

## Curriculum Vitae

**Full name:** Professor Gehan Joseph Panagoda

**Date of Birth:** 27/08/1962

**School's attended:** St. Thomas's College Kotte, D. S. Senanayake College, Colombo

**Educational Qualifications:** B.Sc, M.Sc, PhD

**Research Interest:** Development of Anti-infective agents

**Professional/Teaching Experience:** Fourteen years of teaching microbiology for dental students, five years of teaching microbiology for student's of Faculty of Allied Health Sciences, ....years teaching of student's of Postgraduate Institute of Agriculture, ....years teaching student's of Postgraduate Institute of Science.

### Positions held and hold:

Head, Division of Microbiology (Present)

Head, Department of Oral Medicine and Periodontology

Acting Dean of the Faculty of Dental Sciences

Senior Student counselor

### Publications:

- 1 **Panagoda, G. J\***, Ellepola, A. N. B. & Samaranyake, L. P.: Adhesion to Denture acrylic Surfaces and relative cell-surface hydrophobicity of *Candida parapsilosis* and *Candida albicans*. **APMIS**. 106:00-00:**1998**
- 2 **Panagoda, G. J\***. & Samaranyake, L. P.: The relationship between the cell length, adhesion to acrylic and relative cell surface hydrophobicity of *Candida parapsilosis*. **Medical Mycology**.36: 373-378: **1998**
- 3 **Panagoda, G. J\***. & Samaranyake, L. P. A new, semi-automated technique for quantification of *Candida* adherence to denture acrylic surfaces.**Mycoses**.42:265-267:**1999**.
- 4 Ellepola, A. N. B., **Panagoda, G. J\*\***. & Samaranyake, L. P. Adhesion of Oral *Candida* species to human buccal epithelial cells following brief exposure to nystatin. **Oral Microbiol Immunol**. 14: 358-363:**1999**.
- 5 Fernando, P. H. P., **Panagoda, G. J\*\***. & Samaranyake, L. P. The relationship between the acid and alkaline phosphatase activity and the adherence of clinical isolates of *Candida parapsilosis* to human buccal epithelial cells. **APMIS**.107:1034-1042:**1999**
- 6 **Panagoda, G. J\***. Ellepola, A. N. B. & Samaranyake, L. P. Adhesion of *Candida parapsilosis* to epithelial and acrylic surfaces correlates with cell surface hydrophobicity. **Mycoses**.44:29-35:**2001**.

- 7 Ariyawardana, A., **Panagoda, G. J\*\*.**, Fernando, H. N., Ellepola, A. N. B., Tilakaratne, W. M. & Samaranyake, L. P. Oral submucous fibrosis and oral yeast carriage- a case control study in a Sri Lankan patients. **Mycoses**.50:116-120:2007.
- 8 Sitheequa, M. A. M., **Panagoda, G. J\*\*.**, Yau, J., Amarakoon. A. M. T., Udagama, U. R. N. & Samaranyake, L. P. Antifungal Activity of Black Tea Polyphenols (Catechins and Theaflavins) against *Candida* species. **Chemotherapy**.55:189-196:2009.
- 9 Jayatilake, J. A. M. S., Tilakaratne, W. M. & **Panagoda, G. J\*\*.** Candidal onychomycosis: A Mini-Review. **Mycopathologia**.168:165-173:2009
- 10 Rangama, B. N. L. D., Abayasekera, C.L., **Panagoda, G. J\*\*\*.** and Senanayake, M. R. D. M. Antimicrobial activity of Tephrosia (Linn.) Pers. and Mimusops elengi (Linn.) against some clinical bacterial isolates. **Journal of National Science Foundation Sri Lanka**. 37 (2):139-145:2009.
- 11 Jayashankar, S., Panagoda, G. J\*\*., Amarathunge, E. A. P. D., Perera, K. and Rajapakse, P. S. A randomized double-blind placebo-controlled study on the effect of a herbal toothpaste on gingival bleeding, oral hygiene and microbial variables. Ceylon Medical Journal. **56**:5-9: 2011.
- 12 Kanatiwela, K.D., Abayasekara, C.L., Adikaram, N.K.B., Parahitiyawa. N. B., Senanayake, M. R. D. M. and **Panagoda, G.J\*\*\*.** Anti-candidal activity and effect on relative cell surface hydrophobicity of *Pongamia pinnata*. African Journal of Microbiology Research. **7(23)**:2948-2956:2013.
- 13 **Panagoda, G. J\*\*.**, Fernando, P. H. P. & Samaranyake, L. P. The expression of *Candida parapsilosis* secretory aspartyl proteinase, a putative virulence factor. **Sri Lanka Dental Journal**. 37: 18-28: **2007**
- 14 **Panagoda, G. J\*.** & Samaranyake, L. P. The antifungal effect of lysozyme on *Candida parapsilosis* and *Candida albicans*. **Sri Lanka Dental Journal**. 37 (02): 80-88: **2007**.
- 15 **Panagoda, G. J\*.** & Samaranyake, L. P. Modification to the original method of Kimura and Pearsall in adherence of *Candida* species to human buccal epithelial cells. **Sri Lanka Dental Journal**. 30 (01): 36-40: **2001**.

