CURRICULUM VITAE

Name **Upa Kukongviriyapan**

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Qualifications:

1979	B.Sc. (Hons, First Class)	Khon Kaen University
1982	M.Sc. (Physiology)	Chulalongkorn University
1991	Ph.D. (Physiology)	The University of Sydney, New South Wales, Australia

Major Field of Scientific Specialization:

Cardiovascular Physiology, Cardiovascular Toxicology, Assessment of Vascular Protective Activities of Thai Medicinal Plants, Phytochemicals, Nutraceuticals & Functional Foods.

Administrative Experiences:

December 1991 – October 2005	Research Committee of the Faculty of Medicine, Khon Kaen University.
January 1995 - January 1999	Deputy Head of Department of Physiology, Faculty of Medicine, Khon Kaen University**.**
October 1999 - October 2001	Deputy Head of the Laboratory Animal Unit, Faculty of Medicine, Khon Kaen University**.**
November 2001 - October 2005	Assistant Dean for Research Affairs, Faculty of Medicine, Khon Kaen University**.**
November 2001 - October 2005	Head of the Laboratory Animal Unit, Faculty of Medicine, Khon Kaen University**.**
November 2005 - July 2009	Chairman of the Animal Ethics Committee, Faculty of Medicine, Khon Kaen University.
May 2007 - September 2015	Administrative Committee of the Northeast Laboratory Animal Center of Thailand, Khon Kaen University.
July 2007 - September 2015	Vice-Chairman of Animal Ethics Committee of Khon Kaen University.
October 2009 - October 2013	Assistant Dean for Academic Affairs, Faculty of Medicine, Khon Kaen University.
March 2014 - September 2015	Research Committee of the Khon Kaen University.
May 2014 - September 2014	Working group on the Standard Proposal for Ethical Conduct in the Care and Use of Animals, The National Research Council of Thailand.
June 2015 - Present	Animal Ethics Committee of Khon Kaen University.

Professional memberships:

- Present of The Physiological Society of Thailand (PST) (2016-2018)
- Executive Committee of The Physiological Society of Thailand (PST) (2006-2015)
- Member The Australian Physiological Society Inc. (AuPS)
- Member of Thai Society of Microcirculation (TSM)
- Member The Electron Microscopy Society of Thailand (EMST)
- Member of Pharmacological and Therapeutic Society of Thailand

Research of interest:

- Antihypertensive activities of Thai medicinal plants and phytochemicals in experimentally induced hypertensive rats: *in vivo* and *in vivo* studies.
- Antioxidants and vascular protective effects of the phytochemicals, nutraceuticals and functional foods in experimentally-induced oxidant stress in animals: *in vitro* and *in vivo* studies.
- Evaluation of oxidative stress, redox status, nitric oxide metabolism, and vascular function in thalassemia patients and coronary artery disease patients.
- Assessments of vascular dysfunction and arterial stiffness in oxidant stress-induced metabolic diseases in an animal models and humans.

Awards

1986 -1990	PhD Scholarship Award from The Australian International Development Assistance Bureau (under Colombo Plan), studied at The University of Sydney, New South Wales, Australia.
1990	FAOPS fellowship award for The 2nd Congress of Asian and Oceanian Physiological Societies.
1994	IUPHAR fellowship award at The XIIth International Congress of Pharmacology
1996	Research Training Award from Japan Society for the Promotion of Science (JSPS)-Scientific Cooperation Program under the Core University System for Research Training at The Department of Clinical and Laboratory Medicine, Osaka City University Medical School, Osaka, Japan.
1997	IUPS fellowship award for at XXXIIIth International Congress of Physiological Sciences.
2005	IUPS fellowship award for at XXXVth International Congress of Physiological Sciences.
2005	Visiting Scholar Award from the Higher Commission on Education, Ministry of Education, Thailand for Research Training at the Institute of Cell and Molecular Science, Queen Mary University of London, United Kingdom.
2008	Thesis Advisor Award in Health Sciences for the Year 2007 from the Graduate School, Khon Kaen University, Thailand.
2008	The Best Pre-clinical Research Award (First Prize) for the Year 2008 from the Faculty of Medicine, Khon Kaen University, Khon Kaen, Thailand.

