

Curriculum Vitae

CHUTIMA S. VADDHANAPHUTI, Ph.D.



Office Address: Department of Physiology, Faculty of Medicine
Chiang Mai University
110 Intravaroros Road
Sriphum District, Muang, Chiang Mai 50200
Thailand
Phone : 66-53-935-362-4 # 121
Fax : 66-53-935-365
E-mail : chutima.srimaroeng@cmu.ac.th , cs.physiol@gmail.com

Marital Status Married

EDUCATION

1994-1997 B.Sc. (Physical Therapy), Faculty of Medical Sciences, Khonkaen University, Thailand
1999-2004 Ph.D. (Physiology), Department of Physiology, Mahidol University, Bangkok, Thailand

PROFESSIONAL APPOINTMENT

1997–1999 Physical Therapist at St.Mary Hospital, Nakhonratchasima, Thailand
2008-Present Instructor, Department of Physiology, School of Medicine, Chiang Mai University, Chiang Mai, Thailand

HONORS AND AWARDS

1997 Second degree Honor in B.Sc (Physical Therapy)
2001 – 2004 Royal Golden Jubilee Ph.D. Program from the Thailand Research Fund (RGJ-Ph.D., Grant no. PHD/0044/2544)
2002 – 2003 Basic Research Grant for RGJ grant holder from the Thailand

	Research Fund (Grant no. BGJ4580017)
2002-2003	Pre-doctoral visiting fellowship from NIEHS/NIH, North Carolina, USA
2005-2008	Post-doctoral visiting fellowship from NIEHS/NIH, North Carolina, USA
April 2011	Travel grant award to 4 th Asian Pacific Regional International Society for the Study of Xenobiotics (ISSX) 2011, Tainan, Taiwan
May 2014	Travel grant award to 14 th Asian Pacific Congress of Nephrology (APCN) 2014, Shinagawa, Japan
October 2014	Researcher award by Faculty of Medicine, Chiang Mai University, Chiang Mai, Thailand
January 2015	Researcher award by Graduate studies, Faculty of Medicine, Chiang Mai University, Chiang Mai, Thailand
May 2016	Special award to 8 th European Exhibition of Creativity and Innovation, EUROINVENT@2016, Iasi, Romania
May 2016	“Lucian Blaga” University of Sibiu, Romania award to 8 th European Exhibition of Creativity and Innovation, EUROINVENT@2016, Iasi, Romania
May 2016	Gold medal award to 8 th European Exhibition of Creativity and Innovation, EUROINVENT@2016, Iasi, Romania
December 2017	Special award to 2017 Hong Kong International Invention Design Competition, Hong Kong
December 2017	Gold Medal award to 2017 Hong Kong International Invention Design Competition, Hong Kong
December 2017	FIRI award for the best invention to 2017 Hong Kong International Invention Design Competition, Hong Kong
October 2018	Researcher award by Faculty of Medicine, Chiang Mai University, Chiang Mai, Thailand
November 2022	Contribution Award to 6 th Korea Digestive Disease Week (KDDW) 2022, Incheon, Korea

ORGANIZATION AND PARTICIPATION

2009-Present	Thai Physiology Society
2009-Present	International Society for the Study of Xenobiotics (ISSX)
2009-Present	Advance Science Serving Society (AAAS)
2014-Present	The Asian Pacific Society of Nephrology (APSN)
2018-Present	American Physiology Society (APS)

PROFESSIONAL ACTIVITIES

2013	Critical Reviewer of Manuscripts for ScienceAsia
2014	Special Seminar Speaker at the Department of Pharmacology and Toxicology Dokkyo Medical University, School of Medicine, Tochigi, Japan
2015	Critical Reviewer of Manuscripts for Canadian Journal of Physiology and Pharmacology
2015	Critical Reviewer of Manuscripts for Journal of Food Science
2016	Critical Reviewer of Proceedings for Walailak Research National Conference

- 2016 Critical Reviewer of Proceedings for Naresuan Research National Conference
- 2018 Critical Reviewer of Manuscripts for Journal of Pathology, Microbiology and Immunology
- 2018 Critical Reviewer of Manuscripts for International Journal of Pharmaceutics
- 2019 Critical Reviewer of Manuscripts for Informatics in Medicine Unlocked
- 2019-2023 Critical Reviewer of Manuscripts for Journal of Functional Foods)
- 2019 Critical Reviewer of Manuscripts for Phytomedicine
- 2020 Critical Reviewer of Manuscripts for Biomed Research International
- 2020-2021 Critical Reviewer of Manuscripts for Drug Design Development and Therapy
- 2020-2022 Critical Reviewer of Manuscripts for Ecotoxicology and Environmental Safety
- 2021 Critical Reviewer of Manuscripts for All Life
- 2021 Critical Reviewer of Manuscripts for Applied Physiology, Nutrition, and Metal
- 2021 Critical Reviewer of Manuscripts for Biomedical and Environmental Sciences
- 2022 Critical Reviewer of Manuscripts for The Journal of Nutritional and Biochemistry
- 2022 Critical Reviewer of Manuscripts for Archives of Physiology & Biochemistry
- 2022 Critical Reviewer of Manuscripts for Pharmaceutical Biology
- 2022-2023 Critical Reviewer of Manuscripts for Journal of Medicinal Food
- 2023 Critical Reviewer of Manuscripts for Food and Function

