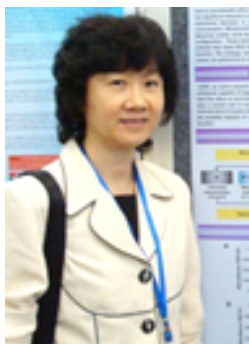


Curriculum Vitae

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Marital Status Single

EDUCATION

1980-1984 B.Sc. (Nursing & Midwifery), Hons., Chiang Mai University, Chiang Mai, Thailand
1990-1992 M.Sc. (Physiology), Department of Physiology, Faculty of Medicine, Chiang Mai University, Chiang Mai, Thailand
1997-2000 Ph.D. (Physiology), Department of Physiology, School of Medicine & Dentistry, University of Birmingham, Birmingham, UK

HONORS AND AWARDS

1997-2000 The Royal Thai Government Scholarship, Bangkok, Thailand
1998-2000 The Overseas Research Students Awards (ORS Awards) from the Committee of Vice-Chancellors and Principals of the Universities of the United Kingdom
2002 Investigator Award (Basic Sciences, Third prize), the 26th Annual Scientific Meeting on Mahidol's Day, Chiang Mai, Thailand.
2004 Investigator Award (Basic Sciences, Third prize), the 28th Annual Scientific Meeting on Mahidol's Day, Chiang Mai, Thailand.
2006 Investigator Award (Basic Sciences, Third prize), the 30th Annual Scientific Meeting on Mahidol's Day, Chiang Mai, Thailand.

PROFESSIONAL APPOINTMENT

1992-2001	Instructor, Department of Physiology, Faculty of Medicine, Chiang Mai University, Chiang Mai, Thailand
2001-2006	Assistant professor, Department of Physiology, Faculty of Medicine, Chiang Mai University, Chiang Mai, Thailand
2006-Present	Associate professor, Department of Physiology, Faculty of Medicine, Chiang Mai University, Chiang Mai, Thailand

PROFESSIONAL ACTIVITIES

Critical Reviewer of Manuscripts for:

2000-2003	Chiang Mai Medical Bulletin
2006-2011	Evidence Based Complementary and Alternative Medicine
2006-2007	Cell Biology International
2007-Present	Medical Science Monitor
2008-2011	International Journal of Biomedical Science
2008	The American Journal of Case Report
2008-2010	Journal of Physiological and Biomedical Sciences
2009-2011	International Journal of Medicine and Medical Sciences
2011	Srinakarin Medical Journal
2011-Present	Food and Chemical Toxicology
2012	African Journal of Pharmacy and Pharmacology
2012	Journal of Molecular Histology
2012-2014	Biochemistry and Biotechnology Research
2013	Current Medicinal Chemistry
2013-Present	Srinakarin Medical Journal
2013	Histology Histopathology
2014	Journal of Physiology and Pathophysiology
2014-Present	British Journal of Pharmaceutical Research
2014	International Journal of Biochemistry Research & Review
2015	Mini-Reviews in Medicinal Chemistry
2015	Journal of Traditional and Complementary Medicine
2015	Cardiology and Angiology: An International Journal
2015	Journal of Laboratory Medicine
2016	Journal of Advances in Medical and Pharmaceutical Sciences
2016-Present	Scientific Reports
2016	Journal of Basic and Clinical Physiology and Pharmacology
2016	Food & Function
2016-Present	American Journal of Case Reports
2016	Asian Journal of Urology
2016	Burapa Science Journal
2017	Huachiew Chalermprakiet Journal
2018	Drug Delivery
2018	Toxin Reviews
2018-Present	Medical Science Monitor-Basic Research
2018	Journal of Pineal Research

2018-Present	Naunyn Schmiedebergs Archive of Pharmacology
2018	Clinical Nutrition Experimental
2019-Present	Current Drug Target
2019	Annals of Transplantation
2020	Histology and Histopathology
2020	Journal of Hazardous Materials

