

TEXAS STATE VITA

I. Academic/Professional Background

A. Name: Nihal Dharmasiri Title: Associate Professor of Biology

B. Educational Background

Degree	Year	University	Major	Thesis/Dissertation
Ph.D.	1995	Univ. of Hawaii Honolulu, USA	Plant Molecular Biology	Molecular cloning and characterization of a heat-shock induced calmodulin binding protein gene and cDNAs encoding glutamate decarboxylase from tobacco
M.Phil.	1988	Univ. of Peradeniya, Sri Lanka	Plant Pathology	A study on papaya anthracnose caused by <i>Colletotrichum gloeosporioides</i> (Penz.) Sacc. and <i>C. capcici</i> (Syd.) with special reference to its latent phase.
B.Sc.	1982	Univ. of Peradeniya, Sri Lanka	Botany (Hons)	n/a

C. University Experience

Position	University	Dates
Associate Professor	Texas State University- San Marcos	2011 - todate
Assistant Professor	Texas State University- San Marcos	2005 -2011
Postdoctoral Research Assoc.	Indiana University, Bloomington & University of Texas, Austin	1999 – 2005
Postdoctoral Research Assoc.	University of Hawaii, Honolulu	1998 – 1998
Junior Researcher	University of Hawaii, Honolulu	1996 – 1997
Graduate Research Assistant	University of Hawaii, Honolulu	1992 - 1995

D. Relevant Professional Experience

Position	Entity	Dates
Graduate Teaching Assistant	University of Hawaii, Honolulu	1990 - 1992
Research Officer	Ceylon Institute of Scientific & Industrial Research, Colombo, Sri Lanka	1983 - 1989
Assistant Lecturer	University of Peradeniya, Sri Lanka	1982 - 1983

II. TEACHING

A. Teaching Honors and Awards: none

B. Courses Taught:

(I) Lecture courses:

Molecular Genetics of Plant Development (Bio7103F) – 2010 Spring

Molecular Biology of the Cell (Bio 7103D) – 2009 Fall.

Seminars in Molecular & Cellular Biology (Bio 7102) – 2006 & 2007 (Fall), 2008, 2009, 2010 Spring/Fall, 2011 Spring/Fall, 2012 Spring/Fall, 2013 Spring/Fall -Texas State University-San Marcos.

Principles of Developmental Biology (Bio 3490) – 2007, 2008, 2009, 2010, 2011, 2012, 2013 (Spring): Texas State University-San Marcos.

Plant Physiology (Bio 3465) – 2007, 2008, 2009, 2010, 2011, 2012, 2013 (Fall): Texas State University – San Marcos.

Methods in Plant Molecular Biology (Bio 5350) – 2006 (Fall): Texas State University – San Marcos.

Developmental Biology (Bio 4350) – 2006 (Spring): Texas State University – San Marcos.

Plant Cell Physiology (PMP 670) – 1996 (Spring): University of Hawaii, Honolulu.

(II) Laboratory courses:

Undergraduate Research (Bio 4299) – 2006 Spring to present: Texas State University – San Marcos.

Research Experience (Bio 7214) – 2008 Spring: Texas State University – San Marcos.

Dissertation (Bio 7399A) – 2009 – present: Texas State University – San Marcos.

Problems in Aq. Research (Bio 7302) – 2006 Fall to present: Texas State University – San Marcos.

Research (Bio 7303) – 2008 Spring - present: Texas State University – San Marcos.

Research Experience (Bio 5114) - 2006 Spring to present: Texas State University – San Marcos.

Research Experience (Bio 5214) - 2006 Spring to present: Texas State University – San Marcos.

Research Experience (Bio 5314) – 2006 Fall to present: Texas State University – San Marcos.

Thesis (Bio 5399A) – 2007 Fall to present: Texas State University – San Marcos.

Thesis (Bio 5399B) - 2008 Spring & Summer, 2009 Spring, 2011 Spring and 2012

Spring : Texas State University – San Marcos.

C. Graduate Theses/Dissertations or Exit Committees (if supervisor, please indicate):**Major Advisor:**

- Praveen Kumar Kathare - (PhD) Functional characterization of *SAUR* genes in plant auxin response (completed 2015).
- Chandima Dhanapala - (PhD) - Hormonal regulation of plant development (Student from University of Colombo, Sri Lanka)(*Co-advisor*)
- Thilanka Jayaweera - (PhD) - Functions of *IBR5* gene in plant growth and development.
- Nirmala Karunarathna - (PhD) - Functions of *IAA28* in growth and development in *Arabidopsis thaliana* (completed 2012).
- Damian Raymond - (MS) - Functional characterization of *PIC30* homolog in *Arabidopsis* (completed 2015).
- Prabesh Ghimire - (MS) - Functions of *ARA2* gene in plant auxin response (completed 2015).
- Lauren Minter - (MS) - Characterization of *AFB5* in plant hormone/stress Responses (completed 2015).
- Elia Lopez - (MS) - Integration of two auxin signaling pathways through *ROP* GTPases.
- Yuting Hou - (MS) - Characterization of *pic7* gene functions in *Arabidopsis* hormone response (completed 2012).
- Thilanka Jayaweera - (MS) - Regulation of auxin receptor gene family by hormonal and abiotic stress (completed 2011).
- Chamindika Siriwardana - (MS) - Characterization of two picloram resistant mutants from *Arabidopsis thaliana* (completed 2009)
- Nirmala Karunarathna - (MS) - Isolation and characterization of *Arabidopsis* mutants with altered response to auxin (picloram) (completed 2008)

Committee member

- April Bonnard (MS) - Characterization of chromatin remodeling factors in plant immunity - Biology
- Ji-Chul Nam (PhD) - The *Arabidopsis* Mediator Complex Subunit9, a *MORC1* interacting protein, is a positive regulator of plant immunity
- Yogendra Bordia (PhD) - Characterization of chromatin dynamics under biotic stress in *Arabidopsis* - Biology
- Rupesh Agrahari (MS) - Applications of Bayesian networks models in studying Acute Myeloid Leukemia (AML) - CS
- Alicia Taylor (MS) - Nanoparticle influence on bacterial mutagenesis (completed 2010)-Biology.
- Matthew Kay (MS) - *W60* and *PB-1* phage infection in *Escherichia coli* and *Pseudomonas aeruginosa* in mixed biofilm communities. (completed 2010)- Biology
- Robert C. DeLeon (MS) - In vivo modulation of redox and nitric oxide signaling by Lamiceae phytochemicals. - FCS
- Elizabeth Capalbo (MS) - Diurnal and circadian rhythms in the retina of Zebrafish (completed 2009). – Biology
- Sunni Taylor - (MS) - Reproductive isolation and hybrid speciation in Louisiana Iris. (completed 2008). - Biology