2009 Visiting Scholar Award from the British Council Grant, United Kingdom for Teaching and Research Collaboration at the Institute of Cell and Molecular Science, Queen Mary University of London, United Kingdom.

2010 The Best Pre-clinical Research Award (Second Prize) for the Year 2010 from the Faculty of Medicine, Khon Kaen University, Khon Kaen, Thailand.

2008 - 2011 PMI2 Connect-Research Co-operation Award, British Council Grant, United Kingdom.

2011 Thesis Advisor Award (Second Prize) in Health Sciences for the Year 2011 from the Graduate School, Khon Kaen University, Thailand.

2012 Thesis Advisor Award in Health Sciences for the Year 2011 from the Graduate School, Khon Kaen University, Thailand.

2016 Thesis Advisor Award in Health Sciences for the Year 2015 from the Graduate School, Khon Kaen University, Thailand

2017 Research Award for the Year 2017 from the National Research Council of Thailand at Bi-Tech Convention Center, Bangna, Bangkok,

International Publications:

1. Kukongviriyapan U, Gow BS. Morphometric analyses of rabbit thoracic aorta after poststenotic dilatation. Circ Res 1989; 65: 1774-1786.
2. Kukongviriyapan V, Kukongviriyapan U, Stacey NH. Interference with hepatocellular substrate uptake by 1,1,1-trichloroethane and tetrachloroethylene. Toxicol Appl Pharmacol 1989; 102: 80-90.
3. Gow BS, Legg MJ, Yu W, Kukongviriyapan U, Lee LL. Does vibration cause poststenotic dilatation *in vivo* and influence therogenesis in cholesterol-fed rabbits? J Biomecha Eng 1992; 114: 20-25.
4. Kukongviriyapan V, Kukongviriyapan U, Simajareuk S. Effects of chlorinated solvent exposure on hepatic transport of anionic dyes in the rats. Asia Pacific J of Pharmacol 1995; 10: 97-103.
5. Kukongviriyapan V, Simajareuk S, Kukongviriyapan U, Airarat W, Cha-on U. Alteration of drug kinetics in rats following exposure to trichloroethylene. Pharmacology 2001; 63 : 90-94.
6. Kukongviriyapan V, Janyacharoen T, Kukongviriyapan U, Laupattarakasaem P, Kanokmedhakul S, Chantaranothai P. Hepatoprotective and antioxidant activities of *Tetracera loureiri*. Phytother Res. 2003 Aug;17(7):717-21.
7. Kukongviriyapan V, Senggunprai L, Prawan A, Gaysornsiri D, Kukongviriyapan U, Aiemsa-ard J. Salivary caffeine metabolic ratio in alcohol-dependent subjects. Eur J Clin Pharmacol 2004 60:103-107.
8. Kukongviriyapan V, Phromsopha N, Tassaneeyakul W, Kukongviriyapan U, Sripa B, Hanvajanawong V, Bhudhisawasdi V. Inhibitory effects of polyphenolic compounds on human arylamine *N*-acetyltransferase 1 and 2. Xenobiotica 2006; 36:15-28.
9. Luangaram S, Kukongviriyapan U, Pakdeechote P, Kukongviriyapan V, Pannangpetch P. Protective effects of quercetin against phenylhydrazine-induced vascular dysfunction and oxidative stress in rats. Food Chem Tox 2007; 45(3): 448-455.
10. Somparn N, Kukongviriyapan U, Tassaneeyakul W, Jetsrisuparb A, Kukongviriyapan V. Modification of CYP2E1 and CYP3A4 activities in haemoglobin E-beta thalassemia patients. Eur J Clin Pharmacol 2007: 63(1): 43-50.
11. Kukongviriyapan U, Luangaram S, Leekhaosoong K, Kukongviriyapan V, Preeprame S. Antioxidant and vascular protective activities of *Cratoxylum formosum, Syzygium gratum and Limnophila aromatica*. Biol Pharm Bull 2007: 30(4): 661-666.

