



## Curriculum Vitae

**Name:** Professor Dr. Narong Sarisuta

**Affiliation:** Division of Pharmaceutical Sciences, Faculty of Pharmacy, Thammasat University,  
Rangsit Center, Pathumthani 12120, THAILAND

**E-mail:** [narong.sar@mahidol.ac.th](mailto:narong.sar@mahidol.ac.th)

**Position:** Professor of Pharmaceutics, Faculty of Pharmacy, Thammasat University

### **Educational Background:**

B.Sc. in Pharm. (Hon.)	Chulalongkorn University, Bangkok, Thailand	1976
M.S. (Pharmaceutics)	University of Iowa, Iowa City, USA	1979
Ph.D. (Pharmaceutics)	University of Iowa, Iowa City, USA	1981

### **Work Experiences:**

Department of Manufacturing Pharmacy, Faculty of Pharmacy, Mahidol University

Lecturer	1982 – 1983
Assistant Professor	1983 – 1991
Assistant Dean	1983 – 1987
Associate Professor	1991 – 2001
Associate Dean	1993 – 1997
Professor	2001 – 2013

Division of Pharmaceutical Sciences, Faculty of Pharmacy, Thammasat University

Professor	2013 – present
Dean	2013 – 2019

### **Field of Interest:**

1. Research and development of targeted drug delivery systems – nanocarriers with targeters
2. Development and manufacture of modified-release drug delivery systems.
3. Dissolution and film coating technology

### **Awards Received**

1. Thesis Supervisor, Ph.D. Thesis Admiration Award. Doctor of Philosophy Program in Pharmaceutics, Faculty of Graduate Studies, Mahidol University, Thailand, Academic Year 2006, Mr. Assadang Polnok, “Evaluation of intestinal absorption of desmopressin using drug delivery system based on superporous hydrogel”.
2. Ishidate FAPA Award 2008 from Federation of Asian Pharmaceutical Associations in Industrial Pharmacy, 22<sup>nd</sup> Federation of Asian Pharmaceutical Associations Congress (FAPA 2008). Singapore: November 7-10, 2008.
3. Outstanding Alumni Award, Faculty of Pharmaceutical Sciences, Chulalongkorn University, 2014.

### **International Activities**

1. Invited Visiting Professor at Universiti Kebangsaan Malaysia, Kuala Lumpur, Malaysia, giving lectures and supervising international graduate students in the Department of Pharmaceutics. August 2-8, 2009.
2. Reviewer of 17 international renowned journals with impact factor of 1.5 – 4.0

### **Research grants**

1. Research project “Innovation in Drug Discovery and Novel Drug Delivery” 27,210,000 ฿ by Office of the Higher Education Commission under the National Research Universities Initiative 2011-2013.
2. Research project “Thai Herbal Nano-Cosmeceuticals Coordinated Research Program – Mahidol University: Development of Nano-cosmeceutical Products Containing *Asparagus racemosus* and Marigold Extracts” 6,800,000 ฿ by National Nanotechnology Center, National Science and Technology Development Agency, Thailand 2008-2011.
3. Research project “Development of Analgesic and Antiinflammatory Tablets of *Mallotus*

*repandus* Extracts” 871,000 ฿ by National Research Council of Thailand 2003-2004.

