

Curriculum Vitae

Prof. J.A.C.K Jayawardena

BDS (Sri Lanka), PhD (Tokyo)

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Department of Basic Sciences
Faculty of Dental Sciences
University of Peradeniya
Sri Lanka

CONTENTS

Executive summary

Personal data

Academic, research and clinical appointments held

Teaching

Teaching experience: Undergraduate

Teaching experience: Postgraduate

Research supervision

Fellowships and consultancies

Administrative experience

Office bearers in scientific societies

Research grants

Publications

Scholarly books and monographs

Journal articles, book chapters and other published papers

Review articles (invited)

Scientific correspondence

Published abstracts

Contributions to scientific meetings

Curriculum Vitae - Executive Summary

Name	Jayasinghe Arachchigae Chantha kumudunie Jayawardena
Degrees	Bachelor of Dental Surgery (BDS) with Second Class Honours, University of Peradeniya, Sri Lanka, 1994 Doctor of Philosophy, Tokyo Medical & Dental University, Japan, 2002

Current Appointments(intra- and extramural)

Professor in Anatomy, Dept of Basic Sciences, Faculty of Dental Sciences, University of Peradeniya, Sri Lanka (10/04/2014 to Now)

Previous Appointments

1. Temporary Assistant Lecturer – Department of Oral Surgery, Faculty of Dental Sciences, University of Peradeniya, Sri Lanka (01/07/1994 to 30/09/1994)
2. Lecturer in Anatomy (probationary)- Faculty of Dental Sciences, University of Peradeniya, Sri Lanka (05/10/1994 to 30/09/1998).

3. Senior Lecturer in Anatomy, Dept of Basic Sciences, Faculty of Dental Sciences, University of Peradeniya, Sri Lanka (01/10/2002 to 09/04/2014).

Key Honours and Awards

1. Presidential Awards for Research **2003**
2. Presidential Awards for Research **2004**
3. Presidential Awards for Research **2006**
4. Presidential Awards for Research **2009**
5. Merit Awards for Research 2012, 2013
6. Academic Fellowship Award from the Commonwealth Scholarship Commission (CSC) in the United Kingdom in 2009-2010.
7. Best poster (2nd runner) at the College of Dentistry and Stomatology of Sri Lanka 17th Annual Academic Congress and first Japan Sri Lanka Bilateral Dental Congress 2003.
8. Commendable Research Paper at the Annual Scientific Research Session of University of Peradeniya 2003
9. Received a scholarship from the Ministry of Education, Science, Sports & Culture of Japan 1998- 2002
10. Received a scholarship under “Young Researchers' Project in Medicine and Dentistry – Establishing a Network of Health Care Professionals in Southeast Asia” by Tokyo Medical and Dental University, Tokyo, Japan 2012.

Previous Honorary Appointments and Key Positions

1. General secretary of Alumni Association of University of Peradeniya (Parent body - AAUP) 2012-2014
2. Vice President of Alumni Association of University of Peradeniya (Parent body -AAUP) 2010-2011

Editorial Board Memberships

1. A member of the Editorial Team of the “[International Journal of Dental Research](#)”
2. Co-editor of the editorial panel of the Proceedings of Peradeniya University Research Session 2008
3. A member of the Editorial Team of the “[The Journal of Dentist](#)”
4. A member of the Editorial Team of the “[Peertechz Journal of Forensic Science and Technology](#)” <http://www.peertechz.com/Forensic-Science-Technology/editorialboard.php>

University Examinerships (Internal and external)

Undergraduates:

1. 1st BDS examination (previously 2nd BDS) of the Faculty of Dental Sciences, University Peradeniya.
2. External examiner in Anatomy of the 2nd MBBS examination of Faculty of Medical and Allied Sciences, University of Rajarata, Sri Lanka and Faculty of Medicine, University Peradeniya.
4. External examiner in BSc (MLT) and BSc (Nursing) study programmes Allied Health Sciences, University Peradeniya
5. Teaching and evaluating trainees of Dental Auxiliary Service, Faculty of Dental Sciences, University Peradeniya.

