



บันทึกข้อความ

ส่วนงาน สาขาวิชาปฐพีศาสตร์ คณะผลิตกรรมการเกษตร โทร. ๓๓๒๐ ต่อ ๑๐๐
ที่ อว ๖๙.๓.๖/๐๘๒ วันที่ ๓๐ เมษายน ๒๕๖๔

เรื่อง ขอพิจารณาแต่งตั้งผู้ทรงคุณวุฒิ (Peer Reviewer) เพื่อพิจารณาประเมินหนังสือของศาสตราจารย์
ดร. อานัฐ ตันโช

เรียน คณบดีคณะผลิตกรรมการเกษตร

ด้วยข้าพเจ้า ดร. อานัฐ ตันโช ตำแหน่ง ศาสตราจารย์ สังกัด หลักสูตรวิทยาศาสตร์บัณฑิต
สาขาวิชาปฐพีศาสตร์ คณะผลิตกรรมการเกษตร ได้ดำเนินการจัดทำหนังสือเพื่อใช้เผยแพร่ในเชิงวิชาการ นั้น

ดังนั้น เพื่อให้เป็นไปตามหลักเกณฑ์ที่ ก.พอ. กำหนด ข้าพเจ้ามีความประสงค์จะขอแต่งตั้ง
ผู้ทรงคุณวุฒิ (Peer Reviewer) ในการประเมินหนังสือจำนวน ๕ เรื่อง ประกอบด้วย

๑. หนังสือเรื่อง การปลูกกล้วยเชิงพาณิชย์
๒. หนังสือเรื่อง การปลูกพืชโดยไม่ใช้ดิน(ไฮโดรโปนิกส์)
๓. หนังสือเรื่อง การผลิตปุ๋ยหมักมูลไส้เดือนดินจากขยะอินทรีย์
๔. หนังสือเรื่อง คัดแยกอูจจาระและปัสสาวะมนุษย์เพื่อนำไปใช้ประโยชน์ทางการเกษตรและ
อนุรักษ์สิ่งแวดล้อม
๕. หนังสือเรื่อง การผลิตปุ๋ยอินทรีย์และการเลี้ยงหนอนแมง

โดยมีรายชื่อผู้ทรงคุณวุฒิ ดังนี้

๑. ศาสตราจารย์ ดร.ศุภมาศ พนิชศักดิ์พัฒนา ข้าราชการบำนาญ ตำแหน่งศาสตราจารย์
ภาควิชาปฐพีวิทยา คณะเกษตร มหาวิทยาลัยเกษตรศาสตร์
๒. รองศาสตราจารย์ ดร.สมเดช ศรีชัยรัตนกุล ตำแหน่ง รองศาสตราจารย์ สังกัด คณะ
แพทยศาสตร์ มหาวิทยาลัยเชียงใหม่ ดังประวัติและผลงานที่แนบมาพร้อมนี้

จึงเรียนมาเพื่อโปรดพิจารณานำเสนอที่ประชุมคณะกรรมการประจำคณะเพื่อพิจารณา
ดำเนินการต่อไป

เรียน คณบดี

☐ เพื่อโปรดทราบ ☒ เพื่อโปรดพิจารณา
☒ เห็นควรแจ้ง *เรียน กก. อว. ๑๕๖๔๑๑๑*
เพื่อพิจารณาต่อไป

ml

(นางกนกพร นันทิ)
ผู้อำนวยการสำนักงานคณบดี
คณะผลิตกรรมการเกษตร

(ศาสตราจารย์ ดร.อานัฐ ตันโช)

อาจารย์ประจำหลักสูตรวิทยาศาสตร์บัณฑิต
สาขาวิชาปฐพีศาสตร์

อ.วิจิตร

1. *ฟาร์ม*
๕. *ดีป้า*
3. *อ.วิจิตร*
4. *อ.วิจิตร*

(อาจารย์ ดร.วิเชษฐาภรณ์ สมบูรณ์ชัย)
รองคณบดีฝ่ายวางแผนและประกันคุณภาพ

คณะผลิตกรรมการเกษตร
เลขที่ 1471 วันที่ 10.12
วันที่ 3 พค 2564

คณบดีคณะผลิตกรรมการเกษตร
เลขที่ 1291 วันที่ 14.40
วันที่ 03 พค 2564

จัดตั้งเสนอ

ผู้ช่วยศาสตราจารย์ ดร.เรืองชัย จูวัฒนสุภะ
คณบดีคณะผลิตกรรมการเกษตร
03 พค 2564

ประวัติและผลงาน

ศาสตราจารย์เกียรติคุณ ดร.ศุภมาส พนิชศักดิ์พัฒนา

วัน เดือน ปี เกิด

5 พฤศจิกายน 2490 (ตำบลไชยบุรี อำเภอกำแพงแสน จังหวัดนครพนม สมัยนั้นรถยนต์เข้าไม่ถึง เห็นรถยนต์ตอนย้ายมาอยู่ที่จังหวัดเมื่ออายุ 6 ขวบ)

ตำแหน่งปัจจุบัน

ศาสตราจารย์เกียรติคุณ มหาวิทยาลัยเกษตรศาสตร์

การศึกษา

D.Agr. (Agri. Chemistry)	University of Tokyo	พ.ศ. 2522
วทม. (เกษตรศาสตร์)	มหาวิทยาลัยเกษตรศาสตร์	พ.ศ. 2514
กส.บ	มหาวิทยาลัยเกษตรศาสตร์	พ.ศ. 2512
Cert. In the Use of Isotope and Radiation	IAEA, Vienna, Austria	พ.ศ. 2532
Cert. In Cropping Systems	IRRI, Philippines	พ.ศ. 2517

เกียรติคุณทางราชการ/สังคม

1. ได้รับพระมหากรุณาธิคุณโปรดเกล้าฯ พระราชทานเครื่องราชอิสริยาภรณ์ ชั้นมหาปรมาภรณ์ช้างเผือก พ.ศ. 2548
2. รางวัลวิจัยดีเด่นสาขาพืช การประชุมวิชาการมหาวิทยาลัยเกษตรศาสตร์ ครั้งที่ 24 ประจำปี 2530
3. รางวัล TTF AWARD (Toyota Thailand Foundation Award) สาขาสิ่งแวดล้อม ประจำปี 2540-41 จากการเขียนตำรา “ภาวะมลพิษของดินจากการใช้สารเคมี”
4. ได้รับพระมหากรุณาธิคุณโปรดเกล้าฯ ให้ดำรงตำแหน่ง นายกสมาคมมหาวิทยาลัยราชภัฏสกลนคร 6 สมัย (13 ต.ค. 2540-2559)
5. ได้รับเลือกเป็นศิษย์เก่าดีเด่น ภาควิชาปฐพีวิทยา มหาวิทยาลัยเกษตรศาสตร์ ประจำปี 2541
6. ดำรงตำแหน่งคณบดีคณะเกษตร มหาวิทยาลัยเกษตรศาสตร์ โดยการสรรหา พ.ศ. 2541-2545

