

Brief Bio-grapical Article:

Dr. Raj Khosla is the Colorado State University Monfort Professor. He is a Professor of Precision Agriculture in the Department of Soil & Crop Sciences, at Colorado State University (CSU). In addition, Dr. Khosla is a Visiting Professor at Precision Agriculture Research Chair, King Saud University in Riyadh, Saudi Arabia, and an “Adjunct Scientist / Visiting Professor” at the National Engineering Research Center for Information Technology in Agriculture (NERCITA), in Beijing, China.

Dr. Khosla has established a multi-disciplinary, multi-agency, extramurally funded, nationally and internationally recognized, comprehensive research, teaching and extension program in the area of Precision Agriculture at Colorado State University. His main focus has been on “Management of in-field soil and crop spatial variability using innovative technologies (such as Global Positioning Systems or GPS, Geographic Information Systems or GIS, and Remote-sensing) for variable rate precision nutrient management”.

Dr. Khosla has authored and co-authored over 200 publications (book chapters, refereed journal articles, extension articles, proceedings, bulletins, reports, popular press articles, digital media, and others). Dr. Khosla has been successful in generating over \$4.5 million of funding (as a PI and Co PI) from federal, state, private and international agencies. His research, teaching and extension efforts have been recognized widely. Dr. Khosla has been invited to several countries around the world for Keynote presentations and research collaborations. He is a invited Keynote speaker for a special symposium at the World Congress of Soil Science in Brisbane, Australia in August 2010. Likewise, he was the invited speaker at the 3rd Asian Conference on Precision Agriculture, in Beijing, China (2009), and the Keynote speaker at the International Conference on Environment Sustainability and Food Security in India in 2009. Previously, the Trade Commissioner of Canada invited Dr. Khosla to be the Keynote Speaker at the 2008 Agri-Tech Seminar of Canada, in Saskatchewan, Canada. Likewise, in 2007, he was chosen as an expert by the USDA-FAS (Foreign Ag Services) delegation to India, to assist Indian government in formulating a capacity building program under a joint US-India Agricultural Knowledge Initiative.

Recently, the American Society of Agronomy in their monthly international newsletter reported that “*Dr. Raj Khosla is a recognized authority in the field of Precision Agriculture*”. In the last five years Dr. Khosla has been recognized with 14 national and international awards, including the most recently awarded the CSU Distinguished Monfort Professorship. Likewise, the 2008 Distinguished Visionary Leadership Award for the Western region of the US, by the National Honor Society of Extension, Epsilon Sigma Phi. In 2007, he received the Lloyd R. Frederick Soil Science Award by the Soil Science Society of America, the 2007 State Visionary Leadership Award for the State of Colorado, the 2006 Award for Innovative Excellence in Teaching Learning and Technology, in Jacksonville, Florida, and the 2005 Syngenta Crop Protection International Award by the American Society of Agronomy, and the Distinguished Educator Award of the Year 2005, by Rocky Mountain Agribusiness Association, Colorado.

Dr. Khosla is the Chairperson for the 9th and 10th International Conference on Precision Agriculture and is the immediate past-president of the Western Society of Soil Science, which includes Western -Canada, -US, and -Mexico, and is the Past President of the CSU chapter of Gamma Sigma Delta International Honor Society of Agriculture. He is an Associate Editor of the Soil Science Society of America Journal and is on the editorial board of the International Journal of Precision Agriculture. He is a member of numerous scientific societies, such as American Society of Agronomy, Soil Science Society of America, Sigma Xi, Gamma Sigma Delta, Epsilon Sigma Phi, and International Society of Soil and Water Conservation.

Dr. Raj Khosla
Department of Soil & Crop Sciences
Colorado State University, Ft. Collins, CO 80523-1170
Phone (970) 491-1920; Fax (970) 491- 2758; Email: raj.khosla@colostate.edu
Internet: <http://soilcrop.colostate.edu/khosla/index.html>

Education:

2006: LEAD21, Developing Leaders of the 21st century. Fanning Institute of Leadership Development, University of Georgia, Atlanta.
1998 Ph.D. Soil Fertility & Crop Mgmt. Virginia Tech, VA
1995 M.S. Soil Physics Virginia Tech, VA
1992 B.Sc. Agricultural Sciences University of Allahabad, India.

Professional Experience:

07/2010 – present Professor of Precision Agriculture
06/2009 – present: Colorado State University Monfort Professor
03/2010 – present Visiting Professor, Precision Ag Research Chair, KSU, Riyadh, Saudi Arabia
06/2009 – present: Visiting Professor, NERCITA, Beijing, China.
07/2005 – 06/2010: Associate Professor, Precision Agriculture, Colorado State University, CO.
09/1999 – 06/2005: Assistant Professor, Precision Agriculture, Colorado State University, CO.
01/1998 – 08/1999: Research Associate, GPS/GIS Cropping Systems Project, Virginia Tech, VA.
08/1993 – 12/1997: Graduate Research Assistant, Crop & Soil Environmental Sciences, VA Tech

Honors and Awards:

- 2010 Soil Conservation Research Award, Soil & Water Conservation Society, St. Louis, MO
- 2010 “Outstanding Alumni” College of Agricultural Sciences, Virginia Tech, VA.
- 2009 Colorado State University Distinguished Monfort Professorship for 2009-2011.
- 2008 Epsilon Sigma Phi Distinguished Visionary Leadership Award for the US Western Reg.
- 2007 Lloyd R. Frederick Soil Science Teaching Travel Award, Soil Science Society of Amer.
- 2007 Epsilon Sigma Phi Visionary Leadership Award for the State of Colorado
- 2006 Award for Innovative Excellence in Teaching Learning and Technology, Jacksonville, FL
- 2006 Distinguished Educator Award of the Year 2005, Rocky Mountain Agribusiness Assoc.
- 2005 Syngenta Crop Protection International Award, American Society of Agronomy, WI
- 2005 State Early Career Extension Service Award, Epsilon Sigma Phi
- 2005 Selected for LEAD21 National Program, Agricultural Leaders of the 21st Century
- 2004 Outstanding Young Scientist Award, AASIO, Seattle, Washington.
- 2004 Award of Excellence, Educational Materials Program, ASA, Seattle, WA.
- 2004 Charles N. Shepardson Teaching Award, College of Agricultural Sciences, CSU.
- 2004 “Faculty Award of Merit” Gamma Sigma Delta National Honor Society for Ag.
- 2004 Certificate of Appreciation, Office of International Programs, Colorado State Univ.
- 2003 Young Scientist Award, Soil Science Society of America, Division S-6.
- 1999 Best Dissertation Award Sigma-Xi Scientific Research Society.
- 1999 Graduate Dissertation Award, Gamma Sigma Delta Honor Society of Agriculture.
- 1998 The Fertilizer Institute Scholarship Award, sponsored by Int’l Fertilizer Dev. Center.
- 1998 Charles I. Rich Graduate Research Fellowship Award, 1998.
- 1998 Recognition of Teaching Excellence, University Writing Program.