Undergraduate Research supervision

1. Knowledge of hand hygiene in preventing transmission of gastro intestinal and upper respiratory tract infections among rural women in Dalpitiya Grama-Niladhari division of Kandy
2. Awareness about HIV/AIDS among prospective middle-east migrant workers in the central province Sri Lanka
3. Awareness on Basic Life Support among nurses in a District Hospital, Sri Lanaka
4. Study of Occupational Exposure to Blood and Body Fluids among Nursing Officers

in a District Hospital in Sri Lanka

Postgraduates:

Postgraduate Teaching

1. Member of the MCQ Core group of the MD part I Dental Surgery/selection examination of MD- Oral Surgery, MD-Orthodontics & MD-Restorative Dentistry 2003 to date
2. Examiner of selection examination of MD-Oral Surgery, MD-Orthodontics & MD-Restorative Dentistry - 2009, 2010, 2011, 2012, 2015, 2016

Postgraduate Research Supervision

The chief supervisor of the research project ““Localization of different molecular forms of cholinesterase and their role in human tooth morphogenesis”. A degree of Master of Philosophy was awarded to Dr. B.G.T.L. Nandasena in 2007.

Intra Mural Commitments (Current and Previous)

Current Appointments:

1. Convener, Library and e-learning committee of Faculty of Dental Sciences (Since 2010)
2. Acting Director of the Unit for Development of Dental Sciences Education (UDDE) since 2016
3. Activity coordinator in project implementation of QIG (Quality & Innovative Grant) Window -2 under HETC projects (2012 to date)
4. Member of the technical evaluation committee (TEC) for purchasing items (2013 to date)
6. Chair/ Registration Committee -iPURSE 2016

Previous appointments:

1. Committee member of Curriculum Reform committee and the Unit for Development of Dental Education (UDDE) (2010)

2. Committee member of Foreign Students related matters Faculty of Dental Sciences
3. Committee member of Faculty Research and Ethical Review of Faculty of Dental Sciences (2008/2009)
4. Coordinator and Resource person of 3rd World Country Training Program for Dental Education conducted by JICA Sri Lanka 2006 and 2007
5. Member of the planning committee of proposal writing for the grant which received 250 million from the QIG (Quality & Innovative Grant) Window -2 under HETC projects (2011- 2012)

Extra Mural Commitments

Current Appointments:

1. Member of the Specialty Board in Anatomy, Postgraduate Institute Medicine, University of Colombo 2009-2012
2. Assistant Secretary of Alumni Association of University of Peradeniya (Parent body - AAUP) 2015-2016
2. Member of the Sri Lanka Dental Association
3. Registered member of Sri Lanka Medical Council
4. Member of the Commonwealth Association of United Kingdom
5. Member of the Alumni Association of University of Peradeniya

Previous appointments:

2. Member of Human Anatomy and Physiology Society (HAPS) 2012-2013
3. Member of International Association for Dental Research (2000 -2003)

Research

Major Research Interests:

Innovative teaching methods and e- learning technology Learning habits (approaches) of students

Craniofacial development- odontogenesis and osteogenesis

Editorials and Leading Articles (*Peer reviewed*)

1. **Jayawardena JACK**, Hewapathirana TN, Bannaheka S, Ihalagedera D. Association of learning approaches with academic performance of Sri Lankan dental students. *Teach Learn Med* 2013; 25: 334-341
<http://www.tandfonline.com/doi/pdf/10.1080/10401334.2013.827978#.U0TNmPmSwsc>
2. Jayawardena KAS, Silva KT, **Jayawardena CK**, Samarakoon S. Behavioural risk factors of men associated with transmission of sexually transmitted infections (STIs) in Sri Lanka. *WHO South- East Asia Journal of Public Health* 2012; 1:69-75
(http://www.searo.who.int/LinkFiles/SEAJPH_SEAJPH-1-9.pdf)
3. Nandasena TL, **Jayawardena CK**, Tilakaratne WM, Nanayakkara CD. Distribution pattern of cholinesterase enzymes in human tooth germs. *Arch Oral Biol* 2010; 55:561-569 (<http://www.ncbi.nlm.nih.gov/pubmed/20627235>)
4. **Jayawardena JACK**, Hewapathirana TN, Bannaheka S, Ihalagedera D, Nanayakkara CD. Learning approaches of first year dental students in studying anatomy. in *Proceedings of the Annual Research Sessions, University of Peradeniya* 2010; 16: 593-594
5. Herath EMUCK, Nandasena BGTL, Perera K, **Jayawardena JACK**, Ihalagedera DD. Caries status and its oral health impact in a group of grade one students in semi urban area in Kandy district: A pilot study. in *Proceedings of Peradeniya University Research Sessions* 2010; 15:52-54
6. **Jayawardena C**, Nandasena T, Abeywardena A, Nanayakkara D. Regional distribution of interglobular dentine in human teeth. *Arch Oral Biol* 2009; 54:1016-21. (<http://www.ncbi.nlm.nih.gov/pubmed/19782342>)
7. **Jayawardena CK**, Abesundara AP, Nanayakkara DC, Chandrasekara MS. Age-related changes in crown and root length in Sri Lankan Sinhalese. *J Oral Sci* 2009; 51:587-92 (<http://jos.dent.nihon-u.ac.jp/journal/51/4/587.pdf>)