7. ได้รับเลือกเป็นบุคคลตัวอย่างทางวิชาการของมหาวิทยาลัยเกษตรศาสตร์ ประจำปี 2541
8. ได้รับเลือกเป็นบุคคลตัวอย่างทางวิชาการของมูลนิธิเพื่อสังคมไทย ประจำปี 2542
9. ได้รับเลือกเป็นประธานสภาคณบดีสาขาเกษตร พ.ศ. 2544-45
10. ได้รับเลือกเป็น Second Vice-Chairperson, Scientific Committees of the 17th World Congress of Soil Science, Bangkok, Thailand (14-21 August 2002)
11. ดำรงตำแหน่งรองอธิการบดีฝ่ายวิชาการมหาวิทยาลัยเกษตรศาสตร์ พ.ศ. 2545-2551
12. ที่ปรึกษารัฐมนตรีว่าการกระทรวงวิทยาศาสตร์และเทคโนโลยี พ.ศ. 2546
13. พ่อตัวอย่างแห่งชาติ พ.ศ. 2546
14. Technical Advisory Committee of Food & Fertilizer Technology Center for the Asian and Pacific Region (FFTC-TAC) พ.ศ. 2546-2556
15. ประธานสาขาเกษตรศาสตร์ ในคณะกรรมการโครงการสารานุกรมไทยสำหรับเยาวชน โดยพระราชประสงค์ในพระบาทสมเด็จพระเจ้าอยู่หัว พ.ศ. 2546-ปัจจุบัน
16. ประธานคณะกรรมการพิจารณาตำแหน่งทางวิชาการมหาวิทยาลัยราชภัฏพระนครศรีอยุธยา (24 ธันวาคม 2552 - 2556)
17. ได้รับเลือกเป็นนิสิตเก่าดีเด่นคณะเกษตร ของสมาคมนิสิตเก่าคณะเกษตร มหาวิทยาลัยเกษตรศาสตร์ ประจำปี พ.ศ. 2553
18. Editorial Committee, Japanese Society for Tropical Agriculture (2002-2010)
19. Visiting Research Scholar, Center for Southeast Asian Studies, Kyoto U. (2529)
20. Visiting Professor, Kyoto University (เมษายน-กันยายน 2553)
21. Steering Committee, International Program of Collaborative Research, Center for Southeast Asian Studies (IPCR-CSEAS), Kyoto University (พ.ศ. 2555-2559)
22. บุคคลต้นแบบผู้สร้างคุณประโยชน์ต่อการพัฒนาบัณฑิตอุตสาหกรรมไทย. เครือข่ายสถาบันอุดมศึกษาเขตภาคกลางเพื่อพัฒนาบัณฑิตอุตสาหกรรมไทย. สำนักงานคณะกรรมการอุดมศึกษา (พ.ศ. 2555)

23. ได้รับเลือกเป็นศิษย์เก่าดีเด่นมหาวิทยาลัยเกษตรศาสตร์ ของสมาคมศิษย์เก่ามหาวิทยาลัยเกษตรศาสตร์ (พ.ศ. 2558).

24. ได้รับพระมหากรุณาธิคุณโปรดเกล้าฯ ให้ดำรงตำแหน่ง นายกสมาคมมหาวิทยาลัยราชภัฏพระนครศรีอยุธยา (31 ส.ค. 2555-2559)

25. ได้รับพระมหากรุณาธิคุณโปรดเกล้าฯ ให้ดำรงตำแหน่ง นายกสมาคมมหาวิทยาลัยราชภัฏเทพสตรี ลพบุรี (พ.ศ. 2560)

26. ได้รับเลือกเป็นศิษย์เก่าดีเด่น สมาคมนักเรียนเก่าญี่ปุ่น ในพระบรมราชูปถัมภ์ (พ.ศ. 2516)

27. ได้รับแต่งตั้งเป็นศาสตราจารย์เกียรติคุณ คณะเกษตร มหาวิทยาลัยเกษตรศาสตร์ (พ.ศ. 2561)

ผลงานทางวิชาการ

ผลงานพิมพ์ตำรา 5 เรื่อง บทความวิจัยและบทความวิชาการประมาณ 80 เรื่อง

CURRICULUM VITAE



1. Name-Family name:

(English) Mr. Somdet Srichairatanakool

(Thai) นายสมเดช ศรีชัยรัตนกุล

2. Thai citizen number: 3 1020 xxxxxxxx

3. Date of Birth: 5 February 1961

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6. Educations:

1983	B.Sc. (Med. Tech.)	Chiang Mai University, Thailand
1989	M.S. (Biochemistry)	Mahidol University, Thailand
2000	Ph.D. (Haematology)	University of London, United Kingdom
2009	Mini-Master (Management)	National Institute of Development and Administration, Bangkok, Thailand

7. Honored positions:

7.1 A visiting Professor:

1. Kumamoto University, Kumamoto, Japan (November 2019 – September 2021)

7.2 Academic Editorial Broad:

- 1) Asian Journal of Research in Medical and Pharmaceutical Sciences
- 2) South Asian Journal of Parasitology

7.3 Peer reviewers:

- 1) Bioscience Report Journal: Manuscript

8. Publications:

8.1 Journal Articles

1. Rangdaeng, S., Scollard, D.M., **Srichairatanakool, S.**, Suttachit, M. and Phonphutkul, C. (1987). Glycogen storage disease type II (Pompe's disease): the first biochemical evidence in Thailand. *J. Med. Assoc. Thai.* 70(9): 536-542.