PRESENTATIONS AT NATIONAL MEETINGS

August 2001	“The 19 th Annual Health Sciences Meeting, Research Institute for Health Sciences”, Chiang Mai, Thailand
September 2001	“The 25 th Annual Scientific Meeting on Mahidol’s Day, Faculty of Medicine”, Chiang Mai, Thailand
September 2002	“The 26 th Annual Scientific Meeting on Mahidol’s Day, Faculty of Medicine”, Chiang Mai, Thailand
October 2002	“The 20 th Annual Health Sciences Meeting, Research Institute for Health Sciences”, Chiang Mai, Thailand
April 2003	“The 26 th Annual Meeting of Anatomy Society, The Society of Anatomy of Thailand”, Rayong, Thailand
September 2003	“The 27 th Annual Scientific Meeting on Mahidol’s Day, Faculty of Medicine”, Chiang Mai, Thailand
May 2004	“The 33 th Annual Scientific Meeting of The Physiology Society of Thailand”, Rayong, Thailand
August 2004	“The 4 th National Symposium on Graduate Research”, Chiang Mai, Thailand
September 2004	“The 28 th Annual Scientific Meeting on Mahidol’s Day”, Faculty of Medicine, Chiang Mai, Thailand
August 2005	“The Annual Scientific Meeting of The Nephrology Society of Thailand”, Bangkok, Thailand
September 2005	“The 29 th Annual Scientific Meeting on Mahidol’s Day”, Faculty of Medicine, Chiang Mai, Thailand
September 2006	“The 30 th Annual Scientific Meeting on Mahidol’s Day”, Faculty of Medicine, Chiang Mai, Thailand
December 2008	“The 4 th Chiang Mai University Academic Days”, Chiang Mai University, Chiang Mai, Thailand
May 2010	“The 39 th Annual Scientific Meeting of The Physiology Society of Thailand”, Pattaya, Thailand (2 abstracts)
May 2011	“The 21 st National Graduate Research Conference”, Bangkok, Thailand
May 2012	“The 41 st Annual Scientific Meeting of The Physiology Society of Thailand”, Bangkok, Thailand
November 2012	“The 3 rd CMU Graduate Research Conference”, Chiang Mai, Thailand
December 2016	“The 44 th Annual Scientific Meeting of The Physiology Society of Thailand”, Chiang Mai, Thailand (3 abstracts)
March 2018	“The 19 th National Graduate Research Conference”, Khon Kaen, Thailand

PRESENTATIONS AT INTERNATIONAL MEETINGS

May 1992	9 th Asian Colloquium in Nephrology, The Asian Pacific Congress of Nephrology, Seoul, Korea
April 1999	3 rd Baltic Meeting on Nephrology, The Lithuanian Academy of Sciences, Vilnius, Poland
March 1999	University of Manchester Scientific Meeting, The British Physiological Society, Manchester, United Kingdom
December 1999	University of Birmingham Scientific Meeting, The British Physiological Society, Birmingham, United Kingdom
July 2000	University of Cambridge Scientific Meeting, The British Physiological Society, Cambridge, United Kingdom
June, 2013	8 th Asia Pacific Conference on Clinical Nutrition, Tokyo, Japan (2 abstracts)
July, 2013	The Burapa University International Conference, Pattaya, Thailand (2 abstracts)
July, 2014	The Burapa University International Conference, Pattaya, Thailand (3 abstracts)
February 2017	6 th International Graduate Research Conference, Chiang Mai, Thailand (2 abstracts)
January 2018	1 st International Conference on Innovation of Functional Foods in Asia, Phayao, Thailand (3 abstracts)
May 2018	9 th International Graduate Research Conference, Chiang Mai, Thailand
March 2019	9 th Federation of the Asian and Oceanian Physiological Societies (FAOPS) Congress, Kobe, Japan (2 abstracts)

ACADEMIC ACTIVITIES

Graduate Student's Dissertation Committees

1. ANONGPORN KOBROOB, B.Sc., Chair of the Master Degree Committee
Topic: Effects of Caffeic Acid Phenetyl Ester on Structure and Function of Isolated Rat Kidney Mitochondria Following Cadmium Exposure (Physiology)
2. WACHIRASEK PEERAPANYASUT, D.V.M., Chair of the Master Degree Committee
Topic: Effects of Ubiquinol on Renal Ischemia and Reperfusion injury in rats (Physiology)
3. WARUT POONTAWEE, M.Sc., Member of the Doctoral Degree Committee
Topic: In Vitro and In Vivo Antioxidative Potential of Extracts from Proanthocyanidin Rich Fruits (Pharmacy)
4. LEURAT SUPARAT, B.Sc., Member of the Master Degree Committee
Topic: The Effects of Garlic Extract on Cardiac Function in Long-Term High-Fat Diet Consumption Induced Insulin Resistant Rats (Physiology)
5. PARICHAT TOEJING, B.Sc., Member of the Master Degree Committee
Topic: Effect of Purple Rice Hull Extract on Hepatic Gluconeogenesis in Experimental Diabetic Rats (Physiology)
6. ANONGPORN KOBROOB, M.Sc., Chair of the Doctoral Degree Committee
Topic: Effects of Bisphenol A on the Kidney and the Protection by Melatonin in Wistar Rats (Physiology)