4. Research project “Research and Development on Manufacture of Acyclovir Transdermal Drug Delivery System” 491,650 ฿ by National Center for Genetic Engineering and Biotechnology, National Science and Technology Development Agency, Thailand 2002-2003.
5. Research project “Development and Manufacture of Pharmaceuticals and Medicinal Products” 271,600 ฿ by Government Research Block Grant, Faculty of Pharmacy, Mahidol University 1999-2000.
6. Research project “Development and Manufacture of Pharmaceuticals and Medicinal Products” 271,600 ฿ by Government Research Block Grant, Faculty of Pharmacy, Mahidol University 1998-1999.
7. Research project “Development and Manufacture of Pharmaceuticals and Medicinal Products” 271,600 ฿ by Government Research Block Grant, Faculty of Pharmacy, Mahidol University 1997-1998.
8. Research project “Development and Manufacture of Pharmaceuticals and Medicinal Products” 271,600 ฿ by Government Research Block Grant, Faculty of Pharmacy, Mahidol University 1996-1997.
9. Research project “Research and Development on Manufacture of Amphotericin B Liposomes” 303,280 ฿ by Institute of Research and Development, Government Pharmaceutical Organization, Ministry of Public Health, Thailand 1993-1994.
10. Research project “Pilot Production of Mosquito larvicidal Bacteria *Bacillus sphaericus*” 153,180 ฿ by National Center for Genetic Engineering and Biotechnology, National Science and Technology Development Agency, Thailand 1989-1990.
11. Research project “Effect of Temperature and Humidity on Disintegration and Dissolution Rate of Paracetamol tablets” 10,000 ฿ by National Research Council of Thailand 1983-1984.

### **Major advisor of graduate students in the past**

M.S. : 20 students

Ph.D. : 8 students

**Books and Book Chapters:** One textbook “Manufacture of sustained release and drug delivery systems” (293 pages) and 22 book chapters

**Publications:**

1. **Sarisuta N**, Parrott EL. Comparison of several diffusion equations in the calculation of viscosity and its relation to dissolution rate. *Drug Dev Ind Pharm* 1982; 8(5): 606-616.
2. **Sarisuta N**, Parrott EL. Relationship of dissolution rate to viscosity of polymeric solutions. *J Pharm Sci* 1982; 71(12): 1375-1380.
3. **Sarisuta N**, Parrott EL. Diffusivity and dissolution rate in polymeric solutions. *Drug Dev Ind Pharm* 1983; 9(5): 861-875.
4. **Sarisuta N**, Parrott EL. Theoretical relationship between the dissolution rate and the bulk viscosity in polymeric solutions. *Mahidol Univ J Pharm Sci* 1983; 10(2): 49-53.
5. **Sarisuta N**, Siripraiwan S, Chutnarongchai C, Pornthanachai, Watcharadilokkul T. Drug release from ethylcellulose-glyceryl monostearate coated granules. *Thai J Pharm Sci* 1983; 8(4): 275-284.
6. **Sarisuta N**, Sirithunyalug J. Manufacture and release characteristics of indomethacin sustained release capsules. *Mahidol Univ J Pharm Sci* 1988; 15(3): 58-62.
7. **Sarisuta N**, Sirithunyalug J. Release rate of indomethacin from coated granules. *Drug Dev Ind Pharm* 1988; 14(5): 683-687.
8. **Sarisuta N**, Parrott EL. Effect of temperature, humidity, and aging on the disintegration and dissolution of acetaminophen tablets. *Drug Dev Ind Pharm* 1988; 14(13): 1877-1881.
9. Saowakonth R, Rungvejhavuttivittaya Y, **Sarisuta N**, Siripraiwan S, Suyanandana P. Formulation of sustained release mosquito larvicidal preparation from *Bacillus sphaericus*. *Th J Pharm Sci* 1993; 17(2): 73-77.
10. **Sarisuta N**, Mahahpant P. Effects of compression force and type of fillers on release of diclofenac sodium from matrix tablets. *Drug Dev Ind Pharm* 1994; 20(6): 1049-1061.
11. **Sarisuta N**, Punpreuk K. In vitro properties of film-coated diltiazem hydrochloride pellets compressed into tablets. *J Cont Release* 1994; 31: 215-222.
12. **Sarisuta N**, Tourtip T, Chuarchoern S. Chemical stability and mechanism of degradation of omeprazole in solution. *Thai J Pharm Sci* 1998; 22(2): 81-88.