2. Olivieri, N.F., Nisbet-Brown, E., **Srichairatanakool, S.**, Dragsten, P., Hallaway, P., Hedlund, B. and Porter, J.B. (1996). Studies of iron excretion and non-transferrin-bound plasma iron (NTBPI) following a single infusion of hydroxyethyl starch-deferoxamine (HES-DFO): A new approach to iron chelation therapy. *Blood*. 90(10) Supplement 1(part 1), 301a.
3. Perry, A.R., **Srichairatanakool, S.**, McKeag, N., Peniket, A.J., Goldstone, A.H. and Porter, J.B. (1997). Non-transferrin-bound iron (NTBI) persisting in the long-term after bone marrow transplantation (BMT). *Bone Marrow Transplant*. 19(Supplement S7), 24.
4. Bradley, S.J., Gosriwatana, I., **Srichairatanakool, S.**, Hider, R.C. and Porter, J.B. (1997). Non-transferrin-bound iron induced my myeloablative chemotherapy. *Br. J. Haematol*. 99: 337-343 (PubMed).
5. Porter, J.B., **Srichairatanakool, S.**, Nathan, D.G., Schinkel, H., Gee, B. and Porter, J.B. (1998). Relative efficacy of subcutaneous infusions and bolus injections of deferoxamine in the removal of non-transferrin-bound iron (NTBI). *Blood*, 92(10) Supplement 1(part 1), 668a.
6. Wickramasinghe, S.N., Thein, S.L., **Srichairatanakool, S.** and Porter, J.B. (1999). Determinants of iron status and bilirubin levels in congenital dyserythropoietic anaemia type I. *Br. J. Haematol*. 107: 522-525 (PubMed).
7. Vip Viprakasit, Alison T. Merryweather-Clarke, Yingyong Chinthammitr, Lisa Schimanski, Hal Drakesmith, **Somdet Srichairatanakool**, Chanin Limwongse, Alain Townsend, Kathryn J.H. Robson. (2004) "Molecular Diagnosis of the First Ferroportin Mutation (C326Y) in the Far East Causing a Dominant Form of Inherited Iron Overload". *Blood*, 104(11), Supplement 3027.
8. Seenumgoen S, Mahanupab P, **Srichairatanakool S** and Chiewchanvit S. (2004) Ochronosis: A Case Report and Review of the Literature. *Thai J. Dermatol*. 20(2): 90-102.
9. Porter JB, Rafique R, **Srichairatanakool S**, Davis BA, Shah FT, Hair T and Evans P. (2005) Recent insights into interactions of deferoxamine with cellular and plasma iron pools: implications for clinical use. *Ann. N.Y. Acad. Sci*. 1054: 155-168 (PubMed).
10. Nattakaan Leelarungrayab, Viboon Rattanapanone, **Somdet Srichairatanakool**, Nantaya Chanarat and Janusz M. Gebicki. (2005) Anti-Oxidative Stress and Anti-Inflammatory Effects of Thai Shallot (*Allium Ascalonicum* L.) Extracts in Human Monocytic (U937) Cells. *Niigata J. Health&Welfare*. 4(1): 11-22.
11. **Somdet Srichairatanakool**, Sakaewan Ounjiajean, Chonthida Thephinlap, Udompun Khansuwan, Chada Phisalpong and Suthat Fucharoen. (2006) IRON-CHELATING AND FREE-RADICAL SCAVENGING ACTIVITIES OF MICROWAVE-PROCESSED GREEN TEA IN IRON OVERLOAD. *Hemoglobin*, 30(2): 311-327 (PubMed).

12. Tanat Incharoen, Chontida Tephinlap, **Somdet Srichairatanakool**, Siriporn Chattipakorn, Pranee Winichagoon, Suthat Fucharoen, Jim Vadolas and Nipon Chattipakorn. (2007) Heart Rate Variability in beta-Thalassemia Mice. *Int. J. Cardiol.* 121(2): 203-204 (PubMed).
13. C. Thephinlap, S. Ounjaijean, U. Khansuwan, S. Fucharoen, J.B. Porter and S. **Srichairatanakool**. (2007) Epigallocatechin-3-gallate and epicatechin-3-gallate from green tea decrease plasma non-transferrin bound iron and erythrocyte oxidative stress. *Med. Chem.* 3(3):289-296 (PubMed).
14. S. **Srichairatanakool**, C. Thephinlap, C. Phisalaphong, J.B. Porter and S. Fucharoen. (2007) Curcumin contributes to in vitro removal of non-transferrin bound iron by deferiprone and desferrioxamine in thalassemic plasma. *Med. Chem.* 3:469-474 (PubMed).
15. Duangruthai Phongchiewboon, Jeerawan Wannaweke, Prasong Tienboon, Pannee Siriwatanapa, Kannika Vitsupakorn, **Somdet Srichairatanakool**, Aram Phongchiewboon. (2007) Serum and breast-milk vitamin A levels in nursing women in three selected districts of Chiang Mai Province of Thailand. *Thai J. Clin. Nutri.* 1(2): xxx-xxx.
16. Meerang, M., Nair, J., Sirankapracha, P., Thephinlap, C., **Srichairatanakool**, S., Fucharoen, S., Bartsch, H. (2008) Increased urinary 1,N⁶-ethenodeoxyadenosine and 3,N⁴-ethenodeoxycytidine excretion in thalassemia patients: markers for lipid peroxidation-induced DNA damage. *Free Radic. Biol. Med.* 44(10): 1863-1868. (IF = 4.971) (PubMed).
17. Ounjaijean, S., Thephinlap, C., Khansuwan, U., Phisalaphong, C., Fucharoen, S., Porter, J. B., **Srichairatanakool**, S. (2008) Effect of green tea on iron status and oxidative stress in iron-loaded rats *Med Chem.* 4(4): 365-370. (IF = 1.468) (PubMed).
18. Winthana Kusirisin, **Somdet Srichairatanakool**, Peerasak Lerttrakarnnon, Narissara Lailerd, Maitree Suttajit, Churdsak Jaikang and Chaiyavat Chaiyasut. (2009) Antioxidative Activity, Polyphenolic Content and Anti-Glycation Effect of Some Thai Medicinal Plants Traditionally Used in Diabetic Patients. *Med. Chem.* 5(2): 139-147. (IF = 1.468) (PubMed).
19. Lok, C. Y., Merryweather-Clarke, A. T., Viprakasit, V., Chinthammitr, Y., **Srichairatanakool**, S., Limwongse, C., Oleesky, D., Robins, A. J., Hudson, J., Wai, P., Premawardhena, A., de Silva, H. J., Dassanayake, A., McKeown, C., Jackson, M., Gama, R., Khan, N., Newman, W., Banait, G., Chilton, A., Wilson-Morkeh, I., Weatherall, D. J., Robson, K. J. (2009) Iron overload in the Asian community. *Blood.* 114(1): 20-25. (IF 2009 = 10.555) (PubMed).
20. Meerang, M., Nair, J., Sirankapracha, P., Thephinlap, C., **Srichairatanakool**, S., Arab, K., Kalpravidh, R., Vadolas, J., Fucharoen, S., Bartsch, H. (2009) Accumulation of lipid peroxidation-derived DNA lesions in iron-overloaded thalassemic mouse livers: Comparison with levels in the lymphocytes of thalassemia patients. *Int. J. Cancer.* 125(4): 759-766. (IF 2009 = 4.722) (PubMed).