7. JANNARONG INTAKHAD, B.Sc., Member of the Master Degree Committee
Topic: Protective Effects of Purple Rice Husk Extract on Oxidative Stress-Induced Pancreatic Injury in Hyperglycemic Wistar Rats (Physiology)
8. WACHIRASEK PEERAPANYASUT D.V.M., Chair of the Doctoral Degree Committee
Topic: Protective Effect of N-acetylcysteine on Renal Outcomes Following Renal Ischemia and Reperfusion in Bisphenol A-Exposed Wistar Rats (Physiology)
9. PARICHAT TOJING, M.Sc., Member of the Doctoral Degree Committee
Topic: Evaluating the Effects of Probiotic *Lactobacillus paracasei* HII01 on Modulating Gut Microbes and Antidiabetic Effects in Type 2 Diabetes Mellitus (Physiology)

Special Academic Appointments

2000-Present	Graduate School Faculty, Chiang Mai University, Chiang Mai, Thailand
2015-Present	Committee of the Faculty of Medicine Endowment Fund for Research, Faculty of Medicine, Chiang Mai University, Chiang Mai, Thailand
2016-Present	Animal Care and Use Committee, Faculty of Medicine, Chiang Mai University, Chiang Mai, Thailand
2017-Present	Vice-President of Institutional Animal Care and Use Committee (IACUC), Chiang Mai University, Chiang Mai, Thailand

RESEARCH GRANT SUPPORT

05/2018-05/2020	The Faculty of Medicine Endowment Fund for Research, Faculty of Medicine, Chiang Mai University (PI). “Protective Effect of N-acetylcysteine on Renal Ischemia and Reperfusion Injury in Bisphenol A-Exposed Wistar Rats”.
06/2018-06/2020	The Faculty of Medicine Endowment Fund for Research, Faculty of Medicine, Chiang Mai University (PI). “Protective Effect of N-acetylcysteine on Liver as a Remote Organ Injury Following Renal Ischemia and Reperfusion in Bisphenol A-Exposed Wistar Rats”.
11/2018-05/2020	The Faculty of Medicine Endowment Fund for Research, Faculty of Medicine, Chiang Mai University (PI). “Therapeutic Efficacy of N-acetylcysteine on Renal Deterioration Caused by Long Term Bisphenol A Exposure in Wistar Rats”.

PREVIOUS GRANT SUPPORT

1997-2000	The National Research Council of Thailand (Co-PI). “Possible beneficial effect of ethanol on the development of ventricular fibrillation in hypothermia”.
2000-2002	Institute for Science and Technology Research and Development (Co-PI). “Research and development of natural products for blood glucose lowering effect”.
2002-2005	China Medical Board, Chiang Mai University (PI). “Effects of trolox on renal ischemia-reperfusion injury in rats”.