- Katie E. Soul - (MS) - Differential gene expression in *Danio rerio* during optic nerve regeneration (graduated 2008) - Biology
- Shobhit Sharma - (MS) - Regulation of pigment granule movement in bluegill RPE. - Biology
- Varsha Radhakrishnan – (MS) - Molecular characterization and expression of G_{q11} protein in fishes. (completed 2007). - Biology

D. Courses Prepared and Curriculum Development:

- 1) BIO 7103D - Molecular Biology of the Cell – 2009 Fall: Texas State University-San Marcos.
- 2) BIO 7103F - Molecular Genetics of Plant development – 2010 Spring: Texas State University - San Marcos.
- 3) BIO 3465 - Plant Physiology – 2007 Fall: Texas State University, San Marcos.
- 4) BIO 5350 - Topics in Physiology (Methods in Plant Molecular Biology) – 2006 Fall: Texas Sate University – San Marcos.
- 5) BIO 3490 - Principles of Developmental Biology – 2006 Spring: Texas State University, San Marcos
- 6) BIO 4350 - Developmental Biology – 2005 Fall: Texas State University, San Marcos.
- 7) BIO 7360P - Regulation of Plant Growth and Development.- 2005 Fall: Texas State University, San Marcos.
- 8) PMP670 - Plant Cell Physiology – 1996, Spring: University of Hawaii, Honolulu.

- 1) Funded External Teaching Grants and Contracts: none
- 2) Submitted, but not Funded, External Teaching Grants and Contracts: none
- 3) Funded Internal Teaching Grants and Contracts: none
- 4) Submitted, but not Funded, Internal Teaching Grants and Contracts: none
- 5) Other

III. SCHOLARLY/CREATIVE

A. Works In Print

1. Books (if not refereed, please indicate)
 - a. Scholarly Monographs: none
 - b. Textbooks: none
 - c. Edited Books: none
 - d. Chapters in Books: none
 - e. Creative Books: none

2. Articles

a. Refereed Journal Articles:

Jayaweera T, Kathare P, Dhanapala C, Lopez E, Dharmasiri S, Xiaopeng L and Dharmasiri N. Calcium/calmodulin regulate plant auxin response through the dual specificity phosphatase IBR5. *Plant J.* (submitted).

Jayaweera T and **Dharmasiri N** Expression of *TIR1/AFBs* gene family is differentially regulated by other plant hormones and abiotic stress. *In revision*.

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, and **Dharmasiri N**. (2013) Plant hormone signaling: Current perspectives on perception and mechanisms of action. *Cey. J. Sci.(Bio Sci.)* 1-17 (Lead article).

Taylor AA, Aron GA, Beall GW, **Dharmasiri N**, Zhang Y, McLean RJC (2012) Carbon and Clay Nanoparticles Induce Minimal Stress Responses in Gram Negative Bacteria and Eukaryotic Fish Cells. *Environmental Toxicology*. 29: 961-968.

Dharmasiri S, Harrington HM, **Dharmasiri N**. (2010) Heat shock modulates phosphorylation status and activity of nucleoside diphosphate kinase in cultured sugarcane cells. *Plant Cell Rep*. 29:1305-1314.

Savaldi-Goldstein S, Baiga TJ, Pojer F, Dabi T, Butterfield C, Parry G, Santer 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. *Proc Natl Acad Sci. USA* 105: 15190-15195.

Dharmasiri N., Dharmasiri S., Weijers D., Karunarathne N., Jurgen G. and Estelle M. (2007) AXL1 and AXR1 have redundant functions in RUB conjugation and growth and development in Arabidopsis. *Plant J*. 52:114-123.

Dharmasiri S, Swarup R, Mockaitis K, **Dharmasiri N**, Singh SK, Kowalchuk M, Marchant A, Sandberg G, Bennett M, Estelle M. (2006) AXR4 is required for asymmetric localization of the auxin influx facilitator AUX1. *Science* 312: 1218-1220. (*Editor's choice. Paper was cited among top 10 papers in biology by Faculty of 1000*)

Navarro L., Dunoyer P., Jay F., Arnold B., **Dharmasiri N.**, Estelle M., Voinnet O., Jones J.D.G (2006) A plant MiRNA contributes to Arabidopsis basal resistance by repressing Auxin signaling. *Science* 312: 436-439. (*Editor's choice*).

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. (*This paper was cited among most viewed top ten papers by Faculty of 1000*).

Dharmasiri N., Dharmasiri S. and Estelle M. (2005) The F-box protein TIR1 is an auxin receptor. *Nature* 435: 441-445. (*Editor's choice. This paper was ranked number 1 of the top ten biology papers in June 2005 by Faculty of 1000*)

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

Xiaoqing Yang X., Lee S., Soo J-H, Dharmasiri S., **Dharmasiri N.**, Lei G., Jensen C., Hangarter R., Hobbie L. and Estelle M. (2004) The IAA1 protein is encoded by AXR5 and is a substrate of SCF^{TIR1}. *Plant J.* 40:772-782.

Dharmasiri N, Dharmasiri S, Jones AM, Estelle M. (2003) Auxin action in a cell-free system. *Curr Biol.* 13(16): 1418-22. (*This paper was cited among top ten papers in biology by Faculty of 1000*).

Hellmann H, Hobbie L, Chapman A, Dharmasiri S, **Dharmasiri N**, del Pozo C, Reinhardt D, Estelle M. (2003) Arabidopsis AXR6 encodes CUL1 implicating SCF E3 ligases in auxin regulation of embryogenesis. *EMBO J.* 22(13): 3314-25.

Dharmasiri S, **Dharmasiri N**, Hellmann H, Estelle M. (2003) The RUB/Nedd8 conjugation pathway is required for early development in Arabidopsis. *EMBO J.* 22(8): 1762-70.

Liu S, Bugos RC, **Dharmasiri N**, Su WW. (2001) Green fluorescent protein as a secretory reporter and a tool for process optimization in transgenic plant cell cultures. *J Biotechnol.* 87(1): 1-16.

Lu, Y.T., **Dharmasiri, M.A.N.**, and Harrington, H.M. (1995) Characterization of a cDNA encoding a novel heat-shock protein that binds to calmodulin. *Plant Physiol.* 108: 1197-1202.