PRESENTATIONS AT INTERNATIONAL MEETINGS

- August 2003 The 9th Southeast Asian-Western Pacific Regional Meeting of Pharmacologist, Busan, Korea
- December 2003 The American Society For Cell Biology 43rd Annual Meeting, San Francisco, California, USA
- November 2006 The 4th Annual NIEHS Science Awards, Durham, North Carolina, USA
- March 2007 Drug Metabolism Discussion Group Winter Symposium, Research Triangle Park, North Carolina, USA
- April 2007 Federation of American Societies for Experimental Biology, Washington DC, USA
- May 2009 The 3rd Asian Pacific Regional International Society for the Study of Xenobiotics (ISSX) Meeting, Bangkok, Thailand
- April 2011 The 4th Asian Pacific Regional International Society for the Study of Xenobiotics (ISSX), Tainan, Taiwan
- December 2011 The 4th International Fisheries Conference, Chiang Mai, Thailand
- July 2012 The 8th Asia-Pacific Conference on Algal Biotechnology, Adelaide, Australia
- August 2013 International conference on interdisciplinary research and development in ASEAN universities, Chiang Mai, Thailand
- September 2013 5th BBBB International Conference: From Drug Discovery and Formulation Strategies To Pharmacokinetics-Pharmacodynamics, Athens, Greece
- May 2014 14th Asian Pacific Congress of Nephrology (APCN) 2014, Shinagawa, Japan
- June 2015 The 13th European Regional International Society for the Study of Xenobiotics (ISSX), Glasgow, Scotland
- January 2017 The First International Conference on Innovation of Functional Foods in Asia (IFFA 2018).

April 2018 Federation of American Societies for Experimental Biology,
San Diego, USA

PRESENTATIONS AT NATIONAL MEETINGS

April 2002 RGJ - Ph.D. Congress III, Chonburi, Thailand
November 2009 Quest for Excellence meeting, Chiang Mai, Thailand
January 2013 The 2nd Phayao Research Conference, Phayao, Thailand
January 2017 The 16th TRF meeting, Phetchaburi, Thailand
January 2018 The 17th TRF meeting, Phetchaburi, Thailand
November 2022 Brainpower Congress 2022, Bangkok, Thailand

ACADEMIC ACTIVITIES

Graduate Student's Dissertation Committees

1. Atcharaporn Ontawong, Major advisor and Member of the Master Degree Committee
Topic: Effect of *Spirogyra neglecta* extract on renal organic anion transporter 1 and 3 function in type 2 diabetic rats (Physiology)
2. Phatchawan Arjinajarn, Co-advisor and Member of the Doctoral Degree Committee
Topic: Effect of Insulin on Renal Organic Anion Transporter 3 Function and Expression in Streptozotocin-induced Diabetic Rats (Physiology)
3. Teerawat Rattanapot, Co-advisor and Member of the Master Degree Committee
Topic: Effect of spirogyra sp. Supplement on growth and oxidative defense in tilapia (*oreochromis niloticus*) cage culture (Fisheries technology)
4. Metas Ngernjan, Co-advisor and Member of the Master Degree Committee
Topic: Effect of dietary supplementation with *Cladophora* spp. on growth and oxidative defense in hybrid catfish (Fisheries technology)
5. Sittikorn Yoojam, Co-advisor and Member of the Master Degree Committee
Topic: Effect of crude oil supplement on growth, content of omega 3 fatty acid in fillet and oxidative defense of Buk Siam Catfish (Fisheries technology)
6. Chaliya Jaiyen, Major advisor and Member of the Master Degree Committee
Topic: Interaction of green tea catechins with organic cation transporter protein type 2 in kidney (Physiology)
7. Metee Jinagote, Major advisor and Member of the Master Degree Committee
Topic: Characterization of Organic Cation Transporter 1 in Human Hepatocellular Carcinoma Cells Using Fluorescence 4-(4-(dimethylamino)styryl)-*N*-methylpyridinium (Physiology)
8. Oranit Boonphang, Major advisor and Member of the Master Degree Committee
Topic: Antioxidant Effect of Coffee Pulp Extract on Renal Tubule Organic Ion Transport in Experimental Diabetic Rats (Physiology)
9. Jutatip Kaewmalee, Major advisor and Member of the Master Degree Committee
Topic: Effects of Lovastatin analog on cholesterol homeostasis and its mechanisms in high-fat diet induced obese rats (Physiology)
10. Kungsadal Sirijariyawat, Major advisor and Member of the Master Degree Committee
Topic: Effects of Acute Myocardial Ischemic and Reperfusion Injury on Renal Organic Anion Transport in Rats (Physiology)
11. Atcharaporn Ontawong, Major advisor and Member of the Doctoral Degree Committee. Topic: Effects of Coffee Pulp Aqueous Extract on Cholesterol Homeostasis and Its Mechanisms in Human Cell Lines and Obese Rats (Physiology)

