



Aniruddha Banerjee

Manager - Grain Quality & Varietal Breeding

With over a decade of experience in the field of agriculture, Built a successful career so far, primarily focused on techno-commercial roles, specializing in seed reserach & production, product development, strategic planning. My expertise lies in the cultivation of rice, which has been the cornerstone of my professional journey. Throughout my career, received opportunity manage various projects, encompassing market expansion, commercial seed production, and infrastructure development.

I am currently seeking a career transition to a senior-level position with expanded responsibilities in a techno-commercial capacity. I am eager to leverage my technical expertise and strategic mindset to drive further success and innovation in the agricultural industry. My goal is to contribute significantly to an organization's growth and play a key role in shaping the future of the agricultural sector from a commercial perspective.

I aim to continue my journey of promoting sustainable and productive agricultural practices while ensuring commercial viability and growth. I am committed to embracing new opportunities, sharing my knowledge, and fostering positive change in the agriculture industry

CONTACT DETAILS

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Present Location:

Hyderabad, Telangana, India.

Linked In:

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SKILLS

- Tech. Operations Management
- Project Concept & Process Development
- Product Testing & Proposition
- Data Analysis
- Quality Analysis
- Process Design & Innovation
- Team Work & Communication
- Technical Management
- Coordination
- Project Monitoring & Solutions
- Interpersonal Skills

AWARDS

- **Value Award; 2021**
Savannah Seeds Pvt Ltd
(Working on Rice Mill Project, Punjab with Sales & Marketing Team)
- **Best Performance Award (R&D); 2017**
PAN Seeds Pvt Ltd

ACHEIVEMENTS

- Establishment of Anther Culture Lab in Pan Seeds Pvt Ltd (2017)
- Proliferate Grain Quality Operation in Savannah Seeeds (2020)
- Streamline Varietal Rice Breeding Programme with modern approaches in 2023. Advancement of 5 products.
- Application based operation for Lab & Seed (Gene) Bank activities in Savannah Seeds (2023-24)

KEY COMPETENCIES

- **Product Development:** Product development in the realm of commercial breeding, particularly in varietal paddy development, through Product concept and analysis. Working with the core team in product planning and advancement propositions, Marker & Quality Lab data assesmet w.r.t Product Development. Coordinated with government institutions to secure germplasm resources for breeding projects. Identify & advancement of 5 products (inbred rice) to cater the need of 57K MT market size
- **Interdepartmental Coordination:** Excelled in fostering collaboration among research, production, marketing teams, and various stakeholders, ensuring a cohesive approach product development and advancement. Planning, Preparation & Follow up of Capital & Operational Budgets
- **Stakeholder Engagement:** Undertaken projects to raise stakeholder awareness, fostering strong relationships that support business development goals. Technical Coordination with Govt Institutes, & awarneness programmes with Farmers, Rice Millers etc to support the Business.
- **Infrastructure Development:** Involved the management of infrastructure projects & pocesses, which have resulted in efficient agricultural technology support & mechanisation. Grain Quality, DH lab set, Green House. Cross country Process alignment for Lab and Gene Bank (Seed Bank) for global alignment. Establishment of App (web-app) based Lab Gene Bank (Seed Bank) operation. People recruitment. Streamlining of Process
- **Grain Quality & Market Specific Placement:** Conducted comprehensive studies on grain quality in rice, wheat, and mustard, focusing on biofortification, nutritional quality, rice bran oil percentage, and its significance in diverse markets. Technical Support in Product Proposition & Placements.
- **Global Collaboration:** Effective & routine communication and alignment with global research and development teams, contributing to process improvements and innovation.
- **Data Analysis and Market Studies:** Proficiency in data interpretation, data comparison, statistical analysis. **Technical Analysis** - Effective Population Size, CV & STDev, GWAS Mapping, Correlation of traits etc. **Market Analysis** - Product Concept Design, Steamlining Product Dev. & Testing, Market Gaps, Product Positioning.

EXPERIENCES

Manager - Grain Quality & Varietal Breeding

- Savannah Seeds Pvt Ltd. (Hyderabad, Telangana)
- Jul-2019 to present (Initially posted at Sonipat, Haryana; 2019-2022)
- Varietal Rice Breeding & GQ Operations management, Product Development & Pipeline Management, Inter-Dept Coordination, project Management, Process Design & Alignment with Global R&D. Trial Data Analysis. Working in Internal Database System, Technical Training to Sales & Marketing, Product advancement and Proposition. Framing up the Indian Grain Quality and Inbred Rice Breeding Programme. Alignment of Gene Bank (Seed Bank) operations with Indian & Global Stake holders. Preparation & follow-up of Capital & Operations Budgets.

