

ส่วน ค : ประวัติคณะผู้วิจัย

1. นางสาว พรอนงค์ อรามวิทย์ (หัวหน้าโครงการ)

Miss Pomanong Aramwit

2. เลขหมายบัตรประจำตัวประชาชน 3 1006 01685 460

3. ตำแหน่งปัจจุบัน รองศาสตราจารย์

4. หน่วยงานและสถานที่อยู่ที่ติดต่อได้สะดวก

ภาควิชาเภสัชกรรม คณะเภสัชศาสตร์ จุฬาลงกรณ์มหาวิทยาลัย

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5. ประวัติการศึกษา

ปริญญาตรี เกษษศาสตร์บัณฑิต คณะเภสัชศาสตร์ จุฬาลงกรณ์มหาวิทยาลัย

(เกียรตินิยม)

Doctor of Pharmacy University of Illinois at Chicago ประเทศสหรัฐอเมริกา

Ph.D. University of Wisconsin-Madison ประเทศสหรัฐอเมริกา

6. สาขาวิชาการที่มีความชำนาญการ

การศึกษาคคุณสมบัติของโปรตีนไหมและซีรัมอัลบูมินเพื่อใช้ในการทางการแพทย์

การบริหารผู้ป่วยโรคไตที่ได้รับการล้างไตด้วยเครื่องฟอกไตและการล้างช่องท้องแบบ

ถาวร

7. ประสบการณ์ที่เกี่ยวข้องกับการบริหารงานวิจัยทั้งภายในและภายนอกประเทศ

หัวหน้าโครงการวิจัย: การพัฒนาครีมโปรตีนไหมเพื่อใช้ในการรักษาแผลสด

งานวิจัยที่ทำเสร็จแล้ว:

P. Aramwit, P. Bunmee and O. Supasyndh. Effect of Rosiglitazone on Insulin Resistance and Body

Composition in Non-diabetic Patients undergoing Continuous Ambulatory Peritoneal Dialysis: A Pilot

Study. Current Therapeutic Research. (Accepted)

P. Aramwit, S. Kanokpanont, P. Punyarit and T. Srichana. Effectiveness and Inflammatory Cytokines

Induced by Sericin Compared to Sericin in Combination with Silver Sulfadiazine Cream on Wound

Healing. Wounds. (Accepted).

- P. Aramwit, S. Kanokpanont, W. De-Eknamkul, K. Kamei and T. Srichana. The Effect of Sericin with Variable Amino Acid Content from Different Silk Strains on the Production of Collagen and Nitric Oxide. *Journal of Biomaterial Sciences: Polymer Edition*. 2009 ; 20(9): 1295-1306.
- P. Aramwit, S. Kanokpanont, W. De-Eknamkul and T. Srichana. Monitoring of Inflammatory Mediators Induced by Silk Sericin. *Journal of Bioscience and Bioengineering*. 2009 May; 107(5): 556-561.
- P. Aramwit, N. Kobpipat, B. Satirapoj, J.D. Kopple, O. Supasynhd. Oxymetholone Ameliorates Insulin Sensitivity in Maintenance Hemodialysis Patients: A Randomized Controlled Trial. *Clinical Nephrology*. 2009 Apr; 71:413-422.
- P. Aramwit, O. Supasynhd and T. Sriboonruang. Pharmacokinetics of Single-Dose Rosiglitazone in Chronic Ambulatory Peritoneal Dialysis Patients. *Journal of Clinical Pharmacy and Therapeutics*. 2008 Nov 11; 33(6): 685-690.
- P. Aramwit, K. Pruksananonda, N. Kasettratrat and K. Jammeechai. Risk Factors of Ovarian Hyperstimulation Syndrome in Thai Patients using Gonadotropins for *in vitro* Fertilization. *American Journal of Health-System Pharmacy*. 2008 Jun 15;65(12):1148-1153.
- P. Aramwit, P. Tongroach and C. Boonthariksiri. Pharmacokinetics of Amikacin in Premature Neonates at Pramongkutklao Hospital. *Chulalongkorn Medical Journal*. 2008 Jan-Feb; 52(1): 25-39.
- P. Aramwit and A. Sangcakul. The Effect of Sericin on Wound Healing in Rats. *Bioscience, Biotechnology, and Biochemistry*. 2007 Oct; 71(10): 2473-2477.
- R. Chuealee, P. Aramwit and T. Srichana. Characteristics of Cholesteryl Cetyl Carbonate Liquid Crystal as Drug Delivery Systems. *IEEE-NEMS*. 2007 Jan; 2: 1098-1103.