- 2003-2005 China Medical Board, Chiang Mai University (Co-PI). "Impact of dietary fat proportion on the energy metabolism in trained rat".
- 2004-2005 The Professor Nath Bhamornpravat Research Fund for Medical Science, Chiang Mai University (PI). "Effect of aged garlic extract on renal dysfunction induced by cyclosporine in rats".
- 2005-2007 The Faculty of Medicine Endowment Fund for Research, Faculty of Medicine, Chiang Mai University (PI). "Effects of *Allium ascalonicum* on cyclosporin nephrotoxicity in rats".
- 2007-2009 The Faculty of Medicine Endowment Fund for Research, Faculty of Medicine, Chiang Mai University (Co-PI). "Effect of caffeic acid phenethyl ester on scopolamine-induced learning and memory impairment in rat".
- 2008-2010 The Faculty of Medicine Endowment Fund for Research, Faculty of Medicine, Chiang Mai University (PI). "Effect of caffeic acid phenethyl ester on cyclosporin nephrotoxicity in rats".
- 2010-2012 The Faculty of Medicine Endowment Fund for Research, Faculty of Medicine, Chiang Mai University (PI). "Effect of alpha-lipoic acid on renal oxidative stress and histopathological alterations in rats with obstructive nephropathy".
- 2011-2012 The Faculty of Medicine Endowment Fund for Research, Faculty of Medicine, Chiang Mai University (PI). "Effect of caffeic acid phenethyl ester on structure and function of isolated rat kidney mitochondria following cadmium exposure".
- 2011-2013 The Faculty of Medicine Endowment Fund for Research, Faculty of Medicine, Chiang Mai University (PI). "Effect of caffeic acid phenethyl ester on cadmium-induced mitochondrial oxidative stress in isolated rat kidney mitochondria".
- 03/2013-03/2014 The Faculty of Medicine Endowment Fund for Research, Faculty of Medicine, Chiang Mai University (PI). "Effect of ubiquinol on renal ischemia and reperfusion injury".
- 02/2014-03/2016 The Faculty of Medicine Endowment Fund for Research, Faculty of Medicine, Chiang Mai University (PI). "Effect of catechin on cadmium nephrotoxicity in Wistar rats".
- 03/2015-04/2016 National Research University Project-Chiang Mai University (Co-PI). "Antihyperglycemic and antioxidant potentials of purple rice hull extract in type 2 diabetic rats".
- 07/2015-08/2016 The Faculty of Medicine Endowment Fund for Research, Faculty of Medicine, Chiang Mai University (Co-PI). "Evaluating the possible impacts of long-term supplementation of fish oil enriched monounsaturated fatty acids on antihyperglycemic and antihyperlipidemic efficacy of metformin in type II diabetic rats".
- 05/2016-05/2017 The Faculty of Medicine Endowment Fund for Research (Preliminary grant), Faculty of Medicine, Chiang Mai University (PI). "A preliminary study to the effects of bisphenol A in the kidney".
- 08/2016-02/2018 The Faculty of Medicine Endowment Fund for Research, Faculty of Medicine, Chiang Mai University (PI). "Effects of bisphenol A on the kidney mitochondria and the possible protection by melatonin".

12/2016-02/2018	The Faculty of Medicine Endowment Fund for Research, Faculty of Medicine, Chiang Mai University (PI). “Evaluating the renoprotective potential of melatonin in rats chronically exposed to bisphenol A”.
05/2017-03/2018	The Faculty of Medicine Endowment Fund for Research (Preliminary grant), Faculty of Medicine, Chiang Mai University (PI). “Preliminary studies on the impacts of renal ischemia and reperfusion on kidney and liver functions in rats contaminated with bisphenol A”.
10/2017-10/2018	The Faculty of Medicine Endowment Fund for Research, Faculty of Medicine, Chiang Mai University (PI). “Effects of bisphenol A on the kidney and the protection by melatonin in Wistar rats”.
10/2017-12/2018	NRMS ทุนงบประมาณแผ่นดินประจำปี 2561 (PI) “Protective potential of purple rice hull extracts against renal deterioration in type 2 diabetic rats”.

RESEARCH FIELDS OF INTEREST

1. Kidney function in health and diseases
2. Oxidative stress and mitochondria
3. Herb and natural products
4. Food and chemical toxicology

