

ชื่อ-สกุล: ฤดี สุราฤทธิ์	Name: Rudee Surarit
ตำแหน่งทางวิชาการ: รองศาสตราจารย์	Title: Associate Professor
วุฒิการศึกษา: วทบ. (ชีวเคมี), วท.ม. (ชีวเคมี), ปร.ด. (ชีววิทยาช่องปาก)	Education: B.Sc. (Biochemistry), M.Sc.(Biochemistry), Ph.D. (Oral Biology) University of Otago, New Zealand
ความเชี่ยวชาญ: วิทยาโรคฟันผุ มะเร็งช่องปาก น้ำลาย	Expertise: Cariology, Oral Cancer, Saliva
โทรศัพท์: -	Phone: -
อีเมล: rudee.sur@mahidol.ac.th	Email: rudee.sur@mahidol.ac.th

ผลงานทางวิชาการ / Publications

1. Svasti, J., Kurosky, A., Bennett, A., *Surarit, R.* and Bowman, B.H. (1979) Structure and Properties of Human Plasma Vitamin D Transport Protein (Group specific Component). In *Vitamin D Basic Research and Its Clinical Applications* (Norman, A.W. et al., eds.), pp.149-152, Walter de Gruyter & Co., Berlin.
2. *Surarit, R.* and Svasti, J. (1980) Effect of Ligand Binding on the Conformation of Human Plasma Vitamin D Binding Protein (Group-specific Component). *Biochem. J.* 191, 401-410.
3. Surinrut, P., Svasti, J. and *Surarit, R.* (1981) Improved Purification and Fluorescence Changes upon Activation of Human Seminal Plasma Acidic Protease. *Biochim. Biophys. Acta.* 659, 38- 47.
4. *Surarit, R.* and Svasti, J. (1982) Human Vitamin D Binding Protein: conformation and structure. *Vitamin D, Chemical, Biochemical and Clinical Endocrinology of Calcium Metabolism* (A.W. Norman et al, eds), pp. 1187-1190, Walter de Gruyter and Co., Berlin & New York.
5. Shepherd, M.G., *Surarit, R.*, Gopal, P.K. and Sullivan, P.A. (1984) Cell Wall Metabolism of α -1,3- and α -1,6-Glucan of *Candida albicans*. In *Microbial Cell Wall Synthesis* (Nombela, C. ed.), Amsterdam.
6. Hubbard, M.J., *Surarit, R.*, Sullivan, P.A. and Shepherd, M.G. (1986) The Isolation of Plasma Membrane and Characterisation of the Plasma Membrane ATPase from the Yeast *Candida albicans*. *Eur. J. Biochem.* 154, 375-381.
7. *Surarit, R.* and Shepherd, M.G. (1987) The Effects of Azole and Polyene Antifungals on the Plasma Membrane Enzymes of *Candida albicans*. *J. Med. Vet. Mycol.* 25, 403-413.
8. *Surarit, R.*, Gopal P.K. and Shepherd, M.G. (1988) Evidence for a Glycosidic Linkage between Chitin and Glucan in the Cell Wall of *Candida albicans*. *J. Gen. Microbiol.* 134, 1723-1730.

9. Surarit, R. (1990) *Candida albicans*: Clinical Significance and Research Trends. *Mahidol Dent. J.* 10, 160-167.
10. Svasti, J. and Surarit, R. (1991) Biochemical Education in Thailand: Past, Present and Future. *Biochemical Education* 19, 129-135.
11. Promsudthi, A., Kasetsuwan, J. and Surarit, R. (1991) The Use of Phenol Red for Study of Myeloperoxidase Enzyme in Gingival Crevicular Fluid of Adult Periodontitis and Juvenile Periodontitis. *Mahidol J. Dent.* 11, 142-148.
12. Weerapradist, W., Punyasingh, K., Bhuvanich, V. and Surarit, R. (1991) Toxicity of Arsenic on Skin and Oral Tissues. *Mahidol J. Dent.* 11, 165-172.
13. Svasti, J. and Surarit, R. (1992) A Survey of Introductory Biochemistry Courses at Thai Universities. *Biochem. Ed.* 20, 204-209.
14. Kuphasuk, Y., Kasetsuwan, J. and Surarit, R. (1993) Effectiveness of Herbal Dentifrice to Gingival Inflammation and Microorganisms Ratio in Periodontal Disease. *J. Dent. Assoc. Thai* 43, 29-36.
15. Svasti, J., Srisomsap, C., Siriboon, W., Fucharoen, S., Winichagoon, P. and Pranit Pravatmuang, P. and Surarit, R. (1993) The Structure of Abnormal Hemoglobins in Thailand. In *Recent Advances in Molecular and Biochemical Research on Proteins* (Wei, Y.-H., Chen, C.-S. and Su, J.-C., eds), World Scientific Press, Singapore, pp. 197-200.
16. Svasti, J., Surarit, R., Srisomsap, C., Pravatmuang, P., Wasi, P., Fucharoen, S., Blouquit, Y., Galacteros, F., and Rosa, J. (1993) Identification of Hb Anantharaj [$\alpha 11(\text{A9}) \text{Lys} \rightarrow \text{Glu}$] as Hb J- Wenchang-Wuming [$\alpha 11(\text{A9}) \text{Lys} \rightarrow \text{Gln}$]. *Hemoglobin* 17, 453-455.
17. Koontongkaew, S., Surarit, R. and Phantumvanit, P. (1993) Effect of an Anticalculus Toothpaste containing Pyrophosphate on Pyrophosphatase Activity and the State of Calcium Phosphate in Saliva. *J. Nihon Univ. Sch. Dent.* 35, 85-90.
18. Svasti, J., Boontrakulpoontawee, P., Yongsuwan, S., Sarikaputi, M., Siriboon, W., Srisomsap, C., Fucharoen, S., Winichagoon, P., Pravatmuang, P., and Surarit, R. (1994). Structural Analysis of Proteins in Thailand: Identification of abnormal hemoglobins. *Pure & Appl. Chem.* 66, 105-110.
19. Surarit, R., Benjavongkulchai, E. and Svasti, J. (1994) A Laboratory Experiment on Dental Caries. *Biochem. Ed.* 22, 45-47
20. Surarit, R. and Svasti, M.R. J. (1994) Enzymes in Daily Life (In Thai). *Sukhothai Thammathiraj Open University Journal* 7, 38-44.