13. Tourtip T, Wangwattana B, Srikul P, **Sarisuta N**. Instrumentation of adhesive strength measurement and effects of formulation factors on adhesive strength of film-coated tablets. *Thai J Pharm Sci* 1999; 23(2): 103-110.
14. **Sarisuta N**, Saowakontha R, Ruangsuksriwong C. Effects of surfactant on release characteristics of clonidine hydrochloride from ethylcellulose film. *Drug Dev Ind Pharm* 1999; 25(3): 373-377.
15. **Sarisuta N**, Thamsakdakorn T, Jateleela S. Effects of temperature and humidity on the physical properties of piroxicam tablets. *Pharm Tech* 1999; 23(4) April: 66-80.
16. **Sarisuta N**, Thamsakdakorn T, Jateleela S. Effects of temperature and humidity on the physical properties of piroxicam tablets. *Pharm Tech Asia* 1999; November: 6-13.
17. **Sarisuta N**, Kumpugdee M, Muller BW, Puttipipatkachorn S. Physico-chemical characterization of interactions between erythromycin and various film polymers. *Int J Pharm* 1999; 186: 109-118.
18. **Sarisuta N**, Tungjairukkandee S, Kraisintu, K. Physicochemical properties and stability of amphotericin B liposomes prepared by chloroform film method. *Thai J Biotech* 2000; 2(1): 39-48.
19. **Sarisuta N**, Kumpugdee M, Lawanprasert P. Physical structure characterization of theophylline in some acidic film-forming polymer. *Drug Dev Ind Pharm* 2000; 26(6): 687-691.
20. **Sarisuta N**, Kumpugdee M. Crystallinity of omeprazole in various film polymers. *Pharm Pharmacol Commun* 2000; 6: 7-11.
21. **Sarisuta N**, Jateleela S, Tourtip T. Dissolution kinetics of three-component compressed solid mixtures with largely different solubilities: Flaking spheres. *J Pharm Sci* 2000; 89(9): 1196-1211.
22. Lawanprasert P, Pothikit S, **Sarisuta N**. Interaction of amphotericin B with plastic intravenous administration set. *Mahidol Univ J Pharm Sci* 2001; 28(1-4): 35-44.
23. Lawanprasert P, Lukkanatinaporn P, **Sarisuta N**. Permeability of silicone membrane to model solutes. *Mahidol Univ J Pharm Sci* 2002; 29(1-2): 45-48.
24. Rojanapanthu P, **Sarisuta N**, Chaturon K, Kraisintu K. Physicochemical properties of amphotericin B liposomes prepared by reverse-phase evaporation method. *Drug Dev Ind Pharm* 2003; 29(1): 31-37.

25. Lawanprasert P, Auychaipornlert S, Thisuphakorn P, **Sarisuta N**, Chindavijak B. Percutaneous absorption enhancement of acyclovir. *Mahidol Univ J Pharm Sci* 2003; 30(3): 17-24.
26. Polnok A, Borchard G, Verhoef JC, **Sarisuta N**, Junginger HE. Influence of methylation process on the degree of quaternization of N-trimethyl chitosan chloride. *Eur. J. Pharm. Biopharm.* 2004; 57: 77-83.
27. Polnok A, Verhoef JC, Borchard G, **Sarisuta N**, Junginger HE. In vitro evaluation of intestinal absorption of desmopressin using drug-delivery systems based on superporous hydrogels. *Int. J. Pharm.* 2004; 269: 303-310.
28. **Sarisuta N**, Srikummoon K, Lawanprasert P, Puttipipatkachorn S. The influence of drug-excipient and drug-polymer interactions on butt adhesive strength of ranitidine hydrochloride film-coated tablets. *Drug Dev Ind Pharm* 2006; 32: 463-471.
29. Kunastitchai S, Pichert L, **Sarisuta N**, Mueller BW. Application of aerosol solvent extraction system (ASES) process for preparation of liposomes in a dry and reconstitutable form. *Int J Pharm* 2006; 316: 93-101.
30. Kunastitchai S, Pichert L, **Sarisuta N**, Mueller BW. Drug solubility in phospholipid carrier as a predictive parameter for drug recovery in microparticles produced by the aerosol extraction system (ASES) process. *Drug Dev Ind Pharm* 2007; 33: 932-944.
31. Kunastitchai S, Panyarachun B, Mueller BW, **Sarisuta N**. Physical and chemical stability of miconazole liposomes prepared by supercritical aerosol solvent extraction system (ASES) process. *Pharm Dev Technol* 2007; 12: 361-370.
32. Kongkaneramt L, **Sarisuta N**, Azad N, Lu Y, Iyer AKV, Wang L, Rojanasakul Y. Dependence of reactive oxygen species and FLICE inhibitory protein on lipofectamine-induced apoptosis in human lung epithelial cells. *J Pharmacol Exp Ther* 2008; 325(3): 969-977.
33. Saraya S, Kanta, J, **Sarisuta N**, Temsiririrkkul R, Suvathi Y, Samranri K, Chumnumwat S. Development of Guava extract chewable tablets for anticariogenic activity against *Streptococcus mutans*. *Mahidol Univ J Pharm Sci* 2008; 35(1-4): 18-23.
34. Pukanud P, Peungvicha P, **Sarisuta N**. Development of mannosylated liposomes for bioadhesive oral drug delivery via M cells of Peyer's patches. *Drug Delivery* 2009; 16(5): 289-294.

