TEXAS STATE VITA

I. Academic/Professional Background

A. Name and Title

Name: Dr. Sejuti Mondal Title: Asst Professor of Instruction

B. Educational Background

Degree	*Year*	*University*	*Major*	*Thesis/Dissertation*
PHD	2020	Texas A&M University	Plant Breeding	

II. TEACHING

A. Teaching Honors and Awards:

Award / Honor Nominee: The Alfred H. Nolle Chapter of the Alpha Chi National College Honor Society Favorite Professor.
2025
Award-1.jpg

B. Courses Taught:

Texas State University:

AG 2101 - CROP SCIENCE LABORATORY

AG 2301 - CROP SCIENCE

AG 2313 - AGRONOMIC CROPS

AG 2379 - GEN HORT

AG 2390 - COMP APP IN AGRI

AG 3304 - PROP HORT PLANTS

AG 4302 - FRUIT VEG CROP PRO

AG 4310 - AG INTERNSHIP

AG 4401 - GENETICS BREEDING CROP SELEC

AG 5199B - THESIS

AG 5299B - THESIS

AG 5310 - RESEARCH METHODS

AG 5370 - SPEC PROB TECH AG

AG 5399A - THESIS

AG 5399B - THESIS

AG 5599B - THESIS

C. Directed Student Learning (i.e. theses, dissertations, exit committees, etc.):

Member, Master's Thesis, Status: In Progress. (January 2025 - Present). Dept of Agricultural Sciences, Texas State University.
Student(s): Sahara Panta, Graduate, MS.

Additional Comments: I put myself as a committee member for the time being; later on, I will update it if I am co-chair of this committee.

Member, Master's Thesis, "Cover crop adaptation: Recent trends, information needs, and barriers to implementation", Status: In Progress. (August 2024 - Present). Dept of Agricultural Sciences, Texas State University.
Student(s): Ramesh Giri, Graduate, MS.

Additional Comments: I put myself as a committee member for the time being; later on, I will update it if I am co-chair of this committee.

Supervisor / Chair, Master's Thesis, "Phenotyping Rice GWAS Lines for Root Architecture Under Cold Conditions", Status: Completed. (August 2022 - December 2024). Department of Agricultural Sciences, Texas State University.
Student(s): Ruby Shaikh, Graduate.

Co-Supervisor, Master's Thesis, "GENOME-WIDE ASSOCIATION STUDIES (GWAS) AND MOLECULAR MARKER IDENTIFICATION FOR AGRONOMIC TRAITS IN RICE", Status: Completed. (September 2022 - December 2023). Department of Agricultural Sciences, Texas State University.
Student(s): Rushika Chepuri, Graduate, MS.

Co-Supervisor, Master's Thesis, "MOLECULAR MARKER IDENTIFICATION FOR YIELD CONTRIBUTING TRAITS IN RICE THROUGH GWAS STUDY", Status: Completed. (August 2022 - December 2023). Department of Agricultural Sciences, Texas State University.
Student(s): Priyanka Uppalanchi, Graduate, MS.

Member, Master's Thesis, "A Comparative Study on the Effects of Arbuscular Mycorrhizal Fungi on Tripsacum dactyloides, Zea diploperennis, and Zea mays", Status: Completed. (January 2022 - December 2023). Department of Agricultural Sciences, Texas State University.
Student(s): Kailyse Besse, Graduate, MS.

Member, Master's Thesis, "ASSESSMENT OF SOIL PROPERTIES AND YIELD ATTRIBUTING PARAMETERS OF POTATO IN LEGUME INTERCROPPING AND SILICON APPLICATION IN TEXAS, UNITED STATES", Status: Completed. (January 2022 - July 2023). Department of Agricultural Sciences, Texas State University.
Student(s): Binod Joshi, Graduate, MS.

D. Courses Prepared and Curriculum Development:

AG 5370: Special Topic: Agricultural Genetics, New Course, Texas State University. Taught: January 2023 - Present.

Additional Comments: This was a new course first offered in Spring 2023. I have prepared new materials (Course outline) for the Agricultural Genetics course.

AG 4401: Genetics and Breeding for Crop Selection, New Course, Texas State University. Taught: January 2021 - January 2024.

Additional Comments: I have solely developed the curriculum for this course, including course and lab outline development. It was a new course first offered in Spring 2021.

F. Other:

Student Accomplishments:

Award:

Supervisor, Student Research Poster Competition. "Phenotyping Rice GWAS Lines for Roots Architecture Under Cold Condition," 75th Annual Rice Field Day, Beaumont, Texas. Status: In Progress. (July 13, 2023). Department of Agricultural Sciences, Texas State University.
Student(s): Rubeena Yasmin Shaik, Graduate, MS in Integrated Agriculture (Crop Science).

G. Teaching Professional Development Activities Attended

Workshop, "Expand AI / CIMER Entering Mentoring Workshop," Center for Analytics and Data Science (CADS) and the Graduate College, Texas State University, San Marcos, TX, United States. (May 16, 2025 - Present).

