

Bibliography

(A) Book Chapters

1. **Seneviratne CJ**, RD Jayasinghe. Association of Candida with Linear Gingival Erythema in HIV infected subjects in *Candida and Candida infections* by Elsevier (in press)
2. Samaranyake LP, Parahitiyawa NB, **Seneviratne CJ**. Chapter 9. Isolation of nucleic acids (including DNA and RNA) from yeasts, *Handbook of Nucleic Acid Purification*, Taylor & Francis CRC Press. 2008, Chapter 9: 169-188.
3. **Seneviratne CJ**, Jin LJ, Samaranyake LP. *Molecular Microbiology of Candida Biofilms*, Lambert Academic Publishing & Co, Saarbrücken Germany, 2010.
4. **Seneviratne CJ**, Samaranyake LP. Drug Resistance Mechanisms of Fungal Biofilms, in *Biofilm Formation, Development & Properties* Nova Science Publishers, Inc, NY, USA, 2010.

(B) Journal articles

1. **CJ Seneviratne***, G Zeng, T Truong, SS Wong, LP Samaranyake, FY Chan, YM Wang, Y Wang. New "haploid biofilm model" unravels IRA2 as a novel regulator of *Candida albicans* biofilm formation. *Scientific Reports* (in press). * corresponding author
2. **Chaminda Jayampath Seneviratne**, Phoenix Ho Lam Fong, Sarah Sze Wah Wong and Victor Ho Fun Lee. Antifungal susceptibility and phenotypic characterization of oral isolates of a black fungus from a nasopharyngeal carcinoma patient under radiotherapy. *BMC Oral Health* (in press)* corresponding author
3. Li CL, Lu WW, **Seneviratne CJ**, Leung WK, Zwahlen RA, Zheng LW. Role of periodontal disease in bisphosphonate-related osteonecrosis of the jaws in ovariectomized rats. *Clin Oral Implants Res.* (in press).
4. **Chaminda Jayampath Seneviratne**, Ken Cham-Fai Leung, Chi-Hin Wong, Siu-Fung Lee, Xuan Li, Ping Chung Leung, Clara Bik San Lau, Elaine Wat, Lijian Jin. Nanoparticle-encapsulated Chlorhexidine against Oral Bacterial Biofilms. *PLOS ONE*. 2014; 9 (8):e103234.
5. Wong, SSW, Samaranyake LP, **Seneviratne CJ**.* In pursuit of the ideal antifungal agent for *Candida* infections: High-throughput screening of small molecules. *Drug Discovery Today*. 2014; 19 (11): 1721-30. (IF=6.8)* corresponding author
6. Tan CM, Tsoi JK, **Seneviratne CJ**, Matinlinna JP. Evaluation of the *Candida albicans* removal and mechanical properties of denture acrylics cleaned by a low-cost powered toothbrush. *J Prosthodont Res.* 2014; 58 (4). 243-51.

7. Wang S, Guo L, **Seneviratne CJ**, Huang B, Han J, Peng L, Liu X, Zhang C. Biofilm formation of salivary microbiota on dental restorative materials analyzed by denaturing gradient gel electrophoresis and sequencing. *Dent Mater J*. 2014;33(3):325-31.
8. Wong SW, Kao RT, Wang Y, Yuen KY, Yang D, Samranayake LP, **Seneviratne CJ***. In vitro and in vivo activity of a novel antifungal small molecule against *Candida* Infections. *PLOS ONE*. 2014; 9(1): e85836 (IF=3.7). *corresponding author
9. Chen Y, Wong RW, McGrath C, Hagg U, **Seneviratne CJ**. Natural compounds containing mouthrinses in the management of dental plaque and gingivitis: a systematic review. *Clin Oral Investig*. 2014; 18:1-16.
10. **Seneviratne CJ***, Yip JW, Chang JW, Zhang CF, Samaranayake LP. Effect of culture media and nutrients on biofilm growth kinetics of laboratory and clinical strains of *Enterococcus faecalis*. *Arch Oral Biol*. 2013; 58:1327-34. *corresponding author
11. Herath TD, Darveau RP, **Seneviratne CJ**, Wang CY, Wang Y, Jin L. Tetra- and Penta-Acylated Lipid A Structures of *Porphyromonas gingivalis* LPS Differentially Activate TLR4-Mediated NF- κ B Signal Transduction Cascade and Immuno-Inflammatory Response in Human Gingival Fibroblasts. *PLOS ONE*. 2013; 8:e58496.
12. Herath TD, Wang Y, **Seneviratne CJ**, Darveau RP, Wang CY, Jin L. The expression and regulation of matrix metalloproteinase-3 is critically modulated by *Porphyromonas gingivalis* lipopolysaccharide with heterogeneous lipid A structures in human gingival fibroblasts. *BMC Microbiol*. 2013; 13:73.
13. Li X, Zhu XF, Zhang CF, Cathro P, **Seneviratne CJ**, Shen S. Endodontic bacteria from primary and persistent endodontic lesions in Chinese patients as identified by cloning and 16S ribosomal DNA gene sequencing. *Chin Med J (Engl)*. 2013;126:634-9
14. Chen Y, Wong RW, **Seneviratne CJ**, Hagg U, McGrath C, Samaranayake LP. The effects of natural compounds-containing mouthrinses on patients with fixed orthodontic appliance treatment: clinical and microbiological outcomes. *Int J Paediatr Dent*. 2013; 23:452-59.
15. **Seneviratne CJ***, Wang Y, Jin L, Wong S, Herath TDK, Samaranayake LP. Unravelling the Resistance in Microbial Biofilms: Has Proteomics been helpful? *Proteomics* 2012; 12: 651-65 *corresponding author
16. Biocide resistance of *Candida* and *Escherichia coli* biofilms may be associated with higher antioxidative capacities Leung CY, Chan YC, Samaranayake LP, **Seneviratne CJ***. *J Hosp Infect*. 2012; 81:79-86. *corresponding author