35. Witoonsaridsilp W, Panyarachun B, **Sarisuta N**, Mueller-Goymann CC. Influence of microenvironment and liposomal formulation on secondary structure and bilayer interaction of lysozyme. *Colloid Surf. B* 2010; 75(2): 501-509.
36. Kongkaneramt L, Witoonsaridsilp W, Peungvicha P, Ingkaninan K, Waranuch N, **Sarisuta N**. Antioxidant activity and antiapoptotic effect of *Asparagus racemosus* root extracts in human lung epithelial H460 cells. *Exp Ther Med* 2011; 2: 143-148.
37. Benjakul R, Panyarachun B, **Sarisuta N**. Preparation of dry reconstitute liposomal powder by freeze-drying at room temperature. *J Liposome Res* 2011; 21(1): 28-37.
38. Boonyapiwat B, **Sarisuta N**, Kunastitchai S. Characterization and in vitro evaluation of intestinal absorption of liposomes encapsulating zanamivir. *Current Drug Delivery* 2011; 8(4): 392-397.
39. Boonyapiwat B, **Sarisuta N**, Ma Y, Steventon GB. A validated HPLC method for zanamivir and its application to in vitro permeability study in Caco-2 culture model. *Indian J Pharm Sci* 2011; 73(5): 483-596.
40. Noomwong P, Ratanasak W, Polnok A, **Sarisuta N**. Development of acyclovir-loaded bovine serum albumin nanoparticles for ocular drug delivery. *Int J Drug Delivery* 2011; 3: 669-675.
41. Benjakul R, Moongkarndi P, Panyarachun B, **Sarisuta N**. Novel freeze-drying method for preparation of alpha-mangostin dry reconstitute liposomal powder. *Adv Sci Lett* 2012; 11(1): 120-125.
42. Witoonsaridsilp W, Paeratakul O, Panyarachun B, **Sarisuta N**. Development of mannosylated liposomes using synthesized N-octadecyl-D-mannopyranosylamine to enhance gastrointestinal permeability for protein delivery. *AAPS PharmSciTech* 2012; 13(2): 699-706.
43. Tantisripreecha C, Jaturanpinyo M, Panyarachun B, **Sarisuta N**. Development of delayed-release proliposomes tablets for oral protein drug delivery. *Drug Dev Ind Pharm* 2012; 38(6): 718-727.
44. Butt AM, Amin MCIM, Katas H, Sarisuta N, Witoonsaridsilp W, and Benjakul R. In vitro characterization of Pluronic F127 and D- $\alpha$ -tocopheryl polyethylene glycol 1000 succinate mixed micelles as nanocarriers for targeted anticancer-drug delivery. *J Nanomaterials* 2012; Early Online: 1-11.

