

## Curriculum Vitae

Name	Jinda Wangboonskul
Areas of Expertise	1. Quality control of pharmaceutical and herbal products 2. Biomedical analysis
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### Qualifications

Degree	Title	Year	University
PhD	Pharmacokinetic studies on the biguanide antimalarial drugs	1990	Robert Gordon's University, UK
MSc	Phytochemical Study of <i>Clausena harmandiana</i> Root Bark	1984	Chulalongkorn University, Thailand
BSc	Pharmacy	1977	Chulalongkorn University, Thailand

กรุณากรอกตาม Format ข้างล่าง

### Publications

1. Wangboonskul J, Pummangura S, Chaichantipyuth C. Five coumarins and a carbazole alkaloid from the root bark of *Clausena harmandiana*. J Nat Prod 1984; 47: 1058.
2. Taylor BR, Smith J, Wangboonskul J. Simultaneous assay of bronopol, myacide and morphine in morphine hydrochloride mixture. J Pharm Pharmacol 1987; 39(supplement): 123.
3. Taylor RB, Ochekepe NA, Wangboonskul J. Quantitative structure retention relationship studies of some basic antimalarial compounds. J Liquid Chromatogr 1989; 12: 1645-1668.
4. Taylor RB, Behrens R, Moody RR, Wangboonskul J. Assay method for the simultaneous determination of proguanil, chloroquine and their major metabolites in biological fluids. J Chromatogr 1990; 527: 490-497.

5. **Wangboonskul J**, White NJ, Nosen F, Kuile F, Moody RR, Taylor RB. Single dose pharmacokinetics of proguanil and its metabolites in pregnancy. *Eur J Clin Pharmacol* 1993; 44: 247-251.
6. **Wangboonskul J**, Kitiwongsoonthorn V, Sakolchai S, Charupash C, Jarukamjorn K, Chiewchanwatana S, Weerapreeyakul N, Ruengsitagoon W, Tattawasart U. Comparative quality investigation of three locally-manufactured medicines in Thailand. *TJPS* 1996; 20(2): 99-105.
7. **Wangboonskul J**, Chaiyakum A, Tetsiri T. Inactivation of aminoglycosides by penicillines and cephalosporins. *TJPS* 1998; 22: 25-35.
8. **Wangboonskul J**. Simultaneous determination of diltiazem and its monodemethyl metabolite in serum by HPLC. *Mahidol J* 1999; 6(2): 95-99.
9. **Wangboonskul J**, Umprayn K, Sakolchai S, Boonsaner S, Soontornpas C, Tetsiri T. Comparative pharmacokinetics of three marketed diltiazem in healthy volunteers. *Mahidol J* 1999; 6(2): 101-104.
10. Low AS, **Wangboonskul J**. An HPLC assay for the determination of ketoconazole in common pharmaceutical preparations. *Analyst* 1999; 124: 1589-1593.
11. Daodee S, **Wangboonskul J**, Jarukamjorn K. Quantitative and Qualitative Determination of alcohols in stomachica and carminative mixture by gas chromatographic method with mass spectrometry. *KKU Res J* 1999; 4(2): 91-97.
12. Daodee S, **Wangboonskul J**, Yenjai C. Determination of phyllanthusols A and B phyllanthus acidus skeels collected from different parts of Thailand by high performance liquid chromatography with diode array detector. *TJPS* 2001; 25: 59.
13. Taylor RB, Sharkoor O, Behrens RH, Everard M, Low AS, **Wangboonskul J**, Reid RG, Kolawole JA. Pharmacopoeial quality of drugs supplied by Nigerian Pharmacies. *Lancet* 2001; 357: 1933-1936.
14. **Wangboonskul J**, Khaokaw T, Daodee S. Determination of ethanol, methanol and chloroform levels in herbal medicine spirits. *KKU Sci J* 2002; 20: 64-73.
15. Durham DG, Reid RG, **Wangboonskul J**. and Daodee, S. Extraction of Phyllanthusols A and B from *Phyllanthus acidus* and analysis by capillary electrophoresis. *Phytochem Anal* 2002; 13: 358-362.
16. Daodee S, Yenjai C, **Wangboonskul J**, Kittakoop P. Determination of active constituents in dried root of *Phyllanthus acidus* Skeels by gradient liquid chromatography. *KKU Res J* 2003; 8(1): 84-89.