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92. Koonyosying, P., Tantiworawit, A., Hantrakool, S., Utama-Ang, N., Cresswell, M., Fucharoen, S., Porter, J. B., **Srichairatanakool, S.*** (2020) Consumption of a green tea extract-curcumin drink decreases blood urea nitrogen and redox iron in beta-thalassemia patients. *Food Funct*, EpubDate 2020/01/18 (PubMed Impact Factor 2019 = 3.241)
93. Narisara Paradee, Duangta Kanjanapothi, Tawat Taesotikul, Sarawut Kongkarnka, Adchara Prommaban, Pimpisid Koonyosying, **Somdet Srichairatanakool.*** (2020) Thai *Perilla frutescens* fruit oil alleviates carbon tetrachloride-induced hepatotoxicities in rats. *Asian Pac J Trop Biomed*, 10: xxx-yyy (SCOPUS Impact Factor 2020 = 1.59)
94. Jetsada Ruangsuriya, Penprapa Sivoj, Pisittawoot Ayood, Krongporn Ongprasert, Navakoon Kaewtunjai, **Somdet Srichairatanakool**, Wirote Tuntiwechapikul, Jiraporn Chittrakul. (2020) Biomarker: Trolox equivalent antioxidant capacity and telomere length of Thai elderly people with frailty. *Journal of Health Sciences*, 2020 (SCOPUS, RG Impact Factor 2018.2019 = 0.41)
95. Paradee, N., Utama-Ang, N., Uthaipibull, C., Porter, J., Garbowski, M. W., **Srichairatanakool, S.*** (2020) Extracts of Thai *Perilla frutescens* nutlets attenuate tumour necrosis factor-alpha-activated generation of microparticles, ICAM-1 and IL-6 in human endothelial cells. *Biosci Rep*, EpubMed 2020/05/20. DOI: 224731 [pii] 10.1042/BSR20192110 (Web of Science, PubMed Impact Factor 2019-2020 = 2.535, Q1 in Biophysics, Q2 in Biochemistry) (<https://academic-accelerator.com/Impact-Factor-IF/Bioscience-Reports> Accessed on May 20, 2020)

96. Yang Wu, Vesela Encheva, Judith L. Green, Edwin Lasonder, Adchara Prommaban, Simone Kunzelmann, Evangelos Christodoulou, Munira Grainger, Ngoc Truongvan, Sebastian Bothe, Vikram Sharma, Wei Song, Irene Pinzuti, Chairat Uthaipibull, **Somdet Srichairatanakool**, Veronique Barault, Gordon Langsley, Hermann Schindelin, Benjamin Stieglitz, Ambrosius P. Snijders, Anthony A. Holder. (2020) Ubiquitin activation is essential for schizont maturation in *Plasmodium falciparum* blood-stage development. *PLoS Pathogens*, 2020 (Accepted for publication) (PubMed, Medline, Web of Science, Impact Factor 2019 = 4.51)
97. Adchara Prommaban, Niramom Utama-ang, Anan Chaikitwattana, Chairat Uthaipibull, John B. Porter, **Somdet Srichairatanakool**. (2020) Phytosterol, lipid and phenolic composition, and biological activities of guava seed oil. *Molecules*, 25: 2474; doi:10.3390/molecules25112474 (PubMed, Medline, Web of Science, Impact Factor 2019 = 3.060)
98. Chuljerm, H., Deudom, M., Fucharoen, S., Mazzacuva, F., Hider, R. C., **Srichairatanakool, S.**,* Cilibrizzi, A. (2020) Characterization of two siderophores produced by *Bacillus megaterium*: A preliminary investigation into their potential as therapeutic agents. *Biochim Biophys Acta Gen Subj*, p 129670, DOI: S0304-4165(20)30182-3 [pii] 10.1016/j.bbagen.2020.129670 (PubMed, Medline, Web of Science Q1 in Biochemistry, Impact Factor 2020 = 3.68)
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100. Supranee Upanan, **Somdet Srichairatanakool**, Sirivipa Piyamongkol, Wirawit Piyamongkol (2020) Accuracy of hemoglobin E screening test using allelic discrimination assay. *Thai J Obst & Gynaecol*, 28 (3), 136-141 (SCOPUS)
101. Silvilairat, S., Charoenkwan, P., Saekho, S., Tantiworawit, A., **Srichairatanakool, S.** (2020) Early detection of ventricular dysfunction by tissue Doppler echocardiography related to cardiac iron overload in patients with thalassemia. *Int J Cardiovasc Imaging*. E Pub Date 2020/07/31 (PubMed, Medline, Web of Science, Impact Factor 2019 = 1.729)
102. Kanokwan Kulprachakarn, Sakaewan Ounjaijean, **Somdet Srichairatanakool**, Duangta Kanjanapothi (2020) Evaluation of Cytotoxicity and Antioxidant Potential of Bael Leaf (*Aegle marmelos*) on Human Hepatocellular Carcinoma Cell Line. *Pharmacogn Res*. 12: xxx-yyy. (SCOPUS, Impact Factor 2019 = 0.377)