12. Pensiri Buacheen, Co-advisor and Member of the Master Degree Committee
Topic: Effects of Coffee Pulp Extract on Anti-Inflammation in Macrophage and Anti-Insulin Resistance in Adipocyte (Biochemistry)
13. Tiphida Pasachan, Major advisor and Member of the Doctoral Degree Committee.
Topic: Effects of Aqueous extract of *Tiliacora triandra* (Colebr.) Diels Leaves on Hepatic Insulin Resistance and Lipid Accumulation in Human Hepatocellular Carcinoma cell lines and Experimental Diabetic Rats (Physiology)
14. Myat Theingi Swe, Co-advisor and Member of the Doctoral Degree Committee.
Topic: Effects of Dapagliflozin on Renal and Hepatic Gluconeogenesis in Obese Insulin-resistant Rats (Physiology)
15. Nichakorn Pengphol, Co-advisor and Member of the Doctoral Degree Committee.
Topic: The Renal Consequences in the Offspring Induced by Maternal Obesity and the Effects of N-acetyl Cysteine, Metformin and Omega 3 in Fish Oil to Protect Against Renal Injury in Mice (Physiology)
16. Sasivimon Promsarn, Co-advisor and Member of the Doctoral Degree Committee.
Topic: The Effects of Agometatine on Renal Function and Renal Organic Anion Transporter 3 (Oat3) Function in High-Fat Diet-induced Obese Insulin Resistance Rats (Physiology)
17. Prempree Sudthasupa, Co-advisor and Member of the Doctoral Degree Committee.
Topic: (Effect of Chitosan Oligosaccharide on The Prevention of Kidney Injury in Prediabetic and Diabetic Rats (Physiology)
18. Jakkrapong Inchai, Major advisor and Member of the Doctoral Degree Committee.
Topic: Effects of *Ocimum sanctum L.* Flower Aqueous Extract on Lipid Homeostasis and Its Mechanisms Involved in Human Intestinal and Hepatocyte Cell Lines and High-fat Diet Induced Non-alcoholic Fatty Liver Disease in Rats (Physiology)
19. Onanong Jareun, Co-advisor and Member of the Master Degree Committee.
Topic: (The Effect of Pyridoxine on Renal Function and Renal Organic Anion Transporter 3 (Oat3) in High-Fat Diet-Induced Obese Insulin Resistant Rats (Physiology)

Special Academic Appointments

2009-Present	Graduate School Faculty, Chiang Mai University, Chiang Mai, Thailand
2012-Present	Graduate School Faculty, Maejo University, Chiang Mai, Thailand

RESEARCH GRANT SUPPORT

06/2021 – 06/2024	Research fund from the National Research Council (NRTC), Thailand. “Developing Potentials and Adding values of <i>Ocimum sanctum L.</i> flower extract on lipid homeostasis in human hepatocyte cell line and obese rats” (PI)
10/2021 – 10/2023	Research fund from the National Research Council (NRTC), Thailand. “Synthesis, mechanism of action and target identification of anti-hyperlipedemic statin and preussin derivatives from the soil-derived fungus <i>Aspergillus sclerotiorum</i> PSU-RSPG178” (Co-PI)
10/2021 – 10/2023	Research fund from the National Research Council (NRTC), Thailand. “Vertical farming of kale and the value creation of its by-product as a functional ingredient for prevention of non-communicable diseases” (Co-PI)

- 06/2022 – 12/2023 Research fund from Program Management Unit for Competitiveness, the National Research Council (NRTC), Thailand. “Effect of Coffee pulp extract powder on anti-hyperglycemia in type 2 diabetic patients” (PI)
- 06/2022 – 05/2023 Research fund from Agricultural Research Development Agency (ARDA), Thailand. “Development and processing of prebiotic products from black garlic added calcium with high bioactivity” (Co-PI)
- 10/2022 – 09/2023 Research fund from Abhaiphubet Chaopraya Hospital Foundation, Thailand. “Effects of fingerroot extract on hepatic steatosis in human hepatocellular carcinoma HepG2 cells and high-fat diet-induced hepatic steatosis in rats” (Co-PI)
- 10/2022 – 09/2023 Research fund from Fundamental Fund, Chiang Mai University. “Development of Functionalized-Nanomaterials Properties for Preliminary Assessment in Health Promotion and Non-Communicable Disease” (Co-PI)
- 10/2022 – 09/2023 Research fund from Fundamental Fund, Chiang Mai University. “Production of functional ingredients from local vegetables used in Lanna functional food product development for prevention of metabolic syndrome” (Co-PI)