17. Wangboonskul J, Sumanont S, Konsil J, Sirisangtragul W, Sungthong B. Study of pharmacokinetic and bioequivalence of ibuprofen 200 mg in healthy Thai volunteers. GPO J 2004; 31: 17-27.
18. Pummarnin P, Wangboonskul J. Quality and pharmaceutical equivalence of 10 mg propranolol tablet marketed in Khonkaen city. TJPS 2005; 29(suppl): 34.
19. Daodee S, Wangboonskul J, Jarukamjorn K, Sripanidkulchai B. Validation of a high performance liquid chromatography method for the determination of andrographolide in human plasma. IJPS. 2005; 1: 23.
20. Chierakul W, Wangboonskul J, Singtoroj T, Pongtavornpinyo W, Short JM, Maharjan B, Wuthiekanum V, Dance DAB, Teparrukkul, P, Lindegardh N, Peacock SJ, Day NP, Chaowagul W, White NJ. Pharmacokinetic and pharmacodynamic assessment of co-amoxiclav in the treatment of melioidosis. J Antimicrob Chemother 2006; 58: 1215-1220.
21. Daodee S, Wangboonskul J, Jarukamjorn K, Sripanidkulchai B. The consideration of quality control criteria for *Andrographis paniculata* products. KKU Res J 2006; 11(4): 319-327.
22. Daodee S, Wangboonskul J, Promdee T, Telvong W, Kantapanichakan M. Study of the extraction method for chloramphenicol residues in chicken samples by solid phase extraction and solvent extraction. IJPS 2006; 2(2): 76-86.
23. Wangboonskul J, Daodee S, Jarukamjorn K, Sripanidkulchai B. Pharmacokinetic study of *Andrographis paniculata* tablets in healthy Thai volunteers. Thai Pharm Health Sci J 2006; 1: 209-218.
24. Daodee S, Wangboonskul J, Jarukamjorn K, Sripanidkulchai B, Murakami T. Membrane transport of andrographolide in artificial membrane and rat small intestine. PJBS 2007; 10(12): 2078-2085.
25. Reid RG, Durham DG, Boyle SP, Low AS, Wangboonskul J. Differentiation of opium and poppy straw using capillary electrophoresis and pattern recognition techniques. Analytica Chimica Acta 2007; 605: 20-27.
26. Wangboonskul J, Teeratakulpisarn S, Sungthong B. Analytical method development using HPLC for investigation of the quality of the marketed cephalosporins. KKU Res J 2007; 12(4): 481-491.
27. Tessiri T, Wangboonskul J, Ruangviriyachai C, Chanthai S. High-performance liquid chromatography with amperometric detection of medroxyprogesterone acetate in human plasma with

- 2,4-dinitrophenylhydrazine as derivatizing agent and solid phase extraction for sample clean up. *Sci Asia* 2007; 33: 405-410.
28. Chatchawanchonteera A, Wangboonskul J, Trongwanishnam K, Buttasri A, Borisutpeth P, Sriyamat M, Nampakdee N, Laohawat W. Antimicrobial activity of guava Leaf and garlic extracts against *Aeromonas hydrophila* and *Streptococcus* spp. isolated from infected fish. *KKU Vet J* 2008; 18(1): 46-53.
29. Wangboonskul J, Konsil J, Reid RG. A bio-analytical method for the determination of nelfinavir in plasma. *Thai J Pharmacol* 2008; 30(2): 13-25.
30. Hanrinth R, Wangboonskul J, Chaiyakum A, Cheawchanwattana A, Uchaipichat V. Factors Affecting the Blood Concentration of Cyclosporine in Renal Transplant Patients. *J Sci Technol MSU* 2008; 27(4): 332-346.
31. Chatchawanchonteera A, Keeratikulapas P, Mungmai N, Chitsanoor S, Boottasri A, Kaenchumpa P, Wangboonskul J. Antimicrobial activity of *Clausena harmandiana* extract against bacteria isolated from dogs with otitis externa. *KKU Vet J* 2009; 19(1): 48-55.
32. Takthaisong P, Wangboonskul J, Boonyarat C, Prawan A. Study on an anti-nociceptive of the ethanolic extract from the leaves of *Clausena harmandiana* Pierre in Mice. *Thai J Pharmacol* 2009; 31: 75-78.
33. Chatchawanchonteera A, Wangboonskul J, Supakit T, Benjamapariyakul M, Numkang L. Antimicrobial activity of *Clausena harmandiana* leaf extract against pathogenic bacteria isolated from animals. *KKU Vet J* 2011; 21(1): 61-68.
34. Songsiang U, Thongthoom T, Zeekpudsa P, Kukongviriyapan V, Boonyarat C, Wangboonskul J, Yenjai C. Antioxidant activity and cytotoxicity against cholangiocarcinoma of carbazoles and coumarins from *Clausena harmandiana*. *Sci Asia* 2012; 38: 75-81.
35. Wangboonskul J, Prawan A, Takthaisong, P, Sasithornwetchakun W, Boonyarat C, Yenjai C, Mahakunakorn P. Analgesic, anti-inflammatory, antipyretic activities and acute toxicity of the ethanolic extract of *Clausena harmandiana* Pierre in animals. *JAASP* 2012; 1(3): 159-169.
36. Daodee S, Wangboonskul J, Yenjai C, Boonyarat C, Monthakantirat O. Determination of five carbazole alkaloids from the root of *Clausena harmandiana* by High performance liquid chromatography. *IJPS* 2012; 8:94-100.