12. Pannangpetch P, Laupattarakasem P, Kukongviriyapan U, Kukongviriyapan V, Kongyingyoes B, Aromdee C. Antioxidant activity and protective effect against oxidative hemolysis of *Clinacanthus nutans* (Burm.f). Songklanakarin J Sci Technol 2007: 29(Suppl.1): 1-9.
13. Kukongviriyapan V, Somparn N, Senggunprai L, Prawan A, Kukongviriyapan U, Jetsrisuparb A. Endothelial dysfunction and oxidant status in pediatric patients with hemoglobin E-beta thalassemia. Paediatric Cardiology 2008; 29(1):130-5.
14. Leelayuwat N, Tunkumnerdthai O, Donsom M, Punyaek N, Manimanakorn A, Kukongviriyapan U, Kukongviriyapan V. An alternative exercise and its beneficial effects on glycaemic control and oxidative stress in subjects with type 2 diabetes. Diabetes Res Clin Pract. 2008; 82(2):e5-8.
15. Prawan A, Buranrat B, Kukongviriyapan U, Sripa B, Kukongviriyapan V. Inflammatory cytokines suppress NAD(P)H:quinine oxidoreductase-1 and induce oxidative stress in cholangiocarcinoma cells. J Cancer Res Clin Oncol 2009 135(4):515-22.
16. Naowaboot J, Pannangpetch P, Kukongviriyapan V, Kongyingyoes B, Kukongviriyapan U. Antihyperglycemic, Antioxidant and Antiglycation Activities of Mulberry Leaf Extract in Streptozotocin-Induced Chronic Diabetic Rats. Plant Foods Hum Nutr. 2009 64(2):116-121.
17. Sompamit K, Kukongviriyapan U, Nakmareong S, Pannangpetch P, Kukongviriyapan V. Curcumin improves vascular function and alleviates oxidative stress in non-lethal lipopolysaccharide-induced endotoxaemia in mice. Eur J Pharmacol 2009 616: 192-199.
18. Naowaboot J, Pannangpetch P, Kukongviriyapan V, Kukongviriyapan U, Nakmareong S, Itharat A. Mulberry leaf extract restores arterial pressure in streptozotocin-induced chronic diabetic rats. Nutr Res. 2009 ;29(8):602-8.
19. Senggunprai L, Kukongviriyapan U, Jetsrisuparb A, Kukongviriyapan V. Drug metabolizing enzyme CYP1A2 status in pediatric patients with hemoglobin E-beta thalassemia. J Med Assoc Thai. 2009 Dec;92(12):1675-80.
20. Buranrat B, Prawan A, Kukongviriyapan U, Kongpetch S, Kukongviriyapan V. Dicoumarol enhances gemcitabine-induced cytoxicity in high NQO1 expressing cholangiocarcinoma cells. World Journal of Gastroenterology 2010; 1;16(19):2362-70.
21. Sompamit K, Kukongviriyapan U, Donpunha W, Nakmareong S, Kukongviriyapan V. Reversal of cadmium-induced vascular dysfunction and oxidative stress by meso-2,3-dimercaptosuccinic acid in mice. Toxicology Letters 2010; 198: 77-82.
22. Suphim B, Prawan A, Kukongviriyapan U, Kongpetch S, Buranrat B, Kukongviriyapan V. Redox Modulation and Human Bile Duct Cancer Inhibition by Curcumin. Food Chem Toxicol. 2010; 48: 2265-2272.
23. Sengmeuang P, Kukongviriyapan U, Pasurivong O, Jones C, Khrisanapant W. Obesity: prevalence among adolescents attending secondary school in Khon Kaen, Thailand. Asian Biomedicine 2010: 4(6): 965-970.
24. Senggunprai L, Kukongviriyapan V, Prawan A, Kukongviriyapan U. Consumption of Syzygium gratum promotes the antioxidant defense system in mice. Plant Foods Hum Nutr. 2010 Dec;65(4):403-9
25. Donpunha W, Kukongviriyapan U, Sompamit K, Pakdeechote P, Kukongviriyapan V, Pannangpetch P. Protective effect of ascorbic acid on cadmium-induced hypertension and vascular dysfunction in mice. Biometals 2011: 24: 105-115.
26. Pakdeechote P, Kukongviriyapan U, Berkban W, Prachaney P, Kukongviriyapan V, Kongyingyoes B, Nakmareong S. *Mentha cordifolia* extract inhibits the development of hypertension in L-NAME-induced hypertensive rats. Journal of Medicinal Plants Research 2011; 5(7): 1175-1183.
27. Sathasivam S,Phababpha S, Sengmeuan P, Detchaporn P, Siddiqui Z, Kukongviriyapan U, Greenwald S. A novel approach to the assessment of vascular endothelial function. Journal of Physics: Conference Series 2011; 307(1): Article number 012014.
28. Nakmareong S, Kukongviriyapan U, Pakdeechote P, Donpunha W, Kukongviriyapan V, Kongyingyoes B, Sompamit K, Phisalaphong C. Antioxidant and vascular protective effects of curcumin and tetrahydrocurcumin in rats with L-NAME-induced hypertension. Naunyn Schmiedebergs Arch Pharmacol 2011; 383(5): 519-529.
29. Nakmareong S, Kukongviriyapan U, Pakdeechote P, Kukongviriyapan V, Kongyingyoes B, Donpunha W, Prachaney P, Phisalaphong C. Tetrahydrocurcumin alleviates hypertension, aortic stiffening and oxidative stress in rats with nitric oxide deficiency. Hypertens Res. 2012; 35: 418-425.