PREVIOUS GRANT SUPPORT

- 12/2009 - 11/2011 Research fund from the Faculty of Medicine, Chiang Mai University, Thailand. “Regulation of Renal Organic Anion Transporters 3 (Oat3) expression and function by lipid raft domains and lipid raft-associated proteins” (PI)
- 05/2010 – 04/2011 Research fund from the National Research Council, Thailand. “Protective and antioxidant effects of *Spirogyra neglecta* on Type 2 Diabetic complications in rats” (Co-PI)
- 06/2010 – 05/2012 Research fund from the Faculty of Medicine, Chiang Mai University, Thailand. “Effects of *Cladophora glomerata* extract on renal transport function in type 2 diabetic rats” (PI)
- 07/2011 – 06/2013 Young scientist research from the Thailand Research Fund, Thailand “Effects of *Cladophora glomerata* extract on renal organic anion and cation transporters in high fat diet-induced Diabetic type II rats” (PI)
- 05/2011 – 04/2013 Research fund from the National Research Council, Thailand. “Effect of *Spirogyra* on antioxidant system and detoxifying enzyme in Nile tilapia (*Oreochromis niloticus*)” (Co-PI)
- 11/2012 – 10/2014 Research fund from the Faculty of Medicine, Chiang Mai University, Thailand. “Effect of *Spirogyra neglecta* extract on renal organic anion transporter 1 and 3 function in type 2 diabetic rats” (PI)
- 09/2013 – 08/2014 Research fund from the National Research Council, Thailand. “Antioxidative effect of fish oil from hybrid catfish in the human Hepatocarcinoma cells” (PI)
- 08/2013 – 07/2015 Research fund from the Faculty of Medicine, Chiang Mai University, Thailand. “Interaction of green tea catechins with renal organic cation transporter 2” (PI)

- 03/2015 – 02/2016 Research fund from the Faculty of Medicine, Chiang Mai University, Thailand. “Characterization of Organic Cation Transporter 1 in Human Hepatocellular Carcinoma Cells using Fluorescence 4-(4-(dimethyl-amino)styryl)-*N*-methylpyridinium” (PI)
- 12/2014 – 11/2016 Research grant from the Faculty of Medicine, Chiang Mai University, Thailand. “Effect of methanolic extracts of Siamese neem tree flowers on cholesterol absorption in Caco-2 cells” (PI)
- 08/2015 – 01/2017 Grant for Research and Researcher for Industry (RRi) M.S. program by Thailand Research Fund (TRF) (Grant no. MSD58I0100) “Antioxidative effect of coffee pulp aqueous extract on renal organic ions transport in type 2 diabetic rats” (PI)
- 02/2015 – 01/2018 Grant for Research and Researcher for Industry (RRi) Ph.D. program by Thailand Research Fund (TRF) (Grant no. PHD58I0010) “Developing potentials and adding values of biological activities of coffee pulp aqueous extract on cholesterol homeostasis and its mechanisms in human intestinal Caco-2 cells and obese rats” (PI)
- 08/2017 – 02/2018 Research grant from Innovation hub (Food & Agriculture: Start-up). “Strategy and marketing plan for developing coffee pulp extract as lipid-lowering supplement” (PI)
- 02/2015 – 01/2018 Grant for Research and Researcher for Industry (RRi) Ph.D. program by Thailand Research Fund (TRF) (Grant no. PHD58I0009) “Developing Potentials and Adding values of biological activities of *Tiliacoratriandra* (Colebr.) Diels Extract in Type 2 Diabetes Mellitus in rats” (PI)
- 06/2016 – 06/2019 TRF Research Career Development Grant from Thailand Research Fund (TRF). “Effects of humanin against impairment of renal transport induced by myocardial ischemia and reperfusion injury: focusing on renal transporters as a new potential target” (PI)
- 10/2018 – 09/2020 Research fund from the Faculty of Medicine, Chiang Mai University, Thailand. “Effects of Acute Myocardial Ischemia on Renal Organic Ion Transport in Rats” (PI)
- 01/2016 – 06/2021 NSTDA Chair Professor Grant of the Crown Property Bureau and the National Science and Technology Development Agency to Professor Dr. Vatcharin Rukachaisirikul from National Science and Technology Development Agency (NSTDA), Thailand. “Discovery and Developing Compounds from Thai Fungi for Sustainable Drug Discovery”. (Co-PI)
- 06/2019 – 05/2021 Research fund from TRF industry division. “Effect of ready-to-drink supplement product derived from *Coffea Arabica* pulp extract on lipid profiles and hepatic steatosis in hyperlipidemia-obese humans” (PI)
- 12/2019 – 12/2021 Research fund from the Faculty of Medicine, Chiang Mai University, Thailand. “Interaction of buspirone and its major derivatives with human organic cation transporters” (PI)