21. Svasti, J. and Surarit, R. (1994) Biochemical Education and Curricula in Thailand. *Chemistry in Transition: Proceedings, 12th International Conference on Chemical Education*, pp. 84-88.
22. Thangnipon, W., Haruthaithanasan, P., Phanviriyapong, S., Thangnipon, W., and Surarit, R.. (1994) Effects of Organophosphate and Carbamate Insecticides on the Nervous System in Thai Farmers. *Mahidol Univ. J.* 1, 6-14.
23. Surarit, R., Svasti, M.R. J., Srisomsap, C., Suginta, W., Khunyoshyeng, S., Nilwarangkoon, S., Harnsakul, P. and Benjavongkulchai, E. (1995) Possible Use of Glycosidase Enzymes from Thai Plant Seeds for Oligosaccharide Synthesis. *Biopolymers and Bioproducts: structure, function and applications* (Svasti, J. et al., eds.), Samakkhisan Public Co. Ltd., Bangkok, pp. 251-255.
24. Khunyoshyeng, S., Srisomsap, C., Champattanachai, V., Boonpuan, K., Sawangareetrakul, P., Surarit, R. and Svasti, M.R.J. (1995) Purification and Properties of β -D-Glucosidase / β -D-Fucosidase from *Dalbergia cochinchinensis* Pierre. In *Biopolymers and Bioproducts: structure, function and applications* (Svasti, J. et al., eds.), Samakkhisan Public Co. Ltd., Bangkok, 246-250.
25. Srisomsap, C., Khunyosheyeng, S., Surarit, R. and Svasti, M.R.J. (1995) Studies of Oligosaccharide Synthesis by Enzymes from *Dalbergia cochinchinensis* Pierre. In *Biopolymers and Bioproducts: structure, function and applications* (Svasti, J. et al., eds.), Samakkhisan Public Co. Ltd., Bangkok, 241-245.
26. Benjavongkulchai, E., Surarit, R., Bucke, C., and Svasti, M.R. J. (1995) Glucosyl Acceptors of Dextranucrase from *Streptococcus mutans*. In *Biopolymers and Bioproducts: structure, function and applications* (Svasti, J. et al., eds.), Samakkhisan Public Co. Ltd., Bangkok, 230-234.
27. Surarit, R., Svasti, M.R.J., Srisomsap, C., Suginta, W., Khunyoshyeng, S., Nilwarangkoon, S., Harnsakul, P., and Benjavongkulchai, E. (1995) Screening of Glycohydrolase Enzymes in Thai Plant Seeds for Potential Use in Oligosaccharide Synthesis. *J. Sci. Soc. Thailand.* 21, 293-303.
28. Surarit, R., Koontongkaew, S. and Thaweeboon, T. (1995) Inhibitory Effect of Betel-nut Extract on Growth, Acid production and Dehydrogenase Enzyme of *Streptococcus mutans*. *J. Dent. Assoc Thai* 45, 125-129.
29. Surarit, R., Sa-nguansin, S., and Bruranathananukij, B. (1995) Oral candidosis in rat in relation to nutritional status. *J.Dent. Res.* 74, 446.
30. Karnchanakom, S., Buajeeb, W., Surarit, R. and Thaweeboon, B. (1995) Effect of antifungal drugs on adherence of *Candida albicans*. *J.Dent. Res.* 74, 447.