30. Naowaboot J, Chung CH, Pannangpetch P, Choi R, Kim BH, Lee MY, Kukongviriyapan U. Mulberry leaf extract increases adiponectin in murine 3T3-L1 adipocytes. Nutr Res. 2012 Jan;32(1): 39-44.
31. Naowaboot J, Pannangpetch P, Kukongviriyapan V, Prawan A, Kukongviriyapan U, Itharat A.Mulberry Leaf Extract Stimulates Glucose Uptake and GLUT4 Translocation in Rat Adipocytes. Am J Chin Med. 2012; 40(1):163-75.
32. Detchaporn P, Kukongviriyapan U, Prawan A, Jetsrisuparb A, Greenwald SE, Kukongviriyapan V. Altered Vascular Function, Arterial Stiffness, and Antioxidant Gene Responses in Pediatric Thalassemia Patients. Pediatr Cardiol. 2012; 33: 1054-1060.
33. Kongpetch S, Kukongviriyapan V, Prawan A, Senggunprai L, Kukongviriyapan U, Buranrat B. Crucial role of heme oxygenase-1 on the sensitivity of cholangiocarcinoma cells to chemotherapeutic agents. PLoS ONE 2012; 7(4): e34994.
34. Kukongviriyapan U, Sompamit K, Pannangpetch P, Kukongviriyapan V, Donpunha W. Preventive and therapeutic effects of quercetin on lipopolysaccharide-induced oxidative stress and vascular dysfunction in mice. Can J Physiol Pharmacol. 2012 Oct;90(10):1345-53.
35. Wisetmuen E, Pannangpetch P, Kongyingyoes B, Kukongviriyapan U, Yutanawiboonchai W, Itharat A. Insulin secretion enhancing activity of roselle calyx extract in normal and streptozotocin‐induced diabetic rats. Pharmacognosy Research 2013; 5(2): 65-70.
36. Phababpha S, Kukongviriyapan U, Pakdeechote P, Senggunprai L, Kukongviriyapan V, Settasatian C, Tatsanavivat P, Intharaphet P, Senthong V, Komanasin N, Settasatian N, Greenwal SE. Association of arterial stiffness with single nucleotide polymorphism rs1333049 and metabolic risk factors. Cardiovascular Diabetology 2013; 12(93): 1-8.
37. Tusskorn O, Prawan A, Senggunprai L, Kukongviriyapan U, Kukongviriyapan V. Phenethyl isothiocyanate induces apoptosis of cholangiocarcinoma cells through interruption of glutathione and mitochondrial pathway. Naunyn Schmiedebergs Arch Pharmacol. 2013; 386: 1009-1016.
38. Senggunprai L, Kukongviriyapan V, Prawan A, Kukongviriyapan U. Quercetin and EGCG Exhibit Chemopreventive Effects in Cholangiocarcinoma Cells via Suppression of JAK/STAT Signaling Pathway. Phytother Res. 2014; 28: 841-848.