PEER REVIEWED ARTICLES

1. Peerapanyasut W, Kobroob A, Palee S, Chattipakorn N, **Wongmekiat O**. N-acetylcysteine attenuates the increasing severity of distant organ liver dysfunction after acute kidney injury in rats exposed to bisphenol A. *Antioxidants (Basel)* 2019, 8(10), 497; doi: 10.3390/antiox8100497.
2. Peerapanyasut W, Kobroob A, Palee S, Chattipakorn N, **Wongmekiat O**. Bisphenol A aggravates renal ischemia-reperfusion injury by disrupting mitochondrial homeostasis and N-acetylcysteine mitigates the injurious outcomes. *IUBMB Life*. 2019 Oct; 6: doi: 10.1002/iub.2175.
3. Peerapanyasut W, Kobroob A, Palee S, Chattipakorn N, **Wongmekiat O**. Activation of sirtuin 3 and maintenance of mitochondrial integrity by N-acetylcysteine protects against bisphenol A-induced kidney and liver toxicity in rats. *Int J Mol Sci*. 2019 Jan; 20(2): 267. doi:/10.3390/ijms20020267.
4. **Wongmekiat O**, Peerapanyasut W, Kobroob A. Catechin supplementation prevents kidney damage in rats repeatedly exposed to cadmium through mitochondrial protection. *Naunyn Schmiedebergs Arch Pharmacol*. 2018 Apr;391(4):385-394. doi: 10.1007/s00210-018-1468-6.
5. Kobroob A, Peerapanyasut W, Chattipakorn N, **Wongmekiat O**. Damaging effects of bisphenol A on the kidney and the protection by melatonin: Emerging evidences from *in vivo* and *in vitro* studies. *Oxid Med and Cell Longev* 2018, Volume 2018, Article ID 3082438, 15 pages, doi:org/10.1155/2018/3082438.
6. Poontawee W, Natakankitkul S, **Wongmekiat O**. Protective effect of *Cleistocalyx nervosum* var. *paniala* fruit extract against oxidative renal damage caused by cadmium. *Molecules* 2016, 21(2), pii: E133. doi: 10.3390/molecules21020133133.

7. Poontawee W, Natakankitkul S, **Wongmekiat O**. Enhancing phenolic contents and antioxidant potentials of *Antidesma thwaitesianum* by supercritical carbon dioxide extraction. *J Anal Methods Chem* 2015; Article ID 956298, 7 pages, 2015. doi: 10.1155/2015/956298.
8. Peerapanyasut W, Thamprasert K, **Wongmekiat O**. Ubiquinol supplementation protects against renal ischemia and reperfusion injury in rats. *Free Radic Res* 2014; 48(2):180-9. doi: 10.3109/10715762.2013.858148.
9. **Wongmekiat O**, Leelarugrayub N, Thamprasert K. Alpha-lipoic acid attenuates renal injury in rats with obstructive nephropathy. *Biomed Res Int* 2013; Article ID 138719, 7 pages, 2013. doi:10.1155/2013/138719.
10. Kobroob A, Chattipakorn N, **Wongmekiat O**. Caffeic acid phenethyl ester ameliorates cadmium-induced kidney mitochondrial injury. *Chem Biol Interact* 2012; 200: 21-7.
11. **Wongmekiat O**, Gomonchareonsiri S, Thamprasert K. Caffeic acid phenethyl ester protects against oxidative stress-related renal dysfunction in rats treated with cyclosporin A. *Fundam Clin Pharmacol* 2011; 25: 619-26.
12. **Wongmekiat O**, Leelarugrayub N, Thamprasert K. Beneficial effect of shallot (*Allium ascalonicum L.*) extract on cyclosporine nephrotoxicity in rats. *Food Chem Toxicol* 2008; 46: 1844-50.
13. **Wongmekiat O**, Thamprasert K, Lumlertgul D. Renoprotective effect of trolox against ischaemia-reperfusion injury in rats. *Clin Exp Pharmacol Physiol* 2007; 34: 753-9.
14. **Wongmekiat O**, Thamprasert K. Investigating the protective effects of aged garlic extract on cyclosporin-induced nephrotoxicity in rats. *Fundam Clin Pharmacol* 2005; 19: 555-62.
15. **Wongmekiat O**, Johns EJ. Differential roles of endothelin on the volume homeostasis in type I and type II diabetic rat model. *Chiang Mai Med Bull* 2003; 42(4): 149-59.
16. **Wongmekiat O**, Johns EJ. Significance of endothelin on volume homeostasis in obese Zucker rats. *Clin Exp Pharmacol Physiol* 2003; 30(9): 702-8.
17. Pongchaidecha A, **Wongmekiat O**, Apisariyakul A. Effect of *Coccinia grandis* on glycemic control in streptozotocin-diabetic rats. *TJPEN* 2003; 14(1): 18-23.
18. **Wongmekiat O**, Johns EJ. Endothelin as a causative factor of blunted volume reflex in diabetic rats. *Br J Pharmacol* 2003; 138: 1403-10.
19. **Wongmekiat O**. Roles of endothelins in the normal kidney. *JNST* 2002; 8(1): 1-10.
20. **Wongmekiat O**, Johns EJ. Role of endogenous endothelin on the volume regulation mechanisms in anesthetized Wistar rats. *Thai J Physiol Sci* 2001; 14(1): 17-32.
21. **Wongmekiat O**, Pongchaidecha A, Saenphet S. Impacts of ethanol on the development of ventricular fibrillation in hypothermia. *Chiang Mai Med Bull* 2001; 40(3): 119-26.
22. **Wongmekiat O**, Johns EJ. Interactions between nitric oxide and renal nerves in the excretion of a saline load in obese Zucker rats. *Clin Sci* 2001; 101: 275-83.
23. **Wongmekiat O**, Johns EJ. Contribution of endothelial nitric oxide synthase in the blunted renal responses to volume expansion in diabetic rats. *Experimental Physiol* 2001; 86.4: 481-8.
24. **Wongmekiat O**, Johns EJ. Role of nitric oxide and renal nerves in the renal responses to acute volume expansion in anaesthetized rats. *Experimental Physiol* 2001; 86.1: 47-54.