#### Presentations

- 1 **Panagoda, G. J\*.** Samaranyake, L. P. Relative Cell Surface Hydrophobicity of *Candida parapsilosis* and *Candida albicans*. Journal of Dental Research. Volume 76 Special issue: **1997**.
- 2 **Panagoda, G. J\*.**, Fernando, P. H. P. & Samaranyake, L. P. (**1999**). The expression of *Candida parapsilosis* secretory proteinase, a putative virulence factor. Proceedings of the Faculty of Medical Sciences, University of Sri Jayawardenepura Research Sessions. August 12<sup>th</sup> -13<sup>th</sup>, p 7.
- 3 Ariyawardana, A., Vithanaarachchi, N., **Panagoda, G. J\*\*.**, Tilakaratne, W. M., Fernando, H. N. and Samaranyake, L. P. (**2004**). Oral candidal carriage in oral submucous fibrosis (OSMF) – A case control study. Proceedings of University of Peradeniya Research Sessions. November 10. Vol 9: p59.
- 4 Sitheequa, M. A. M., **Panagoda, G. J\*\*.**, Yau, J., Amarakoon, A. M. T., Udagama, U. R. N. and

- Samaranayake, L. P. (2004). A study of the antifungal activity of black tea polyphenols (Catechin and Theaflavin) against *Candida* species. Proceedings of University of Peradeniya Research Sessions. November 10. Vol 9: p52.
- 5 Aiyawardana, A., **Panagoda, G. J\*\*.**, Tilakaratne, W. M., Fernando, H. N. and Samaranayake, L. P. (2005). Oral candidal carriage in oral sumucous fibrosis (OSMF) – A case control study. Proceedings of 17<sup>th</sup> MASCC International Symposium on Supportive Care in Cancer. Geneva, Switzerland. June 30 – July 2.
  - 6 Rangama, B. N. L. D., Abayasekara, C. L. & **Panagoda, G. J\*\*\*** (2007). Antibiotic activity of *Tephrosia purpurea* (Fabaceae) and *Mimusops elengi* (Sapotaceae) against some clinical bacterial isolates. Proceedings of University of Peradeniya Research Sessions. November 30. Vol 12 (1): p55.
  - 7 Allan, S., Panagoda, G. J., Amarathunge, E. A. P. D., Perera, K. and Rajapakse, P. S. (2010) Oral Health Benefits of a toothpaste with nine medicinal herbs. July 16<sup>th</sup> .IADR General Sessions, Barcelona, Spain.
  - 8 Kanatiwela, H.M.D., Panagoda, G.J\*\*\*., Abayasekara, C.L. and Adikaram, N.K.B. and M.R.D.M. Senanayake (2010). Anti-candidal activity of some medicinal plants. Proceedings of 32<sup>nd</sup> Asia Pacific Dental Congress. 12<sup>th</sup> – 16<sup>th</sup> May.
  - 9 Kanatiwela, H.M.D., **Panagoda, G.J\*\*\*.**, Abayasekara, C.L. and Adikaram, N.K.B. (2010). Anti-candidal activity of *Pongamia pinnata*, *Syzygium aromaticum* and *Piper nigrum*. Proceedings of University of Peradeniya Research Sessions. December 16<sup>th</sup>: Vol 15 :p. 220=222.
  - 10 Kanatiwela, H.M.D., **Panagoda, G.J\*\*\*.**, Abayasekara, C.L. and Adikaram, N.K.B. (2011). Effect of Root Extracts of *Pongamia pinnata* on Cell Surface Hydrophobicity of *Candida* spp. Proceedings of University of Peradeniya Research Sessions. November 24<sup>th</sup>: Vol 16 :p. 61.
  - 11 Kanatiwela, H.M.D., Parahitiyawa, N. B., **Panagoda, G.J\*\*\*.**, Abayasekara, C.L. and Adikaram, N.K.B. (2011). Inhibition of Germ Tube Formation and Elongation of *Candida albicans* by Root Extracts of *Pongamia pinnata*. Proceedings of University of Peradeniya Research Sessions. November 24<sup>th</sup>: Vol 16 :p. 107
  - 12 Kanatiwela, K.D., Abayasekara, C.L., Adikaram, N.K.B., Parahitiyawa. N. B., Senanayake, M. R. D. M. and **Panagoda, G.J\*\*\*.** Anti-candidal activity and effect on relative cell surface hydrophobicity of *Pongamia pinnata*. African Journal of Microbiology Research. **7(23)**:2948-2956:2013.
  - 13 **Panagoda, G. J\*.**, Jayawardana S. & Widanapathirana, G. S. (1990). Microbiological quality of curd. Proceedings of the forty sixth Annual Sessions of the Sri Lanka Association of the Advancement of Science. Section D: D-28
  - 14 **Panagoda, G. J\*.**, Jayawardana S. & Widanapathirana, G. S. (1990). Effect of potassium sorbate on growth of yeasts and increasing shelf life of curd. Proceedings of the forty sixth Annual Sessions of the Sri Lanka Association of the Advancement of Science. Section D: D-29.