Manager - R&D

- Bengal Seeds & Agro Industries Pvt Ltd (Hooghly, West Bengal)
- Jan 2018 - Jul 2019
- R&D Operations & Planning, Foundation Seed Poduction and Technical coordination with Commercial Production Team, Product advancement and Market Proposition Planning, Communication with Govt officials, Technical Infrastructure Development. Preparation & follow-up of Capital & Operations Budgets.

Research Officer

- PAN Seeds Pvt Ltd (Burdwan, West Bengal)
- Mar 2015 - Dec 2017
- Grain Quality and DH Lab Operations, Lab Set-up, Field and Lab Level Germplasm Assesment, Working in Internal Database system, Assistance in farm operation management and budgeting, Ploy House Programmes. Support in Preparation of Capital & Operations Budgets.

Project Fellow (Internship)

- Visva Bharati University (Birbhum, West Bengal)
- Apr 2013 - Feb 2015
- Field Trail management, Data Collection & Analysis, Lab Analysis of Plant extracts. Handling Technical Purchases.

PERSONAL DETAILS

- **Date of Birth:** 12-12-1986
- **Permanent Address:** Chandannagar, Hooghly, West Bengal, PIN-712136
- **Nationality:** Indian
- **Marital Status:** Married
- **Hobbies:** Reading, Trekking & Travelling, Adventure Tourism

LANGUAGES

- ENGLISH
- HINDI
- BENGALI

SOFT SKILLS

- MICROSOFT OFFICE
- MS EXCEL
- MS POWERPOINT
- SPSS
- STATISTICAL ANALYSIS

PROJECTS

- **Breeding Transformation & New Product Planning**
- **Industry Project:** Associated with Savannah Seeds Pvt Ltd (**Jun 2022 - working in progress**)
Use of Breeding Transformation tools, Product concept and designing breeding projects, Genotyping, Genomics-assisted selection of crossing block parents, Accelerating genetic gain by reducing cycle time, Genomic prediction, Experimental design, Segmentation of the breeding trials in alignment with the product profiles. Effective Population Size, CV & STDev, GWAS Mapping, Corelation of traits etc.
- **Process Automation & App Based Operation in Grain Quality Lab & Seed (Gene) Bank**
- **Industry Project:** Associated with Savannah Seeds Pvt Ltd (**Mar 2023 - Jan 2024**)
Data automation, Instrument purchase, Software implementation, Alingment with with USA and Brazil GQ Labs, Streamling of Process with stakeholding depts.
- **Rice Mill & Milling Yield Project in Punjab, IN**
- **Industry Project:** Associated with Savannah Seeds Pvt Ltd (**Dec 2021 - Jan 2022**). Milling Technology, Milling Yield Enhancement, Bi Products, Fortified Rice Kernel Study (FRK), Coordination with Sales & Marketing Team & Rice Mills Association. Working with Sales Team; Demonstration & Milling Awareness Campaign to sustain the Hybrids Rice Market Size of 2500 MT
- **GQ Lab Designing and DH Lab set-up**
- **Industry Project:** Associated with PAN Seeds Pvt Ltd (**Dec 2021 - Jan 2022**). Lab Set-up, protocol design, hiring of technical persons, coordination with trainers, planning and budgeting.
- **Study of mechanism of action of homeopathic potencies through plant models**
- **Academic Project:** Associated Visva Bharati University (Sponsored by Dr B.N.C Memorial Trust, Kolkata; **Apr 2013 - Feb 2015**). Working on Paddy and checking the morphological, physiological and biochemical effects; Treatment with ultra-high diluted potent herbicides.
- **Role of reactive oxygen species on phototrophic bending & growth of Mustard seedling**
- **Academic Project:** Associated with Visva Bharati University (**Jan 2011 - Jul 2011**). Study & working with Brassica seeds & seedlings.

EDUCATION

- **Executive Program in Product Management.**
XLRI, Delhi-NCR (2023)
- **Executive Program, Paddy & Rice Processing & Productcs,**
CSIR-Central Food Technological Research Institute, 2022
(Milling Technology, Cooking & Nutritional Quality, Rice Fortification)
- **M.Sc. in Botany**
Visva Bharati University, 2011
(Plant Sciences with Specialization in Biochemistry & Molecular Biology)
- **B.Sc. in Botany**
University of Burdwan. 2008
(Minor Subjects: Chemistry & Zoology)

REFERENCES

Mr. Surajit Chanda.

- Designation: Senior Manager (R&D),
- Organisation: Swarna Seeds, Burdwan, West Bengal.
- Contact No. +91-7602294556
- E-mail: sura321@rediffmail.com

Dr. Bijan Adhikari.

- Designation: Scientist (Govt of West Bengal)
 - Organisation: Rice Research Station, Chinsurah, West Bengal.
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