25. **Wongmekiat O.** Physiologic significance of nitric oxide to the kidney function. *Chiang Mai Med Bull* 2001; 40(4): 205-15.
26. **Wongmekiat O.** Insights into mechanisms of obesity-induced hypertension. *Chiang Mai Med Bull* 2000; 40(1): 43-51.
27. Johns EJ, **Wongmekiat O.** Renal responses to volume expansion in diabetic rats : role of nitric oxide. *Acta Medica Lituanica* 2000; suppl 4: 39-42.
28. Lumlertgul D, Krairhittichai U, **Wongmekiat O**, Ekmahachai N, Keoplung M, Thamprasert K. Fatal wasp sting. *Intern Med* 1991; 7: 24-8.
29. Lumlertgul D, **Wongmekiat O**, Sirivanichai C, Hutdagoon P, Keoplung M, Conger JD, Schrier RW. Intrarenal infusion of gallopamil in acute renal failure. *Drugs* 1991; 42(suppl 1): 44-50.
30. Lumlertgul D, Hutdagoon P, Sirivanichai C, Keoplung M, **Wongmekiat O**, Nitsin S, Sangchun G. Beneficial effect of intrarenal verapamil in human acute renal failure. *Renal Failure* 1990; 11(4): 201-8.

PEER REVIEWED ABSTRACTS

1. Kobroob A, Peerapanyasut W, Kumfu S, Chattipakorn N, **Wongmekiat O.** Melatonin activates sirtuin 3 to protect the kidney from long-term consequences of bisphenol A. 9th Federation of the Asian and Oceanian Physiological Societies (FAOPS) Congress, Kobe, Japan, March 2019.
2. **Wongmekiat O**, Lailerd N, Kobroob A, Peerapanyasut W. Purple rice husk extract preserves mitochondrial integrity and reduces diabetic kidney injury. 9th Federation of the Asian and Oceanian Physiological Societies (FAOPS) Congress, Kobe, Japan, March 2019.
3. Peerapanyasut W, Kobroob A, Chattipakorn N, **Wongmekiat O.** N-acetylcysteine ameliorates renal injury following ischemia and reperfusion in bisphenol A-contaminated rats. 9th International Graduate Research Conference, Chiang Mai, Thailand. May 2018.
4. Kobroob A, Peerapanyasut W, Chattipakorn N, **Wongmekiat O.** Melatonin prevents renal toxicity caused by long-term bisphenol A exposure. 1st International Conference on Innovation of Functional Foods in Asia, Phayao, Thailand. January 2018. PP-27.
5. Peerapanyasut W, Kobroob A, Chattipakorn N, **Wongmekiat O.** Aggravation of ischemic acute kidney injury by bisphenol A. 1st International Conference on Innovation of Functional Foods in Asia, Phayao, Thailand. January 2018. PP-36.
6. **Wongmekiat O**, Lailerd N, Kobroob A, Peerapanyasut W. Protective potential of purple rice husk extracts against diabetic nephropathy. 1st International Conference on Innovation of Functional Foods in Asia, Phayao, Thailand. January 2018. PP-44.
7. Intakhad J, Toejing P, Keapai W, Wongpoomchai R, **Wongmekiat O**, Lailerd N. Purple rice husk extract ameliorates oxidative stress in pancreatic tissue of type 2 diabetic rats. Proceedings of the 6th International Graduate Research Conference, Chiang Mai, Thailand. February 2017.
8. Kobroob A, Chattipakorn N, **Wongmekiat O.** A detrimental impact of bisphenol A on the kidney. Proceedings of the 6th International Graduate Research Conference, Chiang Mai, Thailand. February 2017.