31. Doung-Udomdacha S., Surarit R., Petmitr, S., and Thaweboon, B. (1995) Detection of *Porphyromonas gingivalis* PCR technique using fimbrial gene primers. . *J.Dent. Res.* 74, special issue ; 508.
32. Authayapamonvat, S., Rittapai, A., Waikakul, A., and Surarit, R. (1995) Cytotoxicity assessment of local produced amalgam in Thailand. . *J.Dent. Res.* 74, special issue; 555.
33. Svasti, J., Srisomsap, C., Surarit, R., Benjavongkulchai, E., Suginta, W., Khunyoshyeng, S., Champattanachai, V., Nilwarangkoon, S. and Rungvirayudx, S. (1996) Potential Applications of Plant Glycohydrolases for Oligosaccharide Synthesis. In *Protein Structure Function Relationship*, Zaidi, Z. H. and Smith, D. L. eds Plenum Press pp. 249-257.
34. Srisomsap, C., Svasti, M.R. J., Surarit, R. , Champattanachai, V., Boonpuan, K., Sawangareetrakul, P., Subhasitanont, P. and Chokchaichamnankit, P. (1996) The Purification and Characterization of β -D-Glucosidase/ β -D-Fucosidase from *Dalbergia cochinchinensis* Pierre. *J. Biochem. (Tokyo)* 119, 585-590.
35. Benjavongkulchai, E., Surarit, R., Bucke, C. and Svasti, J. (1996) Synthesis of oligosaccharide by dextransucrase from a local strain of *Streptococcus mutans*. *J Sci Soc Thailand* 22, 105-110.
36. Surarit, R., Matsui, H., Chiba, S., Svasti, J. and Srisomsap, C. (1996) Chemical Modification Of β -Glucosidase/ β -Fucosidase from *Dalbergia Cochinchinensis* Pierre by Conduritol B Epoxide. *Biosci. Biotech. Biochem.* 60, 1265-68.
37. Svasti, M.R.J., Srisomsap, C. Surarit, R. and Benjavongkulchai, E. (1996) Oligosaccharide synthesis by reversal of plant glycosidases from Thailand. In *Proceedings second Thai-French Symposium on Plant Molecular Biology*, Bordeaux, France 6-10 October 1996, pp 160-171.
38. Petmitr, S., Doung-Udomdacha, S. and Surarit R (1996) Enhanced Sensivity of PCR detection for *Porphyromonas gingivalis* Using Microwave-Based DNA preparation *Asia Pacific J. of Mol. Biol. Biotech.* 4, 210-212
39. Vongsurasit, T., Surarit, R. and Autayapamornwat, S. (1996) Cytotoxicity Determination of Rubber Dam Using Neutral Red Absorption in L929 Mouse Fibroblast. *Mahidol Dental J.* 16, 113-117.
40. Vongsurasit, T., Surarit, R. and Autayapamornwat, S. (1996) Comparative Study the Cytotoxicity of Three Kind of Rubber Sheath Using Neutral Red Absorption in Mouse Fibroblast. *Mahidol Dental J.* 16, 152-156.
41. Karnchanakom, S., Buajeeb, W., Surarit R. and Thaweboon B. (1996) Effect of Antifungal Agents on Adherence of *Candida albicans* to Buccal Epithelial Cells. *Dental Journal of the Department of Medical Service* 3, 4-12.

42. Surarit, R., Matsui, H., Chiba, S., Svasti, J. and Srisomsap, C. (1997) Evidence for the Presence of a Single Active Site in β -D-Fucosidase/ β -D-Glucosidase from *Dalbergia cochinchinensis* Seeds. *Biosci. Biotech. Biochem.* 61, 93-95.
43. Medhanavyn, P., Nakornchai, S. and Surarit, R. (1997) Free Fluoride Content of Ready-to-feed Milk. *J. Dent. Assoc. Thailand* 47, 255-259
44. Svasti, M.R. J., Srisomsap, C., Surarit, R., Champattanachai, V., Boonpuan, K., Sawangareetrakul, P., Subhasitanont, P. and Chokchaichamnankit, D. (1997) Purification and Properties of Thai Rosewood β -Glucosidase/ β -Fucosidase. In *Proceedings, Conference on Biotechnology Research and Applications for Sustainable Development* (Mongkolsuk, S., Loprasert, S. and Srifah, P., eds.), Bangkok, Thailand, pp. 1-7.
45. Laohapand, P., Surarit, R., Ruxrungtham, K., and Suwatanapongched, P. (1997) Relationship between crevicular interleukin 1 β and periodontal activity in Thaiand. *J. Dent. Res.* 76; Special issue; 440.
46. Nakornchai, S., Surarit, R. and Sirikul, V. (1998) Fluoride content of ready to feed milk. *J. Dent. Assoc. Thai.* 48; 348-355.
47. Svasti, J., Srisomsap, C., Techasakul, S. and Surarit, R. (1999) Dalcochinin-8'-O- β -D-Glucoside and its β -Glucosidase Enzyme from *Dalbergia cochinchinensis*. *Phytochem.* 50, 739-743.
48. Svasti, M.R.J., Srisomsap, C., Surarit, R., Techasakul, S. and Ketudat-Cairns, J. (1999) Characterization of a Novel Rotenoid- β - Glucosidase Enzyme and its Natural Substrate from Thai Rosewood. *Proceedings, International Conference on Biodiversity and Bioresources Conservation and Utilization.* [http: / / www.iupac.org/ symposium/ proceedings/ phuket97/ svasti.html](http://www.iupac.org/symposium/proceedings/phuket97/svasti.html)
49. Nakornchai, S. and Surarit, R. (1999) The effect of various topical fluoride preparations on caries like lesion. *J. Dent. Assoc. Thai.* 49; 295-330.
50. Srisomsap, C., Subhasitanont, P., Techasakul, S., Surarit, R., and Svasti, J. (1999) Synthesis of homo- and hetero-oligosaccharides by Thai rosewood β -Glucosidase. *Biotechnology Letters* 21; 947-951.
51. Palangsak, S., Surarit, R., Petmitr, S., Thaweboon, B. and Weerapradist, W. (1999) Detection of *Prevotella intermedia* by PCR. *J. Dent. Res.* 78; Special issue; 426.
52. Chandrapho, N., Laohapand, P., Surarit, R., Petmitr, S., and Thaweboon, B. (1999) Relationship between *Porphyromonas gingivalis* and periodontal status in Thai patients. *J. Dent. Res.* 78; Special issue, 426.