Harrington, H.M., Dash, S., **Dharmasiri, N.** and Dharmasiri, S (1994) Heat-shock proteins: Search for functions. *Australian J. Plant Physiol.* 21: 843-855.

b. Non-refereed Articles:

Dharmasiri, M.A.N. (1987) Cultivation of edible mushrooms. *Bio News.* News letter of the Institute of Biology of Sri Lanka. 3(1): 18-24.

3. Abstracts:

Dharmasiri S, Kathare PK, Ginsberg E, Dharmasiri N (2015) Characterization of an Arabidopsis picloram transporter and its tomato homolog for developing herbicide and drought resistance in crop plants. *42nd Annual Conference of Plant Growth Regulation Society of America, Kona, Hawaii.*

Lopez E, Kathare PK, Jayaweera T, Ghimire P, Siepert N, Raymond D, Minter L, Dharmasiri S, **Dharmasiri N** (2015) Regulation of plant auxin response by IBR5, a dual specificity phosphatase. *42nd Annual Conference of Plant Growth Regulation Society of America, Kona, Hawaii.*

Dharmasiri N, Kathare PK, Jayaweera T, Lopez E, Ghimire P, Siepert N, Raymond D, Minter L, Dharmasiri S (2015) Regulation of plant auxin response by IBR5, a dual specificity phosphatase. *ASPB (Southern Section) meetin, Dauplin Island, AL.*

Jayaweera T, Hou Y, DiGiovanni J, Hall J, Minter L, Dharmasiri N (2015) Genetic interaction of HY5 and IBR5 link light and hormonal signaling pathways. *ASPB Annual Conference, Minneapolis, MN.*

Kathare PK, Dharmasiri S, **Dharmasiri N** (2014) PIC82 is a membrane protein involved in picloram transport. *ASPB Annual Conference, Portland, OR.*

Jayaweera T, **Dharmasiri N** (2014) 26S proteasome pathway regulates IBR5.1 protein level in Arabidopsis. *ASPB Annual Conference, Portland, OR.*

Dharmasiri N, Hou Y, Dharmasiri S, Villarreal J, Karunarathna N (2013) Auxin resistant mutant *pic7-1* functions in multiple hormone response pathways. *ASPB (Southern Section) meeting, Little Rock, AR.*

Kathare PK, Dharmasiri S, Jayaweera T, Minter L, **Dharmasiri N**. (2013) SAUR53 is involved in organ expansion and apical hook development. *ASPB (Southern Section) meeting, Little Rock, AR.*

Jayaweera T, Dharmasiri N (2013) Expression of TIR1/AFB auxin co-receptors are differentially regulated by other plant hormones and abiotic stress. *ASPB (Southern Section) meeting, Little Rock, AR.*

Jayaweera T, Chandima Dhanapala, **Dharmasiri N** (2013) Calcium signaling regulates plant auxin response through the dual specificity phosphatase. *ASPB Annual Conference, Providence, RI.*

Kathare PK, Dharmasiri S, Jayaweera T, **Dharmasiri N** (2013) Functional characterization of *AtSAUR53* in plant auxin response. *ASPB Annual Conference, Providence, RI.*

Dhanapala C, Kathare PK, Dharmasiri S, Rajapakse S, Saputhanthri P, **Dharmasiri N** (2013) Regulation of Aux/IAA functions is a complex process. (2013) *Proceeding of the Institute of Biology, Sri Lanka.*

Karunarathna N, Dharmasiri S and Dharmasiri N (2012) Picloram induced adventitious root formation in *Arabidopsis* mutant *iaa28-2* is regulated by auxin co-receptor AFB1. *ASPB Annual Conference, Austin, TX.*

Jayaweera T, Siriwardana C, Dharmasiri S, Quint M, Gray W and Dharmasiri N. (2012) Characterization of new mutant alleles of *IBR5* indicates the relevance of its catalytic domain in plant auxin response. *ASPB Annual Conference, Austin, TX.*

Kathare PK, Dharmasiri S, Jayaweera T and Dharmasiri N (2012) *SAUR53* regulates apical hook development through calcium/calmodulin pathway. *ASPB Annual Conference, Austin, TX.*

Dharmasiri S, Devolld B and **Dharmasiri N** (2011) Semi-dominant mutation in *pic30* gene in *Arabidopsis* conveys resistance to picolinate herbicides. *ASPB Annual Conference, Minneapolis, MN.*

Karunarathna N., Dharmasiri S., Jayaweera T., Kathare P., Koke J., and Dharmasiri N. IAA28 may have multiple functions in plant growth and development. (2011), *ASPB Annual Conference, Minneapolis, MN.*

Karunarathna N., Dharmasiri S., Jayaweera T., Kathare P. and **Dharmasiri N.** (2011) Functions of IAA28 in linking plant responses to environmental cues. *International research conference for graduate students, Texas State University- San Marcos, TX.*

Praveen Kumar, Dharmasiri S, Jayaweera T, Hartgrove K, **Dharmasiri N** (2011), Role of SAUR53 in Plant Growth and Development. *International Research Conference for Graduate Students, Texas State University- San Marcos, Texas.*

Hou Y, Dharmasiri S, Villareal J, Karunarathna N, **Dharmasiri N** (2011) Auxin resistant mutant *pic7* functions in multiple hormone response pathways in Arabidopsis. *International Research Conference for Graduate Students, Texas State University- San Marcos, Texas.*

Jayaweera T, Dharmasiri S and **Dharmasiri N** (2010) Regulation of the expression of *PIC115* gene in Arabidopsis. *American Association for the Advancement of Science–SWARM Meeting, Houston, Texas.*

Karunarathna N, Dharmasiri S and **Dharmasiri N** (2010). The gain-of-function mutation *iaa28-2* in Arabidopsis causes severe defects in growth and development. *American Association for the Advancement of Science –SWARM meeting, Houston, Texas. (Honorable Mention – Best Poster).*

Kathare PK, Dharmasiri S, Dharmasiri N (2010) Characterization of a Small Auxin Up Regulated (SAUR) Gene in Arabidopsis apical hook Development. *International Research Conference for Graduate Students, Texas State University, San Marcos, Texas.*

Jayaweera T, Dharmasiri S, Siriwardhana C, Dharmasiri N. (2010) Plan auxin response is modulated through ABA signaling in response to environmental stress *International Research Conference for Graduate Students, Texas State University, San Marcos, Texas.*

