

Curriculum Vitae

CHUTIMA SRIMAROENG, PhD



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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

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 4th Asian Pacific Regional International Society for the Study of Xenobiotics (ISSX) 2011, Tainan, Taiwan
May 2014 Travel grant award to 14th 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

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

PROFESSIONAL LICENSE -

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

1. Critical Reviewer of Manuscripts for ScienceAsia (2013)
2. Special Seminar Speaker at the Department of Pharmacology and Toxicology, Dokkyo Medical University, School of Medicine, Tochigi, Japan (2014)
3. Critical Reviewer of Manuscripts for Canadian Journal of Physiology and Pharmacology (2015)
4. Critical Reviewer of Manuscripts for Journal of Food Science (2015)
5. Critical Reviewer of Proceedings for Walailak Research National Conference (2016)
6. Critical Reviewer of Proceedings for Naresuan Research National Conference (2016)
7. Critical Reviewer of Manuscripts for Journal of Pathology, Microbiology and Immunology (2018)

8. Critical Reviewer of Manuscripts for International Journal of Pharmaceutics (2018)
9. Critical Reviewer of Manuscripts for Informatics in Medicine Unlocked (2019)
10. Critical Reviewer of Manuscripts for Journal of Functional Foods (2019)
11. Critical Reviewer of Manuscripts for Phytomedicine (2019)

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 2 nd Phayao Research Conference, Phayao, Thailand
January 2017	The 16 th TRF meeting, Phetchaburi, Thailand
January 2018	The 17 th TRF meeting, Phetchaburi, Thailand

PRESENTATIONS AT INTERNATIONAL MEETINGS

August 2003	The 9 th Southeast Asian-Western Pacific Regional Meeting of Pharmacologist, Busan, Korea
December 2003	The American Society For Cell Biology 43 rd Annual Meeting, San Francisco, California, USA
November 2006	The 4 th 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 3 rd Asian Pacific Regional International Society for the Study of Xenobiotics (ISSX) Meeting, Bangkok, Thailand
April 2011	The 4 th Asian Pacific Regional International Society for the Study of Xenobiotics (ISSX), Tainan, Taiwan
December 2011	The 4 th International Fisheries Conference, Chiang Mai, Thailand
July 2012	The 8 th 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	5 th BBBB International Conference: From Drug Discovery and Formulation Strategies To Pharmacokinetics-Pharmacodynamics, Athens, Greece
May 2014	14 th Asian Pacific Congress of Nephrology (APCN) 2014, Shinagawa, Japan
June 2015	The 13 th 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

INVITED LECTURES AT NATIONAL MEETINGS -

INVITED LECTURES AT INTERNATIONAL MEETINGS -

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 Ngermjan, 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)

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

01/2016 – 12/2020	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. (Co-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)
06/2019 – 12/2020	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)

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)
06/2010 – 05/2012	Research fund from the Faculty of Medicine, Chiang Mai University, Thailand. “Effects of <i>Cladophora glomerata</i> 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 <i>Cladophora glomerata</i> extract on renal organic anion and cation transporters in high fat diet-induced Diabetic type II rats” (PI)
11/2012 – 10/2014	Research fund from the Faculty of Medicine, Chiang Mai University, Thailand. “Effect of <i>Spirogyra neglecta</i> extract on renal organic anion transporter 1 and 3 function in type 2 diabetic rats” (PI)
05/2010 – 04/2011	Research fund from the National Research Council, Thailand. “Protective and antioxidant effects of <i>Spirogyra neglecta</i> on Type 2 Diabetic complications in rats” (Co-PI)
05/2011 – 04/2013	Research fund from the National Research Council, Thailand. “Effect of <i>Spirogyra</i> on antioxidant system and detoxifying enzyme in Nile tilapia (<i>Oreochromis niloticus</i>)” (Co-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)- <i>N</i> -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 <i>Tiliacora triandra</i> (Colebr.) Diels Extract in Type 2 Diabetes Mellitus in rats” (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)

PATENTS

1. Petty patent: 14624 (8 Nov 2561)
2. Application no. of Petty patent: 190300040
3. Application no. of Petty patent: 1803001322

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

PEER REVIEWED ARTICLES

1. **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)
2. **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)
3. 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)
5. 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)
6. 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): 982-7. (IF. 1.765, Q1)
7. 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)
8. Anusorn Lungkaphin, Phatchawan Arjinajarn, **Chutima Srimaroeng**, and Varanuj Chatsudthipong. Function and expression of renal organic anion transporters in experimental diabetes in mice. *Science Asia.* 2012, 38: 18-23. (IF. 0.344)
9. 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)
10. **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)
11. 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, Volume 2013, Article ID 820786, 15 pages. (IF. 2.88, Q1)
12. **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, Volume 2015, Article ID 320167, 15 pages. (IF. 3.536, Q2)
13. 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)