53. Surarit, R., Srisomsap, C., Wasant, P., Svasti, J., Suthavoravut, U., Chokchaichamnankit, D. and Liammongkolkul, S. (1999) *Southeast Asian J. Trop. Med. Pub. Health* 30 Suppl. 2; 138-139.
54. Vajrabhaya, L., Jaturabundit, W. and Surarit, R. (2000) Effect of Thai Milk Products on the viability of PDL cells. *J. Dent. Assoc. Thai.* 50; 203-209.
55. Chuckpaiwong, S. Nakornchai, S. Surarit, R. Soo-ampon S. and Kasetsuwan, R. (2000) Fluoride in water consumed by children in remote areas of Thailand. *Southeast Asian J. Trop. Med. Pub. Health* 31: 319-324.
56. Chuckpaiwong, S. Nakornchai, S. Surarit, R. and Soo-ampon S. (2000) Dietary fluoride intake of children aged 3-7 years in remote areas of Thailand. *Southeast Asian J. Trop. Med. Pub. Health* 31: 579-582.
57. Chuckpaiwong, S. Nakornchai, S. Surarit, R. and Soo-ampon S. (2000) Fluoride analysis of milk in remote areas of Thailand. *Southeast Asian J. Trop. Med. Pub. Health* 31: 583-586.
58. Suwatanapongched, P., Laohapand, P., Surarit, R. and Ruxrungtham, K. (2000) Interleukin 1 β level in gingival crevicular fluid of patients with active periodontitis. *Asian Pacific J. Allergy Immunol.* 18 (4): 201-207.
59. Buajeeb, W., Ohyama, H., Zhang, X., Surarit, R. and Wong, D. (2001) Use of the two-hybrid system to search for p12^{Doc-1} interacting protein. *J. Dent. Res.* 80; Special issue; 669.
60. Permpiboon, A., Nisalak, P., Surarit, R. Jaochakarasiri, P. and Kaewsuriyathumrong, C. (2001) Failure of brackets and fluoride release from different bonding system. *J. Dent. Res.* 80; Special issue; 709.
61. Thaweboon, S., Chunhabundit, P., Surarit, R., Swasdison S. (2001) Effect of lead on human dental pulp cells *in vitro*. *J. Dent. Res.* 80; Special issue; 796.
62. Sanguansin, S., Surarit, R., Weerapradist, W., Petmitr, S. and Punyarit, P. (2002) Mutational analysis of hMSH2 gene in oral SCC. *J. Dent. Res.* 81; Special issue; A-263.
63. Boonsaeng, P., Vongsavan, K., Surarit, R., Amornchat, C. and Jitrapakdee, S. (2002) Detection of *Streptococcus mutans* and *Streptococcus sorbrinus* by multiplex PCR. *J. Dent. Res.* 81; Special issue; A-466.
64. Thaweboon, S., Chunhabundit, P., Surarit, R., Swasdison, S. and Suppukpatana, P. (2002) Effects of lead on the proliferation, protein production, and osteocalcin secretion of human dental pulp cells *in vitro*. *Southeast Asian J. Trop. Med. Pub. Health* 33: 654-661.
65. Lirdprapamongkol K, Mahidol C, Thongnest S, Prawat H, Ruchirawat S, Srisomsap C, Surarit R, Punyarit P and Svasti J. (2003) Anti-metastatic effects of aqueous extract of *helixanthera parasitica*. *J ethnopharmacol.* 86(2-3):253-6.

66. Rirattanapong, R, Vongsavan, K, *Surarit R*, and Juanarongrit, N. (2003) Effect of fluoride mouthrinse on mineralization of enamel lesion: in vitro study *J. Dent. Assoc. Thai.* 53; 229-237.
67. Buajeeb, W, Zhang, X, Ohyama H, Han, D, *Surarit, R*, Kim, Y and Wong DT. (2004) Interaction of the CDK2 associated protein-1, p12^{DOC-1/CDK2AP1}, with its homolog, p14^{DOC-1R} *Biochem Biophys Res Comm.* 315(4); 998-1003
68. Rajtboriraks D, Nakornchai S, Bunditsing P, *Surarit R*, Iemjarern P. Plaque and saliva fluoride levels after placement of fluoride releasing pit and fissure sealants. (2004) *Pediatr Dent.* 26(1):63-6.
69. Nakornchai, S, Atsawasuwan, P, Kitamura, E, *Surarit, R* and Yamauchi, M. (2004) Partial biochemical characterisation of collagen in carious dentin of human primary teeth *Arch Oral Biol.* 49(4):267-73.
70. Nimmanon, V, *Surarit R*, Atsawasuwan, P, Tiyadechachai, C.(2004) Quantitation and separation of proteins in rubber gloves. *J. Dent. Assoc Thai* 54(4):252-259.
71. Nakornchai, S, Harnirattisai, C, Thiladilok, S. and *Surarit, R.* (2005) Microtensile bond strength of two adhesives to caries-affected dentin of primary teeth. *J Am Dent Assoc.* 136(4):477-83.
72. Sanguansin, S., Petmitr, S., Punyarit, P., Vorasubin, V., Weerapradist, W. and *Surarit, R.*(2005) *hMSH2* gene alterations association with recurrence of oral squamous cell carcinoma. *J. Experiment Clin Cancer Res. In Press.*
73. Ketudat Cairns JR, Keeratichamroen S, Sukcharoen S, Champattanachai V, Ngiwsara L, Lirdprapamongkol K, Liammongkolkul S, Srisomsap C, *Surarit R*, Wasant P, Svasti J. . (2005) The molecular basis of mucopolysaccharidosis type I in two Thai patients. *Southeast Asian J Trop Med Public Health.* 36(5):1308-12.
74. Danchaivijitr, A., Nakornchai, S., Thaweeboon, B. , Leelataweewud, P. , Phonghanyudh, A., Kiatprajak, C., *Surarit, R.* (2006) The Effect Of Different Milk Formulas On Dental Plaque pH. *Int J Paediatr Dent.* 16(3): 192-8.
75. Laupattarakasem P., Wangsrimongkol T., *Surarit R.*, and Hahnvajanawong C. (2006) In vitro and in vivo anti-inflammatory potential of *Cryptolepis buchanani*. *J Ethnopharmacol.* 108 (3): 349 - 54.
76. Sanguansin, S., Petmitr, S., Punyarit, P., Vorasubin, V., Weerapradist, W. and *Surarit, R.* (2006) *hMSH2* gene alterations association with recurrence of oral squamous cell carcinoma. *J. Experiment Clin Cancer Res* 25(2): 251-257.