39. Tusskorn O, Senggunprai L, Prawan A, Kukongviriyapan U,Kukongviriyapan V. Phenethyl isothiocyanate induces calcium mobilization and mitochondrial cell death pathway in cholangiocarcinoma KKU-M214 cells. BMC Cancer. 2013; 5; 13:571. doi: 10.1186/1471-2407-13-571.
40. Pakdeechote P, Bunbupha S, Kukongviriyapan U, Prachaney P, Khrisanapant W, Kukongviriyapan V. Asiatic acid alleviates hemodynamic and metabolic alterations via restoring eNOS/iNOS expression, oxidative stress, and inflammation in diet-induced metabolic syndrome rats. Nutrients. 2014 Jan 16; 6(1): 355-70.
41. Kukongviriyapan U, Pannangpetch P, Kukongviriyapan V, Donpunha W, Sompamit K, Surawattanawan P. Curcumin Protects against Cadmium-Induced Vascular Dysfunction, Hypertension and Tissue Cadmium Accumulation in Mice. Nutrients. 2014 Mar 21;6(3):1194-208.
42. Bunbupha S, Pakdeechote P, Kukongviriyapan U, Prachaney P, Kukongviriyapan V. Asiatic Acid Reduces Blood Pressure by Enhancing Nitric Oxide Bioavailability with Modulation of eNOS and $p47_{phox}$ Expression in l-NAME-induced Hypertensive Rats. Phytother Res. 2014 Apr 11. doi: 10.1002/ptr.5156. [Epub ahead of print]
43. Pakdeechote P, Prachaney P, Berkban W, Kukongviriyapan U, Kukongviriyapan V, Khrisanapant W, Phirawatthakul Y. Vascular and antioxidant effects of an aqueous Mentha cordifolia extract in experimental N(G)-nitro-L-arginine methyl ester-induced hypertension. Z Naturforsch C. 2014 Jan-Feb;69(1-2):35-45.
44. Aphinives C, Kukongviriyapan U, Jetsrisuparb J, Kukongviriyapan V, Somparn N.Impaired endothelial function in pediatric hemoglobin E/β-thalassemia patients with iron overload. Southeast Asian Trop Med Public Health 2014: 45 (6): 1454-1463.
45. Boonla O, Kukongviriyapan U, Pakdeechote P, Kukongviriyapan V, Pannangpetch P, Prachaney P, Greenwald SE. Curcumin improves endothelial dysfunction and vascular remodeling in 2K-1C hypertensive rats by raising nitric oxide availability and reducing oxidative stress. Nitric Oxide 2014; 42: 44-53.
46. Sangartit W, Kukongviriyapan U, Donpunha W, Pakdeechote P, Kukongviriyapan V, Surawattanawan P. Tetrahydrocurcumin protects against cadmium-induced hypertension, raised arterial stiffness and vascular remodeling in mice. PLOS ONE 2014; 9(12): e114908.doi:10.1371/journal.pone.

