

Diagnosis activities, capabilities and constraints of the Crop Protection lab.
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Departmental sub-units

- Pathology (Mycology, Bacteriology and Virology)
- Nematology
- Entomology

Sources of request for plant disease diagnosis.

- The university extension wing- Agricultural media resources and extension centre (AMREC)
- Private farms belonging to members of the university community
- Other plant related departments

Challenges/Constraints.

- Inadequate space for plant pathology activities
- Lack of specialized materials and equipments for diagnosing particular organisms (especially bacteria and viruses)
- Irregular power and water supply
- Insufficient number of laboratory scientists
- Untrained laboratory scientist.
- No greenhouse
- Shared screenhouse

What the problem is?

1. Broad-sense and poorly spelt-out institutional mandates on research and lack of government policies for supporting institutional mandates
2. Lack of sustaining policy frame-work for achieving set institutional mandates
3. Poor funding by government
4. Very poor to non-existence of functional collaborative networks.

The result of problems?

- Handles only diseases of fungal origin and which can be easily worked on using simple media such as PDA
- Concentrates mostly on student research works which involves mostly pre-determined fungal pathogens (usually an attempt at control)

Commonly diagnosed pathogens

- The anthracnose pathogen (*Colletotrichum*)
- *Cercospora*
- *Fusarium*
- *Conniella*
- *Sclerotium rolfsii*

Others include;

- *Aspergillus*
- *Penicillium*
- *Neurospora*

Collaborators

- IITA Ibadan.
- WARDA

Needs

1. Clearly spelt-out institutional mandate for research and possibly for a range of crops
2. Effective policy framework for achieving (1)
3. Adequate, reliable and regular funding
4. Employment of additional qualified and specialized laboratory scientists
5. Provision of additional laboratories
6. Acquisition of necessary materials and facilities for a more effective and broad-based diagnosis.

7. Training and re-training of laboratory scientists
8. Development of better defined and structured collaborative networks with relevant national and international bodies and organizations toward the achievement of set institutional mandates on research.
9. Computer facilities
10. Identification manuals / catalogues

THANK YOU FOR LISTENING