

# CURRICULUM VITAE

## NAME

Jayanty, Sastry SSGM

## ADDRESS

0249 East County Road 9N, Center, Colorado-81125

## PHONE

(719) 754-3594

## EDUCATION

1998 Ph D, Pune University/ICRISAT

1992 MS, Allahabad University

1988 BS, Andhra University

## ACADEMIC POSITIONS

August 1, 2014 - Present Associate Professor and Extension Specialist, Colorado State University.

## OTHER POSITIONS

2008 - July 31, 2014 Assistant Professor and Extension Specialist, San Luis Valley Research Center.

2006 - 2008 Research Scientist, San Luis Valley Research Center.

2003 - 2006 Research Associate, MSU-DOE PRL, Michigan State Univ.

2000 - 2003 Postdoctoral fellow, Dept of Horticulture, Michigan State Univ.

1998 - 2000 Postdoctoral fellow, Dept. of Horticulture, Purdue University.

## PUBLISHED WORKS

### **Refereed Journal Articles**

Kalita, D., Jayanty, S. S. (in press). Analysis of Acrylamide formation in selected potato germplasm. *Food Processing & Technology*, 5, 8. <http://dx.doi.org/10.4172/2157-7110.1000358>

Perla, V., Jayanty, S. S. (2013). Biguanide related compounds in traditional antidiabetic functional plant foods. *Food Chemistry*, 138, 1574-1580.

Kalita, D., Jayanty, S. S. (2013). Reduction of Acrylamide Formation by Vanadium Salt in Potato French Fries and Chips. *Food Chemistry*, 138, 644-649.

Perla, V., Jayanty, S. S., Holm, D. G., Davidson, R. D. (2013). Relationship between tuber storage proteins and tuber powdery scab resistance in potato. *AJPR*, DOI 10.1007/s12230-13-9343-y; 13pp..

Kalita, D., Jayanty, S. S., Holm, D. G. (2013). Role of polyphenols in acrylamide formation in the fried products of potato tubers with colored flesh. *Food Research International*, 54, 753-759.

- Jayanty, S. S. (2012). An Experimental Study of Pressure Bruise Development in Four Russet Potato Cultivars with Differences in At-Harvest Tuber Moisture Loss. *American Journal of Potato Research.*, 89, 269-276.
- Jayanty, S. S., Perla, V., Holm, D. G. (2012). Effects of cooking methods on polyphenols, pigments and antioxidant activity in potato tubers. *LWT- Food Science and Technology*, 45, 161-171.
- Perla, V., Holm, D. G., Jayanty, S. S. (2012). Selenium and sulfur content and activity of associated enzymes in selected potato germplasm. *American Journal of Potato Research*, 89(2), 111-120.
- Perla, V., Holm, D. G., Jayanty, S. S. (2011). Effects of cooking methods on polyphenols, pigments and antioxidant activity in Potato Tubers. *LWT Food Science and Technology*, 45, 161-171.
- Vivanco, J. M., Jayanty, S. S. (2010). Pyrosequencing Assessment of Soil Microbial Communities. *Organic and Conventional Potato Farms Plant Disease*, November, 94(11), 1329-1335.
- (2006). Loss of function of COBRA, a determinant of oriented cell expansion, invokes cellular defence responses in *Arabidopsis thaliana*. *J Exp Bot*, 57, 2923-2936.

### **Refereed Chapters in Books**

- Kalita, D., Jayanty, S. S. Reducing acrylamide formation by vanadium. In Prof. Vural Gökmen (Ed.), *Acrylamide in Food: Analysis, Content and Potential Health Effects* (pp. 15). Elsevier.

### **Refereed Proceedings or Transactions**

- Kalita, D., Jayanty, S. S., Holm, D. G. (2013). *Analysis of Acrylamide formation in selected potato germplasm* (vol. 90, pp. 136). American Journal of Potato Research.
- Perla, V., Jayanty, S. S. (2013). *Antidiabetic compounds in Potato* (vol. 90, pp. 144). American Journal of Potato Research.
- Jayanty, S. S. (2013). *Evaluation of the type, amount of dietary fiber in a collection of potato germplasm* (vol. 90, pp. 152). American Journal of Potato Research.
- Henry, C., Jayanty, S. S. (2013). *Influence of late growing season nitrogen application on the tuber yield at-harvest quality, and stored potato quality of russet potatoes* (vol. 90, pp. 128). American Journal of Potato Research.
- Jayanty, S. S. (2012). *Antidiabetic Compounds in Plant Species*. ASHS Journal.
- Perla, V., Jayanty, S. S. (2012). *Selenium and sulfur in Colorado germplasm* (vol. 90, pp. 144). American Journal of Potato Research.