Hou Y, Dharmasiri S, Karunarathna N, Dharmasiri N. (2010) Identification and Characterization of *pic7*, a novel Arabidopsis mutant resistant to auxin *International Research Conference for Graduate Students, Texas State University, San Marcos, Texas.*

Jayaweera TD, Dharmasiri S, **Dharmasiri N** (2010) Regulation of auxin signaling through MAPK pathway. *15th Annual Biology Student Colloquium, Department of Biology, Texas State University-San Marcos.*

Karunarathna N, Dharmasiri S, **Dharmasiri N** (2010) Functions of IAA28 in Arabidopsis growth and development. *15th Annual Biology Student Colloquium, Department of Biology, Texas State University-San Marcos.*

Siriwardana C, Karunarathna N, Dharmasiri S, Albers S, Koke J and **Dharmasiri N**

(2009) Characterization of *pic59*, a novel Arabidopsis mutant associated with auxin response. **9th International Plant Molecular Biology Congress, St. Louis, Missouri.**

Dharmasiri S, Garcia S, Karunaratna N, Collier C, Devolled B, **Dharmasiri N** (2008) Characterization of the Arabidopsis mutant *pic30* that is specifically resistant to auxinic herbicide picloram. **19th International Conference on Arabidopsis Research, Montreal, Canada.**

Dharmasiri N, Dharmasiri S, Gunathilake A, Karunaratne N, Siriwardana C and Collier C. (2008) Characterization of new auxin response mutants in Arabidopsis. **105th Annual meeting of SAAS (Biochemistry & Biotechnology), Dallas, TX.**

Dharmasiri S, Devolld B, Shayegani R, Monks Cory, **Dharmasiri N** (2006) What is an auxin: Structural requirements necessary for auxin activity. **FASEB summer research Conferences, Saxton River, VT.**

Dharmasiri S, Mockaitis K, Swarup R, **Dharmasiri N**, Bennett M, Estelle M (2005) Molecular and genetic characterization of the Arabidopsis AXR4 protein suggest an involvement in auxin influx and AUX1 function. **ASPB Annual Conference, Seattle, Washington.**

Estelle M., Dharmasiri S., **Dharmasiri N**, Lechner L, Mooney S. (2004) Auxin response requires SCF-dependent degradation of the AUX/IAA proteins. **18th International Conference on Plant growth Substances. Canberra, Australia.**

Dharmasiri N., Dharmasiri S, Ge L, Lechner E, Mokaitis K, Moon J, Mooney S, Parry G, Ren H, Yamada M. and Estelle M. (2004) Auxin response is mediated by a family of ubiquitin protein ligases. **FASEB summer Research Conferences. Saxtons River, VT.**

Mockaitis K., Dharmasiri S., **Dharmasiri N.** and Estelle M. (2004) Profiling Primary Auxin Responses and Transcriptional Regulation Mediated by AXR1 and SCF^{TIR1} Functions. **15th International conference on Arabidopsis Research., Berlin. 120.**

Dharmasiri S., **Dharmasiri N.**, Mooney S. and Estelle M (2004) Regulated degradation of AUX/IAA proteins through a family of SCF F-box proteins. **15th International conference on Arabidopsis Research. Berlin. 81.**

Dharmasiri S., **Dharmasiri N.**, and Estelle M. (2004) Characterization of a family of SCF E3 ligases involved in auxin response in *Arabidopsis*. **ASPB conference, Orlando, FL.**

Dharmasiri N., Dharmasiri S. and Estelle M (2003) Auxin promotes AUX/IAA-SCF interaction through a soluble receptor. **14th International conference on Arabidopsis Research, Madison, WI. 64.**

Dharmasiri, S., **Dharmasiri, N.**, Mooney, S., and Estelle, M. (2003) Auxin response in Arabidopsis is mediated by family of SCF complexes. **14th International conference on Arabidopsis Research. Madison, WI. 324.**

Hellmann, H., Hobbie, L., Dharmasiri, S., **Dharmasiri, N.**, and Estelle, M. (2003) The CUL1 protein is required for auxin signaling in Arabidopsis. *14th International conference on Arabidopsis Research. Madison, WI.* 337.

Dharmasiri, M.A.N., and Estelle, M (2001) AXR1 homologue AXL1 is involved in auxin response in Arabidopsis. *12th International conference on Arabidopsis Research. Madison, WI.* 267

Li, X., **Dharmasiri, M.A.N.**, and Harrington, H.M. (2000) Characterization of a Calcium-CaM regulated potassium ion channel in Arabidopsis. *Plant physiol. (Supp).* 123: 151

Dharmasiri, M.A.N. and Harrington, H.M (1997) Promoter of a calmodulin binding protein gene confers heat inducibility of GUS in transgenic tobacco. *Plant Physiol. (Suppl.) 115: 275.*

Dharmasiri S., **Dharmasiri M.A.N.**, and Harrington HM (1997) Nucleoside diphosphate kinases and calmodulin binding proteins in plants. *Multi-institutional Plant protein Phosphorylation Group meeting. Jackson Hole, WY.*

Dharmasiri, M.A.N. and Harrington, H.M. (1996) Tobacco glutamate decarboxylase is a calmodulin binding heat shock protein. *Pacific Sci.* 50:239.

Dash S., Dharmasiri S., **Dharmasiri M.A.N.** and Harrington HM (1995) Modulation of calmodulin binding proteins and nucleoside diphosphate kinase by heat shock. *Multi-institutional Plant Protein Phosphorylation Group meeting. Breckenridge, CO.*

Dharmasiri, M.A.N. and Harrington, H.M. (1994) Isolation of a heat-shock induced calmodulin binding protein gene from tobacco cells. *Plant Physiol.(suppl.)105(1):174.*

Dash, S., Dharmasiri, S., **Dharmasiri, N.**, Harrington, H.M. (1994) Protein phosphorylation and signal transduction during heat shock. *Multi-institutional Plant Protein Phosphorylation Group meeting. Portland, OR.*

Kolonna, K.A.S., Abeyrathne, L.N.P. and **Dharmasiri, M.A.N.** (1988) Effect of composted paddy straw on the cultivation of straw mushrooms (*Volvariella* sp.). *Proc. Sri Lanka Assoc. Adv. Sci.* 44(1)114.

Dharmasiri, M.A.N., Kolonna, K.A.S., Tennakoon, K. and Chandralatha, Y.T. (1987) A study on some factors effecting the growth and yield in mushrooms. *Pleurotus ostreatus* and *Volvariella* sp. *Proc. Sri Lanka Assoc. Adv. Sci.* 43(1) 43.