PATENTS

1. Petty patent: 14624 (8 Nov 2561)

PEER REVIEWED ARTICLES

1. Metee Jinakote, Promsuk Jutabha, Naohiko Anzai, Atcharaporn Ontawong, Sunhapas Soodvilai, Jakkapong Inchai, **Chutima S. Vaddhanaphuti**. Interaction of Buspirone and Its metabolites with Human Organic Cation Transporters. (Revised)
2. Atcharaporn Ontawong, Acharaporn Duangjai, Yaowapa Sukpondma, Kwanruthai Tadpetch, Chatchai Muanprasat, Vatcharin Rukachaisirikul, Jakkapong Inchai, **Chutima S. Vaddhanaphuti**. Cholesterol-Lowering Effects of Asperidine B, a Pyrrolidine Derivative from the Soil-Derived Fungus *Aspergillus sclerotiorum* PSU-RSPG178: A Potential Cholesterol Absorption Inhibitor. *Pharmaceuticals*. 2022; 15(8): 955. (IF. 5.215, Q1)
3. Acharaporn Duangjai, Vatcharin Rukachaisirikul, Yaowapa Sukpondma, **Chutima Srimaroeng**, and Chatchai Muanprasat. Antispasmodic Effect of Asperidine B, a Pyrrolidine Derivative, through Inhibition of L-Type Ca^{2+} Channel in Rat Ileal Smooth Muscle. *Molecules*. 2021; 26: 5492. (IF. 4.411, Q1)
4. Atcharaporn Ontawong, Acharaporn Duangjai, and **Chutima Srimaroeng**. *Coffea arabica* bean extract inhibits glucose transport and disaccharidase activity in Caco-2 cells. *Biomedical Rep*. 2021; 15(3): 73. (Q1)
5. Atcharaporn Ontawong, Tiphthida Pasachan, Kongkiat Trisuwan, Sunhapas Soodvilai, Acharaporn Duangjai, Anchalee Pongchaidecha, Doungporn Amornlerdpison, and **Chutima Srimaroeng**. *Coffea arabica* pulp aqueous extract attenuates oxidative stress and hepatic lipid accumulation in HepG2 cells. *J Herb Med*. 2021; 29: 100465. (IF. 3.032, Q2)
6. Jutatip Kaewmalee, Atcharaporn Ontawong, Acharaporn Duangjai, Chittreeya Tansakul, Vatcharin Rukachaisirikul, Chatchai Muanprasat, and **Chutima Srimaroeng**. High efficacy α,β -dehydro-monacolin S improves hepatic steatosis and suppresses gluconeogenesis pathway in high-fat diet-induced obese rats. *Pharmaceuticals*. 2021; 14(4): 375. (IF. 5.863, Q1)
7. Oranit Boonphang, Atcharaporn Ontawong, Tiphthida Pasachan, Manussabhorn Phatsara, Acharaporn Duangjai, Doungporn Amornlerdpison, Metee Jinakote, **Chutima Srimaroeng**. Antidiabetic and Renoprotective Effects of *Coffea arabica* Pulp Aqueous Extract through Preserving Organic Cation Transport System Mediated Oxidative Stress Pathway in Experimental Type 2 Diabetic Rats. *Molecules*. 2021; 26: 1907. (IF. 4.411, Q1)
8. Pasachan T, Duangjai A, Ontawong A, Pongchaidecha A, Jinakote M, Phatsara M, Soodvilai S, Amornlerdpison D, **Srimaroeng C**. *Tiliacora triandra* (Colebr.) Diels Leaf Aqueous Extract Inhibits Hepatic Glucose Production in HepG2 cells and Type 2 Diabetic Rats. *Molecules* 2021;26(5):1239. (IF. 4.411, Q1)
9. Jinakote M, Ontawong A, Soodvilai S, Pimta J, Pasachan T, Chatsudthipong V, **Srimaroeng C**. High affinity of 4-(4-(dimethylamino)styryl)-N-methylpyridinium transport for assessing organic cation drugs in hepatocellular carcinoma cells. *Fundam Clin Pharmacol*. 2020;34(3):365-379. (IF. 2.229, Q2)
10. Ontawong A, **Srimaroeng C**, Boonphang O, Phatsara M, Duangjai A. *Spirogyra neglecta* aqueous extract attenuates LPS-induced renal inflammation. *Biol Pharm Bull* 2019;42(11):1814-1822. (IF. 1.54, Q2)
11. Duangjai A, Ontawong A, **Srimaroeng C**. Siamese neem flower extract suppresses cholesterol absorption by interfering NPC1L1 and micellar property in vitro and in intestinal Caco-2 cells. *Res Pharm Sci* 2019;14(3):190-200. (Q1)
12. Kungsadal Sirijariyawat, Atcharaporn Ontawong, Siripong Palee, Savitree