### **Non-Refereed Journal Articles**

- Castleberry, H., Jayanty, S. S. (2014). Analysis of Acrylamide formation in selected potato germplasm. *Spud Items*, 3.
- (2009). Predictions of pressure bruise susceptibility based on early tuber weight loss in storage. *SLVRC, Department of Horticulture & LA, Colorado State University Published in Spud Items*, 61(12).

### **Abstract**

Essah, S. Y., Jayanty, S. S. *Response of Russet Potato to additional late nitrogen fertilizer application*. Denver, Colorado: US Potato Board. Potato Expo

Larson, K., Jayanty, S. S., Holm, D. G., Reddivari, L. (2013). *Characterization of carotenoid content in potato germplasm utilized by the Colorado potato breeding and selection program* (vol. 90, pp. 138). American Journal of Potato Research.

Perla, V., Jayanty, S. S., Holm, D. G., Davidson, R. D. (2013). *The role of lipoxygenase and patatin-lipase in powdery scab disease tolerance in potato tubers*. Potato Association of America.

### **CE Report/Bulletin/Factsheet**

Davidson, R. D., Holm, D. G., Essah, S. Y., Jayanty, S. S. (2014). *Seven cultivar management sheets*. Extension sheet for potato growers.

Jayanty, S. S. (2012). *Managing Tuber Maturity to Improve Skin Set* (11th ed., vol. 64). Spud Items.

Jayanty, S. S. (2012). *Potato Storage Sanitation* (9th ed., vol. 63). Spud Items.

### **Instructor's Manual**

Jayanty, S. S. *Disinfecting Potato Storage*. *Potato Postharvest Storage Manual*. Denver: State of Colorado.

### **Magazine/Trade Publication**

Essah, S. Y., Holm, D. G., Davidson, R. D., Jayanty, S. S. (2013). *Mesa Russet: General characteristics and management*. Monte Vista, CO: Colorado Potato Administrative Committee.

### **Web Development**

Essah, S. Y., Holm, D. G., Jayanty, S. S. (2014). *Colorado State University potato program*, <http://potatoes.colostate.edu>. Colorado State University.

### **PAPERS PRESENTED/SYMPOSIA/INVITED LECTURES/PROFESSIONAL MEETINGS/WORKSHOPS**

December 12, 2014, "Potato Texture Analysis on Storage Implications", Potato Growers, CSU Extension and Agricultural Experimental Station, (Presenter) Jayanty, S. S., United States.

November 20, 2014, "Potato Flavor Project update", Potato Open House, SLVRC, Agricultural Experimental Station & CSU Extension, (Presenter) Jayanty, S. S., SLVRC, Center.

October 27, 2014, "Impact of Potato Postharvest Program", CSU San Luis Valley Research Center – Industry Workshop, AES and CPAC, (Presenter) Jayanty, S. S., United States.

October 27, 2014, "Identification of Potato Industry Research Priorities", Agricultural Experimental Station & Colorado Potato Administrative Committee, United States.

July 21, 2014, "11. Polyphenol content and antioxidant activity of potato tubers with colored flesh: Their potential role in acrylamide formation in French fries", International Conference and Exhibition on Food Processing & Technology, (Presenter) Kalita, D., Hampton Inn Tropicana, Las Vegas, USA, peer-reviewed/refereed.

June 14, 2014, "Potato Postharvest Program presentation to President Dr. Tony Frank", Agricultural Experimental Station & CSU Extension, (Presenter) Jayanty, S. S., United States.

March 5, 2014, "Potato Postharvest Research Plan", AES, Monte Vista, Colorado.

February 15, 2014, "Potato flavor", Passion for Food, CSU Extension, (Presenter) Jayanty, S. S., United States.