P. Aramwit, T. Kerdcharoen and H. Qi. In Vitro Plasma Compatibility Study of a Nanosuspension Formulation, PDA Journal of Pharmaceutical Science and Technology. 2006 Jul-Aug; 60(4): 211-217.

P. Tayanithi and P. Aramwit . Self-Medicated over the Counter Ophthalmic Solutions in Central Bangkok, Journal of the Medical Association of Thailand. 2005 Sep; 88 (Suppl 4): S 330-334

P. Aramwit, X. Liu, X. Cong, L. Lam and Y. Cao, Biospecific Antibodies as Emerging Pharmaceuticals for Tumor Immunotherapy. Drugs of the Future. 2005 Oct; 30(10): 1013-1016.

P. Aramwit and N. Kasettrat, Evaluation of Serum Albumin Utilization in Inpatient at a Private Hospital in Bangkok. Yakugaku Zasshi. 2004 Sep; 124(9): 631-634.

P. Aramwit. Effect of Gamma-Irradiation on In-Vitro Plasma Compatibility of Nanosuspension Formulation, Chulalongkorn Medical Journal. 2004 Mar; 48(3): 145-155.

P. Aramwit and S. Assawawitoontip, Evaluation of Patient Counseling on Blood Pressure Control of Out-Patients with Hypertension at Chulalongkorn Hospital. Journal of the Medical Association of Thailand . 2003 Jun, 86 Suppl 2: S 496-500.

P. Aramwit, BG Yu, A. Lavasanifar, J. Samuel, and GS Kwon. The Effect of Serum Albumin on the Aggregation State and Toxicity of Amphotericin B. Journal of Pharmaceutical Sciences. 2000 Dec; 89(12): 1589-1593.

BG Yu, BC Nichols, P. Aramwit, GS Kwon. The Effect of Pluronics® F127 and F68 on the Aggregation State and Hemolytic Activity of Nystatin. Biomaterials and Drug Delivery Toward New Millennium. 2000: 373-381.

P. Aramwit, BG Yu, GS Kwon. The Effect of Serum Albumin on the Aggregation State and Toxicity of Nystatin. Pharm Sci 1, 1999: 3230.

P. Aramwit, BG Yu, GS Kwon. The Effects of Serum Albumin on the Aggregation State and Toxicity of Amphotericin B. Proceedings of the Controlled Release Society. 1998(25): 669-670.

RG. Fiscella and P. Aramwit. Ganciclovir for Intravitreal Injection. AJHP American Journal of Hospital Pharmacy. 1995 Feb 15; 52 (4): 422.

Patent

Aramwit P, Qi H, Ferro L. "Storage Stable Eplerenone Formulation" 14 April 2005, United States Patent Application Number 0050080046.

งานวิจัยที่กำลังทำ: ไม่มี

Assoc. Prof. Dr. Pornanong Aramwit, Pharm.D, Ph.D.

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EDUCATIONAL BACKGROUND

1995 to 2001 Ph.D. in Pharmaceutical Sciences, University of Wisconsin-Madison, USA.
“The Effect of Serum Albumin and Pluronics on the Aggregation State and
Toxicity of Polyene Macrolides”

1993 to 1995 Doctor of Pharmacy (Pharm.D.), University of Illinois-Chicago, USA.

1986 to 1992 B.S. in Pharmacy, Chulalongkorn University, Bangkok, Thailand (Honors).