- Thummasorn, Chayodom Maneechote, Oranit Boonphang, Varanuj Chatsudthipong, Nipon Chattipakorn, **Chutima Srimaroeng**. Impaired renal organic anion transport 1 (SLC22A6) and its regulation following acute myocardial infarction and reperfusion injury in rats. *Biochim Biophys Acta Mol Basis Dis* 2019; 1865(2019): 2342-2355. (IF 4.328, Q1).
13. Atcharaporn Ontawong, Oranit Boonphang, Tiptida Pasachan, Acharaporn Duangjai, Anchalee Pongchaidecha, Manussaborn Phatsara, Metee Jinakote, Doungporn Amornlerdpison, **Chutima Srimaroeng**. Hepatoprotective effect of coffee pulp aqueous extract combined with simvastatin against hepatic steatosis in high-fat diet-induced obese rats. *J Func Foods* 2019; 54: 568-577. (IF 3.47, Q1)
 14. Atcharaporn Ontawong, Acharaporn Duangjai, Chatchai Muanprasat, Tiptida Pasachan, Anchalee Pongchaidecha, Doungporn Amornlerdpison, **Chutima Srimaroeng**. Lipid-lowering effects of Coffea arabica pulp aqueous extract in Caco-2 cells and hypercholesterolemic rats. *Phytomedicine* 2019;52:387-397. (IF. 3.61, Q1)
 15. Ospondant D, Phuagkhaopong S, Suknuntha K, Sangpairoj K, Kasemsuk T, **Srimaroeng C**, Vivithanaporn P. Cadmium induces apoptotic program imbalance and cell cycle inhibitor expression in cultured human astrocytes. *Environ Toxicol Pharmacol* 2018;65:53-59. (IF. 2.776, Q2)
 16. Patima Phainuphong, Vatcharin Rukachaisirikul, Saowanit Saithong, Souwalak Phongpaichit, Jariya Sakayaroj, **Chutima Srimaroeng**, Atcharaporn Ontawong, Acharaporn Duangjai, Chatchai Muanprasat. Asperidines A-C, pyrrolidine and piperidine derivatives from the soil-derived fungus *Aspergillus sclerotiorum* PSU-RSPG178. *Bioorg Med Chem* 2018;26(15):4502-4508. (IF. 2.881, Q1)
 17. Pattamaprapanont P, Muanprasat C, Soodvilai S, **Srimaroeng C**, Chatsudthipong V. Effect of Exercise Training on Signaling of Interleukin-6 in Skeletal Muscles of Type 2 Diabetic Rats. *Rev Diabet Stud* 2016;13(2-3):197-206. (IF. 3.35, Q2)
 18. Patima Phainuphong, Vatcharin Rukachaisirikul, Saowanit Saithong, Souwalak Phongpaichit, Kawitsara Bowornwiriyan, Chatchai Muanprasat, **Chutima Srimaroeng**, Acharaporn Duangjai, Jariya Sakayaroj. Lovastatin analogues from the soil-derived fungus *Aspergillus sclerotiorum* PSU-RSPG178. *J Nat Prod* 2016;79(6):1500-1507. (IF.3.798, Q1)
 19. Chaliya Jaiyen, Promsuk Jutabha, Naohiko Anzai and **Chutima Srimaroeng**. Interaction of green tea catechins with renal organic cation transporter 2. *Xenobiotica* 2016;46(7):641-650. (IF. 2.199, Q2)
 20. **Chutima Srimaroeng***, Atcharaporn Ontawong, Naruwan Saowakon, Pornpun Vivithanaporn, Anchalee Pongchidecha, Doungporn Amornlerdpison, Sunhapas Soodvilai, and Varanuj Chatsudthipong. Anti-diabetic and Renoprotective Effects of *Cladophora glomerata* Kützing Extract in Experimental Type 2 Diabetic Rats: A Potential Nutraceutical Product for Diabetic Nephropathy. *J Diabetes Research* 2015;2015: Article ID 320167, 15 pages. (IF. 3.536, Q2)
 21. Atcharaporn Ontawong, Naruwan Saowakon, Pornpun Vivithanaporn, Anchalee Pongchaidecha, Narissara Lailerd, Doungporn Amornlerdpison, Anusorn Lungkaphin, and **Chutima Srimaroeng***. Antioxidant and renoprotective effects of *Spirogyra neglecta* (Hassall) Kützing extract in experimental type 2 diabetic rats. *Biomed Res Int* 2013;2013: Article ID 820786, 15 pages. (IF. 2.88, Q1)
 22. **Chutima Srimaroeng***, Jennifer P Cecile, Ramsey Walden, and John B. Pritchard. Regulation of renal organic anion transporter 3 (SLC22A8) expression and function by the integrity of lipid raft domains and their associated cytoskeleton. *Cell Physiol Biochem* 2013;31(4-5): 565-578. (IF. 3.415, Q2)