45. Witoonsaridsilp W, Panyarachun B, Jaturanpinyo M, **Sarisuta N**. Phospholipid vesicle-bound lysozyme to enhance permeability in human intestinal cells. *Pharm Dev Tech* 2013; 18(4):821-827.
46. Therdphapiyanak N, Jaturanpinyo M, Waranuch N, Kongkaneramt L, **Sarisuta N**. Development and assessment of tyrosinase inhibitory activity of liposomes of asparagus racemosus extracts. *Asian J Pharm Sci* 2013; 8(2): 149-160.
47. Vallisuta O, Nukoolkarn V, Mitrevej A, **Sarisuta N**, Leelapornpisid P, Phrutivorapongkul A, Sinchaipanid N. In vitro studies on the cytotoxicity, and elastase and tyrosinase inhibitory activities of marigold (*Tagetes erecta* L.) flower extracts. *Experimental and Therapeutic Medicine* 2013; 7(1): 246-250.
48. Tunsirikongkon A, Kraisit P, Seubsasana S, Itharat A, **Sarisuta N**. Formulation development of herbal capsule containing oleoresin of *Zingiber officinale* extract. *Int J Pharm Pharm Sci* 2013; 5(4): 439-445.
49. Tunsirikongkon A, Charernruttanakul A, **Sarisuta N**. Physical properties of proliposome for industrial quality control and reconstitution of proliposome in porcine intestinal mucosa. *Int J Pharm Pharm Sci* 2014; 6(9): 546-551.
50. Chittasupho C, Lirdprapamongkol K, Kewsuwan P, **Sarisuta N**. Targeted delivery of doxorubicin to A549 lung cancer cells by CXCR4 antagonist conjugated PLGA nanoparticles. *Eur J Pharm and Biopharm* 2014; 88(2): 529-538.
51. Pooonpun S, Polnok A, Paeratakul O, Kraisit P, **Sarisuta N**. Mechanical and adhesive properties of cellulosic film coats containing polymeric additives. *Pharmazie* 2015; 70(5): 300-305.
52. Yingsukwattana K, Puttipipatkachorn S, Ruktanonchai U, **Sarisuta N**. Enhanced permeability across Caco-2 cell monolayers by specific mannosylating ligand of buserelin acetate proliposomes. *J Liposome Res* 2015; Early Online: 1-11. DOI: 10.3109/08982104.2015.1039030
53. Benjakul R, Kongkaneramt L, **Sarisuta N**, Moongkarndi P, Müller-Goymanne CC. Cytotoxic effect and mechanism inducing cell death of  $\alpha$ -mangostin liposomes in various human carcinoma and normal cells. *Anti-Cancer Drugs* 2015; 26(8): 824-834.



54. Plangsombat N, Rungsardthong K, Kongkaneramt L, Waranuch N, **Sarisuta N**. Anti-inflammatory activity of liposomes of *Asparagus racemosus* root extracts prepared by various methods. *Exp Ther Med* 2016; 12: 2790-2796.
55. Suwannoi P, Chomnawang M, **Sarisuta N**, Reichl S, Mueller-Goymann CC. Development of acyclovir-loaded albumin nanoparticles and improvement of acyclovir permeation across human corneal epithelial T cells. *J. Ocul Pharmacol Ther* 2017; 33(10): 743-752.
56. Kraisit P, **Sarisuta N**. Development of triamcinolone acetonide-loaded nanostructured lipid carriers (NLCs) for buccal drug delivery using the Box-Behnken Design. *Molecules* 2018; 23: 982. doi:10.3390/molecules23040982
57. Suwannoi P, Chomnawang M, Tunsirikongkon A, Phongphisutthinan A, Muller-Goymann CC, **Sarisuta N**. TAT-surface modified acyclovir-loaded albumin nanoparticles as a novel ocular drug delivery system. *J Drug Del Sci Tech* 2019; 52: 624-631.
58. Chittasupho C, Kengtrong K, Chalermnithiwong S, **Sarisuta N**. Anti-angiogenesis by dual action of R5K peptide conjugated itraconazole nanoparticles. *AAPS PharmSciTech* 2020; 21(3): 74. doi: 10.1208/s12249-019-1568-8.