103. Pimpisid Koonyosying, Ben Flemming, Winthana Kusirisin, Peerasak Lerttrakarnnon, Niramon Utama-ang, Suthat Fucharoen & **Somdet Srichairatanakool*** (2020). Production, iron analysis and consumer perception of functional Thai Sinlek iron rice (*Oryza sativa*) drink. *Int J Food Sci & Technol*. 1-15 (SCOPUS, Impact Factor 2020 = 2.773)
104. Hutachok, N., Angkasith, P., Chumpun, C., Fucharoen, S., Mackie, I. J., Porter, J. B., **Srichairatanakool, S.*** (2020) Anti-Platelet Aggregation and Anti-Cyclooxygenase Activities for a Range of Coffee Extracts (*Coffea arabica*). *Molecules*, 26(10): 2020/12/31 (PubMed, Web of Science, Impact Factor 2020 = 3.267)
105. Paradee, N., Koonyosying, P., Kusirisin, W., Janthip, R., Kanjanapothi, D., Pattanapanyasat, K., **Srichairatanakool, S.*** (2021) Analgesic, anti-inflammatory and anti-ulcer properties of Thai *Perilla frutescence* fruit oil in animals. *Biosci Rep*, 41(1): 2021/01/06 (PubMed, Web of Science, Impact Factor 2020 = 2.914)
106. Tantiworawit, A., Khemakapasiddhi, S., Rattanathammethee, T., Hantrakool, S., Chai-Adisaksopha, C., Rattarittamrong, E., Norasetthada, L., Charoenkwan, P., **Srichairatanakool, S.**, Fanhchaksai, K. (2021) Correlation of hepcidin and serum ferritin levels in thalassemia patients at Chiang Mai University Hospital. *Biosci Rep*, 2021/02/11. 227833 [pii]10.1042/BSR20203352 (PubMed, Web of Science, Impact Factor 2020 = 2.914)

8.2 Books:

1. **Somdet Srichairatanakool** and Suthat Fucharoen. Chapter 4: Antioxidants as Complimentary Medication in Thalassemia. DOI: 10.5772/57372 In: *Pharmacology and Nutritional Intervention in the Treatment of Disease*. InTech Europe 2014 (<http://www.intechopen.com>) book edited by Faik Atroshi, ISBN 978-953-51-1383-6, Published: May 28, 2014 under CC BY 3.0 license
2. Sakaewan Ounjaijean, Suthat Fucharoen and **Somdet Srichairatanakool**. Chapter 19: Green Tea: Just a Drink or Nutraceutical. DOI: 10.5772/57519 In: *Pharmacology and Nutritional Intervention in the Treatment of Disease*. InTech Europe 2014 (<http://www.intechopen.com>) book edited by Faik Atroshi, ISBN 978-953-51-1383-6, Published: May 28, 2014 under CC BY 3.0 license
3. **Somdet Srichairatanakool**, Pimpisid Koonyosying, Suthat Fucharoen. Diet-related thalassaemia associated with iron overload. In: Personalized medicine and complementary medicine: In search diet-related diseases. InTechOpen Limited, London, United Kingdom. 2020. DOI: 10.5772/intechopen.91998. Online: <https://www.intechopen.com/books/personalized-medicine-in-relation-to-redox-state-diet-and-lifestyle>.

4. Pimpisid Koonyosying, Suthat Fucharoen, **Somdet Srichairatanakool**.
Nutraceutical Benefits of Green Tea in beta-Thalassemia with Iron Overload.
In: Beta-Thalassemia. InTechOpen Limited, London, United Kingdom. 2020.
DOI: 10.5772/intechopen.92970. Online:
<https://www.intechopen.com/books/beta-thalassemia/nutraceutical-benefits-of-green-tea-in-beta-thalassemia-with-iron-overload>

9. Research/Travelling grants

9.1 National funding

1. "Determinants on in vitro deferiprone chelation on non-transferrin bound iron (NTBI) in thalassaemic serum". Thailand Research Fund (Post-doctoral research). Year 2002 - 2003 (Principal Investigator).
2. "Thalassemia from molecule to clinics". Thailand Research Fund: Senior Research Scholar through Professor Suthat Fucharoen, MD. Year 2002 - 2004 (Co-investigator).
3. "Investigation of Anti-oxidant and iron-chelating activities of green tea catechins from Royal Project Foundation". Royal Project Foundation, Chiang Mai Grant. Year 2003 (Principal Investigator).
4. "Study of vitamin A level in maternal serum and breast milk in Amphur Omkoi compared to those in Amphur Maejam and Amphur Muang Chiang Mai". Office of Chiang Mai Public Health. Year 2003 (Co-investigator).
5. "Investigation of free-radicals scavenging and iron-chelating capacities of epigallocatechin gallate and epicatechin gallate in green tea from Royal Project Foundation". Royal Project Foundation, Chiang Mai Grant. Year 2004 - 2005 (Principal Investigator).
6. "Preparation of Doi-kum green tea tablets for health". Royal Project Foundation, Chiang Mai Grant. Year 2005 (Principal Investigator).
7. "Pathophysiology and Treatment of Thalassemia". Thailand Research Fund: Senior Research Scholar through Professor Suthat Fucharoen, MD. Year 2005 - 2007 (Co-investigator).
8. "Relationship between the levels of omega-3 fatty acids in cardiac tissues and the cardiac mortality in Thai cadavers". Medical Faculty Endowment, Faculty of Medicine, Chiang Mai University. December 2007 - November 2009. (Co-investigator).
9. "Potentials of green tea catechins in reduction of redox iron content in hepatocytes and cardiomyocytes in vitro and in vivo". Thailand Research Fund-Higher Education Committee (TRF-CHE) Research Grant for Mid-Career University Faculty. Year 2008 - 2010. (Principal Investigator).
10. "Development of prototype for diagnosis of thalassemia using Ripple Down Rule". Office of National Science and Technology Development (Northern Branch). Year 2009. (Principal Investigator).