- 15 **Panagoda, G. J\***. & Samaranyake, L. P. (1999). The Antifungal effect of Apo-Lactoferrin and Lysozyme on *Candida parapsilosis* and *Candida albicans*. Proceedings of University of Peradeniya Research Sessions. November 20. CS3: p35.
- 16 Senanayake, M. R. D. M., Mendis, B. R. R. N., Babapulle, L. & **Panagoda, G. J\*\***. (1999). Evaluation of sarcomas seen at the General Hospital Kandy from 1977-1984. Proceedings of University of Peradeniya Research Sessions. November 20. CJ3: p48.
- 17 **Panagoda, G. J\*\***. & Senanayake, M. R. D. M. (1999). The possible hazard of pigeon droppings on the staff of the Faculty of Dental Sciences, University of Peradeniya, Sri Lanka. Proceedings of University of Peradeniya Research Sessions. November 20. PS-C4: p109
- 18 **Panagoda, G. J\*\***. Sitheequa, M. A. M., Perera, I. R. and Fernando, H. N.(1999). Isolation of non-albicans species from oral candidal infections. Proceedings of University of Peradeniya Research Sessions. November 20. PS-C5: p110.
- 19 Wijeyeweera, R. L., **Panagoda, G. J\*\***. & Fernando, H. N. (2000). Oral carriage of *Candida* isolates among a group of healthy Sri Lankan University students. Proceedings of Annual Scientific Sessions of Sri Lanka Dental Association. June: p 27.
- 20 **Panagoda, G. J\*\***. Sitheequa, M. A. M., Perera, I. R. and Fernando, H. N. (2001). Isolation of *Candida* species from oral infections of Sri Lankans. Proceedings of 79<sup>th</sup> General Session & Exhibition of IADR. March: Vol 86:Special issue.
- 21 **Panagoda, G. J\*\***., Anandamoorthy, T., Adikari, A. A. D., Kularajasingham, A. & Fernando, H. N. (2001). Denture induced stomatitis in a group of Sri Lankans. Proceedings of University of Peradeniya Research Sessions. November 16: Vol 6:p47.
- 22 **Panagoda, G. J\*\***., Tilakaratne, W. M., Jayathilake, S. & Fernando, H. N. (2002). Formalin associated candidosis of man. Proceedings of University of Peradeniya Research Sessions. October 30: Vol 7:p67.
- 23 Mukthar, A. M., Widanapathirana, G. S., **Panagoda, G. J\*\*\***. & Wijeyeweera, R. L. (2002). Does diabetes mellitus contribute to higher carriage of *Candida* among the denture wearers ?. Proceedings of University of Peradeniya Research Sessions. October 30: Vol 7:p68.
- 24 Soysa, H. N. S., Atukorala, A. D. S., Fernando, H. N., **Panagoda, G. J\*\***. & Ellepola, A. N. B. (2003). Retrospective study on Methicillin sensitivity pattern of *Staphylococcus aureus* in surgical wound infections. Proceedings of Annual Scientific Sessions of Sri Lanka Dental Association. June: p 37.
- 25 **Panagoda, G. J\*\***. Some local findings on genus *Candida* (2003). Proceedings of Aeventeenth Annual Academic Congress and First Japan Sri Lanka Bilateral Dental Congress of College of Dentistry and Stomatology of Sri Lanka. August 9-10<sup>th</sup>. Hotel Galadari, Colombo.
- 26 Atukorala, A. D. S., Fernando, H. N., Ellepola, A. N. B. & **Panagoda, G. J\*\***. (2003). Antibiotic Resistance in Nosocomial Pathogens at the Dental Hospital . Proceedings of University of Peradeniya Research Sessions. October 23: Vol 8:p58.
- 27 Soysa, H. N. S., Wettasinghe, K. A. W., **Panagoda, G. J\*\***. & Fernando, H. N. (2004). Isolation of *Candida albicans* and *Candida tropicalis* from root canals of teeth associated with apical