77. Doungudomdacha S., Chairatvit K., Sanguansin S., Surarit R. (2006) RAGE promoter in association with dental and medical histories. *Mahidol Dent J.* 26: 103-113.
78. Doungudomdacha S., Surarit R., Visadenimitchai K., Tararungraung S., Tangkongpanich K. (2006) Effect of DNA preparations on PCR-detection of *Streptococcus mutans* and *Streptococcus sobrinus*. *Mahidol Dent J.* 26: 123-130.
79. Wara-aswapati N, Surarit R, Chayasadam A, Boch JA, Pitiphat W. (2007) RANKL upregulation associated with periodontitis and *Porphyromonas gingivalis*. *J Periodontol.* Jun;78(6):1062-9.
80. Nishimoto M, Mori H, Moteki T, Takamura Y, Iwai G, Miyaguchi Y, Okuyama M, Wongchawalit J, Surarit R, Svasti J, Kimura A, Chiba S. (2007) Molecular Cloning of cDNAs and Genes for Three alpha-Glucosidases from European Honeybees, *Apis mellifera* L., and Heterologous Production of Recombinant Enzymes in *Pichia pastoris*. *Biosci Biotechnol Biochem.* Jul;71(7):1703-16.
81. Rirattanapong, S., Vongsavan, K., Surarit, R. (2007) Enamel Erosion of Some Soft Drink. *Mahidol Dent. J.*;27(2): 117-126.
82. Luppanapornlarp, S., Kajii, T., Iida, J., Surarit, R. (2007) IL-1b Levels during Orthodontic Tooth Movement with Different Continuous Forces. *J. Dent. Res.* 86; Special issue A; 1369.
83. Lirdprapamongkol K, Kramb JP, Chokchaichamnankit D, Srisomsap C, Surarit R, Sila-Asna M, Bunyaratvej A, Dannhardt G, Svasti J. (2008) Juice of *eclipta prostrata* inhibits cell migration in vitro and exhibits anti-angiogenic activity in vivo. *In Vivo.* May-Jun;22(3):363-8.
84. Suphasiriroj W, Yotnuengnit P, Surarit R, Pichyangkura R. (2009) The fundamental parameters of chitosan in polymer scaffolds affecting osteoblasts (MC3T3-E1). *J Mater Sci Mater Med.* Jan 20(1):309-20. Epub 2008 Sep 13.
85. Lirdprapamongkol K, Kramb JP, Suthiphongchai T, Surarit R, Srisomsap C, Dannhardt G, Svasti J. (2009) Vanillin suppresses metastatic potential of human cancer cells through PI3K inhibition and decreases angiogenesis in vivo. *J Agric Food Chem.* 57(8):3055-63.
86. Buntup, D, Chayasadam, A., Surarit, R, Jutapakdeegul, N., Thangnipon, W. (2009) Effects of amyloid- β peptide on glutamine transporter mRNA expression and cell viability in cultured rat cortical cells. *ScienceAsia* 35(2): 156-160.