Dharmasiri, M.A.N., Jayatissa, P.M. and Adikaram, N.K.B. (1986) Pectinase and protease enzyme production by two *Colletotrichum* species having differential disease development in papaya fruit. *Proc. Sri Lanka Assoc. Adv. Sci.*41(1)120.

Dharmasiri, M.A.N., Jayatissa, P.M. and Adikaram N.K.B. (1985) Some factors underlying the resistance of immature papayas to anthracnose disease (*Colletotrichum gloeosporioides* (Penz.) Sacc.). *Proc. Sri Lanka. Assoc. adv. Sci.* 41(1):56.

Dharmasiri, M.A.N., Pathirana, R.A., Weerawansa, G.G. and Jayatissa, P.M (1984) Effect of rice bran and composted straw on the yield of straw mushrooms (*Volvariella* sp.). *Proc. Sri Lanka Assoc Adv. Sci.* **40(1):56**.

Dharmasiri, M.A.N., Upasiri, K and Balasubramaniam, S (1984) The effect of water stress on free amino acid composition of rice (*Oryza sativa* L.). *Proc. Sri Lanka Adv. Sci.* **40(1):58**

4. Reports:

Dharmasiri, M.A.N. (1987) Straw Mushrooms (*Volvariella esculenta*); Cultivation methods for farmers. CISIR technical reports. Colombo Sri Lanka.

Dharmasiri, M.A.N. (1987) Cultivation of *Pleurotus ostreatus*. CISIR technical reports. Colombo, Sri Lanka.

5. Book Reviews: none
6. Other
- B. Works not in Print

1. Papers Presented at Professional Meetings:

Dharmasiri N, Dharmasiri S, Jayaweera T, Kathare PK, Raymond D, Ghimire P, Minter L, Lopez E (2014) Complexity of plant auxin response: Dissecting the signaling network. *111th Annual meeting of Southern Association of Agricultural Scientists, Dallas, TX.* (Invited presentation).

Kathare PK, Dharmasiri S, Jayaweera T, Minter L, **Dharmasiri N** (2014) *Small Auxin Up RNA53* functions in auxin and ethylene signaling in Arabidopsis. *111th Annual meeting of Southern Association of Agricultural Scientists, Dallas, TX.* (Invited presentation).

Jayaweera T, Dhanapala C, Kathare P, **Dharmasiri N**. (2014). IBR5 links auxin and calcium signaling pathways in plants. *111th Annual meeting of Southern Association of Agricultural Scientists, Dallas, TX.* (Invited presentation).

Kathare PK, Dharmasiri S, **Dharmasiri N** (2014) PIC82 is a membrane protein involved in picloram transport. *ASPB Annual Conference, Portland, OR.*

Jayaweera T, **Dharmasiri N** (2014) 26S proteasome pathway regulates IBR5.1 protein level in Arabidopsis. *ASPB Annual Conference, Portland, OR.*

Jayaweera T, Dharmasiri S, Dhanapala C, Siriwardana C, **Dharmasiri N** (2013) Involvement of post-transcriptional regulation of *IBR5* in plant auxin response. *Conference on Post-transcriptional gene regulation of plants, Providence, RI.*

Jayaweera T, **Dharmasiri N** (2013) Expression of TIR1/AFB auxin co-receptors are differentially regulated by other plant hormones and abiotic stress. *ASPB (Southern Section) meeting, Little Rock, AR.*

Praveen K. Kathare, Dharmasiri S, Jayaweera T, **Dharmasiri N** (2013) Functional characterization of AtSAUR53 in plant auxin response. *ASPB (Southern Section) meeting, Little Rock, AR.*

Dharmasiri N, Hou Y, Dharmasiri S, Villariel J, Karunarathna N (2013) Auxin resistant mutant *pic7-1* functions in multiple hormone response pathways. *ASPB (Southern Section) meeting, Little Rock, AR.*

Dharmasiri S, Karunarathna N, Jayaweera T, Kathare PK, Hou Y, Dhanapala C, Song Y, **Dharmasiri N** (2012) Environmental regulation of plant auxin response. *109th Annual meeting of Southern Association of Agricultural Scientists, Birmingham, AL.*

Karunarathna N, Dharmasiri S and **Dharmasiri N** (2012) Picloram induced adventitious root formation in *Arabidopsis* mutant *iaa28-2* is regulated by auxin co-receptor AFB1. *ASPB Annual Conference, Austin, TX.*

Jayaweera T, Siriwardana C, Dharmasiri S, Quint M, Gray W and **Dharmasiri N**. (2012) Characterization of new mutant alleles of *IBR5* indicates the relevance of its catalytic domain in plant auxin response. *ASPB Annual Conference, Austin, TX.*

Kathare PK, Dharmasiri S, Jayaweera T and **Dharmasiri N** (2012) *SAUR53* regulates apical hook development through calcium/calmodulin pathway. *ASPB Annual Conference, Austin, TX.*

Dharmasiri S, Devolld B and **Dharmasiri N** (2011) Semi-dominant mutation in *pic30* gene in *Arabidopsis* conveys resistance to picolinate herbicides. *ASPB Annual Conference, Minneapolis, MN.*

Karunarathna N., Dharmasiri S., Jayaweera T., Kathare P., Koke J., and **Dharmasiri N**. IAA28 may have multiple functions in plant growth and development. (2011), *ASPB Annual Conference, Minneapolis, MN.*

Dharmasiri S, Jayaweera T, Kathare PK, Karunarathna N, Hou Y, Hartgrove K, Albers S, **Dharmasiri N** (2011) Modulation of plant auxin response by environmental stresses. *108th Annual meeting of Southern Association of Agricultural Scientists, Corpus Christi, Texas.*

Dharmasiri S, Jayaweera T, Kathare PK, Karunarathna N, Hou Y, **Dharmasiri N** (2011) Plant auxin response: Opportunities for agricultural biotechnology. *International Conference on "Biotechnology for Better Tomorrow 2011" Aurangabad, India.*

Siriwardana C, Karunarathna N, Dharmasiri S, Albers S, Koke J and **Dharmasiri N** (2009) Characterization of *pic59*, a novel *Arabidopsis* mutant associated with auxin response. *9th International Plant Molecular Biology Congress, St. Louis, Missouri.*

