Curriculum Vitae

NIHAL DHARMASIRI
Department of Biology
Texas State University
San Marcos, TX 78666

Educational Background:

University of Peradeniya, Sri Lanka	Botany	BSc.	1982
University of Peradeniya, Sri Lanka	Botany	M.Phil.	1988
University of Hawaii,	Plant Molecular Biology	Ph.D.	1995
University of Hawaii,	Plant Molecular Biology	Jr. Researcher	1996 - 1999
University of Texas, Austin	MCDB	Postdoc	1999 - 2001
Indiana University, Bloomington	Biology	Postdoc	2001 - 2005

Appointments:

Associate Professor, Dept. of Biology, Texas State University, San Marcos	2011- present
Assistant Professor, Dept. of Biology, Texas State University, San Marcos	2005-2011
Postdoctoral Research Associate, Dept. of Biology, Indiana University & MCDB, University of Texas, Austin	1999-2005
Postdoctoral Research Associate, University of Hawaii, Honolulu	1998-1999
Junior Researcher, University of Hawaii, Honolulu	1995-1998

Fellowships, Awards, Honors:

2010 - Runner-up for the Presidential award for excellence in scholarly/creative activities, Texas State University-San Marcos.

2009 – National Science Foundation CAREER award.

2009 - Runner-up for the Presidential award for excellence in scholarly/creative activities, Texas State University, San Marcos.

2006 - Runner-up for the Presidential award for excellence in scholarly/creative activities, Texas State University, San Marcos.

2005 – Science citation. Runner-up # 2, Breakthrough Research in Science 2005.

2005 – Dharmasiri et al. (2005) Nature. This paper was cited as number 1 of the top ten papers in Biology by the Faculty of 1000.

2005 – Dharmasiri et al (2005) Dev. Cell. This paper was cited among the most viewed top ten papers in Biology by the Faculty of 1000.

2003 - Dharmasiri et al. (2003) Curr. Biol. This paper was cited among top ten papers in biology by Faculty of 1000

Courses and Curriculum Development:

1) BIO 4455/5356 – Plant Physiology – 2019: Texas State University – San Marcos
2) BIO 7103D - Molecular Biology of the Cell – 2009 Fall: Texas State University-San Marcos.
3) BIO 7103F - Molecular Genetics of Plant development – 2010 Spring: Texas State University - San Marcos.
4) BIO 3465 - Plant Physiology – 2007 Fall: Texas State University, San Marcos.
5) BIO 5350 - Topics in Physiology (Methods in Plant Molecular Biology) – 2006

Fall: Texas State University, San Marcos.

6) BIO 3490 - Principles of Developmental Biology – 2006 Spring: Texas State University, San Marcos

7) BIO 4350 - Developmental Biology – 2005 Fall: Texas State University, San Marcos.

8) BIO 7360P - Regulation of Plant Growth and Development.- 2005 Fall: Texas State University, San Marcos.

9) PMP670 - Plant Cell Physiology – 1996, Spring: University of Hawaii, Honolulu.

Relevant publications:

Kathare PK, Dharmasiri S, Arellano I, Dharmasiri N. (2020) Interaction of SAUR53 and its close homologs with Calmodulin may play a role in early development in Arabidopsis. ***Plant Mol. Biol. Rep***. **38**; 343–351. DOI: 10.1007/s11105-020-01199-x.

Kathare PK, Dharmasiri S, Vincil ED, Routray , Ahmad I, Roberts DM, Dharmasiri N. (2019) Arabidopsis PIC30 encodes a Major Facilitator Superfamily (MFS) transporter responsible for the uptake of picolinate herbicides. ***Plant J***. DOI: 10.1111/tpj.14608.

Kathare PK, Dharmasiri S, Dharmasiri N (2018) SAUR53 regulates organ elongation and apical hook development in Arabidopsis. ***Plant Signaling & Behavior***. DOI: 10.1080/15592324.2018.1514896.

Kathare PK, Cioffi T, Dharmasiri N and Dharmasiri S (2017). Auxin. In eLS. DOI: 10.1002/9780470015902.a0020090.pub2.

Jayaweera T, Siriwardana C, Dharmasiri S, Quint M, Gray WM and Dharmasiri N (2014) Alternative splicing of Arabidopsis *IBR5* pre-mRNA generates two IBR5 isoforms with distinct and overlapping functions. ***PLoS ONE***. 9(8): e102301. doi:10.1371/journal.pone.0102301

Dharmasiri S, Jayaweera T Dharmasiri N (2013) Plant Hormone Signalling: Current Perspectives on Perception and Mechanisms of Action. **Cey. J. Sci. (Bio Sci.)**. 42: 1-17.

Dharmasiri S, Harrington HM, Dharmasiri N. (2009) Heat shock modulates phosphorylation status and activity of nucleoside diphosphate kinase in cultured sugarcane cells. ***Plant Cell Report.*** 29: 1305-1314.

Navarro L., Dunoyer P., Jay F., Dharmasiri N., Estelle M., Voinnet O., Jones J.D.G. (2006) A plant miRNA contributes to antibacterial resistance by repressing auxin signaling. ***Science*** 312: 436-439.

Savaldi-Goldstein S, Baiga TJ, Pojer F, Dabi T, Butterfield C, Parry G, Santner A, Dharmasiri N, Tao Y, Estelle M, Noel JP, Chory J. (2008) New auxin analogs with growth-promoting effects in intact plants reveal a chemical strategy to improve hormone delivery. **PNAS** 105: 15190-15195.

Dharmasiri S., Swarup R., Mockaitis K., Dharmasiri N., Sing S.K., Kowalchyk M., Merchant A., Sandberg G., Bennett M.J. (2006) AXR4 is required for asymmetric localization of the auxin influx facilitator AUX1. ***Science*** 312: 1218-1220.

Dharmasiri N., Dharmasiri S., Wejers D., Karunarathna N., Jurgens G, Estelle M. (2007) AXL1

and AXR1 have redundant functions in RUB conjugation and growth and development of Arabidopsis. ***Plant J.*** 52: 114-123.

Dharmasiri N, Dharmasiri S, Weijers D, Lechner E, Yamada M, Hobbie L, Ehrismann JS, Jurgens G, Estelle M. (2005) Plant Development Is Regulated by a Family of Auxin Receptor F Box Proteins. ***Dev. Cell*** 9:109-119.

Dharmasiri N., Dharmasiri S. and Estelle M. (2005) The F-box protein TIR1 is an Auxin receptor. ***Nature*** 435: 441-445.

Dharmasiri N. and Estelle, M. (2004) Auxin signaling and regulated protein degradation. ***Trends Plant Sci***. 9:302-308.

Dharmasiri N, Dharmasiri S, Jones AM, Estelle M. (2003) Auxin action in a cell-free system. ***Curr. Biol.*** 13: 1418-22.

Patents:

Dharmasiri N**,** Dharmasiri S and Kathare P (2018) Development and use of modified plants and seeds that are resistant to picolinate herbicides and environmental stress.