Additional Comments: I attended the session on **May 16, 2025**, but was unable to attend the **May 19** session due to a scheduled medical appointment during the third trimester of my pregnancy.

Workshop, "Applied AI Summer Workshop," Center for Analytics and Data Science (CADS), Texas State University, San Marcos, TX, United States. (May 16, 2025 - May 19, 2025).

Workshop, "Application of Data Science and AI," Texas State University, San Marcos, TX, United States. (May 8, 2025 - May 10, 2025).

III. SCHOLARLY/CREATIVE

A. Works in Print (including works accepted, forthcoming, in press):

2. Articles:

a. Refereed Journal Articles:

Mondal, S., Vaughn, R., Septiningsih, E., Singh, R. K., & Thomson, M. (Published). Identification of QTLs for reproductive stage salinity tolerance in rice using a cross between CSR28 and BRRI dhan28. *Crop Science*. https://doi.org/https://doi.org/10.1002/csc2.70014

Singh, G., Das Jyoti, S., Uppalanchi, P., Chepuri, R., Mondal, S., Harper,, C. L., … Talukder, S. K. (2024). Genomic regions associated with flag leaf and panicle architecture in rice (Oryza sativa L.). *BMC Genomics*. Published. https://doi.org/https://doi.org/10.1186/s12864-024-11037-z

Signh, G., Jyoti, S., Uppalanchi, P., Chepuri, R., Mondal, S., Harper, C., … Talukder, S. (2024). Genomic regions associated with flag leaf and panicle architecture in rice (Oryza sativa L.). *BMC Genomics*, *25*(1200). https://doi.org/doi.org/10.1186/s12864-024-11037-z
s12864-024-11037-z-1.pdf

B. Works Not in Print:

13. Other Works not in Print:

a. Works "submitted" or "under review":

Journal Articles:

Deb Sharma, S. K., Singh, G., Das, S., Velamuri, G. I. L., Mondal, S., Saha, M., & Talukder, S. (Submitted / Under Review). Ratoon Rice: The

Perspectives of Breeding, Multi-omics Strategies, and Agricultural Sustainability. *Rice*. (September 24, 2025)

c. Other Works Not in Print:

Co-Authors:

Mondal, S., 39th Rice Technical Working Group (RTWG),, "Molecular marker identification for panicle traits in rice through GWAS.," Hotsprings, AK, United States. (February 21, 2023).

Posters:

Chepuri, R. (TA), Mondal, S. (Lecturer), Singh, G. (Postdoctoral Research Associate (rice), Texas A&M Agrilife Research Center at Beaumont), Mix, K. D. (Associate Professor), Uppalanchi, P. (GTA), Harper, C. L. (Research Assistant, Texas A&M Agrilife Research Center at Beaumont), Samonte, S. O. P. (Associate Professor, Texas A&M Agrilife Research Center at Beaumont), Sanchez, D. (Assistant Research Scientist, Texas A&M AgriLife Research Center at Beaumont), Talukder, S. K. (Assistant Professor, Texas A&M AgriLife Research Center at Beaumont), ASA CSSA SSSA Annual Meeting, "GENOME-WIDE ASSOCIATION STUDIES (GWAS) AND MOLECULAR MARKER IDENTIFICATION FOR AGRONOMIC TRAITS IN RICE," St. Louis, Missouri, St. Louis, MO, United States. (2023).

Uppalanchi, P. (Graduate Student), Mondal, S. (Lecturer), Singh, G. (Postdoctoral Research Associate (Rice), Texas A&M Agrilife Research Center at Beaumont), Mix, K. D. (Associate Professor), Chepuri, R. (Graduate Student), Samonte, S. O. (Associate Professor, Texas A&M Agrilife Research Center at Beaumont), Sanche, D. (Assistant Research Scientist, Texas A&M Agrilife Research Center at Beaumont), Talukder, S. K. (Assistant Professor, Texas A&M Agrilife Research Center at Beaumont), ASA CSSA SSSA Annual Meeting, "Investigating Diverse Rice Germplasm for Yield Related Traits Associated with Panicle Architecture," St. Louis, Missouri, St. Louis, TX, United States. (2023).

Chepuri, R. (TA), Singh, G. (Postdoctoral Research Associate (Rice), Texas A&M Agrilife Research Center at Beaumont), Mondal, S. (Lecturer), Wagner, N. C. (Associate Professor), Uppalanchi, P. (GTA), Harper2, C. L. (Research Assistant, Texas A&M Agrilife Research Center at Beaumont), Samonte, S. O. P. (Associate Professor, Texas A&M Agrilife Research Center at Beaumont), Sanchez, D. (Assistant Research Scientist at Texas A&M AgriLife Research at Beaumont), Talukder, S. K. (Assistant Professor, Texas A&M AgriLife Research at Beaumont), 75th Annual Rice Field Day, "Diverse Rice Accessions: Exploration for germplasms with

Important Agronomic Traits for breeding use," Texas A&M AgriLife Research Centre, Texas A&M AgriLife Research Centre, Beaumont, TX, United States. (July 13, 2023).