February 4, 2014, "At Harvest Test Determines an Optimal Shipping Order to Avoid Pressure Flattening Losses", Southern Rocky Mountain Ag Conference, CSU Extension and Colorado Potato Administrative Committee, (Presenter) Jayanty, S. S., Monte Vista, Colorado.

February 4, 2014, "Increased Tuber Set as a Result of Treatment with Plant Hormones", Southern Rocky Mountain Ag Conference, CSU Extension, Monte Vista, Colorado.

January 2014, "Response of Russet potato to additional late nitrogen fertilizer application", Potato Expo, US Potato Board and National Potato Council, (Presenter) Essah, S. Y., San Antonio, Texas.

January 10, 2014, "Predicting Relative Susceptibility to Pressure Flattening Using At-harvest Texture Analysis.", NPC Annual Meeting, National Potato Council, United States.

September 7, 2013, "The San Luis Valley Research Center and its activities", Potato Festival, CPAC, SLVRC, Center, CO.

February 15, 2013, "Nutritional Chemistry of Spuds", Adam State University, (Presenter) Jayanty, S. S., Alamosa.

January 8, 2013, "Effect of cooking methods on nutritional quality of potatoes", FAVhealth2012, (Presenter) Jayanty, S. S., Goa, India, peer-reviewed/refereed.

2011, "1. Effects of Cooking Methods on Polyphenols, Pigments and Antioxidant Activity in Potato Tubers. Venu Perla, David G. Holm, and Sastry S. Jayanty, (co-author) San Luis Valley Research Center, Colorado State University, Center, CO 81125, USA. American Society for Plant Biologists, Minneapolis, MN, August 6-10, 2011", peer-reviewed/refereed.

2011, "1. Volatile compound analysis in Colorado potato cultivars and advanced selections using solid phase micro extraction technique, Oral Presentation at Potato Association of America, Wilmington, NC August 14-18. Sastry Jayanty. San Luis Valley Research Center, Dept. of Horticulture and Landscape Architecture, Colorado State University, Center, CO 81125, USA", peer-reviewed/refereed.

2011, "3. Breeding for sustainable production in a changing climate- understanding the physiological basis of genetic s by environmental interactions. Coauthor and symposium committee. Potato Association of America, Wilmington, NC August 14-18.", peer-reviewed/refereed.

2011, "An Experimental Study of Pressure Bruise Development in Four Russet Potato Cultivars with Differences in At-Harvest Tuber Moisture Loss. Henry Castleberry and Dr. Sastry Jayanty. San Luis Valley Research Center, Coauthor for oral Presentation at Potato Association of America, Wilmington, NC August 14-18. Dept. of Horticulture and Landscape Architecture, Colorado State University, Center, CO 81125, USA", peer-reviewed/refereed.

2011, "Pressure bruise prediction, management and control in long term potato storage. International Potato Processing & Storage Convention, Denver, June 21-23".

2011, "Webinar Pressure bruise monitoring, and management in commercial potato storages July 12th Sponsored by Spudman Magazine", peer-reviewed/refereed.

2010, "Castleberry, H and Jayanty S. Developing of an Experimental design to study pressure flattening in potatoes.PAA conference, August 2010 Corvallis, Oregon.", peer-reviewed/refereed.

2009, "August 9-13, 2009, Studying the root gall development in russet and smooth skin potato cultivars and its effect on powdery scab inoculum load in the soil (presented during Potato Association of America conference at Fredericton, New Brunswick, Canada)", peer-reviewed/refereed.

2008, "August 10-14, 2008, Microarray analysis of smooth skin potato mutant to study resistance mechanism for powdery scab disease in potato tubers (presented during Potato Association of America conference at Buffalo, NY)", peer-reviewed/refereed.

2008, "August 10-14, 2008, Screening of resistant starch in Colorado grown potato selections and cultivars (presented during Potato Association of America conference at Buffalo, NY)", peer-reviewed/refereed.

2008, "December 9-13, 2008, Understanding the resistance mechanism for powdery scab

disease in potatoes-microarray approach  
(presented during Global Potato  
Conference -2008, New Delhi India).", peer-reviewed/refereed.

## **OTHER ACTIVITIES/ACCOMPLISHMENTS – PUBLICATIONS/SCHOLARLY RECORD**

(January 2009 - June 2010). Leadership Development, "Western Extension Leadership Development,"  
Cooperative Extension.