RESEARCH AND DEVELOPMENT EXPERIENCE

- The Effects of Sericin Cream on Wound Healing in Rats.
- Ovarian Hyperstimulation Syndrome Related to Gonadotropins Administration for In Vitro Fertilization.
- Effect of Thiazolidinedione on Hyperinsulinemia and Hyperleptinemia in Non Diabetic Continuous Ambulatory Peritoneal Dialysis Patients.
- Oxymetholone and Insulin Sensitivity in Hemodialysis Patients.
- Muscle mRNA Level of Growth Factors over Expression in Hemodialysis Patients after Short Course Oral Anabolic Hormone.
- Effect of Rosiglitazone on Insulin Resistance in Nondiabetic Patients undergoing Continuous Ambulatory Peritoneal Dialysis (CAPD).
- Effect of Oral Oxymetholone on Lean Body Mass and Insulin Resistance in End-Stage Renal Disease Patients undergoing Maintenance Hemodialysis.
- The Use of Silk Protein for Medical Applications and Drug Delivery Systems.
- Biospecific Antibodies as Emerging Pharmaceuticals for Tumor Immunotherapy.
- Reduction in Erythropoietin Dose by Oral Oxymetholone in Continuous Ambulatory Peritoneal Dialysis Patients.

- Effectiveness of Glucosamine Sulfate , Celecoxib and Combination of Glucosamine Sulfate and Celecoxib for Symptomatic Treatment in Patient with Osteoarthritis of the Knee.
- Risk Factors of Ovarian Hyperstimulation Syndrome in Thai Patients using Gonadotropins for in vitro Fertilization.
- Educational Intervention by Pharmacist on Adherence to Antiretroviral Therapy.
- Drug Interactions Monitoring in Epileptic Clinic.
- Pharmacokinetics and Efficacy of Amikacin in Preterm Neonatal.
- Evaluation of Serum Albumin Utilization in In-Patient , Thailand.
- Investigation of Buffer Effect on the Stability of Leridistim under Freezing Condition, Parenteral Development Division, Pfizer, USA.
- Development of a Non-Aqueous, Single-Vial Parenteral Formulation for Multiple Peptides, Parenteral Development Division, Pfizer, USA.
- Development of Parecoxib Suspension Formulation for Injection, Formulation Development Division, Pfizer, USA.
- Eplerenone Solution for Intravenous Injection, Formulation Development Division, Pfizer, USA.
- Plasma Compatibility of SU-5416 NanoCrystal Colloidal Suspension Formulation, Formulation Development Division, Pharmacia-UpJohn Corporation, Kalamazoo, MI, USA.
- Development of SU-5416 Formulation with Human Plasma Albumin, Formulation Development Division, Sugen Inc., San Francisco, CA, USA.
- Visiting graduate student at Department of Pharmacy and Pharmaceutical Sciences, University of Alberta, Edmonton, Alberta, Canada, May 1999-June 2000.
- Internship in the Pharmaceutical Products Division, Abbott Laboratories, North Chicago, IL, USA, 1997.
- Visiting graduate student, Ludwig Institute for Cancer Research, the University College London, School of Medicine, London in April 1997.
- Development of Formulation for Polyene Macrolide Antibiotics (Antifungal agent) (Part of Ph.D. thesis work)
 1. Delivery System Development using Serum Albumin and Synthetic Polymeric Micelles, School of Pharmacy, University of Wisconsin-Madison. USA. Advisor Professor G. S. Kwon.

2. Pharmacokinetic Studies in Rats, Department of Pharmacy and Pharmaceutical Sciences, University of Alberta, Edmonton, Alberta, Canada and Kinetana, Inc., Edmonton, Alberta, Canada. Advisor Professor Y. K. Tam.
- Development of a Sustained-Release Anti-seizure Formulation using Spinning Disk (Spray Congealing) Technology, Pharmaceutical Product Development Division, Abbott Laboratories, North Chicago, IL, USA.
 - Liposomal Formulation of Topotecan (Anticancer drug) Utilizing Transmembrane Ammonium Sulfate Gradients in Liposomes, School of Pharmacy, University of Wisconsin-Madison, Madison, Wisconsin. USA.
 - Extraction and Analysis of Flavonoids from plants and fruits, Department of Medicinal Chemistry and Pharmacognosy, University of Illinois at Chicago, Chicago, IL, USA.
 - Developed a Ganciclovir preparation for Intravitreal injection, University of Illinois-Chicago, Chicago, IL. USA.
 - Preparation of a Monoclonal Antibody for an anticancer vaccine. Developed an injectable Vincristine (anticancer) Delivery System, Department of Research and Development, The Government of Pharmaceutical Organization, Bangkok, Thailand.
 - Senior Research Project “Extraction and Preparation of Henna for cosmetic purposes”, Department of Pharmaceutical Sciences, Chulalongkorn University, Bangkok, Thailand.