14. 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); 1500-7. (IF.3.798, Q1)
15. 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, Summer-Fall;13(2-3);197-206. (IF. 3.35, 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); 4502-8. (IF. 2.881, Q1)
17. Atcharaporn Ontawong, Acharaporn Duangjai, Chatchai Muanprasat, Tiptida Pasachan, Anchalee Pongchaidecha, Doungporn Amornlerdpison, **Chutima Srimareong**. 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)
18. Ospondpant 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 Dec 3;65:53-59. (IF. 2.776, Q2)
19. Atcharaporn Ontawong, Oranit Boonphang, Tiptida Pasachan, Acharaporn Duangjai, Anchalee Pongchaidecha, Manussaborn Phatsara, Metee Jinakote, Doungporn Amornlerdpison, **Chutima Srimareong**. Hepatoprotective effect of coffee pulp aqueous extract combined with simvastatin against hepatic steatosis in high-fat diet-induced obese rats. *J Func Foods.* 2019 Feb 12; 54: 568-577. (IF 3.47, Q1)
20. 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 May 21; 1865(2019): 2342-2355. (IF 4.328, Q1).
21. 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 Jun;14(3):190-200. (Q1)
22. Ontawong A, **Srimareong 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)

EDITORIAL COMMENTS -

PEER REVIEWED ABSTRACTS/PROCEEDINGS

1. Atcharaporn Ontawong, Phatchawan Arjinajarn, Anchalee Pongchaidecha, Naruwan Saowakon, Pornpun Vivithanaporn, Anusorn Lungkaphin, Narissara Lailerd, Doungporn Amonlerdpison, and **Chutima Srimaroeng**. *Spirogyra neglecta* Extract Attenuates Hyperglycemia-induced Oxidative Stress in Type 2 Diabetic Rat Kidneys.

- Proceeding to The First ASEAN Plus Three Graduate Research Congress (AGRC), Chiang Mai, Thailand. March 2011.*
2. Phatchawan Arjinajarn, **Chutima Srimaroeng**, Anusorn Lungkaphin. Impairment of Renal Organic Anion Transporter 3 (Oat3) Function in Diabetic Rats. *Proceeding to The First ASEAN Plus Three Graduate Research Congress (AGRC), Chiang Mai, Thailand. March 2011.*
 3. **C. Srimaroeng***, A. Ontawong, A. Pongchidecha, and V. Chatsudthipong. Anti-diabetic and renoprotective effects of *Cladophora glomerata* Kützing extract in high fat diet with streptozotocin-induced type 2 diabetic rats. The 5th BBBB International Conferences, September 26-28, 2013, Athens, Greece.
 4. **Chutima Srimaroeng**, Atcharaporn Ontawong, Chaliya Jaiyen, Anchalee Pongchidecha, and Doungporn Amornlerdpison. The 14th Asian Pacific Congress of Nephrology (APCN) May 14-17, 2014, Shinagawa, Japan.
 5. Ontawong A, **Srimaroeng C**, Jaiyen C, Pongchidecha A, Saowakon N. Involvement of Liver Oxidative Stress and Histopathological Changes in Type 2 diabetes rats. 9th Congress of the APSAVD and 16th EMW Symposium September 25-28, 2014, Hongkong.
 6. Metee Jinakote, Atcharaporn Ontawong, **Chutima Srimaroeng**. Transport of Fluorescence 4-(4-(dimethylamino) styryl)-*N*-methyl-pyridinium (ASP⁺) into Human Hepatocellular Carcinoma (HepG2) cell line: A model for the Assessment of Organic Cation Transporter Function. *Proceeding to International Graduate Research Conference (iGRC), December 12, 2014, Chiang Mai, Thailand.*
 7. Chaliya Jaiyen, Promsuk Jutabha, Naohiko Anzai and **Chutima Srimaroeng**. Interaction of green tea catechins with renal organic cation transporter 2. *Proceeding to International Graduate Research Conference (iGRC), December 12, 2014, Chiang Mai, Thailand.*
 8. **Chutima Srimaroeng**, Promsuk Jutabha, Naohiko Anzai, Atcharaporn Ontawong, Metee Jinakote, and Jaiyen Chaliya. Potential interaction of anxiolytic drug, buspirone, with human organic cation transporter 1. The 13th European Regional International Society for the Study of Xenobiotics (ISSX), June 22-25, 2015, Glasgow, Scotland.
 9. Atcharaporn Ontawong, Acharaporn Duangjai, Chatchai Muanprasat, Anchalee Pongchaidecha and Chutima Srimareong. Inhibition of Cholesterol Absorption by Coffee Pulp Extract in intestinal Caco-2 cells. The 8th Federation of Asian and Oceanian Physiological Societies (FAOPS) Congress, November 22th-25th, 2015, Bangkok, Thailand.
 10. Tiphida Pasachan, Atcharaporn Ontawong, Acharaporn Duangjai, Anchalee Pongchaidecha, Chatchai Muanprasat, and **Chutima Srimareong**. Effect of *Tiliacora triandra* (Colebr.) Diels on cholesterol synthesis and absorption *in vitro*. The 8th Federation of Asian and Oceanian Physiological Societies (FAOPS) Congress, Bangkok, Thailand. November 22-25, 2015.
 11. Oranit Boonphang, Atcharaporn Ontawong, Anchalee Pongchidecha, Tiphida Pasachan, Acharaporn Duangjai, and **Chutima Srimaroeng**. The effect of oxidative and nitrosative stresses on renal organic anion transporter 3 function in type 2 diabetic rats. The 8th Federation of Asian and Oceanian Physiological Societies (FAOPS) Congress, November 22-25, 2015, Bangkok, Thailand.
 12. Metee Jinakote, Sunhapas Soodvilai, Atcharaporn Ontawong, and **Chutima Srimaroeng**. *In Vitro* Study of Organic Cation Drug Transport Mediated by Human Organic Cation Transporter 1 (*SLC22A1*) and 3 (*SLC22A3*) in Hepatocellular