#### **Papers Presented at the International Conferences:**

1. **Sarisuta N**, Jateleela S, Ruangsuksriwong C. Influence of surfactant on release of clonidine from ethylcellulose film. *Asian J Pharm* 1994; Congress Issue, 15<sup>th</sup> Asian Congress of Pharmaceutical Sciences, November: 183.
2. **Sarisuta N**, Thamsakdakorn T, Saowakonh R. Effect of temperature and humidity on physical properties of piroxicam tablets. In: Proceedings of the Second JSPS-NRCT Joint Seminar on "Recent Advances on Pharmaceutics and Pharmaceutical Technology". Bangkok, Thailand: December 1994: OP33 (8 pages) (oral presentation).
3. **Sarisuta N**, Tungjairukkandee S, Kraisintu, K. Physicochemical properties and stability of amphotericin B liposomes prepared by chloroform film method. In: Puttipipatkachorn S, Sripha K, eds. Proceedings of the First Indochina Conference on Pharmaceutical Sciences (Pharma Indochina 1997) - Pharmacy in Harmony. Bangkok, Thailand: Faculty of Pharmacy, Mahidol University, May 1997: 93-97 (oral presentation).
4. **Sarisuta N**, Nooprasit I, Puttipipatkachorn S. Active entrapment of amphotericin B liposomes utilizing lipid composition, surface charge of bilayers, and pH of hydration

- medium. Proceedings of the 18<sup>th</sup> Asian Congress of Pharmaceutical Sciences and 6<sup>th</sup> Pharmacy Australia Congress (FAPA-PAC Conference). Sydney, Australia: October 2000: IP-6 (oral presentation).
5. Pongjanyakul T, Prakongpan S, Priprem A, **Sarisuta N**. Lot-to-lot uniformity of acrylic-matrix-type nicotine transdermal patches. Proceedings of the Second Indochina conference on pharmaceutical sciences (Pharma Indochina II) – Indochina Pharmacy's Advancement into the New Century. Hanoi, Vietnam: Hanoi College of Pharmacy, October 2001: 441-446.
  6. **Sarisuta N**, Srikummoon K, Puttipipatkachorn S. The influence of drug-polymer interactions on butt adhesive strength of film-coated tablets. Proceedings of the 4<sup>th</sup> World Meeting on Pharmaceutics, Biopharmaceutics and Pharmaceutical Technology, 8-11 April 2002, Florence, Italy (poster presentation).
  7. **Sarisuta N**, Puangket S, Puttipipatkachorn S. Effect of surfactants on release kinetics and mechanism of release of acyclovir from ethylcellulose film. Proceedings of the 19<sup>th</sup> Asian Congress of Pharmaceutical Sciences (FAPA Congress). Seoul, Korea: October 2002: 222 (oral presentation).
  8. Puttipipatkachorn S, Ratananontachai S, **Sarisuta N**. Physical and drug permeability characteristics of chitosan-anionic polymer complex films. Proceedings of the 19<sup>th</sup> Asian Congress of Pharmaceutical Sciences (FAPA Congress). Seoul, Korea: October 2002: 218.
  9. Rojanapanthu P, **Sarisuta N**, Srigrisanapol A. Physicochemical properties of tetracaine liposomes prepared by chloroform film method. Proceedings of the 19<sup>th</sup> Asian Congress of Pharmaceutical Sciences (FAPA Congress). Seoul, Korea: October 2002: 224.
  10. Polnok A, Leelamanit W, **Sarisuta N**. N-trimethyl chitosan chloride nanoparticles as a carrier system for mucosal protein delivery. Proceedings of the 14<sup>th</sup> International Symposium on Microencapsulation. Singapore: September 2003: 38.
  11. Puttipipatkachorn S, Tunsutthipanon P, Phaechamud T, **Sarisuta N**. Controlled drug release by compressed barrier coating with chitosan. Proceedings of the 2<sup>nd</sup> Asian Particle Technology Symposium (APT 2003). Penang, Malaysia: December 2003: 407-413.
  12. **Sarisuta N**, Suriyaphan A, Puttipipatkachorn S, Paeratakul O. Physicochemical properties and stability of amphotericin B liposomes prepared by reverse-phase evaporation method. Proceedings of the International Meeting on Pharmaceutics, Biopharmaceutics and Pharmaceutical Technology 2004. Nuremberg, Germany: March 2004: (oral presentation)