9. Kobroob A, Peerapanyasut W, Chattipakorn N, **Wongmekiat O**. Short-term exposure to bisphenol A induces nephrotoxicity through mitochondrial dysfunction. Proceedings of the 44th Physiological Society of Thailand's Annual Conference, Chiang Mai, Thailand. December 2016: Poster number 7.
10. Peerapanyasut W, Kobroob A, Chattipakorn N, **Wongmekiat O**. Direct impact of bisphenol A on kidney mitochondria and the protection by catechin: emerging evidence from an isolated rat kidney mitochondrial study. Proceedings of the 44th Physiological Society of Thailand's Annual Conference, Chiang Mai, Thailand. December 2016: Poster number 6.
11. Intakhad J, Toejing P, Keapai W, **Wongmekiat O**, Lailerd N. Purple rice husk extract attenuates metabolic alterations in experimental diabetic rats via its protection on the pancreatic tissues. Proceedings of the 44th Physiological Society of Thailand's Annual Conference, Chiang Mai, Thailand. December 2016: Poster number 1.
12. Poontawee W, Kobroob A, Peerapanyasut W, Natakankitkul S, **Wongmekiat O**. Characterization of Phenolic Contents and Associated Antioxidant Potentials of *Antidesma thwaitesianum* Muell. and *Morus alba* Linn. Proceedings of the Burapa University International Conference, Pattaya, Thailand. July 2014: P30.
13. Poontawee W, Peerapanyasut W, Kobroob A, Natakankitkul S, **Wongmekiat O**. Impact of Supercritical Fluid Extraction Technique on Antioxidant Properties of *Cleistocalyx nervosum* var. *paniala*. Proceedings of the Burapa University International Conference, Pattaya, Thailand. July 2014: P27.
14. Poontawee W, Kobroob A, Peerapanyasut W, Natakankitkul S, **Wongmekiat O**. Antioxidant Health Benefits of *Cleistocalyx nervosum* var. *paniala* in Rats with Cadmium Nephrotoxicity. Proceedings of the Burapa University International Conference, Pattaya, Thailand. July 2014: P25. (Best poster award)
15. Peerapanyasut W, **Wongmekiat O**, Thamprasert K. Protective effects of the reduced form of coenzyme Q10 (ubiquinol) on ischemic acute renal failure. Proceedings of the Burapa University International Conference, Pattaya, Thailand. July 2013: P17.
16. Kobroob A, Chattipakorn N, **Wongmekiat O**. Differential effects of caffeic acid phenethyl ester on isolated rat kidney mitochondrial structure and function. Proceedings of the Burapa University International Conference, Pattaya, Thailand. June 2013: P33.
17. Peerapanyasut W, **Wongmekiat O**, Thamprasert K. Renoprotective Effect of Liposomal Ubiquinol on Acute Kidney Injury following Ischemia and Reperfusion. Proceedings of the 8th Asia Pacific Conference on Clinical Nutrition, Tokyo, Japan. June 2013: P398.
18. **Wongmekiat O**, Leelarungrayub N, Thamprasert K. Alpha-lipoic acid reduces oxidant-induced renal injury in rats with obstructive nephropathy. Proceedings of the 8th Asia Pacific Conference on Clinical Nutrition, Tokyo, Japan. June 2013: P398.
19. Kobroob A, Chattipakorn N, **Wongmekiat O**. Amelioration of cadmium-induced kidney mitochondrial injury by caffeic acid phenethyl ester. Proceedings of the 41st Physiological Society of Thailand's Annual Conference, Bangkok, Thailand. May 2012: Poster number 9.
20. **Wongmekiat O**, Gomonchareonsiri S, Thamprasert K. Protection of cyclosporine nephrotoxicity by caffeic acid phenethyl ester. Proceedings of the 39th Physiological Society of Thailand's Annual Conference, Pattaya, Thailand. 2010: P11; 129.