11. "Properties of Green Tea Mixed Curcumin Product in Cell Culture and Rats". Office of National Research Committee of Thailand (Chiang Mai University). Year 2009 – 2010. (Principal Investigator).
12. "Efficacy of a novel oral iron chelator: 3-hydroxypyrid-4-one derivative". Institute of Research and Development, Government pharmaceuticals Organization of Thailand. Year 2010 – 2011. (Principal Investigator).
13. "Countermeasure against Spread of Drug Resistance Malaria Parasite in Thai Border Area". National Center for Genetic Engineering and Biotechnology (BIOTEC), Office of National Science and Technology Development, Ministry of Science and Technology. Year 2010 – 2012. (Co-investigator).
14. "Nutraceutical values of lychee on health promotion". Functional Fruits. Thailand Research Fund (Agriculture Section). Year 2011. (Co-investigator).
15. Potentials of *Gynura divaricata* DC. as drugs and nutraceuticals. Thailand Research Fund (Targeted Research). Year 2010 – 2012. (Co-investigator).
16. "Value-added Products from Rice Grass for Thalassemia Patients". Office of National Research Committee of Thailand. Year 2010 – 2012. (Co-investigator).
17. "Nutritional values and pharmacological activities of *Mangifera indica* Linn. varieties Mahachanok". Functional Fruits. Thailand Research Fund (Agriculture Section). Year 2011. (Principal Investigator).
18. "Hepatoprotective and immuno-modulating activities of phenolics constituent in fresh percarb of lychee (variety: Gimjeng and Chakapat)". Functional Fruits. Thailand Research Fund (Agriculture Section). Year 2011. (Co-investigator).
19. "Production and Characterization of Recombinant Methionine synthase of *Plasmodium falciparum*". Medical Faculty Fund, Chiang Mai University. Year 2011. (Principal Investigator).
20. "CONSTRUCTION OF RANDOM MUTANT LIBRARY OF *Plasmodium falciparum* DIHYDROFOLATE REDUCTASE AND ITS USE FOR STUDY OF EVOLUTION OF ANTIFOLATE RESISTANCE IN *Plasmodium berghei* MODEL". Medical Faculty Fund, Chiang Mai University. Year 2011. (Principal Investigator).
21. "Investigation of Biological and Pharmacological Activities of *Mangifera indica* Linn. for Manufacturing Health Products". Office of National Research Committee of Thailand. Year 2012. (Principal Investigator).
22. "Evaluation of Anti-malarial Drug Resistance and Identification of Drug Resistance Genes in *Plasmodium falciparum* from Malaria Patients in Mae-Sariang District Area, Mae Hong Son Province". Medical Faculty Fund, Chiang Mai University. Year 2012. (Principal Investigator).
23. "Study Status of Commercially available Thai Mango (*Mangifera Indica* Linn.) Product on Antioxidant and Immune Systems in Healthy Volunteers". Office of National Research Committee of Thailand. Year 2012. (Principal Investigator).

24. "Study Effect of Green Tea and Curcumin Products on Oxidative Stress and Iron Overload in Thalassemic Mice". Office of National Research Committee of Thailand (Chiang Mai University). Year 2013. (Principal Investigator).
25. "Study Effect of Green Tea Concentrated Beverage Fortified with Curcumin in Thalassemic Patients". Office of National Research Committee of Thailand (Chiang Mai University). Year 2014. (Principal Investigator).
26. "Conduction of real-time polymerase chain reaction (RT-PCR) and serological tests for Thailand malaria survey (TMS) 2012". Year 2013. (Principal Investigator).
27. "Development and innovation of perilla (*Perilla frutescens* Linn. Britt cv. Keemon) grain product for health benefits". Agricultural Research Development Agency (ARDA) (Public Organization), Thailand. Year 2014. (Principal Investigator).
28. "Increased blood production and improved neurological function by Sinlek rice product" Agricultural Research Development Agency (ARDA) (Public Organization), Thailand. Year 2017. (Principal Investigator)
29. "Development of sensitive assay of erythroferrone (ERFE)" Medical Faculty Fund, Chiang Mai University, Thailand. Duration: July 2018 – June 2019. (Principal Investigator)
30. "Innovation of green tea extract tablets for amelioration of iron overload and oxidative stress in thalassemia". Academic Section, Thailand Research Fund. October 2018 – September 2019. (Principal Investigator)
31. Development of green tea extracted in alginate bead for application in green tea drink for elderly (การพัฒนาสารสกัดในรูปแบบเม็ดปิดสัณฐาน เพื่อประยุกต์ใช้ในเครื่องดื่มชาเขียวสำหรับผู้สูงอายุ) ...ทุนวิจัยมูลนิธิโครงการหลวง (1 ตุลาคม 2562 – 30 กันยายน 2564). Budget 600,000 baht. (Principal Investigator)

9.2 International funding

1. Newton Fund (PhD. Supervisor, Associate Professor Somdet Srichairatanakool, PhD.) 2013/2014
2. Newton Fund (PhD. Placement, Miss Pimpisid Koonyosying) 2013/2014
3. Newton Fund (PhD. Supervisor, Associate Professor Somdet Srichairatanakool, PhD.) 2014/2015
4. Newton Fund (PhD. Placement, Miss Adchara Prommaban) 2014/2015
5. Newton Fund (PhD. Placement, Miss Narisara Paradee) 2014/2015
6. Newton Fund (PhD. Supervisor, Associate Professor Somdet Srichairatanakool, PhD.) 2015/2016
7. Newton Fund (PhD. Placement, Miss Hataichanok Chuljerm) 2016/2017
8. Newton Fund (PhD. Supervisor, Associate Professor Somdet Srichairatanakool, PhD.) 2016/2017

10. Scholarship

1. "Analysis of natural protective antibodies against merozoite surface protein-1 (MSP1) of malaria parasites *Plasmodium falciparum*". Thailand Graduate Institute of Science and Technology (TGIST) (Master degree student), National Science and Technology Development Agency (NSTDA), Ministry of Science and Technology. Year 2003 – 2004.
2. "Study of oxidative stress in vascular endothelial cells from patients with coronary heart disease". Medical Faculty Endowment Fund, Faculty of Medicine, Chiang Mai University. Year 2005.
3. "Development of Plasmodium Model for Anti-Folate Screening against *Plasmodium vivax DHFR*". Thailand Graduate Institute of Science and Technology (TGIST) (Doctoral degree student), National Science and Technology Development Agency (NSTDA), Ministry of Science and Technology. Year 2006 – 2008.
4. "Development of Animal Model for Anti-Folate Screening against *Plasmodium falciparum DHFR*". Thailand Graduate Institute of Science and Technology (TGIST) (Doctoral degree student), National Science and Technology Development, Ministry of Science and Technology Agency (NSTDA). Year 2007 – 2009.
5. "Development of Animal Model for Anti-Folate Screening against *Plasmodium falciparum DHFR*". Medical Faculty Endowment Fund, Faculty of Medicine, Chiang Mai University. Year 2010.
6. "Study of Methionine synthase from Plasmodium parasites". Thailand Graduate Institute of Science and Technology (TGIST) (Master degree student), National Science and Technology Development Agency (NSTDA), Ministry of Science and Technology. Year 2010 – 2011.
7. "Investigation of combined iron chelator and anti-folate drugs on malaria parasite growth (*Plasmodium spp.*) in vitro and in vivo". Thailand Graduate Institute of Science and Technology (TGIST) (Master degree student), National Science and Technology Development Agency (NSTDA), Ministry of Science and Technology. Year 2010 – 2011.
8. "Identification of novel drug resistance genes from field isolates". Thailand Graduate Institute of Science and Technology (TGIST) (Master degree student), National Science and Technology Development Agency (NSTDA), Ministry of Science and Technology. Year 2011 – 2012.
9. Miss Nittaya Chansiw. Royal Golden Jubilee (RGJ) PhD Programme 11 (Regular), Thailand Research Fund.
10. Miss Kanokwan Kulprachakarn. Royal Golden Jubilee (RGJ) PhD Programme 11 (Industry), Thailand Research Fund.
11. Miss Supranee Upanan. Royal Golden Jubilee (RGJ) PhD Programme 12 (Regular), Thailand Research Fund.
12. Miss Pimpisid Khunyosying. Royal Golden Jubilee (RGJ) PhD Programme 15 (Thalassemia Network), Thailand Research Fund.