17. **Seneviratne CJ**, CF Zhang, LP Samaranyake. Dental Plaque Biofilm in Oral Health and Disease, *Chine J of Dental Res* 2012; 14: 221-30.
18. Gao XL, **Seneviratne CJ**, Lo EC, Chu CH, Samaranyake LP. [Novel and conventional assays in determining abundance of *Streptococcus mutans* in saliva.](#) *Int J Paediatr Dent.* 2012; 22:363-68.
19. Chen Y, Wong RW, **Seneviratne CJ**, Hägg U, McGrath C, Samaranyake LP. Comparison of the antimicrobial activity of Listerine and Corsodyl on orthodontic brackets in vitro. *Am J Orthod Dentofacial Orthop.* 2011; 140:537-42.
20. **Seneviratne CJ**, Wong SS, Yuen KY, Meurman JH, Pärnänen P, Vaara M, Samaranyake LP. Antifungal Susceptibility and Virulence Attributes of Bloodstream Isolates of *Candida* from Hong Kong and Finland. *Mycopathologia.* 2011; 172:389-95.
21. Herath TD, Wang Y, **Seneviratne CJ**, Lu Q, Darveau RP, Wang CY, Jin L. *Porphyromonas gingivalis* lipopolysaccharide lipid A heterogeneity differentially modulates the expression of IL-6 and IL-8 in human gingival fibroblasts. *J Clin Periodontol.* 2011; 38: 694-701.
22. Chu CH, Mei L, **Seneviratne CJ**, Lo EC. Effects of silver diamine fluoride on dentine carious lesions induced by *Streptococcus mutans* and *Actinomyces naeslundii* biofilms. *Int J Paediatr Dent.* 2011; 22: 2-10.
23. Watamoto T, Samaranyake LP, Egusa H, Yatani H, **Seneviratne CJ**. Transcriptional regulation of drug-resistance genes in *Candida albicans* biofilms in response to antifungals. *J Med Microbiol.* 2011; 60:1241-77. *corresponding author
24. **Seneviratne CJ**, Wong RW, Hägg U, Chen Y, Herath TD, Lakshman Samaranyake P, Kao R. Prunus mume extract exhibits antimicrobial activity against pathogenic oral bacteria. *Int J Paediatr Dent.* 2011; 21:299-305.
25. Meurman JH, Pärnänen P, **Seneviratne CJ**, Samaranyake LP., Saarinen AM, Kari K. Prevalence and antifungal drug sensitivity of non-*albicans Candida* in oral rinse samples of self-caring elderly. *Gerodontology.* 2011; 28:246-52.
26. Low B, Lee W, **Seneviratne CJ**, Samaranyake LP, Hägg U. Ultrastructure and morphology of biofilms on thermoplastic orthodontic appliances in 'fast' and 'slow' plaque formers. *Eur J Orthod.* 2011; 33:577-83.
27. Chen Y, Wong RW, **Seneviratne CJ**, Hägg U, McGrath C, Samaranyake LP, Kao R. The antimicrobial efficacy of Fructus mume extract on orthodontic bracket: a monospecies-biofilm model study in vitro. *Arch Oral Biol.* 2011; 56: 16-21.
28. da Silva WJ, **Seneviratne CJ**, Samaranyake LP, Del Bel Cury AA. Bioactivity and architecture of *Candida albicans* biofilms developed on poly(methyl methacrylate) resin surface. *J Biomed Mater Res B Appl Biomater.* 2010; 94: 149-56.