8. Herath EMUCK, **Jayawardena JACK**, Nagarathne SPNP. Characteristics of erupted supernumerary teeth and their effects on development of occlusion: A survey of 219 cases. in Proceedings of the Annual Research Sessions, University of Peradeniya 2009

9. **Jayawardena JACK**, Nandasena BGTL, Hewapathirana T, Nozwa-Inoue K, Nanayakkara CD, Maeda T. Development of innervation of human permanent successor tooth germs. in Proceedings of the Annual Research Sessions, University of Peradeniya 2008; 13: 123 -125.

10. **Jayawardena CK**, Takano Y. Nerve-epithelium interrelation in the periodontal ligament of guinea pig teeth. Arch Oral Biol 2006; 51: 587-595
(<http://www.ncbi.nlm.nih.gov/pubmed/16510117>)

11. **Jayawardena CK**, Takano Y. Histochemical localization of cholinesterase activity in the dental epithelium of guinea pig teeth. Anat Embryol 2004; 208: 281-287
(<http://www.ncbi.nlm.nih.gov/pubmed/15224211>)

12. Takano Y, Sakai H, Watanabe E, Ideguchi Ohma N, **Jayawardena CK**, Arai K, Asawa Y, Nakano Y, Shuda Y, Sakamoto Y, Terashima T. Possible role of dentin matrix in region-specific deposition of cellular and acellular extrinsic fibre cementum. J Electron Microsc 2003; 52: 573-580.
(<http://www.ncbi.nlm.nih.gov/pubmed/14756246>)

13. **Jayawardena CK**, Takahashi N, and Takano Y. A unique localization of mechanoreceptors in the periodontal tissue of guinea pig teeth. Arch. Histol. Cytol. 2002; 65: 233-244. (<http://www.ncbi.nlm.nih.gov/pubmed/12389662>)

14. **Jayawardena CK**, Takahashi N, Watanabe E and Takano Y. On the origin of intrinsic matrix of acellular extrinsic fiber cementum: Studies on growing cementum pearls of normal and bisphosphonate-affected guinea pig molars. Eur J Oral Sci 2002; 110: 261–269. (<http://www.ncbi.nlm.nih.gov/pubmed/12120713>)

15. **Jayawardena CK**, and Takano Y. Stage-specific contribution of cholinesterase in amelogenesis of guinea pig teeth. Proc International Symposium on Tooth structure and Evolution Odontology Japan 2002

16. **Jayawardena C**, Takahashi N, Uchida T, Takano Y. Effects of systemic administration of a potential mineralization inhibitor on cementum pearl formation in guinea pig molars. in Proceedings of the Asian Science seminar, August 27-September 5, Okayama, Japan 2000. P 7-1 to 7-5.
17. **Jayawardene J. A. C. K.**, Chandrasekera M, Nanayakkara D, Molligoda H. D. A. S. Comparison of the radiological and true dimensions of the root canal of permanent maxillary incisors. Sri Lanka Morphometry of the permanent maxillary incisors using clinical and radiological methods. Sri Lanka Dental Journal. 1998; 27: 70-77.

Major Scholarly Books

1. Theory and Practice of Tissue Processing and Microscopy by Chantha Jayawardena (ISBN 978-955-41063-1-4)
2. Saminda Kuruppu, Chantha K. Jayawardena (2015) Knowledge and Attitudes of Primary School Teachers about Stuttering Children in Sri Lanka In Eds St. Louis, K. O. (Ed.). Stuttering meets stereotype, stigma, and discrimination: An overview of attitude research. Morgantown, page 205- 215 WVU In Press.