### **TEACHING:**

<b><u>Year</u></b>	<b><u>Semester</u></b>	<b><u>Course No./Title</u></b>	<b><u>Cr. Hrs.</u></b>	<b><u>Enrollment</u></b>
2015	Fall	HORT481A1 - Postharvest Biology and Technology	3	5
2015	Fall	HORT481A1 - Postharvest Biology and Technology	3	0
2015	Fall	HORT698 - Research	18	17
2015	Spring	HORT698 - Research	18	13
2013	Spring	HORT698 - Research	18	13
2012	Fall	HORT698 - Research	18	15
2011	Fall	HORT698 - Research	18	15
2010	Spring	HORT698 - Research	18	10
2009	Fall	HORT698 - Research	18	12

### **Guest Lectures:**

<b><u>Year</u></b>	<b><u>Semester</u></b>	<b><u>Course No./Title</u></b>	<b><u># of Guest Lectures</u></b>	<b><u>Delivery Mode</u></b>
2010	Spring	HORT401 - Medicinal and value- added uses of plants: a chemical, biochemical and ethno botanical perspective	1	Face to Face

## **EXTENSION/ENGAGEMENT ACTIVITIES/ACCOMPLISHMENTS**

•Collaboration and Partnership Exchange of information with crop consultants, pre-planting breakfast meeting. Monte Vista, CO. Number of times program was made: 1. Total number of participants: 10. Percent Responsible: 100%. 2009.

### **Crop Consultants Meetings**

Postharvest Research. Monte Vista, CO. Number of times program was made: 1. Total number of participants: 15. Percent Responsible: 100%. 2010.

•Bringing together extension agents, specialists and crop consultants develop a partnership, collaboration and exchange of information. Monte Vista, CO. Number of times program was made: 1. Total number of participants: 12. Percent Responsible: 100%. 2009.

•Partnership and collaboration and exchange of information with crop consultants. Monte Vista, CO. Number of times program was made: 1. Total number of participants: 15. Percent Responsible: 100%. 2009.

### **Facilitated group discussion**

Impact of Potato Postharvest Program. Adult, Alamosa, San Luis Valley, Colorado. Number of times program was made: 1. Total number of participants: 10. Percent Responsible: 75%. 4th Quarter 2014.

### **Field Day**

Potato Postharvest update. Center, CO. Number of times program was made: 1. Total number of participants: 50. Percent Responsible: 100%. 2013.

Potato Postharvest update. Monte Vista, CO. Number of times program was made: 1. Total number of participants: 50. Percent Responsible: 100%. 2011.

Potato Postharvest update. Center, CO. Number of times program was made: 1. Total number of participants: 50. Percent Responsible: 100%. 2009.

Potato Postharvest update. Center, CO. Number of times program was made: 1. Total number of participants: 50. Percent Responsible: 100%. 2007.

### **Poster Presentation**

Predicting Relative Susceptibility to Pressure Flattening Using At-harvest Texture Analysis. San Antonio, TX. Number of times program was made: 1. Total number of participants: 250. Percent Responsible: 50%. 2014.

RESPONSE OF RUSSET POTATO TO ADDITIONAL LATE NITROGEN FERTILIZER APPLICATION. Adult, San Antonio, TX. Number of times program was made: 1. Total number of participants: 250. Percent Responsible: 50%. 1st Quarter 2014.

### **Potato Taste Testing**

Potato Taste Testing. Adult, Loveland, Colorado. Number of times program was made: 1. Total number of participants: 70. Percent Responsible: 50%. 1st Quarter 2014.

### **Potato cultivars Tasting**

Passion for Food. LoveLand, CO. Number of times program was made: 1. Total number of participants: 60. Percent Responsible: 50%. 2014.

### **Presentation**

Potato Postharvest Program. La Junta, CO. Number of times program was made: 1. Total number of participants: 15. Percent Responsible: 100%. 2014.

Potato Postharvest Research Program. Adult, Center, San Luis Valley, Colorado. Number of times program was made: 1. Total number of participants: 5. Percent Responsible: 100%. 1st Quarter 2014.

Potato flavor. Adult, Loveland, Colorado. Number of times program was made: 1. Total number of participants: 70. Percent Responsible: 50%. 1st Quarter 2014.