13. Miss Adchara Prommaban. Research for Researcher and Industry (RRI) PhD Programme 1, Thailand Research Fund
14. Miss Narisara Paradee. Research for Researcher and Industry (RRI) PhD Programme 1, Thailand Research Fund
15. Miss Suparwadee Maneekeesorn. Royal Golden Jubilee PhD. Programme (National Science and Technology Development Agency) 2015 Thailand Research Fund
16. Miss Hataichanok Chuljerm. Research for Researcher and Industry (RRI) PhD Programme 2016 Thailand Research Fund
17. Miss Tanyaluk Kampaun. Royal Golden Jubilee PhD. Programme (National Science and Technology Development Agency) 2016 Thailand Research Fund
18. Miss Nuntouchaporn Hutachok. Research for Researcher and Industry (RRI) PhD Programme 2016 Thailand Research Fund
19. Mr. Touchwin Petiwathayakorn. Research for Researcher and Industry (RRI) PhD Programme 2017 Thailand Research Fund
20. Miss Kornvipa Setakorn. Research for Researcher and Industry (RRI) PhD Programme 2017 Thailand Research Fund.

11. Thesis Advisory Committee

1. "INVESTIGATION OF *IN VITRO* EFFECTS OF DEFERIPRONE AND CURCUMIN ON IRON STATUS AND OXIDATIVE STRESS IN END-STAGE RENAL FAILURE DISEASE PATIENTS ON REGULAR HEMODIALYSIS" Wachiraporn Thipsuwan M.Sc. (Biochemistry) Chiang Mai University 2004 (**Major Advisor**).
2. "IRON-CHELATING PROPERTY OF GREEN TEA EXTRACT IN IRON-OVERLOAD STATUS" Sakaewan Ounjaijean M.Sc. (Biochemistry) Chiang Mai University 2004 (**Major Advisor**).
3. "EFFEICACY OF CATECHINS FROM GREEN-TEA EXTRACT IN FREE-RADICAL SCAVENGING AND NON-TRANSFERRIN-BOUND IRON (NTBI) CHELATION IN α -THALASSEMIC SERUM" Chonthida Thephinlap M.Sc. (Biochemistry) Chiang Mai University 2005 (**Major Advisor**).
4. "STUDY OF OXIDATIVE STRESS IN VASCULAR ENDOTHELIAL CELLS IN CORONARY HEART DISEASE PATIENTS" Voravut Somsak M.Sc. (Biochemistry) Chiang Mai University 2005 (**Major Advisor**).
5. "Investigation of a Novel Oral Iron Chelator: 3-Hydroxypyridin-4-one Conjugates" Kanjana Pangjit M.Sc. (Biochemistry) Chiang Mai University 2006 (**Major Advisor**).
6. "Expression of L-type calcium channel and iron uptake in cardiomyocytes of thalassemic mice" Sirinaj Kumfu M.Sc. (Biochemistry) Chiang Mai University 2007 (**Major Advisor**).
7. "Effect of curcuminoids on iron overload in α -thalassemic mice" Chonthida Thephinlap PhD. (Biochemistry) Chiang Mai University 2009 (**Major Advisor**).

8. Thidarat Saewong M.Sc (Biochemistry) Chiang Mai University 2009 (**Major Thesis Advisor**).
9. Kanokwan Kulprachakarn. M.Sc. (Biochemistry) Chiang Mai University 2010 (**Major Advisor**).
10. "Development of Biosensing Technique for Quantification of Hydrogen Peroxide in Urine and Tracheal Aspirate from Lung Disease Patients with Oxidative Stress". Supatra Panya-ard M.Sc. (Biochemistry) Chiang Mai University 2007 (**Major Advisor**).
11. "Efficacy of green tea catechin treatment in iron-overload and oxidative-stress thalassemic mice" Sakaewan Ounjaijean PhD. (Biochemistry) Chiang Mai University 2010 (**Major Advisor**).
12. "Development of *Plasmodium berghei* culture for studying anti-folate drug in DHFR-TS pathway" Vorawut Somsak PhD. (Biochemistry) Chiang Mai University 2011 (**Major Advisor**).
13. "INVESTIGATION OF METHIONINE SYNTHASE IN MALARIA PARASITES AS ANTI-MALARIAL DRUG TARGET" Pimpisa Teeyakasem M.Sc. (Biochemistry) Chiang Mai University 2011 (**Major Advisor**).
14. "Development of Animal Model for Anti-Folate Screening against *Plasmodium falciparum* DHFR" Wachiraporn Thipsuwan PhD. (Biochemistry) Chiang Mai University 2012 (**Major Advisor**).
15. "Investigation of iron-chelating property of 3-hydroxypyrid-4-one derivative in cultured hepatocytes and thalassemic mice" Kanjana Pangjit PhD. (Biochemistry) Chiang Mai University 2012 (**Major Advisor**).
16. "Study of biochemical toxicity of a novel iron chelator 3-hydroxypyrid-4-one derivative in cancer cell lines and animal model". Nittaya Chansiw, PhD. Student in Biochemistry, Chiang Mai University 2010 funded by RGJ PhD Program (Regular 11) for 5 years commencing June 2009 (**Major Advisor**).
17. "Development of HPLC/Fluorescent Detection Technique for Quantification of Hepcidin as a Biomarker in Iron Overload". Kanokwan Kulprachakarn, PhD. Student in Biochemistry, Chiang Mai University 2010 funded by RGJ PhD Program (Industry 11) for 3 years commencing December 2010 (**Major Advisor**).
18. Effects of Green Tea Extract and an Iron Chelating Agent 1-(N-Acetyl-6-Aminoethyl)-3-Hydroxy-2-Methylpyridin-4-One(CM1) on Expression of Hepcidin in Cultured Hepatocytes and Thalassemic Mice with Iron Overload. Supanee Upanan, PhD. Student in Biochemistry, Chiang Mai University 2011 funded by RGJ PhD Program (Regular 12) for 3 years commencing June 2011 (**Major Advisor**).
19. "Study of Active Compound and Biological Activities of *Mangifera indica* L.cv. "Mahajanaka". Anusara Pongjanta, M.Sc. (Biochemistry) Chiang Mai University 2012 (**Major Advisor**).