Contributions to Scientific Meetings

1. Asian Science Seminar, Okayama, Japan 2000 to do an oral presentation on “Effects of systemic administration of a potential mineralization inhibitor on cementum pearl formation in guinea pig molars” 22nd Asia Pacific Dental Congress, Tokyo Japan 2000.
3. 7th International Conference on Tooth Morphogenesis and Differentiation, France 2001 to do a poster presentation on “Role of dentin matrix on cellular and acellular cementum formation”
4. 43rd General Meeting of the Japanese Association for Oral Biology, Ohmiya City, Japan 2001 to do a poster presentation on “Retention of enamel matrix proteins and induction of cartilage formation in the periodontal ligament of HEBP-affected guinea pig molars”
5. International Association of Dental research (IADR) Chiba, Japan 2001 to do a poster presentation on “Cementum pearl formation in HEBP-affected guinea pig molars”
6. International Association of Dental research (IADR) Sandiego, USA 2002 to do an oral presentation on “Unique distribution of mechanoreceptors in the periodontal tissue of guinea pig teeth”

7. Odontology 2002 Karuizawa Japan 2002 to do an oral presentation on “Stage-specific contribution of cholinesterase in amelogenesis of guinea pig teeth”
 8. 8th International Conference on Tooth Morphogenesis and Differentiation York, UK 2004 to do a poster presentation on “Localization of cholinesterase enzyme and its putative role in the human tooth morphogenesis”
 9. Oral and Craniofacial Biology Symposium Missouri, USA 2006 to do a poster presentation on “Cholinesterase enzyme activity in bone cells during osteogenesis”
 10. Oral and Craniofacial Biology Symposium Missouri, USA 2006 to do a poster presentation on “Localization of acetylcholinesterase and acetylcholine receptor in human tooth morphogenesis”
 11. 5th Triennial meeting of the Commonwealth Dental Congress Colombo, Sri Lanka 2006 to do an oral presentation on “The non-neuronal cholinergic system in odontogenesis”
 12. 6th congress of Asian Medical Education Association Kula Lumpur Malaysia 2011 to do a poster presentation on “Learning Approaches of first year Dental Students”
 13. 6th congress of Asian Medical Education Association Kula Lumpur Malaysia 2011 to do a poster presentation on “Perceptions and experiences in learning anatomy among Sri Lankan”
 14. 25th Annual Conference of human anatomy & physiology society Victoria, Canada 2011 to do a poster presentation on “Approaches to learning during first year and their correlation to academic performance in anatomy among Sri Lankan dental students”
5. A resource person at the “Table Clinic on Parotid March” which is a CPD programme conducted during the scientific session of the first Japan Sri Lanka Bilateral Dental Congress organized by the College of Dentistry & Stomatology in August 2003.
 6. A resource person at the first workshop on “Plastination Technique & Museum Specimen Preparation” organized by the Div of Anatomy Dept of Basic Science, Faculty of Dental Sciences in collaboration with JICA in January 2003.
 7. A resource person in the course of “Effective Teaching in Dental Sciences” conducted under the “Third Country Training Programme (TCTP) in “Oral Health Promotion” organized by the Faculty of Dental Sciences in Collaboration with JICA in October 2005.
 8. A resource person in the course of “Effective Teaching Aids for Oral Health Promotion” conducted under the “Third Country Training Programme (TCTP) in “Oral Health

Promotion” organized by the Faculty of Dental Sciences in Collaboration with JICA in November 2007.

9. A resource person of the training workshop on “Blended Learning using Moodle and Web blog” conducted for the academic staff of the Faculty of Dental Sciences under the HETC/UDG/ICT Project – 24th July 2013.
10. A resource person of the User Awareness seminar on Resources and Retrieval of Health Information conducted for 2nd BDS students –11th February 2014.
11. A resource in the short courses conducted by College of Stomatology Sri Lanka for MD part I (Preparatory course for MD-Oral Surgery, MD-Orthodontics & MD-Restorative Dentistry) postgraduate students by conducting numbers of sessions of lectures and practical classes since 2003.
12. A resource in the workshop conducted by the Open University of Sri Lanka in partnership with the Commonwealth of Learning, Vancouver, Canada in reforming the document of “Quality Assurance Framework for Open and Distance Learning Institution in Sri Lanka & Manual for Self Evaluation” held from November 30 –December 02, 2005.
13. The chairperson of the committee on “Structure and Functions of the Oro-Facial Region” in the 7th Medical Exhibition held from 11-18 August 2003.
14. A resource person in the 6th IVDENT contributors’ Meeting held on November 2009 at Kings College London
<http://www.kcl.ac.uk/dentistry/news/records/2009/nov/ivdentmeeting.aspx>
15. Guest lecture “Role of Cholinesterase on Tooth Development” Faculty of Dentistry, International Islamic University of Malaysia 2011.