RESPONSE OF RUSSET POTATO TO ADDITIONAL LATE NITROGEN FERTILIZER APPLICATION. Adult, Monte Vista, San Luis Valley, Colorado. Number of times program was made: 1. Total number of participants: 250. Percent Responsible: 50%. 1st Quarter 2014.

At Harvest Test Determines an Optimal Shipping Order to Avoid Pressure Flattening Losses. Adult, Monte Vista, San Luis Valley, Colorado. Number of times program was made: 1. Total number of participants: 250. Percent Responsible: 100%. 1st Quarter 2014.

At Harvest Test Determines an Optimal Shipping Order to Avoid Pressure Flattening Losses. Adult, Monte Vista, CO. Number of times program was made: 1. Total number of participants: 250. Percent Responsible: 100%. 1st Quarter 2014.

Potato Postharvest Research Program Plan 2014. Adult, Monte Vista, San Luis Valley, Colorado. Number of times program was made: 1. Total number of participants: 20. Percent Responsible: 100%. 1st Quarter 2014.

8. Potato Postharvest Program presentation to President Dr. Tony Frank, Chancellor CSU and Potato Growers. Adult, Center, Colorado. Number of times program was made: 1. Total number of participants: 40. Percent Responsible: 100%. 2nd Quarter 2014.

11. Polyphenol content and antioxidant activity of potato tubers with colored flesh: Their potential role in acrylamide formation in French fries." at 3rd International Conference and Exhibition on Food Processing & Technology which was held at Hampton Inn Tropicana, Las Vegas, USA during July 21-23, 2014. Los Vegas. Adult, Los Vegas, Nevada. Number of times program was made: 1. Total number of participants: 300. Percent Responsible: 50%. 3rd Quarter 2014.

USAID/Pakistan Team Visit, Adult, Center, Colorado. Number of times program was made: 1. Total number of participants: 10. Percent Responsible: 50%. 3rd Quarter 2014.

Potato Flavor Project update, Potato Open House Presentation November 20th, 2014. Adult, Center, Colorado. Number of times program was made: 1. Total number of participants: 40. Percent Responsible: 100%. 4th Quarter 2014.

Potato texture analysis and its implication in long term potato storage. Adult, Monte Vista, Colorado. Number of times program was made: 1. Total number of participants: 10. Percent Responsible: 100%. 4th Quarter 2014.

pressure bruise and early detection. Center, CO. Number of times program was made: 1. Total number of participants: 6. Percent Responsible: 100%. 2013.

Current research in the postharvest program. Monte Vista, CO. Number of times program was made: 1. Total number of participants: 350. Percent Responsible: 100%. 2013.

Nutritional Chemistry of Spuds. Alamosa, CO. Number of times program was made: 1. Total number of participants: 30. Percent Responsible: 100%. 2013.

•Postharvest Research Program, CPAC Research Committee. Monte Vista, CO. Number of times program was made: 1. Total number of participants: 20. Percent Responsible: 100%. 2013.

Tuber Skinning and maturity. Greely, CO. Number of times program was made: 1. Total number of participants: 10. Percent Responsible: 100%. 2012.

Postharvest Research Program. Fort Collins, CO. Number of times program was made: 1. Total number of participants: 15. Percent Responsible: 100%. 2012.

•Management Guidelines for Reducing Pressure Bruise in storage. Monte Vista, CO. Number of times program was made: 1. Total number of participants: 350. Percent Responsible: 100%. 2012.

Update on potato postharvest physiology research. Center, CO. Number of times program was made: 1. Total number of participants: 10. Percent Responsible: 100%. 2011.

Potato postharvest physiology research. Center, CO. Number of times program was made: 1. Total number of participants: 20. Percent Responsible: 100%. 2011.

Postharvest Physiology Research update. Center, CO. Number of times program was made: 1. Total number of participants: 15. Percent Responsible: 100%. 2011.

Potato postharvest physiology research. Center, CO. Number of times program was made: 1. Total number of participants: 15. Percent Responsible: 100%. 2011.

Potato postharvest physiology Research. Center, CO. Number of times program was made: 1. Total number of participants: 15. Percent Responsible: 100%. 2011.