20. "Effects of Green Tea Extract on Functions of Iron Overloaded Endocrine Glands: From Cells to Bedside. Pimpisid Kunyosying, PhD. student (Biochemistry), Chiang Mai University 2013 (Major Advisor), funded by RGJ PhD Program (Thalassemia network) (Regular 15) for 5 years commencing June 2012 (**Major Advisor**)
21. Adchara Prommaban, PhD. student (Biochemistry), Chiang Mai University 2013 (Major Advisor), funded by RRI PhD Program (Regular 1) for 4.5 years commencing August 2013 (**Major Advisor**)
22. Narissara Paradee, PhD. student (Biochemistry), Chiang Mai University 2013 (Major Advisor), funded by RRI PhD Program (Regular 1) for 4.5 years commencing August 2013 (**Major Advisor**)
23. "EFFECT OF BIOFLAVONOIDS ON P-GLYCOPROTEIN FUNCTION AND EXPRESSION IN HUMAN CERVICAL CARCINOMA CELLS" Orawan Kantamart M.Sc. (Biochemistry) Chiang Mai University 2003 (**Co-advisor**)
24. "EFFECT OF CURCUMIN ON NONHEME IRON AND PLATELET FACTOR 3 LIKE ACTIVITY" Orn-uma Srojitt M.S. (Biochemistry) Mahidol University 2003 (**Co-advisor**)
25. "EFFECTS OF RED MEAT PROTEIN ON OXIDATIVE STRESS AND ABBERANT CRYPT FOCI FORMATIONS IN AZOXYMETHANE-TREATED RATS" Sineenart Santitheerakul M.Sc. (Biochemistry) Chiang Mai University 2004 (**Co-advisor**)
26. "COMPARATIVE EFFECTS OF MEDICINAL PLANT EXTRACTS ON PREVENTION OF OXIDATIVE STRESS-INDUCED LYSIS IN RED BLOOD CELLS" Narunan Wuthisin M.Sc. (Biochemistry) Chiang Mai University 2006 (**Co-advisor**)
27. Winthana Kusirisin PhD. (Pharmacy) Chiang Mai University 2009 (**Co-advisor**)

12. Field of interests:

1. Iron metabolism & chelation in cells, animals and thalassemia with iron overload
2. Free radicals and anti-oxidants
3. Biochemistry and potential chemotherapeutic agents for malaria parasites
4. Innovation of functional food and medicinal plants

13. Collaborations:

1. Professor Suthat Fucharoen, MD. Thailand Research Center, Institute of Molecular Bioscience, Mahidol University Salaya Campus, Nakornprathom, Thailand. suthat.fuc@mahidol.ac.th
2. Dr. Chairat Uthairatibull, Ph.D., National Center for Genetic Engineering and Biotechnology, Office of National Science and Technology Development, Ministry of Science and Technology. chairat@biotec.or.th

3. Professor John B. Porter, MA, MD, FRCP, FRCPath., Department of Haematology, UCL Cancer Institute, University College London, London, United Kingdom. Email: j.porter@ucl.ac.uk
4. Professor Robert C. Hider, PhD., Institute of Pharmaceutical Sciences, 5th Floor Franklin-Wilkins Building, King's College London, London, United Kingdom. robert.hider@kcl.ac.uk
5. Professor Peter Hylands, PhD., Institute of Pharmaceutical Sciences, 5th Floor Franklin-Wilkins Building, King's College London, London United Kingdom. peter.2.hylands@kcl.ac.uk
6. Professor Andrew T. McKie, PhD. Head of Iron Metabolism Group, Diabetes and Nutritional Sciences, School of Medicine, Kings College London, Room 3.111, 3rd Floor, Franklin Wilkins Building, 150 Stamford Street, LONDON SE1 9NH, United Kingdom. Tel: +44 (0) 207 848 4509 Fax: +44 (0) 207 848 4500. Email: andrew.t.mckie@kcl.ac.uk
7. Anthony A. Holder, PhD. National Institute of Medical Research (NIMR) Laboratory, Mill Hill (now Francis Crick Institute, St. Pancras, London), London, United Kingdom.
8. Professor Yongmin Ma, PhD. Institute of Pharmaceutical Science, Fuchun Campus, Zhejiang Chinese Medical University, Hangzhou, People Republic of China. Email: mayongminuk@hotmail.com

14. Industry and Entrepreneur Collaboration:

Partnership	Research work
1. PharmaNutrients Inc., Chicago USA	1. Chitosan as potential hypolipidemic and anti-obesity agent
2. Tipco Biotech Company, Prachuabkerikhan, Thailand	2. <i>Perilla frutescent</i> seed oil and guava seed oil
3. Government Pharmaceutical Organization, Thailand	3. N-Aminoethyl-2-methyl-3-hydroxypyridin-4-one (CM1) as an orally active iron chelator
4. BioPharm Company, Bangkok, Thailand	4. Production of an orally active iron chelator from non-pathogenic bacteria
5. Royal Project Foundation, Chiang Mai, Thailand	5. Development of functional Arabica coffee as anti-thrombotic agent
6. 118 PPP Trading Company, Chiang Mai, Thailand	6. Development of functional tea cocktail as anti-thrombotic agent