

PHOTO

T SUDINI R FERNANDO

LECTURER

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EVENTS/ UPDATES

AREAS OF EXPERTISE

- Molecular Biology & Biotechnology

RESEARCH INTEREST

- Cell Biology, Molecular biology & Biotechnology, Reproductive toxicology, Endocrinology

MEMBERSHIPS

Committees

- Sri Lanka Association of Animal Production- Life Member
- Sri Lanka Association for the Advancement of Science-Life Member
- European Society of Human Reproduction & Embryology (ESHRE)- Student Member
- Hong Kong Society of Endocrinology, Metabolism & Reproduction- Student Member
- American Embryo Transfer Association- Student Member

PUBLICATIONS

Full papers

Sudini Fernando, Pomgsopee Attasart, Rapeepan Vanichviriyakit, Salin R Krishna, Boonsirm Withyachumnarnkul (2018), **Presence of *Penaeus monodon* densovirus in the ovary of chronically infected *P. monodon***, Diseases of Aquatic Organisms, vol 129, 183-191

Chompoonut Kerdmusik , **Sudini Fernando**, Pongsopee Attasart, Rapeepun Vanichviriyakit, Nurainee Boonya, Pattira Pongtippatee, Salin Krishna, Boonsirm Withyachumnarnkul, (2018), **Needle biopsy of the hepatopancreas of the black tiger shrimp *Penaeus monodon* with *Penaeus monodon* densovirus detection**, Aquaculture, 490;1-4

Abstracts (selected)

SR Fernando, BPC Wong, KL Kwok, YL Lee, EHY Ng, WSB Yeung and KF Lee (2019), **Membrane expression of PDIA1 & PDIA6 regulated by steroid hormones affects spheroid attachment on to human endometrial epithelial cells**, 35th Annual Meeting of ESHRE, Vienna, Austria

SR Fernando, BPC Wong, YL Lee, EH Ng, WSB Yeung and KF Lee (2018), **Differential expression of PDIA1 and PDIA6 in endometrial cell lines and their suppressive effect on spheroid attachment**, 23rd Research Postgraduate Symposium, LKS Faculty of Medicine, The University of Hong Kong, Dec 2018, Hong Kong, (Best poster presentation)

SR Fernando, BPC Wong, YL Lee and KF Lee (2018), **Role of endometrial PDIA1 and PDIA6 expression on regulating embryo implantation: In vitro co-culture study**, Annual Scientific meeting of Hong Kong Society of Endocrinology, Metabolism and Reproduction, Nov 2018, Hong Kong.

K.G.S Madushanka, **Sudini R. Fernando**, P.B.A.I.K. Bulumulla, S.C.Jayamanne, **Analysis of Morphological Variation in Four Populations of Wild Guppy (*Poecilia reticulata*) - Sri Lanka**, 4th International Conference on Chemical, Agricultural and Biological Sciences (CABS-2017) , Kuala Lumpur, Malaysia

N.W.N.P. Nugapola, P.B.A.I.K. Bulumulla, **T.S.R. Fernando**, R.J. Illeperuma, **Evaluation of DNA Markers for cattle identification- Research towards Animal Forensics in Sri Lanka**, Annual Sessions of the Medico Legal Society of Sri Lanka

A.K. Nanayakkara, M.M.E. Munasinghe, N.P. Kaluarachchi, P.B.A.I.K. Bulumulla, **T.S.R. Fernando**, N.V. Chandrasekara, S.G. Senarathne, **Development of a PCR assay for the detection of Dog meat adulteration in mutton**, Proceedings of the 69th Annual Sessions, Sri Lanka Association for the Advancement of Sciences, Sri Lanka

N.W.N.P. Nugapola, P.B.A.I.K. Bulumulla, **T.S.R. Fernando**, R.J. Illeperuma, **Development of standard DNA size markers for Short Tandem Repeat loci BM1818 and BM1824 of cattle DNA typing in Sri Lanka**, Proceedings of the Research Symposium 2013, Uva Wellasa University of Sri Lanka

M. M. E. Munasinghe, A. K. Nanayakkara, D.P.D.C. de Silva, K.G.W.W. Bandara, P. B. A. I. K. Bulumulla, **T. S. R. Fernando**, A. M. Samaraweera and S.G. Senaratne, **Identification of different meat varieties and**

determination of meat adulteration using a Polymerase Chain Reaction based method, Proceedings of the Research Symposium 2013, Uva Wellassa University of Sri Lanka

G.R.M.N. Godagama , **T.S.R. Fernando** , P.B.A.I.K. Bulumulla and S.C. Jayamanne, **Determination of Morphological and Genetic Diversity of Wild Guppy (*Poecilia reticulata*) in Sri Lanka across the MHC Complex with special reference to class IIB region** , Proceedings of the Research Symposium, Uva Wellassa University of Sri Lanka

RESEARCH PROJECTS

Ongoing : Role of endometrial PDI on endometrial receptivity and implantation in collaboration with Faculty of Medicine, University of Hong Kong, Hong Kong

Completed:

Trans-ovarian transmission of *Penaeus monodon* densovirus in black tiger shrimp *Penaeus monodon* in collaboration with Asian Institute of Technology, Thailand, Institute of Molecular Sciences; Mahidol University, Thailand & Centre of Excellence for Shrimp Molecular Biology & Biotechnology (CENTEX-shrimp), Faculty of Science, Mahidol University, Thailand (2015-2017)

Genetic Variations in traits associated with disease resistance in wild guppy and ornamental guppy in Sri Lanka, National Agricultural Research Plan (NARP, Sri Lanka), (2012-2014)

AWARDS AND SCHOLARSHIPS

AIT Fellowship for Postgraduate Study, 2015

PhD Fellowship in University of Hong Kong, 2017

Outstanding poster presenter, Research Postgraduate Symposium, 2018, Faculty of Medicine, University of Hong Kong

Vice Chancellor's award in Uva Wellassa University of Sri Lanka (2010) for the Best Performance in Animal Science, 2010

TRAININGS

- Molecular Biological Techniques at Institute of Molecular Sciences, Mahidol University, Thailand (1st July 2016-31st December 2016)
- Animal and Human molecular biology, Genetech Molecular Diagnostics Centre, Sri Lanka (August - December 2009)

- Animal cell culture technologies at Institute of Biochemistry, Molecular biology & Biotechnology, University of Colombo, Sri Lanka (24th May to 29th May 2015)

CAREER HISTORY

Duration		Capacity	Institute
From	To		
2017	Present	Graduate Research Student	Faculty of Medicine, University of Hong Kong
2015	2017	Research Student	Asian Institute of Technology, Thailand

TEACHING

Uva Wellassa University

- *Lecturer (2013 to present)*
- *Temporary Lecturer (2012 to 2013)*
- *Temporary Demonstrator (2011 to 2012)*