- Carcinoma (HepG2) cells. The 8th Federation of Asian and Oceanian Physiological Societies (FAOPS) Congress, November 22th-25th, 2015, Bangkok, Thailand.
13. Oranit Boonphang, Atcharaporn Ontawong, Anchalee Pongchaidecha, Tiphthida Pasachan, Acharaporn Duangjai, and **Chutima Srimaroeng**. Effect of Metformin on Renal Organic Cation and Anion Transport Functions in Type 2 Diabetic Rats. *Proceeding to International Graduate Research Conference (iGRC)*, December 11th, 2015, Chiang Mai, Thailand.
 14. Jutatip Kaewmalee, Atcharaporn Ontawong, Tiphthida Pasachan, Acharaporn Duangjai, Patima Phainuphong, Vatcharin Rukachaisirikul, Chatchai Muanprasat, and **Chutima Srimareong**. Lovastatin extracted from *A. sclerotiorum* PSU-RSPG178 ameliorates hepatic glucose production, insulin resistance, and hepatic steatosis in obese insulin resistance 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.
 15. 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.
 16. Tiphthida Pasachan, Atcharaporn Ontawong, Acharaporn Duangjai, Oranit Boonphang, Anchalee Pongchaidecha, Doungporn Amornlerdpison and **Chutima Srimareong**. Tiliacora triandra (Colebr.) Diels reduces lipid accumulation in hepatocellular carcinoma (HepG2) cells. *Proceeding to the 6th The 6th National and International Conference 2018 (CASNIC 2018) "Blockchain in Education: The New Challenge for Academy Reform"*. October 5th, 2018, College of Asian Scholars, Khon Kaen, Thailand.
 17. Atcharaporn Ontawong, Tiphthida Pasachan, Sunhapas Soodvilai, Acharaporn Duangjai, Anchalee Pongchaidecha, Doungporn Amornlerdpison and **Chutima Srimareong**. Effect of coffee pulp aqueous extract against lipid accumulation in human 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.
 18. Tiphthida Pasachan, Atcharaporn Ontawong, Sunhapas Soodvilai, Acharaporn Duangjai, Anchalee Pongchaidecha, Doungporn 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.

CONFERENCE SHORT PAPERS AND ABSTRACTS

1. Chatsudthipong, V., **Srimaroeng, C.** and Endou, H. The interaction of steviol with cloned human organic anion transporter 1 and 3 expressed in *Xenopus Laevis* Oocytes and Renal S₂ cells. *IUPS Journal*. 2000
2. **Srimaroeng C.**, Babu E., Endou H., Chatsudthipong V. The Interaction of Steviol with Cloned Human Organic Anion Transporter 1 and 3 Expressed in *Xenopus Laevis* Oocytes and Renal S₂ Cells. *RGJ - Ph.D. Congress III 2002*. Abstract: 137.

3. **C. Srimaroeng**, V. Chatsudthipong, J. B. Pritchard. Mechanisms of Steviol Transport by Human Organic Anion Transporters 1 and 3 (hOAT1 and 3). *The American Society For Cell Biology 43rd 2003 Annual Meeting*. Late Abstracts: L221.
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BOOK CHAPTERS -

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