

Dr. Ajay K Jha

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Education:

Patna University, India,	Plant Science	BS	1988
Patna University, India	Plant Science	MS	1990
University of Delhi, India	Agricultural Biotechnology	PhD	1997
Colorado State University	Business Administration	MBA	2007

Primary research and extension efforts are focused on limited water irrigation Agroecosystems, biological invasion and management, farm enterprise management, demonstration and technology transfer. Our special focused is on sustainable agriculture and regional economic development under scarce global water resource. He has experience of working more than 6 years with hi-tech agriculture farm demonstration, technology innovation and transfer.

Professional Experience:

01/2007-till date: Research Scientist, Department of Agricultural Resource & Economics, Colorado State University

01/2006-12/2006: Teaching and Research Assistant, College of Business, Colorado State University

02/ 2002-12/2005: Postdoctoral Researcher, USDA-ARS research program on (a) germplasm conservation, (b) identification of invasive plant species on rangeland ecosystem, conservation and restoration of native plants, Department of Horticulture, Colorado State University

4/2000-11/2001: Consultant Advisor, Agriculture and Rural development, Confederation of Indian Industry and Consulting Engineering Services, New Delhi, India.

09/1996 – 3/ 2000: Advisor, Department of Agriculture and Rural development, Israeli embassy, New Delhi, India.

10/1991-8/1996 Senior Research Fellows for research program on impact of salinity and ecological environment on leguminous bioenergy plant, *sesbania rostrata*, Department of Botany, University of Delhi, India.

Awards:

University Grant Commission of India, Senior Research Fellow Award, India 1994-1996, Council of Scientific Industrial Research (CSIR) Fellowship 1991-1993; North American Sustainable Venture Award, CU Boulder, USA, 2006; Bard Center Innovation Award, CU Denver USA, 2006.

Training:

UNO sponsored Asian desertification and drought training, New Delhi, India, 1996; Pressurized irrigation training, Israel, 1998; Agriculture development and water irrigation program, Israel, 1999; International Agricultural and rural development program, India, 1999; Irrigation and agriculture management training by IIPM-UPASI and Netafim, Coonoor, India, 1997; Hi-tech Agriculture in India, Tamilnadu Agriculture University, Coimbatore, India, 1997.

Consulting Projects:

Developing early warning system for monitoring Indian Agriculture Project, India; Strengthening of Modern Agro-Market Complex and value addition Center, MP Agriculture Marketing Board,

India; Indo-Israel Agriculture and scientific program, New Delhi, India; Center for Agriculture Technology Assessment and Transfer demonstration farm, IARI, New Delhi, India; Integrated Regional Rural Planning and Development Planning (IRRDP), Orissa, India; Uganda fisheries development project for African development bank (AfDB); AFRAM Plains development for the Ghana Agriculture & environment consolidation projects; AfDB Ghana Ministry of Food and Agriculture project, OED University, Office of Economic Development, City and County of Denver.

Visiting Faculty Experience:

1. Program on “Agriculture technology and agribusiness projects evaluation” National Institute of Banking Studies and Corporate Management, Noida, New Delhi, India, 2000-2001.
2. Program on “Microfinance for rural enterprises”, Oriental Bank of Commerce Training Center, New Delhi, 1999-2000.
3. Course for “Hi-tech agriculture production, export oriented units and project financing”, Banker Institute of Rural Development, Lucknow, India, 1998-2000.

List of Publications:

- Pritchett, J., N. Hansen, D. Westfall, T. Bauder, J. Ascough III, **A. Jha**, G. Buchleiter.
Developing Economically Sustainable Cropping Strategies for Small and Medium Sized Farms: An Update. Poster presented at USDA-NRI-Small and Medium Sized Farms Project Directors Meeting, March 8-9, 2007, Washington, D.C.
- Jha, A.K.** Bihar-opportunity for development: vision 2010. Agribusiness Opportunities and Challenges for Regional Rural Development in State of Bihar, India. Bihar times, May 1, 2006.
- Jha, A.K.**; Prakash S.; Jain N.; Nanda K.; Gupta S.C. 2004. Micro propagation of *Sesbania rostrata* from the Cotyledon Node. **Biol. Plant.** **48**: 289 - 292.
- Jha, A.K.**; Prakash, S.; Jain, N.; Nanda, K.; & Gupta, S.C. 2004. Micro propagation of *Sesbania sesban* from the mature tree-derived explants. **Biol. Plant.** **47**: 121-124.
- Jha, A.K.**; Prakash, S.; Jain, N.; Nanda, K.; & Gupta, S.C.2002. Production of adventitious shoots and plantlets from the hypocotyls explants of *Sesbania rostrata* (Bremek & Obrem.). **In Vitro Cell. Dev. Biol.-Plant.** **38**: 430-434.
- Jha, A.K.**; Nanda, K. & Gupta, S.C. 1994. Rapid micro propagation of *Sesbania rostrata* via juvenile explants. In: **Proceeding of 4th Annual Symposium on Biotechnology and Human Society.** P.132-136.
- Jha, A.K.**; Nanda, K. & Gupta, S.C. 2002. In Vitro morphogenesis of mature nodal explants of *Sesbania sesban*. In: **10th IAPTC & B Congress (Orlando, USA).** P. 134A.
- Jha, A.K.**; Philips, S. & Nanda, K. 1995. In vitro selection of salt tolerance plants in *Albizia richardiana*. In: **International Biotechnology Conference (Katmandu, Nepal).** P. 6

- Jha, A.K.;** Nanda, K. & Gupta, S.C. 1994. Rapid micro propagation of *Sesbania rostrata* via juvenile explants. In: **8th International Congress of Plant Cell and Tissue Culture (Firenze, Italy)**. P. 36
- Jha, A.K.;** Nanda, K. & Gupta, S.C. 1993. Mass micro- propagation of *Sesbania rostrata* Bremek. & Oberm via cotyledonary node explants. In: **1ST Asia-Pacific Conference on Plant Cell and Tissue Culture (Taejon, Korea)**. P. 40
- Jha, A.K.;** Nanda, K. & Gupta, S.C. 1993. *In vitro* selection of salt tolerant plantlets of *Albizia richardiana* – a leguminous tree. In: International Union of forest research organization's Workshop on **“Advances in Tree Development Control & Biotechniques (Beijing, China)**. P. 26
- Jha, A.K.;** Nanda, K. & Gupta, S.C. 1993. High frequency plantlet formation in *Sesbania rostrata* hypocotyls explants. In: **XV International Botanical Congress (Tokyo, Japan)**. P. 531