

LDFA

Livestock, Dairy, Fisheries, Poultry & Agriculture

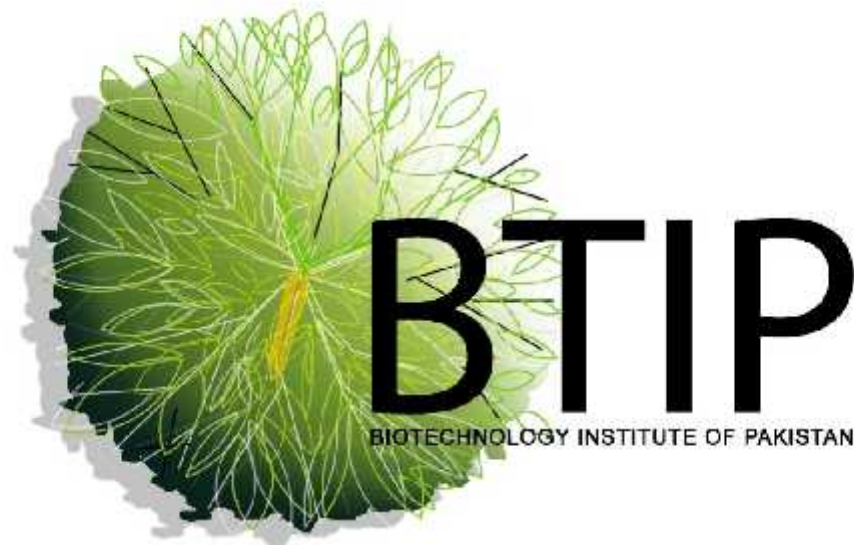
Exhibition & Seminar

Saturday 21st & Sunday 22nd JAN 2017

at

Sindh Agriculture University, Tando Jam





Waqas Khatri, Co-founder & Executive Director
Jan 21, 2017

Institutional Orientation



Initial focus on **Plant Biotechnology**

Business Opportunity: Pakistan decades behind

- Lack of disease-free planting material
- Lack of varieties
- Lack of international market linkages

Social/Development Opportunity: agriculture is largest employer in country

Why now:

- Plant biotech industry and resultant awareness at farmer level in nascent stages
- Regulation on seed and planting material established (2015)
- Lack of commercial scale Tissue Culture facility



Opportunity at Hand

Bananas

- Majority of fields in Pakistan are infected by disease
- Lack of internationally traded strains
- More than 60,000 acres of banana planted in Pakistan

Exotic Flowers:

- Initial target: Orchids and anthuriums
- Local market is untapped
- Export Potential to gulf countries and Europe

Date-Palm:

- Pakistani farmers growing strains with little to no value in int'l market
- Medjool, Barai, Khalaas, etc.

Potato:

- Significant import of seed.
- Awareness introduced by Chips manufacturers and fast food chains.

Summary:

1. Pakistan has failed to create international market linkages
 - Reason: farmers do not have the appropriate planting material available
2. Yield potentials not realized due to unavailability of disease-free planting material.



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Technical Background

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- Lab work:
 - Mother Plant
 - Callous generation
 - Multiplication
 - Rooting
 - Shooting



- Hardening (Greenhouses)

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Location:

- Kathore Education City
20 mins from Airport
Doorway to Interior Sindh

Site Progress

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SED

GOVERNMENT OF SINDH

Bananas

• 2017 Planting Season

- Fully hardened plants
- Delivery end of April
- Strains available
 - Musa Mysore (lady finger)
 - Dole's Cavendish variety
- Limited quantities available

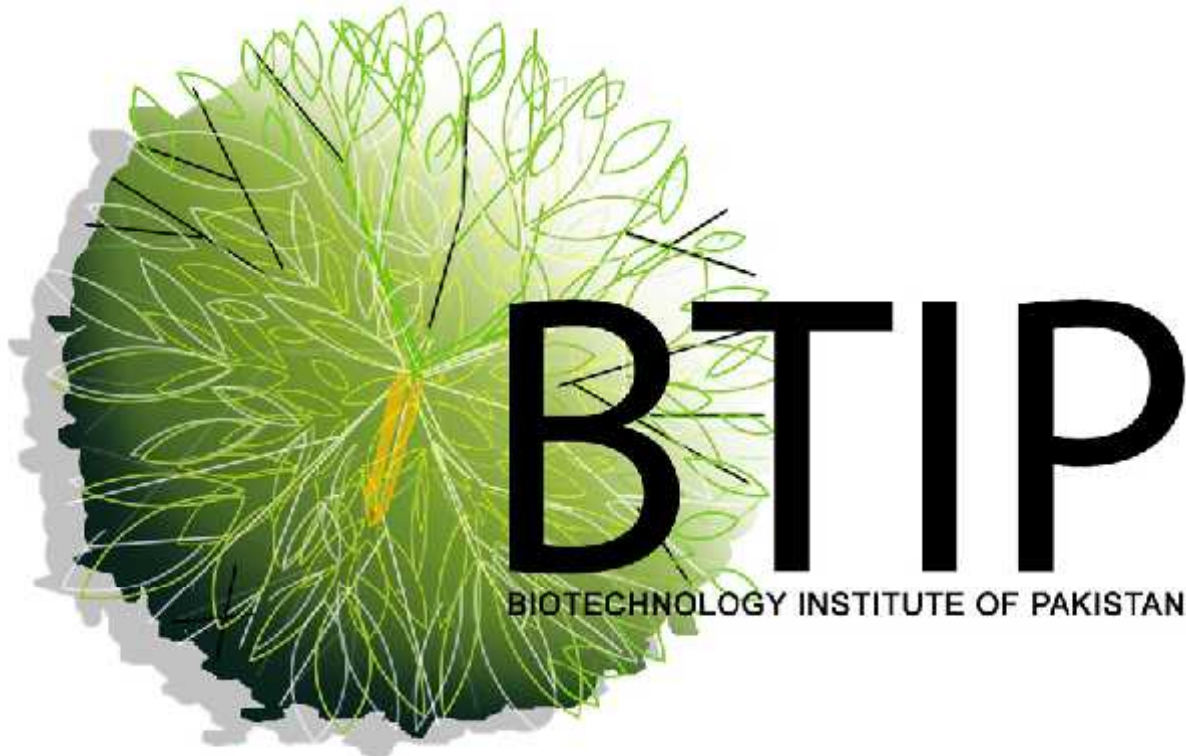
• 2018 Planting Season

- Semi and fully hardened plants
- Delivery can be scheduled for any date
- Strains available
 - Musa Mysore (lady finger)
 - Dole's Cavendish Variety
 - Grand Naine (G9)
- No limits on quantities, if orders placed before Feb 1 2017

• 2019 Planting Season

- 5+ varieties available
- Export of bananas explored

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Questions?

SEDF Sindh Enterprise
Development Fund
Finance Department
Government of Sindh

SBI Sindh Board of
Investment
Government of Sindh



Agriculture
Department
Government of Sindh

Livestock & Fisheries
Department
Government of Sindh

Commissioner
Hyderabad
Division



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