Ulghani A, Villareal J, Boyd B, Dharmasiri S and **Dharmasiri N** (2009) Characterization of *pic7*, an auxin resistant mutant of *Arabidopsis thaliana*. ***International Research Conference for Graduate Students, Texas State University, San Marcos, Texas.***

Karunaratna N, Albers S, Dharmasiri S and **Dharmasiri N** (2009) Isolation and characterization of a putative auxin resistant mutant, *ada2* that regulates growth and development of *Arabidopsis thaliana*. ***International Research Conference for Graduate Students, Texas State University, San Marcos, Texas.***

Albers S, Karunaratna N, Dharmasiri S and **Dharmasiri N** (2009) *Arabidopsis ada1* mutant exhibits severe defects in tropic responses and growth and development. ***ASPB (Southern section) Annual meeting, Austin, Texas.***

Padgett C, Jaster C, Dharmasiri S and **Dharmasiri N** (2009) Isolation and characterization of enhancers and suppressors of *Arabidopsisafb5*. ***ASPB (Southern section) Annual meeting, Austin, Texas.***

Siriwardana C, Karunaratna N, Dharmasiri S, Gunathilake A and **Dharmasiri N** (2009) Characterization of *pic59*, a novel *Arabidopsis* mutant associated with auxin signaling pathway. ***ASPB (Southern section) Annual meeting, Austin, Texas.***

Karunaratna N, Dharmasiri S, Siriwardana C and **Dharmasiri N** (2009) Auxin resistant mutant *pic11* encodes IAA28 that regulates growth and development of *Arabidopsis thaliana*. ***ASPB (Southern section) annual meeting, Austin, Texas.***

Gunathilake A, Karunaratna N, Devold B, Dharmasiri S and **Dharmasiri N** (2009) *Arabidopsis pic64* mutation defines a novel gene involved in Auxin response. ***ASPB (Southern section) Annual meeting, Austin, Texas.***

Gunathilake A, Dharmasiri S and **Dharmasiri N** (2008) Characterization of *pic64*, an *Arabidopsis* mutant that is resistant to auxinic herbicide 2,4-D. ***105th Annual meeting of SAAS (Biochemistry & Biotechnology), Dallas, TX.***

Karunaratna N, Dharmasiri S and **Dharmasiri N**. (2008) *pic11*, a mutant that is resistant to the auxinic herbicide picloram, causes growth and development defects in *Arabidopsis*. ***105th Annual meeting of SAAS (Biochemistry & Biotechnology), Dallas, TX.***

Dharmasiri N, Dharmasiri S, Gunathilake A, Karunaratna N, Siriwardana C and Collier C. (2008) Characterization of new auxin response mutants in *Arabidopsis*. ***105th Annual meeting of SAAS (Biochemistry & Biotechnology), Dallas, TX.***

Dharmasiri N., Dharmasiri S., and Estelle M. (2005) TIR1 and related F-box proteins function as auxin receptors in plants. ***Gordon Research Conferences (Mechanotransduction & Gravity Signaling In Biological Systems). University of New England, Biddeford, ME.***

Dharmasiri S, Mockaitis K, Swarup R, **Dharmasiri N**, Bennett M, Estelle M (2005) Molecular and genetic characterization of the *Arabidopsis* AXR4 protein suggest an involvement in auxin influx and AUX1 function. ***ASPB Annual Conference, Seattle, Washington.***

Estelle M., Dharmasiri S., **Dharmasiri N**, Lechner L, Mooney S. (2004) Auxin response requires SCF-dependent degradation of the AUX/IAA proteins. *18th International Conference on Plant growth Substances. Canberra, Australia.*

Dharmasiri N., Dharmasiri S, Ge L, Lechner E, Mokaitis K, Moon J, Mooney S, Parry G, Ren H, Yamada M. and Estelle M. (2004) Auxin response is mediated by a family of ubiquitin protein ligases. *FASEB summer Research Conferences. Saxtons River, VT.*

Dharmasiri N., Dharmasiri S. and Estelle M. (2004). Auxin signaling in plants: Where is the auxin receptor? *Gordon Research Conferences (Plant Molecular Biology), Plymouth, NH.*

Mockaitis K., Dharmasiri S., **Dharmasiri N.** and Estelle M. (2004) Profiling Primary Auxin Responses and Transcriptional Regulation Mediated by AXR1 and SCF^{TIR1} Functions. *15th International conference on Arabidopsis Research., Berlin. 120.*

Dharmasiri S., **Dharmasiri N.**, Mooney S. and Estelle M (2004) Regulated degradation of AUX/IAA proteins through a family of SCF F-box proteins. *15th International conference on Arabidopsis Research. Berlin. 81.*

Dharmasiri S., **Dharmasiri N.**, and Estelle M. (2004) Characterization of a family of SCF E3 ligases involved in auxin response in *Arabidopsis*. *ASPB conference, Orlando, FL.*

Dharmasiri N., Dharmasiri S. and Estelle M (2003) Auxin promotes AUX/IAA-SCF interaction through a soluble receptor. *14th International conference on Arabidopsis Research. Madison, WI. 64.*

Dharmasiri, S., **Dharmasiri, N.**, Mooney, S., and Estelle, M. (2003) Auxin response in *Arabidopsis* is mediated by family of SCF complexes. *14th International conference on Arabidopsis Research. Madison, WI. 324.*

Hellmann, H., Hobbie, L., Dharmasiri, S., **Dharmasiri, N.**, and Estelle, M. (2003) The CUL1 protein is required for auxin signaling in *Arabidopsis*. *14th International conference on Arabidopsis Research. Madison, WI. 337.*

Dharmasiri, M.A.N., and Estelle, M (2001) AXR1 homologue AXL1 is involved in auxin response in *Arabidopsis*. *12th International conference on Arabidopsis Research. Madison, WI. 267*

Li, X., **Dharmasiri, M.A.N.**, and Harrington, H.M. (2000) Characterization of a Calcium-CaM regulated potassium ion channel in *Arabidopsis*. *Plant physiol. (Suppl). 123: 151*

Dharmasiri, M.A.N. and Harrington, H.M (1997) Promoter of a calmodulin binding protein gene confers heat inducibility of GUS in transgenic tobacco. *Plant Physiol. (Suppl.) 115: 275.*

Dharmasiri S., **Dharmasiri M.A.N.**, and Harrington HM (1997) Nucleoside diphosphate kinases and calmodulin binding proteins in plants. *Multi-institutional Plant Protein Phosphorylation Group meeting. Jackson Hole, WY.*