SPECIAL TRAINING/POSITION

- Practical Application of USP <797> to Pharmaceutical Compounding and Dispensing Workshop, U.S. Pharmacopeia, USP Headquarters, Rockville, Maryland, USA, May 2008.
- The Comprehensive Industrial Course in the Preparation of Parenteral Products, Department of Pharmaceutical Sciences, University of Tennessee Health Science Center, February-March 2007, Tennessee, USA
- Training: The 2007 Comprehensive Industrial Course in the Preparation of Parenteral Products, 25 February-2 March 2007. Department of Pharmaceutical Sciences, Parenteral Medications Laboratories, The University of Tennessee, Memphis, Tennessee, USA.
- Training: Executive Course for University Administration by The Commission on Higher Education, Thailand, September-October 2005.
- Training: Pharmaceutical Cares in Renal Patients, August 2005, Cedars-Sinai Medical Center, Los Angeles, USA.
- Formulator/Research Investigator. Pfizer Pharmaceutical Worldwide Inc. , USA

RESEARCH EXPERTISE

<i>Clinical Expertise</i>	Nephrology Obstetrics & gynecology
<i>Formulation Development agent).</i>	Develop the injectable formulation for: Eplerenone Solution for Intravenous Injection (Anti-hypertensive agent). Parecoxib Suspension for Sustained-Release Intramuscular Injection (Cox-II Inhibitor). A-2 Peptides Solution for Intravenous Injection (Anticancer Agent). SU-5416 Suspension/Solution for Intramuscular Injection (Anticancer Agent).
<i>Analytical</i>	Evaluating the aggregation state, stability and solubility of Polyene Macrolides, using UV/VIS, fluorescence spectrophotometry, and high performance liquid chromatography (HPLC). Evaluated the dissolution (USP dissolution apparatus) and stability (HPLC) of anti-seizure formulations. Evaluated the chemical stability of liposomal formulations of Topotecan and intravitreal injections of ganciclovir using UV/VIS and HPLC. Have expertise on gel and paper chromatography, gel electrophoresis, ultrafiltration, ultracentrifugation, transmission electron microscopy, circular dichroism, and coulter counter.
<i>Pharmacokinetics</i>	Evaluated the distribution of Polyene Macrolides in blood components, as well as their toxicity, half-life, organ distribution and disposition in rats. Responsible Care and Use of Laboratory Animals course and was certified, University of Wisconsin-Madison.
<i>Intravenous Administration</i>	Plasma compatibility study of SU-5416 (anticancer drug) NanoCrystal Colloidal Suspension. Evaluation of serum albumin utilization in in-patient, Thailand.
<i>Computer</i>	Completed Information Systems course, Chulalongkorn University. Advanced training from Abbott Laboratories, covering a variety of computer programs, word processing, spreadsheet, data analysis, and statistics on a variety of operating systems.
<i>Others</i>	Tablet and capsule manufacturing, dissolution apparatus, familiar with cGMP, sterile techniques and biological techniques including cell culture, and protein purification.

PATENT:

P. Aramwit and H. Qi, Storage Stable Eplerenone Formulation, Pub. App. No. 20040072797, 2005, United States of America.

P. Aramwit, H. Qi, L. Ferro, Storage Stable Eplerenone Formulation, CA 2479383, 2004, Canada.

P. Aramwit. Process for Stable Mulberry Leaf Powder Containing Highest Amount of DNJ, App. No. 0901002180, Application date 15 May 2009. Thailand.

