

Amol N. Nankar

Texas A&M AgriLife Research, 1102 East F.M. 1294, Lubbock, TX-79403
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Summary: Plant breeder with 5+ years of corn breeding experience working with diverse landraces, inbreds and hybrids of corn from USA, Germany, Peru and India.

Academic Credentials:

Ph.D., Plant and Environmental Science, December 2015

New Mexico State University, Las Cruces, NM

M.S., Genetics and Plant Breeding, June 2009

G. B. Pant University of Agriculture & Technology, Pant Nagar, India

B.S., Agricultural Science, June 2007

Dr. Panjabrao Deshmukh Agricultural University, Akola, India

Research Interests:

Breeding for Abiotic Stress, Germplasm Enhancement, Breeding Trials and Variety Release

Achievements and Awards:

- **Outstanding Graduate Assistant Award**, New Mexico State University. April 2015
- **Blythe William Mayfield Graduate Scholarship Award**, Mayfield Memorial Endorsement. October 2014
- **Merit-Based Enhancement Award**, New Mexico State University. April 2014
- Indian Council of Agricultural Research, **Junior Research Fellow Award**. July 2007
- **ASA, CSSA, SSSA 2nd Annual Graduate Student Leadership Conference**, Nov 14-15, 2015

Certifications: The following certifications are part of nine-course Data Science Specialization Certification authorized by Johns Hopkins University through Coursera Certifications

The Data Scientist's Toolbox

Licence Number: J7XW69NGVRJG

Getting and Cleaning Data

Licence Number: SM27WPJ2ZK7Y

Reproducible Research

Licence Number: MYMZPKW6YL34

Regression Models

Licence Number: KNHBL5P9D6G4

Developing Data Products

Licence Number: NBX4JTCT7KW2

R Programming

Licence Number: BQ8XQKBQ6WZ3

Exploratory Data Analysis

Licence Number: 55KSJ4G7GXDF

Statistical Inference

Licence Number: 79WQZLKDA52D

Practical Machine Learning

Licence Number: N8HK4E3GNBMG

Data Science Capstone Project

In Progress

TECHNICAL SKILLS: Manage Operational Aspects of Breeding, Organize Yield Test Network, Design Breeding Schemes, Field Scouting, Seed Inventory and Winter Nursery Management

IT Breeding System: Database Management, R, ARM (Agricultural Research Manager), and SAS

LEADERSHIP: Project Management, Strategic Planning, Establish Synergistic Collaborations

RESEARCH EXPERIENCE:

Texas A&M AgriLife Research and Extension Center – Lubbock, TX

Post Doctoral Research Associate, February 2016 to present

Responsibilities:

- Manage breeding nurseries to develop and release corn inbreds and hybrids
- Oversee and coordinate multi-location hybrid trials
- Prepare research proposals, research protocols, technical reports and publications

- Lead the collaborative research on early corn and drought tolerance

Department of Plant and Environmental Sciences, New Mexico State University – Las Cruces, NM
Research Assistant, August 2011 to January 2016

- Implemented and managed the field and laboratory research on characterization of anthocyanin from Southwestern blue corn landraces
- Managed winter nursery in Puerto Rico and summer nursery in New Mexico
- Doctoral Dissertation “Comprehensive Analysis of Agronomic, Biochemical and Genotypic Diversity of Southwestern U.S. Blue Corn”

Institute of Plant Breeding, Seed Science and Population Genetics, University of Hohenheim – Stuttgart, Baden-Württemberg, Germany

Student Assistant, November 2010 to July 2011

- Involved in collection of phenotypic data and breeding of Peruvian landraces
- Other duties included tissue sample collection, DNA extraction and gel electrophoresis

Department of Genetics and Plant Breeding, G.B.P.U.A.&T. Pant Nagar, India

Junior Research Fellow, July 2007 to June 2009

- Involved in coordinated corn yield trials
- Thesis: “Study of Genetic Parameters in corn through Varietal Diallel”

PUBLICATIONS:

Peer-Reviewed Publications:

- **Amol Nankar**, Lois Grant, Paul Scott and Richard Pratt. Agronomic and Kernel Compositional Traits of Blue Maize Landraces from the Southwestern United States (*Crop Science*). doi: 10.2135/cropsci2015.12.0773.
- **Amol Nankar**, Barry Dungan, Neil Paz, Nilusha Sudasinghe, Tanner Schaub, F. Omar Holguin and Richard Pratt. Quantitative and Qualitative Evaluation of Anthocyanins from Southwestern US Blue Corn. (*J.Sci Food Ag.*). doi: 10.1002/jsfa.7671.
- **Amol Nankar**, F. Omar Holguin, Paul Scott and Richard C. Pratt. Grain and Nutritional Quality Traits of Southwestern U.S. Blue Maize Landraces. (In Review: *Cereal Chemistry*).

Conference Papers:

- **Amol Nankar**, D.C.Baskheti.2011. Study of genetic parameters in corn through varietal diallel. Study of carotenoid content from maize kernel through spectrophotometry and thin layer chromatography. 11th Asian Maize Conference, Nanning, China. 171-172 and 336-337.
- **Amol Nankar**, F. Omar Holguin, Barry Dungan and Richard C. Pratt. 2014. Evaluation of Anthocyanin from Borderland Blue Corn Landraces. Triple Society International Annual Meeting, Long Beach, CA.
- **Amol Nankar**, Lois Grant, Paul Scott and Richard C. Pratt.2015.Comprehensive Analysis of Agronomic and Biochemical Traits of Blue Corn.5th Annual Meeting of National Association of Plant Breeders, Pullman, WA.
- **Amol Nankar** and Richard C. Pratt.2015.Racial Classification of Borderland Blue Corn.Triple Society International Annual Meeting, Minneapolis, MN.

PROFESSIONAL AND HONOR SOCIETIES:

- ASA, CSSA and SSSA:
 Member - C953 International Crop Science Committee (Jan 2014 - Dec 2016)
 Member - AC540 Career Corps Committee (Jan 2015 - Dec 2017)
 Member - ACS466 Golden Opportunity Scholars and Mentor Selection (Jan 2017 – Dec 2018)
- National Association of Plant Breeders (NAPB): July 2015 - June 2016
 Organizer- Plant Breeding Webinar Series Coordination Committee
- Gamma Sigma Delta (The Honor Society of Agriculture).