct 2018 The International Congress of Diabetes Metabolism 2018, Seoul, Korea
“Metformin reduces internal organs inflammation in non-obese diabetic rats.”

PRESENTATIONS AT NATIONAL AND REGIONAL MEETING

- **Oral Presentations:**

- Jun 2021 The 2021 National RGJ and RRI Conferences, Bangkok, Thailand *“Role of Secretory Leukocyte Protease Inhibitor (SLPI) in Vasculo-Cardioprotection Against In Vitro Ischemia/Reperfusion Injury.”*

- **Poster Presentations:**

- Apr 2022 Clinical and Translational Science, University of Kentucky, USA
“Oxidative stress-associated cerebrovascular pathology in Alzheimer’s disease.”
- Aug 2020 Thesis & Innovation Independent Study Awards 2020 for Graduate Students of Naresuan University, Phitsanulok, Thailand *“Role of Secretory Leukocyte Protease Inhibitor (SLPI) in Vasculo-Cardioprotection Against In Vitro Ischemia/Reperfusion Injury.”*

PEER REVIEWED ARTICLES

1. **Kongpol, K.**, Sermkaew, N., Makkliang, F., Khongphan, S., Chuaboon, L., Saksamas, A., Sakamoto, S., Putalun, W., & Yusakul, G. Extraction of curcuminoids and ar-turmerone from turmeric (*Curcuma longa* L.) using hydrophobic deep eutectic solvents (HDESs) and application as HDES-based microemulsions. *Food Chem.* 2022; 396: 133728.
2. Sarre C., Lopez R.C., Nerpernpisooth N., Barrere C., Bahraoui S., Terraza C., Tejedor G., Vincent A., Luz-Crawford P., **Kongpol K.**, Kumphune S., Piot C., Nargeot J., Jorgensen C., Djouad F., Barrere-Lemaire S. PPAR β/δ Priming Enhances the Anti-Apoptotic and Therapeutic Properties of Mesenchymal Stromal Cells in Myocardial Ischemia-Reperfusion Injury. *Stem Cell Res. Ther.* 2022; 13: 167.

3. **Kongpol, K.**, Chaihao, P., Shuapan, P., Kongduk, P., Chunglok, W., & Yusakul, G. (2022). Therapeutic hydrophobic deep eutectic solvents of menthol and fatty acid for enhancing anti-inflammation effects of curcuminoids and curcumin on RAW264.7 murine macrophage cells. *RSC Adv.* 2022; 12(27):17443-17453.
4. Sornsenee, P., Chatatikun, M., Mitsuwan, W., **Kongpol, K.**, Kooltheat, N., Sohbenalee, S., Pruksaphanrat, S., Mudpan, A., & Romyasamit, C. Lyophilized cell-free supernatants of *Lactobacillus* isolates exhibited antibiofilm, antioxidant, and reduces nitric oxide activity in lipopolysaccharide-stimulated RAW 264.7 cells. *Peer J.* 2021; 9: e12586.
5. Nokkaew N., Mongkolpathumrat P., Junsiri R., Jindaluang S., Tualamun N., Manphatthanakan N., Saleesee N., Intasang M., Sanit J., Adulyarittikul P., **Kongpol K.**, Kumphune S., Nernpermpisooth N. p38 MAPK inhibitor (SB203580) and metformin reduces Aortic protein carbonyl and inflammation in non-obese type 2 diabetic rats. *Indian J Clin Biochem.* 2021 Apr;36(2):228-234.
6. **Kongpol K.**, Yordsheewan R., Nernpermpisooth N., Kumphune S. Recombinant human secretory leukocyte protease inhibitor (rhSLPI) improved vessel preservation in experimental isolated rat arteries. *J Appl Pharm Sci*, 2020 Sep; 10(9):107-114
7. **Kongpol K.**, Prompunt E., Nernpermpisooth N., Kumphune S. Endothelial cell-derived human Secretory Leukocyte Protease Inhibitor (SLPI) protects cardiomyocytes against ischaemia/reperfusion injury. *Biomolecules.* 2019; 9 (11): 678- 697.
8. Adulyarittikul P., Sanit J., Nokkaew N., **Kongpol K.**, Mongkolpathumrat P., Rojviriya C., na Lampang S., Kumphune S. The effect of metformin and p38 MAPK inhibitor on diabetic bone porosity in non-obese type 2 diabetic rats. *J. Appl. Pharm. Sci.* 2019; 9(07): 082-090
9. Sanit S., Prompunt E., Adulyarittikul P., Nokkaew N., Mongkolpathumrat P., **Kongpol K.**, Kijawornrat A., Petchdee S., Barrère-Lemaire S., Nargeot J., Kumphune S. The Combination of metformin and p38 MAPK inhibitor reduced myocardial ischemia/reperfusion injury in non-obese type 2 diabetic Goto-Kakizaki (GK) rats. *Exp. Ther. Med.* 2019; 18 1701-1714
10. Nokkaew N., Sanit J., Mongkolpathumrat P., Boontawee S., Ithipruchyabun S., Plangklang W., Adulyarittikul P., **Kongpol K.**, Kumphune S. Anti-diabetic drug, metformin, and the p38 inhibitor (SB203580) reduces internal organs oxidative stress in non-obese type 2 diabetic rats. *J. Appl. Pharm. Sci.* 2019; 9 (2): 12-20
11. Mongkolpathumrat P., Nokkaew N., Adulyarittikul P., **Kongpol K.**, Sanit J., Pankhong P., Kumphune S. Diabetes induced internal organs inflammation in non-obese type 2 diabetic rats. *J. Appl. Pharm. Sci.* 2019; 9 (3): 41-49

PEER REVIEWED ABSTRACTS

1. Sakdamas, A., **Kongpol, K.**, Khongphan, S., Makkliang, F., Putalun, W., & Yusakul, G. (2021). The hydrophobic deep eutectic solvents for extraction of curcuminoids and ar-turmerone from the *Curcuma longa* L. *Planta Med* 2021; 87(15): 1307

CONFERENCE PROCEEDINGS

1. Pornthanate Seenak, **Kantapich Kongpol**, Phatiwat Chotimon, Boontharika Chuenjitkuntaworn, Arunya Jiraviriyakul, and Sarawut Kumphune. Isolated human dental pulp stem cell failed to be induced to swine valvular interstitial cell: The limitation of species differences. The 13th Naresuan University Conference. 20-21 July 2017. Naresuan University, Phitsanulok. Thailand