periodontitis. Proceedings of Annual Scientific Sessions of Sri Lanka Dental Association. June: p32.

- 29 Senanayake, M. R. D. M. & **Panagoda, G. J\*\***. (2006). Formulation of a new medium to identify the pathogenic form of *Candida*.. Proceedings of University of Peradeniya Research Sessions. November 30: Vol 11:p51.
- 30 Balasooriya, B. M. A. S., Hemalal, K. D. P., Kalhari, K. S., Rajapakse, C. N., Rajapakse, P. S., Fernando, H. N., Senanayake, M. R. D. M. & **Panagoda, G. J\*\***. (2006). Effect of a triclosan containing toothpaste on oral microorganisms. Proceedings of University of Peradeniya Research Sessions. November 30: Vol 11:p52.
- 31 Hettihewa, S. K., Kumar, N. S., Bandara, B. M. R & **Panagoda, G. J\*\***. (2008). Screening of proanthocyanidins from tea leaves for anti-bacterial activity against selected human pathogens. of Peradeniya Research Sessions. December 13 : Vol 13 :p 335.

- 32 Karunathilake, A. A. K., Kandepola, S. R. W. A. B. M. N. S., **Panagoda, G. J\*\*.**, Thevanesam, V., Kumar, N. S. and Bandara, B. M. R. (2009). Anti-candidal activity of catechins isolated from fresh tea flush, mature tea leaves and green tea. Proceedings of University of Peradeniya Research Sessions. December 3<sup>rd</sup> : Vol 14 :p. 39
- 33 Thanaraj, V. and **Panagoda, G.J\*\*\*** (2010). Antifungal activity of *Anacardium occidentale* L., *Phyllanthus emblica.*, *Azadirachta indica* A. Juss palnt extracts against clinical isolates of *Candida*. Proceedings of University of Peradeniya Research Sessions. 16<sup>th</sup> December: Vol 15:p. 235-237.
- 34 Dissanayaka, V. N., Premely, C. and **Panagoda, G. J\*\*\*.**, Determination of anti-candidal activity of selected herbal plants against some bacterial and fungal pathogens (2010). Proceedings of University of Peradeniya Research Sessions. December 16<sup>th</sup> : Vol 15 :p. 257-259
- 35 Kaushalya, B. C.. and **Panagoda, G. J\*\*\*.**, The prevalence of coliforms in raw materials in the Ramanadan hall canteen, University of Peradeniya (2010). Proceedings of University of Peradeniya Research Sessions. December 16<sup>th</sup> : Vol 15 :p. 255-256
- 36 Pradeepa, S. K. and **Panagoda, G. J\*\*\*.**, The prevalence of *Pseudomonas* spp in the oral cavity of children in the Rajawaththa village, Peradeniya (2010). Proceedings of University of Peradeniya Research Sessions. December 16<sup>th</sup> : Vol 15 :p. 250-251.
- 37 Jayaweera, D. S., Kumar, N. S., **Panagoda, G. J\*\*.**, Bandara, B. M. R and Jayasinghe, L. (2011). Bioactivity studies of some Edible Grains of Sri Lanka. Proceedings of International Symposium on Natural Products and their Applications in Health and Agriculture. 3 - 8 October. P 99
- 38 Kumbukgolla, W. W., Karunathilake, A. A. K., Thevenasam, V., **Panagoda, G. J\*\*.**, Kumar, N. S., and Bandara, B. M. R (2011). Anti-microbial activity of Tea Polyphenols Against some Clinically Important Pathogens Proceedings of International Symposium on Natural Products and their Applications in Health and Agriculture. 3 - 8 October. P 61