87. Noppamassiri, S., Sirirat, M., Surarit, R., Kasetsuwan, K., Rojanapanthu, P. (2009) The cytotoxic effect of *Andrographis paniculata* extract and *Andrographis paniculata* gel on human periodontal ligament cells. *Mahidol Dent. J.* 29(1) : 37-44.
88. Rirattanapong, S., Vongsavan, K., Surarit, R. (2009) Microleakage of two fluoride releasing pit and fissure sealants. *Mahidol Dent. J.*;29(1) : 46-54.
89. Rirattanapong, S., Smutkeeree, A. Surarit, R. Saengsirinavin, C. Kunanantsak, V. (2010) Effect of Fluoride dentifrice on remineralization of demineralized primary enamel. *Southeast Asian J Trop Med Public Health.* 41 : 243-249.
90. Suwatanapongched P, Surarit R, Srisatjaluk R, Offenbacher S. (2010) Translocation of *Porphyromonas gingivalis* infected monocytes and associated cellular responses. *Asian Pac J Allergy Immunol.* 28(2-3):192-9.
91. Promklay, A., Fuangtharnthip, P., Surarit, R., Atsawasuwana P. (2010) Response of dental pulp cells to Er:YAG irradiation. *Photomedicine and Laser Surgery Photomed Laser Surg.* 2010 Dec;28(6) :793-9.
92. Luppapanornlarp, S., Kajii, T., Iida, J., Surarit, R. (2010) Interleukin-1 β levels, pain intensity and tooth movement using two different magnitudes of continuous orthodontic forces. *Eur J Orthod.* 2010 Oct;32(5) : 596-601.
93. Vongsawan, K., Surarit, R., Rirattanapong, S. (2010) The effect of high calcium milk and casein phosphopeptide-amorphous calcium phosphate on enamel erosion caused by chlorinated water. *Southeast Asian J Trop Med Public Health.* 41 : 1494-99.
94. Khovidhunkit, S.P., Yingsaman, N., Chairachvit, K., Surarit R., Fuangtharnthip, P., Petsom, A. (2010) In vitro study of the effects of plaunotol on oral cell proliferation and wound healing. *J. Asian Nat. Prod. Res.* In Press.
95. Techatanawat, S., Surarit, R. Suddhasthira, T., Khovidhunkit, S.P. (2011) Type I collagen extracted from rat tail and bovine Achilles tendon for dental application: a comparative study. *Asian Biomedicine* 5 : 787-798.
96. Rirattanapong, P., Vongsavan, K., Surarit, R. Shear bond strength of some sealants under saliva contamination. (2011) *Southeast Asian J Trop Med Public Health* 42 : 463-467
97. Kanintronkul, Y., Worayuthakarn, R., Thasana, N., Winayanuwattikun, P., Pattanapanyasat, K., Surarit, R., Ruchirawat, S. , Svasti, J. (2011) Overcoming multidrug resistance in human lung cancer with novel benzo[a]quinolizin-4-ones. *Anticancer Research* 31 : 921-927
98. Vongsawan, K., Surarit, R., Rirattanapong, S. (2012) Effectiveness of soy milk with calcium on bovine enamel erosions after soaking in chlorinated water. *Southeast Asian J Trop Med Public Health* 43 : 1292-1296.

99. Lirdprapamongkol, K., Chiablaem, K., Sila-Asna, M., Surarit, R., Bunyaratvej, A., Svasti, J. (2012) Exploring stemness gene expression and vasculogenic mimicry capacity in well- and poorly-differentiated hepatocellular carcinoma cell lines. *Biochem Biophys Res Com* 422 : 429-435.
100. Rodanant, P., Surarit, R. Srichan, R., (2012) Korsuwannavong, S. Cytotoxic and anti- inflammatory activity of some Thai medicinal plants. *J. Med. Plant Res.* 6 : 4063-68.
101. Wara-Aswapati, N., Chayasadam, A., Surarit, R., Pitiphat, W., Boch, J.A., Nagasawa, T., Ishikawa, I., Izumi, Y. : Induction of toll-like receptor expression by *Porphyromonas gingivalis*. *Journal of Periodontology*. 2013;84(7) : 1010-1018.
102. Rirattanapong, P., Vongsavan, K., Surarit, R. : Effect of soft drinks on the release of calcium from enamel surfaces. *The Southeast Asian journal of tropical medicine and public health*. 2013; 44(5) : 927-930.
103. Rirattanapong, P., Vongsavan, K., Surarit, R. : Microleakage of two fluoride-releasing sealants when applied following saliva contamination. *The Southeast Asian Journal of tropical medicine and public health*. 2013; 44(5) : 931-934.
104. Seriwatanachai, D., Choonate, S., Surarit, R. : Novel actions of prolactin in human periodontal ligament. IADR general session and exhibition Cape Town, South Africa (June 25-28, 2014) : Poster Session 411.
105. Kiettipirodom, W., Saeko, S., Melanon, S., Thirduwan, R., Surarit, R., Kijsamanmith, K., Vongsavan, N. : Effect of desensitizing dentrifiers and milk on hydraulic- conductance of human dentin. IADR general session and exhibition Cape Town, South Africa (June 25-28, 2014) : Poster Session 1117.
106. Seubbuk, S., Surarit, R., Kasetsuwan, J., Sritanaudomchai, H. : Role of RAGE in inflammation and high glucose condition. IADR general session and exhibition Cape Town, South Africa. (June 25-28, 2014) : Poster Session 686.
107. Sanguansermisri, P., Surarit, R., Doungusomdacha, S. : Development of DGGE method for identification of Dog' s periodontal pathogens. IADR general session and exhibition Cape Town, South Africa. (June 25-28, 2014) : Poster Session 358.