47. Khrisanapant W, Sengmeuang P, Kukongviriyapan U, Pasurivong O, Pakdeechote P. Plasma leptin levels and a restrictive lung in obese Thai children and adolescents. Southeast Asian Trop Med Public Health 2015: 46(1): 116-124.
48. Boonloh K, Kukongviriyapan U, Pannangpetch P, Kongyingyoes B, Senggunprai L, Prawan A, Thawornchinsombut S, Kukongviriyapan V. Rice bran protein hydrolysates prevented interleukin-6- and high glucose-induced insulin resistance in HepG2 cells. Food Funct 2015; 6: 566-573.
49. Berkban T, Boonprom P, Bunbupha S, Welbat JU, Kukongviriyapan U, Kukongviriyapan V, Pakdeechote P, Prachaney P. Ellagic acid prevents L-NAME-induced hypertension via restoration of eNOS and p47phox Expression in Rats. Nutrients 2015; 7(7): 5265-80.
50. Boonla O, Kukongviriyapan U, Pakdeechote P, Kukongviriyapan V, Pannangpetch P, Thawornchinsombut S. Peptides-derived from Thai rice bran improves endothelial function in 2K-1C renovascular hypertensive rats. Nutrients 2015; 7(7): 5783-99.
51. Kukongviriyapan U, Kukongviriyapan V, Pannangpetch P, Donpunha W, Sripui J, Sae-Eaw A, Boonla O. Mamao pomace extract alleviates hypertension and oxidative stress in nitric oxide deficient rats. Nutrients 2015; 7(8): 6179-6194.
52. Bunbupha S, Prachaney P, Kukongviriyapan U, Kukongviriyapan V, Welbat JU, Pakdeechote P. Asiatic acid alleviates cardiovascular remodeling in rats with L-NAME-induced hypertension. Clin Exp Pharmacol Physiol 2015; 42(11): 1189-97.
53. Senaphan K, Kukongviriyapan U, Sangartit W, Pakdeechote P, Pannangpetch P, Prachaney P, Greenwald SE, Kukongviriyapan V. Ferulic Acid Alleviates Changes in a Rat Model of Metabolic Syndrome Induced by High-Carbohydrate, High-Fat Diet. Nutrients 2015; 7(8): 6446-64.
54. Somparn N, Kukongviriyapan V, Kukongviriyapan U, Senggunprai L, Prawan A. Protective effects of tetrahydrocurcumin and curcumin against doxorubicin and cadmium-induced cytotoxicity in Chang liver cells. Trop J Pharm Res 2015; 14 (5): 769-76.
55. Boonloh K, Kukongviriyapan V, Kongyingyoes B, Kukongviriyapan U, Thawornchinsombut S, Pannangpetch P. Rice Bran Protein Hydrolysates Improve Insulin Resistance and Decrease Pro-inflammatory Cytokine Gene Expression in Rats Fed a High Carbohydrate-High Fat Diet. Nutrients 2015; 7: 6313-6329.
56. Somparn N, Kukongviriyapan V, Kukongviriyapan U, Senggunprai L, Prawan A. Tetrahydrocurcumin protection against doxorubicin-induced apoptosis. ScienceAsia 2015; 41(2): 114-118.
57. Semaming Y, Kukongviriyapan U, Kongyingyoes B, Thukhammee W, Pannangpetch P. Protocatechuic Acid Restores Vascular Responses in Rats With Chronic Diabetes Induced by Streptozotocin. Phytother Res. 2016; 30(2): 227-33.
58. Kongpetch S, Puapairoj A, Ong CK, Senggunprai L, Prawan A, Kukongviriyapan U, Chan-On W, Siew EY, Khuntikeo N, Teh BT, Kukongviriyapan V. Haem oxygenase 1 expression is associated with prognosis in cholangiocarcinoma patients and with drug sensitivity in xenografted mice. Cell Prolif 2016; 49(1): 90-101.
59. Maneesai P, Prasarttong P, Bunbupha S, Kukongviriyapan U, Kukongviriyapan V, Tangsucharit P, Prachaney P, Pakdeechote P. Synergistic Antihypertensive Effect of Carthamus tinctorius L. Extract and Captopril in l-NAME-Induced Hypertensive Rats via Restoration of eNOS and AT_1R Expression. Nutrients 2016; 8(3). doi: 10.3390/nu8030122.
60. Samatiwat P, Prawan A, Senggunprai L, Kukongviriyapan U, Kukongviriyapan V. Nrf2 inhibition sensitizes cholangiocarcinoma cells to cytotoxic and antiproliferative activities of chemotherapeutic agents. Tumour Biol 2016; 37:11495-507.
61. Yongsakulchai P, Settasatian C, Settasatian N, Nantarat K, Kukongviriyapan U, Cote ML, Intharapetch P, Senthong V. Association of combined genetic variations in PRARγ, PGC-1α, and LXRα with coronary artery disease and severity in Thai pupolation. Atherosclerosis 2016; 248: 140-148.
62. Maneesai P, Bunbupha S, Kukongviriyapan U, Prachaney P, Tangsucharit P, Kukongviriyapan V, Pakdeechote P. Asiatic acid attenuates renin-angiotensin system activation and improves vascular function in high-carbohydrate, high-fat diet fed rats. BMC Complement Altern Med. 2016 16(1):123. doi: 10.1186/s12906-016-1100-6.
63. Kukongviriyapan U, Apaijit K, Kukongviriyapan V. Oxidative stress and cardiovascular dysfunction associated with cadmium exposure: beneficial effects of curcumin and tetrahydrocurcumin. Tohuko J Exp Med. 2016; 239: 25-38.