37. พุทธวิภู ประเสริฐสกุล, รัชยาพร อโนราช, จินดา หวังบุญสกุล การหาปริมาณน้ำตาลและฤทธิ์ต้านอนุมูลอิสระในเครื่องดื่มที่มีจำหน่ายทั่วไป IJPS 2013; 8(1): 11.
38. Chatchawanchontee A, Wangboonskul J, Yenjai C, Thongchua T, Saenubol P, Phonthongchaisawat Y, Sukon P. Comparative antibacterial activity of stem, root bark and leaf extracts of *Clausena harmandiana* against bacteria isolated from canine otitis externa. KKU Vet J 2013; 23(1): 110-118.
39. Wangboonskul J, Khongmaneehithak S. The efficacy of aqueous extract from tea leaf residue to reduce grease on the face and the scalp. IJPS 2013; 9(3): 117-122.
40. Wangboonskul J, Tunsirikongkon A, Sasithornwetchakun W. Simultaneous determination of nine analytes in *Clausena harmandiana* Pierre. by new developed high performance liquid chromatography method and the influence of locations in Thailand on level of nordentatin and dentatin. Pharmacog Mag 2015; 11(41): 1-7.

#### Conference Papers

1. Wangboonskul J. Estimation of the number of unknown compounds contain in the root of *Clausena harmandiana* PIERRE. by HPLC fingerprint. The 75<sup>th</sup> FIP World Congress of Pharmacy and Pharmaceutical Sciences 2015. 29 September – 3 October 2015. Düsseldorf, Germany (poster presentation).
2. Mututanont N, Phunnoi K, Kiatcharoenseree W, Sompol N, Wangboonskul J, Chatchawanchontee A. Comparison of antibacterial activity of *Clausena wallichii* Oliv's and *Clausena lansium* Skeels's extracts against *Staphylococcus aureus* causing mastitis in cattle. The 15<sup>th</sup> Khon Kaen Veterinary Annual international conference 2014 "Sustainable development on ONE health" April 24-25, 2014. Pullman Hotel, Khon Kaen, Thailand (poster presentation).
3. Prawan A, Takthaisong P, Wangboonskul J. Study of antipyretic activities and acute toxicity of the ethanolic extract from the leaves of *Clausena harmandiana* Pierre in animal models. The 3<sup>rd</sup> Congress of The Portuguese Society of Pharmaceutical Sciences and 6<sup>th</sup> Spanish-Portuguese Conference on Controlled Drug Delivery. October 12-15, 2011. Porto, Portugal (poster presentation).
4. Wangboonskul J, Sasithornwetchakun W, Jenjirattithigarn N, Noonna W, Boonsith S. The Study of Pharmaceutical Equivalence and Dissolution Profiles of Marketed  $\beta$  Blockers. The 1<sup>st</sup> Current

Drug Development International Conference. May 6-8, 2010. Phuket, Thailand (poster presentation).

5. Booyarat C, Monthakantirat O, Srisoi S, Thongthoom T, Songsiang U, Pertcharoensuk W, **Wangboonskul J**, Yenjai C. Neuroprotective Effects of Extracted Compounds from *Clausena harmandiana* Linn. Asian Federation for Pharmaceutical Sciences 2009. Centennial Hall Kyushu University School of Medicine, Japan. October 15-18, 2009 (poster presentation).
6. Pertcharoensuk W, Boonyarat C, **Wangboonskul J**. Study on antioxidative activity of extracted compounds from *Clausena harmandiana* Linn. The 5<sup>th</sup> Indochina conference on Pharmaceutical sciences, pharmacy for sustainable development. Siam City Hotel, Bangkok, Thailand. November 21-24, 2007 (poster presentation).
7. Daodee S, **Wangboonskul J**, Sripanidkulchai B. Permeability study of andrographolide through artificial membrane and rat gastrointestinal tract membrane. The 8<sup>th</sup> Symposium on Graduate Research, kku, Khonkaen, Thailand. 20 January 2006. p 167 (poster presentation).
8. Amsri T, Boonyarat C, **Wangboonskul J**. Development of the HPLC fingerprint for identification of cough preparations containing camphorated opium tincture. Proceeding of the 23<sup>rd</sup> Annual Research Conference in Pharmaceutical Sciences and JSPS 1<sup>st</sup> Medicinal Chemistry Seminar of Asia/Africa Science Platform Program. 14-15 December 2006. Bangkok, Thailand (poster presentation).
9. **Wangboonskul J**, Chierakul W, Reid R, White NJ. Online clean up with small volume analysis of clavulanic acid in plasma. PSWC 2004, Kyoto, Japan (poster presentation).
10. **Wangboonskul J**, Yenjai, C, Khounnikhom S. Quantitative of major constituent in *Kaemferia galanga*. 3<sup>rd</sup> Symposium on the family Zingiberaceae, Khon Kaen, Thailand, 7-12 July, 2002. Program and abstracts, p 48 (poster presentation).
11. Yenjai C, Daodee, S, **Wangboonskul J**. Antifungal and antimycobacterial activities of ethyl p-methoxycinnamate from *Kaemferia galanga*. 3<sup>rd</sup> Symposium on the family Zingiberaceae, Khon Kaen, Thailand, 7-12 July, 2002. Program and abstracts, p 47 (poster presentation).
12. Daodee S, **Wangboonskul J**, Kantaphanitchankarn M. Determination of chloramphenicol residues in chicken by solid phase extraction and high performance liquid chromatography. 19<sup>th</sup> Congress of FAPA. Seoul, South Korea, 5-8 October, 2002. FAPA 2002 abstracts, p 19 (poster presentation).