Postharvest Physiology Research update. Center, CO. Number of times program was made: 1. Total number of participants: 15. Percent Responsible: 100%. 2011.

•Pressure bruise in storage; and update on current research. Monte Vista, CO. Number of times program was made: 1. Total number of participants: 350. Percent Responsible: 100%. 2011.

When to harvest? Start early or finish late. Greely, CO. Number of times program was made: 1. Total number of participants: 10. Percent Responsible: 100%. 2010.

•Early indicators predict the pressure bruise incidence. Monte Vista, CO. Number of times program was made: 1. Total number of participants: 350. Percent Responsible: 100%. 2010.

Research update on pressure bruise. Center, CO. Number of times program was made: 1. Total number of participants: 25. Percent Responsible: 100%. 2009.

Pressure Bruise Research update. Monte Vista, CO. Number of times program was made: 1. Total number of participants: 10. Percent Responsible: 100%. 2009.

•Sustainable practices to prevent physiological disorders in potato storage. Monte Vista, CO. Number of



times program was made: 1. Total number of participants: 350. Percent Responsible: 100%. 2009.

Postharvest Research Report CPAC-II. Monte Vista, CO. Number of times program was made: 1. Total number of participants: 20. Percent Responsible: 100%. 2009.

“Do russets spreads powdery scab?”. Eaton, CO. Number of times program was made: 1. Total number of participants: 10. Percent Responsible: 100%. 2009.

•Management Strategies to Reduce Pressure Bruise in Canela Russet and Rio Grande Russet. Eaton, CO. Number of times program was made: 1. Total number of participants: 10. Percent Responsible: 100%. 2008.

Emerging technologies in the postharvest arena. Monte Vista, CO. Number of times program was made: 1. Total number of participants: 350. Percent Responsible: 100%. 2008.

In’s and out’s of 1, 4 DMN. Monte Vista, CO. Number of times program was made: 1. Total number of participants: 350. Percent Responsible: 100%. 2007.

### **Workshop**

Impact of Potato Postharvest Program. Adult, Alamosa, San Luis Valley, Colorado. Number of times program was made: 1. Total number of participants: 45. Percent Responsible: 100%. 4th Quarter 2014.

•“How to Manage Pressure Flattening/Bruise in the Case of Canela Russet and Rio Grande Russet Cultivars”. SLVRC, Center, CO. Number of times program was made: 1. Total number of participants: 60. Percent Responsible: 100%. 2008.

### **•Collaboration and Partnership Exchange of information with crop consultants**

Potato Postharvest. Monte Vista, CO. Number of times program was made: 1. Total number of participants: 10. Percent Responsible: 100%. 2009.

## **COMMITTEES**

(2012).

(2011).

Member RA selection committee at SLV Research Center, (2010).

Member of building and facilities planning committee, SLV Research Center, (2007 - 2008).

(2012).

(2011).

Member RA selection committee at SLV Research Center, (2010).

Member of building and facilities planning committee, SLV Research Center, (2007 - 2008).

Search Committee for Manager at SLVRC, (September 2014 - Present).

Member of committee for Goals and priorities for the department of HLA, (April 2014 - December 2014).

Search Committee at SLVRC for the position of secretary, (May 2014 - September 2014).

Search Committee at SLVRC for Research Associate, Potato Seed Certification Program, (March 2014 - September 2014).

(2012).

(2011).

Member RA selection committee at SLV Research Center, (2010).

Member of building and facilities planning committee, SLV Research Center, (2007 - 2008).

### **PROFESSIONAL AFFILIATIONS AND ACTIVITIES**

The Indian Potato Association. (2008 - 2015).

American Association for the Advancement of Science. (2010 - 2012).

American Society for Horticultural Sciences. (2010 - 2012).

American Society of Plant Biologists. (2010 - 2012).

The Produce News. (October 20, 2013).

The Produce News. (September 13, 2012).

American Journal of Potato Research. (2012 - Present).

American Society for Horticultural Sciences, Miami, FL. (2012 - Present).

Colorado Potato Administrative Committee Area III, Greeley, CO. (2012 - Present).

CPAC Potato Research Committee, Fort Collins, CO. (2012 - Present).

Food and Function. (2012 - Present).

Journal of Food Science and Technology. (2012 - Present).