64. Senaphan K, Sangartit W, Pakdeechote P, Kukongviriyapan V, Pannangpetch P, Thawornchinsombut S, Greenwald SE, Kukongviriyapan U. Rice bran protein hydrolysates reduce arterial stiffening, vascular remodeling and oxidative stress in rats fed a high-carbohydrate and high-fat diet Eur J Nutr 2016, DOI 10.1007/s00394-016-1311-0.
65. Sangartit W, Pakdeechote P, Kukongviriyapan V, Donpunha W, Shibahara S, Kukongviriyapan U. Tetrahydrocurcumin in combination with deferiprone attenuates hypertension, vascular dysfunction, baroreflex dysfunction, and oxidative stress in iron-overloaded mice. Vasc Pharmacol 2016; 87: 199-208.
66. Boonloh K, Lee ES, Kim HM, Kwon MH, Kim YM, Pannangpetch P, Kongyingyoes B, Kukongviriyapan U, Thawornchinsombut S, Lee EY, Kukongviriyapan V, Chung CH. Rice bran protein hydrolysates attenuate diabetic nephropathy in diabetic animal model. Eur J Nutr 2016, DOI 10.1007/s00394-016-1366-y.
67. Boonprom P, Boonla O, Chayaburakul K, Welbat JU, Pannangpetch P, Kukongviriyapan U, Kukongviriyapan V, Pakdeechote P, Prachaney P. Garcinia mangostana pericarp extract protects against oxidative stress and cardiovascular remodeling via suppression of p47phox and iNOS in nitric oxide deficient rats. Ann Anat 2017; 212: 27-36.
68. Lasom S, Komanasin N, Settasatian N, Settasatian C, Kukongviriyapan U, Intharapetch P, Senthong V. Protective effect of a disintegrin and metalloproteinase with a thrombospondin type 1 motif, member 13 haplotype on coronary artery disease. Blood Coagul Fibrinolysis. 2017; 28: 286-294.
69. Maneesai P, Bunbupha S, Kukongviriyapan U, Senggunprai L, Kukongviriyapan V, Prachaney P, Pakdeechote P. Effect of asiatic acid on the Ang II-AT_1R-NADPH oxidase-NF-κB pathway in renovascular hypertensive rats. Naunyn Schmiedebergs Arch Pharmacol. 2017: 390 (10): 1073-83.
70. Senthong V, Kukongviriyapan U, Settasatian N, Settasatian C, Komanasin N. Low diastolic blood pressure is associated with a high atherosclerotic burden in patients with obstructive coronary artery disease. Cardiol J. 2017 Oct 5. doi: 10.5603/CJ.a2017.0109.
71. Bunbupha S, Wunpathe C, Maneesai P, Berkban T, Kukongviriyapan U, Kukongviriyapan V, Prachaney P, Pakdeechote P. Carthamus tinctorius L. extract improves hemodynamic and vascular alterations in a rat model of renovascular hypertension through Ang II-AT_1R-NADPH oxidase pathway. Ann Anat. 2017 Dec 20;216:82-89. doi: 10.1016/j.aanat.2017.11.005.