29. Wong RW, Hägg U, Samaranayake L, Yuen MK, **Seneviratne CJ**, Kao R. Antimicrobial activity of Chinese medicine herbs against common bacteria in oral biofilm. A pilot study. *Int J Oral Maxillofac Surg*. 2010; 39:599-605.
30. **Seneviratne CJ**, Wang Y, Jin LJ, Abiko Y, Samaranayake LP. Proteomics of drug resistance in *Candida glabrata* biofilms. *PROTEOMICS* 2010; 10:1444-54.
31. Watamoto T, Samaranayake LP, Jayatilake JA, Egusa H, Yatani H, **Seneviratne CJ**. Susceptibility Of *Candida albicans* Filamentation-Defective Mutants To Clinical Biocides. *J Hospital Infection*. 2010;74:189-91. *corresponding author
32. Kang K, Wong KS, **Seneviratne CJ**, Samaranayake LP, Fong WP, Tsang PW. In vitro synergistic effects of metergoline and antifungal agents against *Candida krusei*. *Mycoses*. 2010; 53: 495-9.
33. So CW, Tsang PW, Lo PC, **Seneviratne CJ**, Samaranayake LP, Fong WP. Photodynamic inactivation of *Candida albicans* by BAM-SiPc. *Mycoses*. 2010; 53:215-20.
34. Watamoto T, Samaranayake LP, Jayatilake JA, Egusa H, Yatani H, **Seneviratne CJ**. Effect of filamentation and mode of growth on antifungal susceptibility of *Candida albicans*. *Int J Antimicrob Agents*. 2009; 34:333-9. *corresponding author
35. **Seneviratne CJ**, Silva WJ, Jin LJ, Samaranayake YH, Samaranayake LP. Architectural analysis, viability assessment and growth kinetics of *Candida albicans* and *Candida glabrata* biofilms. *Arch Oral Biol* 2009; 54:1052-60.
36. Thein ZW, **Seneviratne CJ**, Samaranayake YH and Samaranayake LP. Community Lifestyle of *Candida* in Mixed Biofilms: a mini review. *Mycoses*. 2009; 52:467-7.
37. **Seneviratne CJ**, Zhang T, Fang HH, Jin LJ, Samaranayake LP. Distribution Coefficients of Dietary Sugars in Artificial *Candida* Biofilms. *Mycopathologia*. 2009; 167:325-31.
38. Samaranayake YH, Cheung BP, Parahitiyawa N, **Seneviratne CJ**, Yau JY, Yeung KW, Samaranayake LP. Synergistic activity of lysozyme and antifungal agents against *Candida albicans* biofilms on denture acrylic surfaces. *Arch Oral Biol*. 2009; 54:115-26.
39. **Seneviratne CJ**, Samaranayake LP. Dental Plaque as a microbial biofilm, friend or foe? *Dental Asia* 2009 May/June issue.

40. **Seneviratne CJ**, Jin LJ, Samaranayake LP. Biofilm lifestyle of *Candida*: a mini review. Oral Dis. 2008; 14: 582-90
41. **Seneviratne CJ**, Jin LJ, Samaranayake YH, Samaranayake LP. (2008) Cell density and cell aging as factors modulating antifungal resistance of *Candida albicans* biofilms. Antimicrob Agents Chemother. 2008; 52: 3259-3266.
42. Wang Y, **Seneviratne CJ**. Biomarker discovery in clinical proteomics: strategies for exposing low abundant proteins. Current Proteomics. 2008; 5: 104-114.
43. **Seneviratne CJ**, Wang Y, Jin L, Abiko Y, Samaranayake LP. (2008) *Candida albicans* biofilm formation is associated with increased anti-oxidative capacities. PROTEOMICS. 2008; 8: 2936-47.
44. **Seneviratne CJ**, Wong RW, Samaranayake LP. Potent anti-microbial activity of traditional Chinese medicine herbs against *Candida* species. Mycoses. 2008; 51: 30-4.
45. **Seneviratne CJ**, Samaranayale LP. An overview of H5NI Infection and its implications for dentistry. International Journal of Clinical Dentistry. 2008; 1:27-45.
46. da Silva WJ, **Seneviratne CJ**, Parahitiyawa N, Rosa EA, Samaranayake LP, Del Bel Cury AA. Improvement of XTT assay performance for studies involving *Candida albicans* biofilms. Braz Dent J. 2008; 19:364-9.