AWARDS AND RECOGNITION:

- Article and Abstract Selection Committee, AAPS Organization for Pharmaceutical Research Journal and Pharm Sci Journal, 2000-2001.
- Research Scholar from Pharmacia-UpJohn Corporation, Kalamazoo, MI, USA, June 2000-September 2001.
- Research Assistantship, Graduated School Department, University of Wisconsin-Madison, Madison, Wisconsin, USA June 1997-October 2000.
- National Institute of Health (NIH) with Professor Glen S. Kwon, University of Wisconsin-Madison, Madison, Wisconsin, USA June 1999-August 2000.
- Vilas Professional Development Fellowship, Graduate Student Council, University of Wisconsin-Madison, Madison, Wisconsin, USA May 1999.
- Scholarship from Kinetana Inc, Edmonton, Alberta, Canada, 1998.
- Travel Grant from Controlled Release Society, Inc. for the 25th International Symposium on Controlled Release of Bioactive Materials, Las Vegas, Nevada, USA June 1998.
- Teaching Assistantship, Graduated School Department, University of Wisconsin-Madison, Madison, Wisconsin, USA September 1995-May 1997.
- Scholarship in Clinical Pharmacy from Thai Government, Bangkok, Thailand, 1993.
- Scholarship in Immunology from the Government Pharmaceutical Organization (GPO), Bangkok Thailand, 1993.
- Academic Honor from Chulalongkorn University, Bangkok, Thailand, 1992.

REVIEWER:

- Reviewer Board: IRPUS project, The Thailand Research Fund (TRF), 2008.
- Reviewer Board: IRPUSCON-01 project, The Thailand Research Fund (TRF), 2008.
- Reviewer: Journal of Biomaterials Sciences, Polymer Edition.

Editors: S.L. Cooper (Columbus, OH, USA), K. Kataoka (Tokyo, Japan) and M. Vert (Montpellier, France), ISSN 0920-5063. Periodicals Service Company, 11 Main Street, Germantown, NY 12526, USA Thomson Scientific's Journal Citations Report for 2006 ranks the *Journal of Biomaterials Science, Polymer Edition* with an Impact Factor of 1.607

- Reviewer: Wound Repair and Regeneration. [The official journal of The Wound Healing Society, The European Tissue Repair Society, The Japanese Society for Wound Healing, and The Australian Wound Management Association](#)

Editors: Patricia A. Hebda, Ph.D. (University of Pittsburgh, School of Medicine, Pittsburgh, PA), ISSN 1067-1927. Impact Factor 2.445 (2007).

- Research and Development Project for Commercial Purposes, The Commission on Higher Education, Ministry of Education, Thailand 2007-2009.
- Editorial Board of “Recent Patents on Biomedical Engineering”, Bentham Science Publishers Ltd.
- Reviewer: Khon Kaen University Research Journal 2009.

Editor-in-chief: P. Chindapasirt

- Determination of lead, copper, zinc and iron in *Centella asiatica* by Atomic Absorption Spectrophotometry
- Silk protein sericin preparation and its characterization.

RESEARCH GRANT RECEIVED (AS PRINCIPAL INVESTIGATOR):

- Research Grant, Faculty of Pharmaceutical Sciences, Chulalongkorn University on Risk Factors of Ovarian Hyperstimulation Syndrome in Thai Patients using Gonadotropins for In Vitro Fertilization. 2004, Total budget 180,000 Baht.
- Research and Development Project for Commercial Purposes, The Commission on Higher Education, Ministry of Education on Development of Sericin Cream for Wound Healing Agent. 2007, Total budget 1,965,000 Baht.
- Sustainable Infrastructure Research and Development Center (SIRDC), Khon Kean University, Thailand on Permeability of Silk Sericin Film. 2007, Total budget 100,000 Baht.