Uppalanchi, P. (GTA), Mondal, S. (Lecturer), Singh, G. (Postdoctora lResearch Associate (Rice), Texas A&M Agrilife Research Center at Beaumont), Mix, K. D. (Associate Professor), Chepuri, R. (TA), Harper, C. L. (Research Assistant, Texas A&M Agrilife Research Center at Beaumont), Samonte, S. O. P. (Associate Professor, exas A&M Agrilife Research Center at Beaumont), Sanchez, D. (Assistant Research Scientist, Texas A&M AgriLife Research at Beaumont), Talukder, S. K. (Assistant Professor, Texas A&M AgriLife Research at Beaumont), 75th Annual Rice Field Day, "Exploring diverse rice germplasm for suitable panicle architecture," Texas A&M AgriLife Research Centre, Texas A&M AgriLife Research Centre, Beaumont, TX, United States. (July 13, 2023).

Shaik, R. Y. (Graduate Student), Singh, G. (Postdoctoral Fellow), Mondal, S. (Supervisor), Mix, K. D., Harper, C., Samonte, S. O. P., Sanchez, D., Talukder, S. (Committee Member), 75th Beaumont Field Day, "Phenotyping Rice GWAS Lines for Roots Architecture Under Cold Condition," Texas A&M AgriLife Research Station, Texas A&M AgriLife Research Centre, Beaumont, TX, United States. (July 13, 2023).

Additional Comments: Shaik Ruby achieved 2nd prize in student-poster competition.

C. Scholarly / Creative Grants and Contracts:

1. Funded External Grants and Contracts:

Omana Sudhakaran, Pratheesh O (Principal), Percent Contribution: 20%, Backstrom, Jesse Donald (Co-Principal), Percent Contribution: 15%, Chen, Oai Li (Co-Principal), Percent Contribution: 45%, Mondal, Sejuti (Co-Principal), Percent Contribution: 15%. Empowering Communities: Gender Inclusive Socio-technical Co-management Solutions for Nutrition and Poverty in Bangladesh's Seasonal Floodplains, United States Agency for International Development, Federal, $500,000.00. (Funded: November 2024 - Present). Grant.

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

Mondal, Sejuti (Co-Principal), Mix, Kenneth D (Principal), Gard, Ernest R (Co-Principal), Ali, Lokman (Principal). Intergraded Aquaculture-Agriculture Production and Management for the Improvement of Livelihood and Nutrition Status of Marginalized Coastal Communities in Bangladesh, Federal. Grant.

Mondal, Sejuti (Principal), Kunda, Mrityunjoy (Principal), Deb, Uttam (Co-Principal), Thilsted, Shakuntala Haraksingh (Supporting). Introducing saline tolerant rice-shrimp culture system in the coastal area of Bangladesh, Federal. Grant.

3. Funded Internal Grants and Contracts:

Carter, Kamarie B, Adi, Mohamad Nadim, Perkins, Alexandra Gonzenbach, Royal, Cindy L, Evans, Mark William, Burke, Patricia Jean, Shroff, Piyush Ravindra, Hustvedt, Gwendolyn, Rathore, Heena, Blasingame, Dale C, King, Jennifer Anne, Van Loan, Zengara A, Moon, KeriAnne Mauch, Forsythe, Michelle Elizabeth, Taylor, Adrienne, Mondal, Sejuti. CAP: Expanding AI Curriculum and Infrastructure at Texas State University to Advance Interdisciplinary Research and Grow a Diverse AI Workforce, NSF, Federal, $1,500.00. (Funded: December 2025 - Present). Grant.

E. Scholarly / Creative Professional Development Activities Attended:

Leadership Training, "Monsanto’s Beachell-Borlaug International Scholars Leadership Development Program," Monsanto's Beachell Borlaug International Scholars Program, Des Moines, IA, United States. (September 2016 - Present).

Reviewer of Plos One, "Two regions, two lineages: Untangling two centuries of confusion between Machilus glaucescens and M. macranthus (Lauraceae) through integrative taxonomy." (December 2025 - January 2026).

IV. SERVICE

A. Institutional

3. Department/School:

Member, Search Committee Member for recruiting Assistant Professor of Instruction. (December 12, 2025 - Present).

Participant, Bobcat Day. (November 22, 2025 - Present).

Co-advisor, Texas State Hortus Colere. (February 2024 - Present).

Judge, Career Development Event. (March 2023 - Present).

Additional Comments: I served as a judge in AG sale event of Career Development Event (CDE).

Participant, Bobcat Day. (November 2022 - Present).

co -advisor of the Club, Plant Sale Event. (November 14, 2025 - November 15, 2025).

Participant, Bobcat Day. (October 26, 2024).

Participant, Bobcat Day. (February 17, 2024).

D. Organization Memberships:

ASA CSSA SSSA International Annual Meeting (Americal Society of Agronomy, Crop Science Society of America and Soil Science Society of America). (November 2021 - Present).