13. **Wangboonskul J**, Sungthong B. Validation of analytical method of some cephalosporins by HPLC. 19<sup>th</sup> Congress of FAPA. Seoul, South Korea, 5-8 October, 2002. FAPA 2002 abstracts, p 20 (poster presentation).
14. **Wangboonskul J**, Sungthong B. Quality surveillance on degrade products of some marketed cephalosporin antibiotics by HPLC. The first graduate research symposium, the pharmaceutical education development consortium. Faculty of Pharmaceutical Sciences, Naresuan University, Phitsanulok, Thailand. 19<sup>th</sup> August 2002. Abstract supplyment, p 22 (poster presentation).
15. Jiw Wong N, Chommak C, Sripanidkulchai B, Yenjai C, **Wangboonskul J**. Development of quantitative determination of esters in *Kaempferia galanga* Linn. by colorimetric method. การประชุมเสนอผลงานวิจัยทางเภสัชศาสตร์ประจำปี 2546 (ครั้งที่ 20) คณะเภสัชศาสตร์ จุฬาลงกรณ์มหาวิทยาลัย, 1 ธันวาคม 2546 (poster presentation)
16. Ochekepe NA, **Wangboonskul J**, Taylor RB. Quantitative structure retention relationship among antimalarial drugs. Presented as a poster at the Scottish Chromatography Group Meeting (1988). Ninewells Hospitals, Dundee (poster presentation).
17. Moody RR, Taylor RB, **Wangboonskul J**, White NJ. A comparison of pharmacokinetic data obtained for proguanil using Thai male and pregnant volunteers. Presented as a poster at The XII<sup>th</sup> International Congress for Tropical Medicine and Malaria (1988). Amsterdam, The Netherlands (poster presentation).

#### Research Grant

Year (B.E.)	Project Title	Status	Granting Agency
2557-2559	Differentiation of some herbals which have homonym by using HPLC fingerprint	Principal investigator	Thammasat University
2554-2555	The Study of Pharmaceutical Equivalence of the Marketed ACE inhibitors	Principal investigator	Khonkaen University
2553-2554	Differentiation of <i>Clausena spp.</i> from chemical constituents by using HPLC fingerprint	Principal investigator	National Research Council of Thailand
2552-2553	Study of biological activities and acute toxicity of the extract and semisynthesis compounds from the roots and the leaves	Principal investigator	Khonkaen University

	of <i>Clausena harmandiana</i> Pierre.		
2552-2553	The Study of Pharmaceutical Equivalence of the Marketed $\beta$ Blockers	Principal investigator	Khonkaen University
2549-2551	Pharmacokinetic and Bio-equivalence Study of Nelfinavir Tablets (250 mg) in Healthy Thai Male Volunteers	Principal investigator	The Government Pharmaceutical Organization
2548-2549	Develop test kit to determine residues of salbutamol in pork and pig's entrails	Principal investigator	Khonkaen University
2545-2546	Pharmacokinetic and Bio-equivalence Study of Ibuprofen Tablets (200 mg) in Healthy Thai Male Volunteers	Principal investigator	The Government Pharmaceutical Organization
2544-2545	Compare Analytical Method by Using HPLC With CE for Investigation the Quality of Marketed Cephalosporins	Principal investigator	Khonkaen University
2542-2543	Determination the alcohol level in medicinal spirits using GC_MS	Principal investigator	Khonkaen University
2541-2542	Inactivation of aminoglycosides by penicillines and cephalosporins	Principal investigator	Khonkaen University
2540-2542	Comparative pharmacokinetics of three marketed diltiazem in healthy volunteers	Principal investigator	Khonkaen University / private company
2537-2539	Comparative quality investigation of three locally-manufactured medicines in Thailand	Principal investigator	Ministry of Public Health

### Awards and Prizes

1. None.