Dharmasiri, M.A.N. and Harrington, H.M. (1996) Tobacco glutamate decarboxylase is a calmodulin binding heat shock protein. *Pacific Sci. 50:239.*

Dash S., Dharmasiri S., **Dharmasiri M.A.N.** and Harrington HM (1995) Modulation of calmodulin binding proteins and nucleoside diphosphate kinase by heat shock. *Multi-institutional Plant Protein Phosphorylation Group meeting. Breckenridge, CO.*

Dharmasiri, M.A.N. and Harrington, H.M. (1994) Isolation of a heat-shock induced calmodulin binding protein gene from tobacco cells. *Plant Physiol. (suppl.) 105(1):174.*

Dash, S., Dharmasiri, S., **Dharmasiri, N.**, Harrington, H.M. (1994) Protein phosphorylation and signal transduction during heat shock. *Multi-institutional Plant Protein Phosphorylation Group meeting. Portland, OR.*

Kolonna, K.A.S., Abeyrathne, L.N.P. and **Dharmasiri, M.A.N.** (1988) Effect of composted paddy straw on the cultivation of straw mushrooms (*Volvariella* sp.). *Proc. Sri Lanka Assoc. Adv. Sci. 44(1)114.*

Dharmasiri, M.A.N., Kolonna, K.A.S., Tennakoon, K. and Chandralatha, Y.T. (1987) A study on some factors effecting the growth and yield in mushrooms. *Pleurotus ostreatus* and *Volvariella* sp. *Proc. Sri Lanka Assoc. Adv. Sci. 43(1) 43.*

Dharmasiri, M.A.N., Jayatissa, P.M. and Adikaram, N.K.B. (1986) Pectinase and protease enzyme production by two *Colletotrichum* species having differential disease development in papaya fruit. *Proc. Sri Lanka Assoc. Adv. Sci. 41(1)120.*

Dharmasiri, M.A.N., Jayatissa, P.M. and Adikaram N.K.B. (1985) Some factors underlying the resistance of immature papayas to anthracnose disease (*Colletotrichum gloeosporioides* (Penz.) Sacc.). *Proc. Sri Lanka. Assoc. adv. Sci. 41(1):56.*

Dharmasiri, M.A.N., Pathirana, R.A., Weerawansa, G.G. and Jayatissa, P.M (1984) Effect of rice bran and composted straw on the yield of straw mushrooms (*Volvariella* sp.). *Proc. Sri Lanka Assoc Adv. Sci. 40(1):56.*

Dharmasiri, M.A.N., Upasiri, K and Balasubramanium, S (1984) The effect of water stress on free amino acid composition of rice (*Oryza sativa* L.). *Proc. Sri Lanka Adv. Sci. 40(1):58.*

2. Invited Talks, Lectures, and Presentations:

(2014) Complexity of plant auxin response: Dissecting the signaling network. *IIIth Annual meeting of Southern Association of Agricultural Scientists, Dallas, TX.*

(2014) Plant auxin response: convergence of signaling pathways. *Department of Biology, University of North Texas, Denton, TX.*

(2013) Auxin resistant mutant *pic7-1* functions in multiple hormone response pathways. *ASPB (Southern Section) meeting, Little Rock, AR.*

(2013) Complexity of plant auxin response; dissecting the signaling network. *Department of Molecular biology & Biotechnology, University of Peradeniya, Sri Lanka.*

(2013) Involvement of post-transcriptional regulation of *IBR5* in plant auxin response. *Conference on Post-transcriptional gene regulation of plants, Providence, RI.*

(2013) Plant auxin response; convergence of two signaling pathways. *Department of Biology, Louisiana State University, Baton Rouge, LA*

(2012) Environmental regulation of plant auxin response. *109th Annual meeting of Southern Association of Agricultural Scientists, Birmingham, AL.*

(2011) Mechanisms of plant auxin response: Will it end in TIRs? *Department of Biology, Texas A&M University, College Station, Texas.*

(2011) Modulation of plant auxin response by environmental stresses. *108th annual meeting of Southern Association of Agricultural Scientists, Corpus Christi, Texas.*

(2011) Plant auxin response: Opportunities for agricultural biotechnology. *International Conference on "Biotechnology for Better Tomorrow 2011" Aurangabad, India.*

(2010) Molecular mechanisms of plant auxin signaling. *Department of Botany, University of Peradeniya, Sri Lanka.*

(2010) Mechanisms of plant auxin response: Lessons from Arabidopsis mutants to auxinic herbicides. *USDA-ARS, Mississippi.*

(2008) Molecular mechanisms of auxin signaling in plants. *College of Life Sciences, Wuhan University, China.*

(2008) Characterization of new auxin response mutants in Arabidopsis. *105th Annual meeting of SAAS (Biochemistry & Biotechnology), Dallas, TX.*

(2008) Dissecting the molecular mechanisms of auxin signaling in plants. *Biology Department, Texas State University, San Marcos, TX.*

(2006) Auxin action in plants: TIRs for the receptor. *Plant Biology Section, University of Texas at Austin, TX.*

(2006) Biochemical search for auxin receptors; An answer to a century old question. *Department of Biology, University of Texas-San Antonio.*

(2005) TIR1 and related F-box proteins function as auxin receptors in plants. ***Gordon Research Conferences (Mechanotransduction & Gravity Signaling In Biological Systems). University of New England, Biddeford, ME.***

(2005) Auxin Signaling in Plants: The Quest for the Auxin Receptor. ***Dept. of Botany, University of Peradeniya, Sri Lanka.***

(2004) Auxin signaling in plants: Where is the auxin receptor? ***Gordon Research Conferences (Plant Molecular Biology). Plymouth, NH.***

(2003) Auxin promotes Aux/IAA-SCF interaction through a soluble receptor. ***14th International conference on Arabidopsis Research (NAASC Choices). Madison, WI.***

(1997) Calcium signaling in plants. ***Dept. of Botany, University of Peradeniya, Sri Lanka.***

(1987) Cultivation of edible mushrooms. ***Institute of Biology. Sponsored by Hiatt Development Company, Sri Lanka***

3. Consultancies:

1986-1989: Served as a member of the post-harvest technology group; CISIR, Colombo, Sri Lanka.

1985-1987: HIAT Development Company, Colombo Sri Lanka. Mushroom and Spawn production facilities of this company was developed and managed under my supervision until the regular commercial production started. CISIR, Colombo, Sri Lanka.

1983-1989: Microbial Quality Control. Services were provided to many industries / institutions to control microbial quality of drinking water, food and beverages. CISIR, Colombo, Sri Lanka.