ADVISOR:

Master Level

- Major Chanokporn Boonthariksiri: Pharmacokinetics of Amikacin in Premature Neonates at Pramongkutklao Hospital. Academic year 2002
- Suttinee Tunpongjaroen: Educational Intervention by Pharmacist on Adherence to Antiretroviral Therapy at Vachiraphuket Hospital. Academic year 2003
- Sermkook Jantai: Drug Interaction Monitoring in Epileptic Clinic at Neurological Institute. Academic year 2003
- Jittima Pokaparakorn: Antiretroviral Refilling System by Pharmacist in HIV Infected Patients at Sena Hospital. Academic year 2004
- Siriporn Decha: Effectiveness of Intramuscular Glucosamine Sulfate and Intraarticular Hyaluronic Acid Injection using either Alone or in Combination in the Treatment of Patient with Knee Osteoarthritis at Rajavithi Hospital. Academic Year 2004

- Lt. Jg. Karnphat Jammeechai: Risk Factors of Ovarian Hyperstimulation Syndrome in Thai Patients using Gonadotropins for In Vitro Fertilization. Academic year 2004
- Suttiwan Wiwatniwong: The Efficacy of Oxymetholone in Combination with Recombinant Human Erythropoietin in Continuous Ambulatory Peritoneal Dialysis Patients. Academic year 2004
- Piyarat Thongnok: Efficacy and Safety of Uncoated Sulfasalazine Tablet versus Enteric-coated Sulfasalazine Tablet in Patients with Rheumatoid Arthritis. Academic year 2005
- Panipat Bunmee: Effect of Rosiglitazone on Insulin Resistance in Nondiabetic Patients undergoing Continuous Ambulatory Peritoneal Dialysis (CAPD). Academic year 2006
- Nattida Kobpipat: Effect of Oral Oxymetholone on Lean Body Mass and Insulin Resistance in End-Stage Renal Disease Patients on Maintenance Hemodialysis. Academic year 2007
- Naparat Chalisaraphong: Safety Evaluation of Docetaxel Versus Combination of Doxorubicin Versus Cyclophosphamide as Neoadjuvant Therapy in Patients with Locally Advanced Breast Cancer. Academic year 2008

THESIS COMMITTEE:

- Nanchanit Eianleng : Development of Indomethacin in Synthetic Liquid Crystal for Topical Dosage Form. Faculty of Pharmaceutical Sciences, Prince of Songkla University. Academic year 2008

PUBLICATION:

Book

P. Supaphol, P. Aramwit, P. Sangsanoh, S. Changsarn, S. Chuangchote, M.M. de Villiers, "Conductive Polymers: Materials and Applications," in Novel Polymers and Nanoscience (M. Adeli, Ed.), Transworld Research Network, Kerala, xxx-xxx, 2008.

Melgardt M. de Villiers, Pornanong Aramwit and Glen S. Kwon (editor). Nanotechnology in Drug Delivery (Biotechnology: Pharmaceutical Aspects). July 2008. Springer, USA. ISBN-10: 0387776672, ISBN-13: 978-0387776675.

P. Aramwit. Ambulatory Pharmaceutical Care, 2006, Nannapong Printing, Bangkok, Thailand. ISBN: 974-94824-8-4.

T. Wattanavijitkul, P. Aramwit. Medical Internet Handbook, 2004. Printing Place, Bangkok, Thailand. ISBN: 974-92350-4-5.

A. Hemajudha, P. Aramwit. Vertigo-Dizziness, 2002. Printing Place, Bangkok, Thailand. ISBN: 974-90150-3-7.

Abstracts

N. Chalisaraphong, S. Sathaporn, H. Suwanrusme, P. Aramwit . Safety Evaluation of Docetaxel Versus Combination of Doxorubicin and Cyclophosphamide as Neoadjuvant of Doxorubicin and Cyclophosphamide as Neoadjuvant Therapy in Patients with Locally Advanced Breast Cancer

P. Aramwit, P. Bunmee, O. Supasyndh. Effect of Rosiglitazone on Insulin Resistance and Body Composition in Nondiabetic Patients Undergoing Continuous Ambulatory Peritoneal Dialysis, ASHP 2008 Summer Meeting and Exhibition, 8th-11th June 2008, The American Society of Hospital Pharmacist, Washington State Convention and Trade Center, Seattle, WA, USA.

O. Supasyndh, P. Aramwit, A. Chaiprasert, P. Ruangkanchanasetr, B. Satirapoj, I. Kanhanakul, L. Luesuthiviboon, P. Choovichian. Effect of Thiazolidinedione on Hyperinsulinemia and Hyperleptinemia in Non Diabetic Continuous Ambulatory Peritoneal Dialysis Patients, ASN 40th Annual Renal Week Meeting, 31st October – 5th November 2007, The American Society of Nephrology, San Francisco, California, USA.