Journal of Nature Science and Sustainable Technology. (2012 - Present).

LWT - Food Science and Technology. (2012 - Present).

Potato Association of America, Denver, CO. (2012 - Present).

Potato Association of America, Denver, CO. (2012 - Present).

Potato Association of America, Denver, CO. (2012 - Present).

Potato Association of America, Denver, CO. (2012 - Present).

Potato Association of America, Denver, CO. (2012 - Present).

Rocky Mountain Agriculture Conference, Monte Vista, CO. (2012 - Present).

American Journal of Potato Research. (2011 - Present).

American Society for Plant Biologists, Minneapolis, MN. (2011 - Present).

CPAC Area III, Greeley, CO. (2011 - Present).

Growers from Nicaragua, Center, CO. (2011 - Present).

Growers and potato Industry from Slovenia, Center, CO. (2011 - Present).

International Potato Processing & Storage Convention, Denver, CO. (2011 - Present).

NRCS, Center, CO. (2011 - Present).

Poatato Association of America, Wilmington, NC. (2011 - Present).

Poatato Association of America, Wilmington, NC, NC. (2011 - Present).

Poatato Association of America, Wilmington, CO. (2011 - Present).

Potato Industry and Trade Representatives from Mexico, Center, CO. (2011 - Present).

Rocky Mountain Ag conference, Montevista, CO. (2011 - Present).

Rocky Mountain Ag conference, Monte Vista, CO. (2011 - Present).

Spudman Magazine- Webinar, World wide web, CO. (2011 - Present).

Teachers from Colorado, Center, CO. (2011 - Present).

University of Minnisota, Center, CO. (2011 - Present).

American Journal of Potato Research. (2010 - Present).

Crop Consultants Breakfast meeting July 29th, 2010, Monte Vista, CO. (2010 - Present).

Farm Fresh Preharvest Meeting September 1st 2010, Alamosa, CO. (2010 - Present).

Reviewer, Ad Hoc Reviewer, HORT-CRSP. (2010 - Present).

Hortscience. (2010 - Present).

Southern Rocky Mountain Agricultural Conference, Monte Vista, CO. (2010 - Present).

Global Science Books (GSB) and Journals. (2009 - Present).

Reviewer, Ad Hoc Reviewer, Hatch Grants. (2009 - Present).

Reviewer, Ad Hoc Reviewer, Research and Education proposals for Western Sustainable Agriculture Research and Education (Western. (2009 - Present).

Reviewer, Ad Hoc Reviewer, BARD, United States - Israel Binational Agricultural Research & Development Fund. (2008 - Present).

Reviewer, Ad Hoc Reviewer, Research and Education proposals for Western Sustainable Agriculture Research and Education (Western. (2008 - Present).

Member, The Indian Potato Association. (2008 - 2015).

Committee Member, State of Colorado, Colorado. (March 2014 - October 2014).

Member, American Association for the Advancement of Science. (2010 - 2012).

Member, American Society for Horticultural Sciences. (2010 - 2012).

Member, American Society of Plant Biologists. (2010 - 2012).

Member, Potato Association of America. (2009 - 2012).

Member RA selection committee at SLV Research Center. (2010).

Committee Chair, Potato Association of America. (2009 - 2010).

Committee Chair, Potato Association of America. (2008 - 2009).

Member of building and facilities planning committee, SLV Research Center. (2007 - 2008).

Potato Association of America. (2007 - 2008).

**OTHER ACTIVITIES/ACCOMPLISHMENTS – SERVICE/OUTREACH**

Board of Directors of a Company, SLV Regional Science and Engineering Fair. (2010 - 2012).

Board of Directors of a Company, SLV Regional Science and Engineering Fair. (2009 - 2010).

Board of Directors of a Company, SLV Regional Science and Engineering Fair. (2008 - 2009).

Board Member, San Luis Valley Reagional Science Fair Board, Alamosa, Colorado. (January 2013 - Present).

Team Leader for Junior Botany judging, San Luis Valley Reagional Science Fair, Alamosa, Colorado. (January 2013 - Present).

Regional Science Fair Board. (2012 - Present).

Board Member, Regional Science Fair Board, Alamosa, Colorado. (July 1, 2013 - June 30, 2014).

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