108. Chairatvit, K., Choonate, S., Talungchit, S., Wongnoppavich, A., Surarit, R. : Salivary tumor suppressor “Maspin” as a potential negative biomarker for oral cancer.73rd Annual Meeting of The Japanese Cancer Association (JCA). Yokohama, Japan. (September 24-27, 2014) : Poster presentation.
109. Likitarunrat, O., Wongs, S., Booranapanich, W., Intharasea, P., Vongsavan, K., Rirattanapong, P., Surarit, R.: Effect of infant milk on rehardening of enamel caries-like lesion.25th Annual scientific meeting South East Asia association for dental education. Sarawak,Malaysia. (August 11-12 , 2014) : Poster presentation.
110. Puengsurin, D. and Surarit, R. : In vitro study of the effects of vanillin on oral cell migration. The 9th International dental collacoration of the Mekong river region (IDCMR) congress. Bali, Indonesia. (December 4-5, 2014) : Poster Session 36.
111. Nguyen, TT.,Choonate, S., Puengsurin, D., Srichan, R., Mala, S., Surarit, R. : Effects of *Ecliptaprostrata* and *Eclipta alba* on survival, proliferation, migration of Periodontal ligament cells. The 9th International dental collacoration of the Mekong river region (IDCMR) congress. Bali, Indonesia. (December 4-5, 2014) : Oral presentation.
112. Chiablaem, K., Lirdprapamongkol, K., Keeratichamroen, S., Surarit, R., Svasti, J. : Curcumin suppresses vasculogenic mimicry capacity of hepatocellular carcinoma cells through STAT3 and PI3K/AKT inhibition. Anticancer Research . 2014; 4(1) :Pages 1857-1864.
113. Vongsavan, K., Surarit, R., Rirattanapong, P. : The combined effect of xylitol and fluoride in varnish on bovine teeth surface microhardness. The Southeast Asian journal of tropical medicine and public health. 2014; 45(2) : Pages 505-510.
114. Choonate, S., Wongnoppavich, A., Talungchit, S., Surarit, R.,Chairatvit, K. : Salivary tumor Suppressor “Maspin” as a potential negative biomarker for oral cancer. องค์การบริหารคณะทันต-แพทยศาสตร์แห่งประเทศไทย (อ.บ.ท.ท.) 2557. Poster present.
115. Wara-Aswapati, N., Chayasadam, A., Surarit, R., Pitiphat, W., Boch, J.A., Nagasawa, T., Ishikawa, I., Izumi, Y. (2013) Induction of toll-like receptor expression by Porphyromonas gingivalis. Journal of Periodontology. 84 (7): 1010-1018.
116. Rirattanapong, P., Vongsavan, K., Surarit, R. (2013) Effect of soft drinks on the release of calcium from enamel surfaces. Southeast Asian J Trop Med Public Health. 44(5) : 927-930.

117. Rirattanapong, P., Vongsavan, K., Surarit, R. (2013) Microleakage of two fluoride-releasing sealants when applied following saliva contamination. *Southeast Asian J Trop Med Public Health*. 44(5) : 931-934.
118. Vongsavan, K., Surarit, R., Rirattanapong, P. (2014) The combined effect of xylitol and fluoride in varnish on bovine teeth surface microhardness. *Southeast Asian J Trop Med Public Health*. 45 (2): 505-510.
119. Chiablaem, K., Lirdprapamongkol, K., Keeratichamroen, S., Surarit, R., Svasti, J. (2014) Curcumin suppresses vasculogenic mimicry capacity of hepatocellular carcinoma cells through STAT3 and PI3K/AKT inhibition. *Anticancer Research*. 34(4): 1857-1864.
120. Panith, N., Assavanig, A., Lertsiri, S., Bergkvist, M., Surarit, R., Niamsiri, N. Development of tunable biodegradable polyhydroxyalkanoates microspheres for controlled delivery of tetracycline for treating periodontal disease. *Journal of Applied Polymer Science*, 2016.
121. Nguyen, T.T., Ngo, L.Q., Promsudthi, A., Surarit, R. Salivary lipid peroxidation in patients with generalized chronic periodontitis and acute coronary syndrome. *Journal of Periodontology*, 2016.
122. Vongsavan, K., Rirattanapong, P., Surarit, R. Comparison of children's follow-on instant powdered cow's milk formula, buffalo milk formula and chicken-based formula on enamel microhardness of bovine teeth in vitro. *Southeast Asian Journal of Tropical Medicine and Public Health*, 2016.
123. Surarit, R., Krishnamra, N., Seriwatanachai, D. Prolactin receptor and osteogenic induction of prolactin in human periodontal ligament fibroblasts. *Cell Biology International*, 2016.
124. Kijssamanmith, K., Surarit, R., Vongsavan, N. Effect of tropical fruit juices on dentine permeability and erosive ability in removing the smear layer: An in vitro study. *Journal of Dental Sciences*, 2016.
125. Vongsavan, K., Rirattanapong, P., Surarit, R. Association between milk temperature and microhardness of enamel caries. *Southeast Asian Journal of Tropical Medicine and Public Health*, 2017.
126. Rodanant, P., Boonnak, N., Surarit, R., Kuvatanasuchati, J., Lertsooksawat, W. Antibacterial, anti-inflammatory and anti-oxidant activities of various isolated compounds from *Cratogeomys* species. *Pakistan Journal of Pharmaceutical Sciences*, 2017.
127. Chintavalakorn, R., Khantachawana, A., Viravaidya-Pasuwat, K., Santiwong, P., Surarit, R. In vitro effects of mechanical stimulation and photobiomodulation on osteoblastic cell function: A proof of concept study. *Pediatric Dental Journal*, 2017.
128. Vajrabhaya, L.-O., Korsuwannawong, S., Surarit, R. Cytotoxic and the proliferative effect of cuttlefish bone on MC3T3-E1 osteoblast cell line. *European Journal of Dentistry*, 2017.