13. Kunastitchai S, Mueller BW, **Sarisuta N**. Preparation of miconazole liposomes using aerosol solvent extraction system (ASES) process. Proceedings of the 20<sup>th</sup> Asian Congress of Pharmaceutical Sciences (FAPA Congress). Bangkok, Thailand: November-December 2004 (poster presentation).
14. **Sarisuta N**, Pattanasriroj P, Lawanprasert P, Junyaprasert VB. Influence of drug-polymer interaction on release characteristics of diltiazem HCl matrix tablets. Proceedings of the 5<sup>th</sup> World Meeting on Pharmaceutics, Biopharmaceutics and Pharmaceutical Technology 2006. Geneva, Switzerland: March 2006: (oral presentation).
15. Kunastitchai S, Pichert L, **Sarisuta N**, Mueller BW. Physicochemical properties and stability of miconazole liposomes prepared via aerosol solvent extraction system (ASES) process. Proceedings of the 5<sup>th</sup> World Meeting on Pharmaceutics, Biopharmaceutics and Pharmaceutical Technology 2006. Geneva, Switzerland: March 2006: Poster # 64.
16. **Sarisuta N**, Koksri S, Chantasart D, Wittaya-areekul S. Physicochemical properties and stability of freeze-dried amphotericin B liposomes prepared by reverse-phase evaporation method. Proceedings of the 21<sup>st</sup> Asian Congress of Pharmaceutical Sciences (FAPA Congress). Yokohama, Japan: November 2006: IP-O-03, 194 (oral presentation).
17. **Sarisuta N**. Drug-polymer interactions: profound factors affecting end-use properties of drug delivery systems. Proceedings of the 2007 US-Thai Consortium Conference and Meeting. Bangkok, Thailand: January 2007: (Plenary lecture).
18. **Sarisuta N**. Liposomes of antimicrobial agents: from classical to novel techniques, physicochemical properties and stability. Proceedings of the Collaborative Research Network Conference on Nanomedicines. Faculty of Pharmaceutical Sciences, Chulalongkorn University, Bangkok, Thailand: February 2007: 1-7 (Special lecture).
19. Witoonsaridsilp W, Punyarachun B, **Sarisuta S**, Mueller-Goymann CC. Effect of pH, electrolyte, and surface charge on secondary structure and protein-lipid binding interaction of lysozyme in liposomes. Proceedings of the 5<sup>th</sup> Indochina Conference on Pharmaceutical Sciences (Pharma Indochina 2007). Bangkok, Thailand: November 2007: PH-O-6 (6 pages) (oral presentation).
20. Noomwong P, Ratanasak W, **Sarisuta N**. Enhancement of *in vivo* transcorneal permeability of acyclovir-loaded poly-lactic acid and bovine serum albumin nanoparticles. Proceedings of the 5<sup>th</sup> Indochina Conference on Pharmaceutical Sciences (Pharma Indochina 2007). Bangkok,

Thailand: November 2007: PH-P-38 (6 pages) (poster presentation).