1983-1984: CIATO Company, Colombo, Sri Lanka. Mushroom production facility of this company was restructured to optimize the production. CISIR, Colombo, Sri Lanka.

4. Workshops:

5. Other:

C. Grants and Contracts

1. Funded External Grants and Contracts:

2009: Characterization of three new Arabidopsis mutants with altered response to Auxin – NSF CAREER (\$ 549,999.00)

2. Submitted, but not Funded, External Grants and Contracts:

2015: NSF - Role of IBR5 in regulation of SCF-E3 ligase activity in Arabidopsis. (preproposal) – (declined)

2015: Welch Foundation – Biochemical and genetic characterization of IBR5.1 interaction with small GTPases in plant auxin response. (preproposal) – (declined).

2015: (NSF-DOE) Recruitment niches and the evolution of drought tolerance in tropical dry forest trees. (Co-PI) (preproposal / declined).

2014: USDA – Functions of *SIPIC30* gene in abiotic stress and herbicide responses of Tomato (*Solanum lycopersicum*) (pre-proposal) - (declined).

2013: NSF - Functional characterization of *PIC30* in ABA response in Arabidopsis. (pre-proposal)-(declined).

2011: USDA – Characterization of Auxin receptor gene family from tomato.-(declined).

2009: ARP - Characterization of MAPK signaling in plant auxin response (pre-proposal) – (declined).

2009: Characterization of two new Arabidopsis mutants with altered response to Auxin – NSF (\$ 423,991.00) (declined)

2008: Characterization of three new Arabidopsis mutants with altered response to Auxin – NSF CAREER (\$ 706,643.00) (selected for high priority category, but did not get funded due to budget limitation).

2008: Identification and characterization of three new auxin resistant mutants from plants – USDA (\$ 390,494.00) (declined).

2007: ARP- Engineering crop plants for herbicide resistance (pre-proposal)-(declined).

2007: Characterization of new Arabidopsis mutants with altered response to Auxin – NSF CAREER (\$ 865,080.00). (declined but encouraged to resubmit).

2006: Molecular characterization of auxin signaling in Arabidopsis. – NSF CAREER (\$ 839,767.00) (declined).

3. Funded Internal Grants and Contracts:

2010: Characterization of auxin signaling, cell Ca^{2+} and MAP kinase pathway in plant stress response. Texas State University. (\$ 80,000.00)

2008: Characterization of two new picloram resistant mutants from plants. Research Enhancement Grant, Texas State University. (\$ 8000.00).

2006: Functions of SAUR genes in auxin response. Research Enhancement Grant, Texas State University. (Co-PI Dr. Sunethra Dharmasiri \$14,500.00)

2005: Structural requirements necessary for auxin activity. Research Enhancement Grant, Texas State University, San Marcos. (\$ 8000.00).

2005: Start-up funds. Texas State University, San Marcos. (\$ 140,000.00).

4. Submitted, but not Funded, Internal Grants and Contracts: none.

5. 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.

2008 - Citation – Marquis Who's Who in Science and Engineering. 10th edition.

- 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*
- 1998 - 1998: Postdoctoral fellowship, Dept. of Plant Molecular Physiology / Biosystems Engineering, University of Hawaii, USA.
- 1987 – 1988: Practical training award, Overseas Development Administration, England.
- 1972 – 1982: National Scholarship, Ministry of Education, Sri Lanka.

IV. SERVICE

A. University:

- (1) Adjunct/Affiliated faculty for the MS program in Family and Consumer Science (FCS), TSU.
- (2) Member Institutional Biosafety Committee (IBC), TSU.

B. Departmental:

Served in the following departmental committees:

- (1) Undergraduate committee, Biology Department, TSU
- (2) Greenhouse committee, Biology Department, TSU
- (3) Target of Opportunity committee, Biology Department, TSU
- (4) Departmental Seminar committee (Chair-from fall 2008 – spring 2009; 2014), Biology Department, TSU
- (5) Faculty mentoring committee- HongGu Kang.
- (6) Colene Drace Cell Biology Award Committee (2006 to present)
- (7) Eben-Ellege Award Committee (2006 to present)
- (8) Presidential upper level Scholarship selection committee (2008)
- (9) Biology Department Colloquium Committee (2009)
- (10) Cell Biology Search Committee (2010)

C. Community:

Mentored following High School students on auxin related research projects.

- | | | |
|-----------|------------------|---------------------------------|
| 2014/2015 | Felina Torres | (San Marcos High School, Texas) |
| 2013 | Joavanny Salinas | (San Marcos High School, Texas) |
| 2012 | Francisco Torres | (San Marcos High School, Texas) |

2011	Haley Muraski	(Wimberley High School, Texas)
2009	Kurt Kotzur	(St. Joseph High School, Victoria, Texas)
	Shaleen Vasavada	(St. Joseph High School, Victoria, Texas)
2008	Weston Hearne	(San Marcos High School, Texas)
2007	Jessica Villareal	(San Marcos High School, Texas)
	Benjamin Williamson	(San Marcos High School, Texas)

D. Professional:

Reviewed multiple grants / journal articles for following funding agencies and journals.

Granting Agency

- i) *National Science Foundation, USA*
- ii) *FWF (Austrian Science Fund)*
- iii) *USDA*

Journals

- i. *Nature reviews.*
- ii. *Plant Physiology*
- iii. *Plant Science*
- iv. *Plant journal*
- v. *Australian Journal of Science*
- vi. *Trends in Plant Sciences*
- vii. *Genetics*
- viii. *Journal of Experimental Botany*
- ix. *Molecular Plant*
- x. *Plant Molecular Biology*
- xi. *Acta Biologica Cracoviensia*
- xii. *Physiologia Plantarum*
- xiii. *PLoS One*
- xiv. *Plant Cell*
- xv. *Functional Plant Biology*
- xvi. *Frontiers in Plant Physiology*
- xvii. *Essays in Biochemistry*
- xviii. *Plant Cell & Physiology*
- xix. *Pest Management*
- xx. *F1000Research*

Editorial

Review Editor - *Frontiers in Plant Physiology.*

D. Organizations**1. Honorary:**

Secretary/Treasurer (2015-2016) – *American Society of Plant Biologists-Southern Section.*

Treasurer – *Thapovanaye International Buddhist Center*

2. Professional:

Member: American Association for the Advancement of Science

Member: American Society of Plant Biologists

Member: Plant Growth Regulators Society of America