23. Phatchawan Arjinajarn, **Chutima Srimaroeng**, Varanuj Chatsudthipong, and Anusorn Lungkaphin. Decreased Renal Organic Anion Transporter 3 Expression in Type 1 Diabetic Rats. *Am J Med Sci* 2013;347(3):221-7. (IF. 1.334)
24. Anusorn Lungkaphin, Phatchawan Arjinajarn, **Chutima Srimaroeng**, and Varanuj Chatsudthipong. Function and expression of renal organic anion transporters in experimental diabetes in mice. *ScienceAsia* 2012;38:18-23. (IF. 0.344)
25. Paranee Meetam, **Chutima Srimaroeng**, Sunhapas Soodvilai and Varanuj Chatsudthipong. Role of Estrogen in Renal Handling of Organic Cation, Tetraethylammonium: in Vivo and in Vitro studies. *Biol Pharm Bull* 2009;32(12):1968-1972. (IF.1.765, Q1)
26. Paranee Meetam, **Chutima Srimaroeng**, Sunhapas Soodvilai and Varanuj Chatsudthipong. Regulatory role of Testosterone on Organic Cation Transport: In Vivo and in Vitro studies. *Biol Pharm Bull* 2009;32(6):982-987. (IF. 1.765, Q1)
27. Barros, S.A.#, **Srimaroeng, C.** #, Perry J.L., Dembla-Rajpal, N,Walden, R., and Pritchard, J.B.: Activation of protein kinase C zeta increases OAT1 (SLC22A6) and OAT3 (SLC22A8) mediated transport. *J Biol Chem* 2009;284(5):2672-2679 [Epub Nov 21, 2008]. #equally contribution (IF. 5.52, Q1)
28. Vanwert AL, **Srimaroeng C**, Sweet DH. Organic Anion Transporter 3 (Oat3/Slc22a8) Interacts with Carboxyfluoroquinolones and Deletion Increases Systemic Exposure to Ciprofloxacin. *Mol Pharmacol* 2008;74(1):122-131. (IF. 3.622, Q1)
29. **Chutima Srimaroeng**, Promsuk Jutabha, John B. Pritchard, Hitoshi Endou and Varanuj Chatsudthipong. Interactions of Stevioside and Steviol with Renal Organic Anion Transporters in S2 cells and Mouse Renal Cortical Slices. *Pharm Res* 2005;22(6):858-866. (IF. 2.94, Q1)
30. **Chutima Srimaroeng**, Varanuj Chatsudthipong, Amy G. Aslamkhan and John B. Pritchard. Transport of the Natural Sweetener Stevioside and its aglycone Steviol by Human Organic Anion Transporter (hOAT1; SLC22A6) and hOAT3 (SLC22A8). *J Pharmacol Exp Ther* 2005;313:621-628. (IF. 4.335, Q1)