21. Gomonchareonsiri S, **Wongmekiat O**. Protective effect of caffeic acid phenethyl ester against amnesia in scopolamine-treated rats. Proceedings of the 39th Physiological Society of Thailand's Annual Conference, Pattaya, Thailand. 2010: P10; 128.
22. **Wongmekiat O**, Leelarungrayub N, Thamprasert K. Beneficial effects of shallot extract on cyclosporin nephrotoxicity in rats. Chiang Mai Med Bull 2006, 45(3) suppl: 3.
23. **Wongmekiat O**, Pongchaidecha A, Lumlertgul D. Protective effects of trolox on renal ischemia-reperfusion injury in rats. Chiang Mai Med Bull 2005, 44(3) suppl: 8.
24. **Wongmekiat O**, Pongpanparadorn A. Aged garlic extract ameliorates renal dysfunction induced by cyclosporine in rats. Chiang Mai Med Bull 2004, 43(3) suppl: 67.
25. Pratchayasakul W, Pongchaidecha A, **Wongmekiat O**, Khansuwan U. Influence of dietary fat proportion on tissue substrate utilization in trained rat. Proceedings of the 4th National Symposium on Graduate Research, Chiang Mai, Thailand. 2004: 1; 219.
26. Pratchayasakul W, Pongchaidecha A, **Wongmekiat O**, Khansuwan U. Impact of dietary fat proportion on the endurance capacity in trained rat. Proceedings of the 33th Annual Scientific Meeting of the Physiology Society of Thailand, Rayong, Thailand. 2004: 1; 28.
27. Apisariyakul A, Pongchaidecha A, **Wongmekiat O**, Thanachit N. Hypoglycemic effect of *Momordica charantia* Linn. Chiang Mai Med Bull 2003; 42(3) suppl: 17.
28. **Wongmekiat O**, Johns EJ. ET_B receptor subtype mediating the deranged volume reflex in streptozotocin-diabetic rats. Chiang Mai Med Bull 2002; 41(3) suppl: 14.
29. Apisariyakul A, Pongchaidecha A, **Wongmekiat O**, Thanachit N. Research and development of natural products for blood glucose lowering effect. Chiang Mai Med Bull 2001; 40(3) suppl: 36.
30. **Wongmekiat O**, Johns EJ. Roles of endothelial nitric oxide synthase in the blunted renal excretory responses to volume expansion in anaesthetised diabetic rats. J Physiol 2000; 527P, 12P.
31. **Wongmekiat O**, Johns EJ. The contribution of endothelins to the blunted renal responses to volume expansion in anaesthetised diabetic rats. J Physiol 2000; 523P: 211P.
32. **Wongmekiat O**, Johns EJ. The influence of L-NAME on the renal excretory responses to volume expansion in normal and diabetic anaesthetised rats. J Physiol 1999; 517P: 85P.

CONFERENCE SHORT PAPERS AND ABSTRACTS

1. Intakhad J, Toejing P, Kobroob A, Keapai W, Wongpoomchai R, **Wongmekiat O**, Lailerd N. Therapeutic Efficacy of Purple Rice Husk Extract on Pancreatic Damage in High Fat-Streptozotocin Induced Diabetic Rats. Proceedings of the 19th National Graduate Research Conference, Khon Kaen, Thailand. March 2018: MMP19-9; 900-7.
2. Tojing P, Keapai W, Apichai S, **Wongmekiat O**, Wongpoomchai R, Lailerd N. Purple rice hull extract ameliorates hyperglycemia in high fat diet plus streptozotocin-induced diabetic rats via suppression of hepatic gluconeogenesis. Proceedings of the International Graduate Research Conference, Chiang Mai, Thailand. December 2015: HS113-119.

3. Peerapanyasut W, **Wongmekiat O**. Ubiquinol ameliorates renal dysfunction and structural damage following acute ischemia-reperfusion injury in rats. Proceedings of the 3rd CMU Graduate Research Conference, Chiang Mai, Thailand. November 2012: HS16-21.
4. Kobroob A, Chattipakorn N, **Wongmekiat O**. Caffeic acid phenethyl ester attenuates cadmium-induced kidney mitochondrial damage. Proceedings of the 21st National Graduate Research Conference, Bangkok, Thailand. 2011: P398-404.