- 39 Nanayakkara., B. S., Abayasekara, C.L., **Panagoda, G.J\*\*\*.** Kanatiwela, H.M.D and Senanayake, M. R. D. M. (2011). Anti-Candidal Activity of *Piper betele*, *Vitex negundo* and *Jasminum grandiflorum*. Proceedings of University of Peradeniya Research Sessions. November 24<sup>th</sup>: Vol 16 :p. 108.
- 40 Rathnayake, R. M. T. P. K. and **Panagoda, G.J\*\*\*** (2012). Anti-Candidal Activity of *Acronychia pedunculata* (L.) MIQ, and *Pogostemon heyneanus* Benth, evaluation of minimum inhibitory concentration (MIC) of *A. pedunculata* (L.) MIQ and its effect on relative cell surface hydrophobicity (CSH). Proceedings of University of Peradeniya Research Sessions. 4<sup>th</sup> July 2013: Vol 17:p. 107.
- 41 Thanaraj, V. and **Panagoda, G.J\*\*\*** (2012). Anti-Candidal Activity of *Psidium guava* (L) *Syzygium cumini* and *Borasuss flabelifer* (L) Proceedings of University of Peradeniya Research Sessions. 4<sup>th</sup> July 2013: Vol 17:p. 285.

- 42 Upamalika, G. P. M. S. and **Panagoda, G.J\*\*\*** (2013). Effect of human saliva on the efficacy of plant extract of three medicinal plants against some Bacterial and Candidal pathogens. Proceedings of Sri Lanka Society for Microbiology. 2<sup>nd</sup> Annual Conference and Scientific Sessions.rch Sessions. 25<sup>th</sup> October: p. 8.
- 43 S. H. T. Sudeshika and **Panagoda, G.J\*\*\*** and I. U. K. Tennakoon (2014). Microbiological evaluation of oral liquid medicine during consumption. Proceedings of International Conference on India at the Cross Roads; the way ahead 7-8<sup>th</sup> Feb. p20-30.

### **Evaluation of Probiotic Attributes of Lactobacilli Species Isolated from Curd Samples Collected from Kandy, Sri Lanka**

MFF Shuhadha, **GJ Panagoda**, T Madhujith... - 2015 - repository.rjt.ac.lk

... Keywords: Curd Lactobacillus Probiotic attributes. Issue Date: **2015**. Publisher: Faculty of Agriculture , Rajarata University of Sri Lanka. URI: <http://repository.rjt.ac.lk/7013/2490>. ISSN: 2012-5623. Appears in Collections: 7th Annual Research Symposium **2015**. Files in This Item: ...

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### **Patents**

- 1 Discovery of anti-fungal activity of Catechins and Theaflavins (black tea components) against *Candida albicans*, *Candida parapsilosis*, *Candida tropicalis*, *Candida krusei* and *Candida glabrata*
- 2 Karanda (*Pongamia pinnata*) cream for the control of superficial infections caused by *Candida albicans*, *Candida sake*, *Candida guilliermondii*, *Candida dubliniensis* and *Pichia ohmeri*.

### **Books**

Text Book of Basic Microbiology, Published by S. Godage & Brothers (PVT) Ltd.

### **Special awards**

Three presidential awards for scientific publications