PEER REVIEWED ABSTRACTS

1. Pannita Holasut, Kornwalai Tunkaew, Thanthakan Saithong, Jakkapong Inchai, Atcharaporn Ontawong, Vatcharin Rukachaisirikul, Kwanruthai Tedpetch, Kittisak Thongpat, and **Chutima S. Vaddhanaphuti**. Hepatoprotective Effects of Preussin Derivatives, PD1 and PD2, Against Oxidative Stress: A potential Candidate For Prevention of Non-alcoholic Fatty Liver Disease. (Excellent E-poster Award). The 6th Korea Digestive Disease Week (KDDW 2022), Precision, Innovation & Convergence in Gastroenterology and Hepatology. December 1st – 3rd, 2022, Incheon, Korea.
2. Jakkapong Inchai, Atcharaporn Ontawong, Thippawan Yasanga, Doungporn Amonlerdpison, and **Chutima S. Vaddhanaphuti**. Hepatoprotective Effects of *Ocimum sanctum* L. Flower Aqueous Extract Against Non-alcoholic Fatty Liver Disease by Regulating Lipophagy in HepG2 Cells. The 6th Korea Digestive Disease Week (KDDW 2022), Precision, Innovation & Convergence in Gastroenterology and Hepatology. December 1st – 3rd, 2022, Incheon, Korea.
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 5. Atcharaporn Ontawong, Jakkapong Inchai, Kwanruthai Tedpetch, Vatcharin Rukachaisirikul, and **Chutima S. Vaddhanaphuti**. Inhibition of Cholesterol Absorption by Preussin B., an Asperidine B Derivative, in Human Colorectal Adenocarcinoma (Caco-2) cells and Rat Jejunal Epithelial Cells: A Potential Anti-hyperlipidemic Agent. The 6th Korea Digestive Disease Week (KDDW 2022), Precision, Innovation & Convergence in Gastroenterology and Hepatology. December 1st – 3rd, 2022, Incheon, Korea.
 6. Chaiwat Jakrachai, Kornwalai Tunkaew, Jakkapong Inchai, Atcharaporn Ontawong, Thippawan Yasanga, Doungporn Amonlerdpison, and **Chutima S. Vaddhanaphuti**. Eggplant Aqueous Extract Inhibits Intestinal Cholesterol Absorption by Alteration of Physicochemical Properties of Cholesterol Micelles in Human Colorectal Adenocarcinoma (Caco-2) cells. The 6th Korea Digestive Disease Week (KDDW 2022), Precision, Innovation & Convergence in Gastroenterology and Hepatology. December 1st – 3rd, 2022, Incheon, Korea.
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 10. Atcharaporn Ontawong, Oranit Boonphang, Tiphida Pasachan, Acharaporn Duangjai, Anchalee Pongchaidecha, Doungporn Amornlerdpison, and **Chutima Srimaroeng**. Coffee pulp extract (CPE) alone and combined with simvastatin ameliorate non-

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 12. **Chutima Srimareong**, Atcharaporn Ontawong, Jutatip Kaewmalee, Tiphida Pasachan, Nichanan Inboot, Kungsadal Sirijariyawat, Oranit Boonphang, Naruwan Saowakon, Acharaporn Duangjai, Rawiwan Wongpoomchai. Anthocyanin mixture extracted from rice berry bran ameliorates insulin resistance and non-alcoholic fatty liver in high-fat diet obese rats. *The First International Conference on Innovation of Functional Foods in Asia (IFFA 2018)*. 22nd – 24th January, 2018, University of Phayao, Phayao, Thailand.
 13. **Chutima Srimareong**, Kungsadal Sirijariyawat, Atcharaporn Ontawong, Siripong Palee, Savitree Thummasorn, Chayodom Maneechote, Oranit Boonphang, Varanuj Chatsudthipong and Nipon, Chattipakorn. Impairment of renal transport mediated by Organic anion transport 1 (Oat1) and 3 (Oat3) in acute myocardial ischemic injury in rats. *FASEB J.* 2018 32(1supplement).
 14. Tiphida Pasachan, Atcharaporn Ontawong, Sunhapas Soodvilai, Acharaporn Duangjai, Anchalee Pongchaidecha, Doungporn Amornlerdpison, and **Chutima Srimareong**. *Tiliacora triandra* (Colebr.) Diels Ameliorates Hepatic Steatosis by Inhibition of HMGR and Down-regulation of FAT/CD36. *FASEB J.* 2018 32(1supplement).
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2. Tiphida Pasachan, Atcharaporn Ontawong, Sunhapas Soodvilai, Acharaporn Duangjai, Anchalee Pongchaidecha, Dounporn Amornlerdpison and **Chutima Srimareong**. Tiliacora triandra (Colebr.) Diels reduces lipid accumulation in hepatocellular carcinoma (HepG2) cells. *Proceeding to the 30th Annual Meeting of the Thai Society for Biotechnology and International Conference*. November 22nd-23rd, 2018, Ambassador Hotel, Bangkok, Thailand.
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4. Kungsadal Sirijariyawat, Atcharaporn Ontawong, Siripong Palee, Savitree Thummasorn, Chayodom Maneechote, Varanuj Chatsudthipong, Nipon, Chattipakorn, and **Chutima Srimaroeng**. Impairment of renal transport function mediated by oxidative stress in acute myocardial ischemic injury in rats. *Proceeding to The First International Conference on Innovation of Functional Foods in Asia (IFFA 2018)*. 22nd – 24th January, 2018, University of Phayao, Phayao, Thailand.
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INVITED REVIEW ARTICLES:

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1. **C. Srimaroeng**, J.L. Perry, and J.B. Pritchard. Physiology, Structure, and Regulation of the Cloned Organic Anion Transporters. *Xenobiotica*. 2008, 38(7): 889-935.

RESEARCH FIELDS OF INTEREST

1. Renal Physiology
2. Cellular and Molecular Mechanisms of Epithelial Transport
3. Gastrointestinal lipid transport and metabolism
4. Hepatocellular lipid transport and metabolism
5. Drug transporter functions and regulations
6. Pharmacokinetic and Drug metabolism: Phase III
7. Natural products, potential use, and adverse effects