B. Satirapoj, O. Supasyndh, N. Kobpipat, A. Chaiprasert, P. Aramwit. Oxymetholone Ameliorate Insulin Sensitivity in Hemodialysis Patients: A Randomized Controlled Trial, ASN 40th Annual Renal Week Meeting, 31st October – 5th November 2007, The American Society of Nephrology, San Francisco, California, USA.

O. Supasyndh, D. Viroonudompol, B. Satirapoj, A. Chaiprasert, V. Tanachatvej, P. Aramwit, J. Kopple. Muscle mRNA Level of Growth Factors over Expression in Hemodialysis Patients after Short Course Oral Anabolic Hormone. ASN 40th Annual Renal Week Meeting, 31st October – 5th November 2007, The American Society of Nephrology, San Francisco, California, USA.

P. Aramwit, P. Bunmee, Effect of Rosiglitazone on Insulin Resistance in Nondiabetic Patients undergoing Continuous Ambulatory Peritoneal Dialysis (CAPD), 2007 Thai-UK Collaborative Research Networks, 2 February 2007, The Twin Towers Hotel, Bangkok, Thailand.

P. Aramwit, H. Qi, The Effect of Gamma-Irradiation on *in-vitro* Plasma Compatibility of Nanosuspension Formulation, Interface of Analytical Sciences: Workshop of US and Thai Analytical Scientists, 4-8 January 2006, Chiang Mai, Thailand.

S. Wiwatniwong , O. Supasyndh , P. Aramwit , P. Ruangkanchanasetr, L. Luesutthiviboon, Oral Androgenic Steroid Therapy for Anemia in Continuous Ambulatory Peritoneal Dialysis Patients, ASN 38th Annual Renal Week Meeting 2005, The American Society of Nephrology, 8-13 November 2005, Pennsylvania Convention Center, Philadelphia, Pennsylvania, USA.

O. Supasyndh, S. Wiwatniwong, P. Aramwit, P. Ruangkanchanasetr, P. Choovichian, Short Course Oral Androgenic Steroid Improved Lean Body Mass in Continuous Ambulatory Peritoneal Dialysis Patients, ASN 38th Annual Renal Week Meeting 2005, The American Society of Nephrology, 8-13 November 2005, Pennsylvania Convention Center, Philadelphia, Pennsylvania, USA.

P. Aramwit, C. Boonthariksiri, Pharmacokinetics of Amikacin in Premature Neonates in Thailand, 39th ASHP Midyear Clinical Meeting, 5-9 December 2004, The American Society of Hospital Pharmacist, Florida, USA.

P. Aramwit, K. Jammeechai, Monitoring the Incidence of Ovarian Hyperstimulation Syndrome in Infertility Treatment Using Follicle Stimulating Hormones at King Chulalongkorn's Memorial Hospital, Thailand, 38th ASHP Midyear Clinical Meeting, 7-11 December 2003, The American Society of Hospital Pharmacist, New Orleans, USA.

P. Aramwit, H. Qi, Plasma Compatibility of Pharmacia Compound NanoCrystal Colloidal Dispersion, 2002 AAPS Annual Meeting and Exposition, 10-14 November 2002, AAPS PharmSci Supplement 2002, Toronto, Canada.

P. Aramwit, N. Kasettrat, Evaluation of Serum Albumin Utilization in In-Patient at Payathai 2 Hospital, Bangkok, Thailand, 37th ASHP Midyear Clinical Meeting, 8-12 December 2002, The American Society of Hospital Pharmacist, Atlanta, Georgia, USA.

H. Patel, S. Ahmed, P. Aramwit, M. S. Wadhwa, Development of a Non-Aqueous, Single-Vial Parenteral Formulation for Multiple Peptides, 2001 AAPS Annual Meeting and Exposition, 21-25 October 2001, AAPS PharmSci Supplement 2001, Denver, Colorado.