21. **Sarisuta N**, Pukanud P, Peungvicha P. Development of mannosylated acyclovir liposomes for *in vitro* absorption enhancement of oral drug delivery. Proceedings of the 6<sup>th</sup> World Meeting on Pharmaceutics, Biopharmaceutics and Pharmaceutical Technology 2008. Barcelona, Spain: April 2008: Poster # 130.
22. Witoonsaridsilp W, **Sarisuta N**, Mueller-Goymann CC. Nuclear magnetic resonance studies on the interaction between lysozyme and phospholipid vesicles. Proceedings of the 6<sup>th</sup> World Meeting on Pharmaceutics, Biopharmaceutics and Pharmaceutical Technology 2008. Barcelona, Spain: April 2008: Poster # 131.
23. **Sarisuta N**. Development and manufacture of liposomes of antifungal drugs: from classical to novel techniques. Proceedings of the 22<sup>nd</sup> Federation of Asian Pharmaceutical Associations Congress (FAPA 2008). Singapore: November 7-10, 2008: IP001, 81 (Ishidate Awardee Presentation).
24. Poonpun S, **Sarisuta N**, Lawanprasert P. The mechanical and adhesion properties of film coats of cellulose derivatives containing some solid additives. Proceedings of the 22<sup>nd</sup> Federation of Asian Pharmaceutical Associations Congress (FAPA 2008). Singapore: November 7-10, 2008: IDP005, 302 (poster presentation).
25. Kongkaneramt L, Witoonsaridsilp W, Peungvicha P, **Sarisuta N**. Antioxidant activity and cytotoxicity of different fractions from successive extraction of *Asparagus racemosus*. Proceedings of the 7<sup>th</sup> World Meeting on Pharmaceutics, Biopharmaceutics and Pharmaceutical Technology 2010. Valletta, Malta: March 8-11, 2010 (poster presentation).
26. **Sarisuta N**. Development and manufacture of novel targeted drug delivery systems. The 1<sup>st</sup> UKM-MU Joint Scientific Conference 2010. Kuala Lumpur, Malaysia: October 12-13, 2010 (plenary lecture).
27. Jateleela S, Mitrevej A, **Sarisuta N**. Kinetic release of diltiazem hydrochloride from hydrophilic swellable matrices. Proceedings of the 23<sup>rd</sup> Federation of Asian Pharmaceutical Associations Congress (FAPA 2010). Taipei, Taiwan: November 5-8, 2010: P2H531, 801 (poster presentation).
28. Benjakul R, Müller-Goymann CC, Moongkarndi P, **Sarisuta N**. Development of  $\alpha$ -mangostin-loaded liposomes: physicochemical properties and cytotoxicity effect. Proceedings of the 7<sup>th</sup> Indochina Conference on Pharmaceutical Sciences (Pharma Indochina 2011). Bangkok,

Thailand: December 2010: OR-PD-02 (oral presentation).

29. Witoonsaridsilp W, Panyarachun B, **Sarisuta N**. Development and characterization of mannosylated liposomes with synthesized Noctadecyl-D-mannopyranosylamine for oral protein delivery. Proceedings of the 8<sup>th</sup> World Meeting on Pharmaceutics, Biopharmaceutics and Pharmaceutical Technology 2012. Istanbul, Turkey: March 19-22, 2012 (poster presentation).
30. Plangsombat N, Rungsardthong K<sup>2</sup>, Varanuch N, **Sarisuta N**. Anti-inflammatory activity and liposomal formulations of *Asparagus racemosus* root extracts. Proceedings of the 7<sup>th</sup> Indochina Conference on Pharmaceutical Sciences (Pharma Indochina 2013). Ho Chi Minh City, Vietnam: December 4-5, 2013: PO-PD-11 (poster presentation).
31. Charernruttanakul A, Tunsirikongkon A, **Sarisuta N**. Effect of protein and phospholipid concentrations on size and entrapment efficiency of proliposome granules. Proceedings of the 7<sup>th</sup> Indochina Conference on Pharmaceutical Sciences (Pharma Indochina 2013). Ho Chi Minh City, Vietnam: December 4-5, 2013: PO-PD-02 (poster presentation).
32. Suwannoi P, Tunsirikongkon A, **Sarisuta N**. Development of acyclovir loaded bovine serum albumin nanoparticles prepared by desolvation method. Proceedings of the 9<sup>th</sup> World Meeting on Pharmaceutics, Biopharmaceutics and Pharmaceutical Technology 2014. Lisbon, Portugal: March 31 – April 3, 2014 (poster presentation).