129. Nguyen, T.T., Ngo, L.Q., Promsudthi, A., Surarit, R. Salivary oxidative stress biomarkers in chronic periodontitis and acute coronary syndrome. *Clinical Oral Investigations*, 2017.
130. Seubbuk, S., Sritanaudomchai, H., Kasetsuwan, J., Surarit, R. High glucose promotes the osteogenic differentiation capability of human periodontal ligament fibroblasts. *Molecular Medicine Reports*, 2017.
131. Sanguansermisri, P., Chairatvit, K., Roytrakul, S., Doungudomdacha, S., Surarit, R. Exploring difference in subgingival microbial communities in dog and human periodontal diseases using DGGE technique. *Thai Journal of Veterinary Medicine*, 2017.
132. Kijssamanmith, K., Surarit, R., Vongsavan, N. Comparison of milk and desensitizing dentifrices in reducing hydraulic conductance of human dentin in vitro. *Southeast Asian Journal of Tropical Medicine and Public Health*, 2018.
133. Sanguansermisri, P., Jenkinson, H.F., Thanasak, J., Chairatvit, K., Roytrakul, S., Kittisenachai, S., Puengsurin, D., Surarit, R. Comparative proteomic study of dog and human saliva. *PLoS ONE*, 2018.
134. Talungchit, S., Buajeeb, W., Lerdtripop, C., Surarit, R., Chairatvit, K., Roytrakul, S., Kobayashi, H., Izumi, Y., Khovidhunkit, S.-O.P. Putative salivary protein biomarkers for the diagnosis of oral lichen planus: A case-control study. *BMC Oral Health*, 2018.
135. Sanguansermisri, P., Nobbs, A.H., Jenkinson, H.F., Surarit, R. Interspecies dynamics among bacteria associated with canine periodontal disease. *Molecular Oral Microbiology*, 2018.
136. Prapansilp, W., Rirattanapong, P., Surarit, R., Vongsavan, K. The effect of changes in the powder liquid ratio of glass-ionomer sealant on the amount of fluoride released. *Southeast Asian Journal of Tropical Medicine and Public Health*, 2018.
137. Prapansilp, W., Vongsavan, K., Rirattanapong, P., Surarit, R. Effect of resin modified glass ionomer cement on microhardness of initial caries lesions. *Southeast Asian Journal of Tropical Medicine and Public Health*, 2018.
138. Nguyen, T.T., Huynh, N.N.-C., Seubbuk, S., Nilmoje, T., Wanasuntronwong, A., Surarit, R. Oxidative stress induced by *Porphyromonas gingivalis* lysate and nicotine in human periodontal ligament fibroblasts. *Odontology*, 2019.
139. Thanasrisuebwong, P., Surarit, R., Bencharit, S., Ruangsawasdi, N. Influence of fractionation methods on physical and biological properties of injectable platelet-rich fibrin: An exploratory study. *International Journal of Molecular Sciences*, 2019.

140. Rirattanapong, P., Vongsavan, K., Prapansilp, W., Surarit, R. Effect of resin-modified glass ionomer cement on tooth microhardness under treated caries. *Southeast Asian Journal of Tropical Medicine and Public Health*, 2019.
141. Techatanawat, S., Surarit, R., Chairatvit, K., Roytrakul, S., Khovidhunkit, W., Thanakun, S., Izumi, Y., Khovidhunkit, S.-O.P. Salivary and serum cystatin SA levels in patients with type 2 diabetes mellitus or diabetic nephropathy. *Archives of Oral Biology*, 2019.
142. Nopnakeepong, W., Jantararat, J., Surarit, R., Smutkeeree, A. Assessment of root dentin pH changes in primary and permanent molars with different types of calcium hydroxide intracanal medication. *Pediatric Dental Journal*, 2019.
143. Thanasrisuebwong, P., Kiattavorncharoen, S., Surarit, R., Phruksaniyom, C., Ruangsawasdi, N. Red and yellow injectable platelet-rich fibrin demonstrated differential effects on periodontal ligament stem cell proliferation, migration, and osteogenic differentiation. *International Journal of Molecular Sciences*, 2020.
144. Horsophonphong, S., Kitkumthorn, N., Sritanaudomchai, H., Nakornchai, S., Surarit, R. High glucose affects proliferation, reactive oxygen species and mineralization of human dental pulp cells. *Brazilian Dental Journal*, 2020.
145. Horsophonphong, S., Sercia, A., França, C.M., Tahayeri, A., Reddy, A.P., Wilmarth, P.A., Surarit, R., Smith, A.J., Ferracane, J.L., Bertassoni, L.E. Equivalence of human and bovine dentin matrix molecules for dental pulp regeneration: proteomic analysis and biological function. *Archives of Oral Biology*, 2020.
146. Techatanawat, S., Surarit, R., Chairatvit, K., Khovidhunkit, W., Roytrakul, S., Thanakun, S., Kobayashi, H., Khovidhunkit, S.-O.P., Izumi, Y. Salivary and serum interleukin-17A and interleukin-18 levels in patients with type 2 diabetes mellitus with and without periodontitis. *PLoS ONE*, 2020.
147. Trongsilat, S., Lapirattanakul, J., Surarit, R., Smutkeeree, A. In vitro comparison of biofilm formation and acidogenicity between human breast milk and other milk formulas. *Pediatric Dental Journal*, 2020.
148. Chaweewannakorn, C., Santiwong, P., Surarit, R., Sritanaudomchai, H., Chintavalakorn, R. The effect of LED photobiomodulation on the proliferation and osteoblastic differentiation of periodontal ligament stem cells: in vitro. *Journal of the World Federation of Orthodontists*, 2021.