L. Brostrom, P. Aramwit, H. Qi, Investigation of Buffer Effect on The Stability of Leridistrim under Freezing Condition, 2001 AAPS Annual Meeting and Exposition, 21-25 October 2001, AAPS PharmSci Supplement 2001, Denver, Colorado.

P. Aramwit, B. Yu, G. S. Kwon, K. Connors, Deaggregation Kinetics of Amphotericin B by Serum Albumin and Sodium Deoxycholate, *Pharm. Res.*, 1 (1998) S-100.

B. Yu, P. Aramwit, G. Kwon, Prediction of hemolytic activity of Polyene Macrolides Antibiotics, *Pharm. Res.*, 1 (1998) S-101.

P. Aramwit, B. Yu, G. Kwon, The Effect of Serum Albumin on the Aggregation State and Toxicity of Amphotericin B, *Proceed. Int'l. Symp. Control. Rel. Bioact. Mater.*, 25 (1998) 669-670.

P. Aramwit, B. Yu, G. S. Kwon, Novel IV Formulation of Nystatin and Human Serum Albumin for the Treatment of Systemic Fungal Diseases, *Ninth Int'l Symp. Rec. Adv. In Drug Del. Sys.*, Feb (1999) 151-152.

Articles

P. Aramwit, P. Bunmee and O. Supasyndh. Effect of Rosiglitazone on Insulin Resistance and Body Composition in Non-diabetic Patients undergoing Continuous Ambulatory Peritoneal Dialysis: A Pilot Study. *Current Therapeutic Research*. (Accepted)

P. Aramwit, S. Kanokpanont, P. Punyarit and T. Srichana. Effectiveness and Inflammatory Cytokines Induced by Sericin Compared to Sericin in Combination with Silver Sulfadiazine Cream on Wound Healing. *Wounds*. (Accepted).

P. Aramwit, S. Kanokpanont, W. De-Eknamkul, K. Kamei and T. Srichana. The Effect of Sericin with Variable Amino Acid Content from Different Silk Strains on the Production of Collagen and Nitric Oxide. *Journal of Biomaterial Sciences: Polymer Edition*. 2009 ; 20(9): 1295-1306.

P. Aramwit, S. Kanokpanont, W. De-Eknamkul and T. Srichana. Monitoring of Inflammatory Mediators Induced by Silk Sericin. *Journal of Bioscience and Bioengineering*. 2009 May; 107(5): 556-561.

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P. Aramwit, O. Supasynhd and T. Sriboonruang. Pharmacokinetics of Single-Dose Rosiglitazone in Chronic Ambulatory Peritoneal Dialysis Patients. *Journal of Clinical Pharmacy and Therapeutics*. 2008 Nov 11; 33(6): 685-690.

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 - The study of *in vitro-in vivo* correlation, pharmacokinetics and pharmacodynamics of salbutamol inhalation delivery (หัวหน้าโครงการวิจัย)
 - การใช้ไซโคลเด็คตรินและอนุพันธ์เป็นสารนำส่งยาที่สามารถเลือกเฉพาะทาง สเตอริโอเคมีของ salbutamol inhaler (หัวหน้าโครงการวิจัย)
 - A development of impedometric sensor based on molecularly imprinted polymer thin-film for haloacetic acid detection in drinking water (ผู้ร่วมวิจัย)
 - การนำเซลล์โลสเมมเบรนซึ่งผลิตโดยเชื้อแบคทีเรียมากราฟต์กับพอลิเมอร์ที่มีรอยพิมพ์ประทับระดับโมเลกุลเพื่อใช้ในการควบคุมการปลดปล่อยที่เลือกเฉพาะอิแนนทิโอเมอร์ของยาต้านการอักเสบที่ไม่ใช่สเตียรอยด์ (ผู้ร่วมวิจัย)
 - a. งานวิจัยที่ทำเสร็จแล้ว:
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การประยุกต์ใช้ Triblock-copolymers เพื่อเพิ่มการละลายของยาที่ละลายน้ำน้อย (The application of triblock-copolymers for improving the dissolution of hydrophobic drugs) ทุนอุดหนุนการวิจัย จากเงินรายได้ของมหาวิทยาลัยสงขลานครินทร์ประเภททั่วไป ประจำปี 2547

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