




**Centre 1: INSTITUTE OF ANIMAL HEALTH AND VETERINARY BIOLOGICALS, KVAFSU**


**Principal Investigator**

|  |   |   |   |
|--|---|---|---|
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| Number of research projects being handled at present | : | Three (Institutional), One (Extramural)   |   |


**Co-Principal Investigators**


|  |   |   |  |
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| Name                 | : | Dr. Kavitha G  |  |
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| Name   | : | Dr. Sumanth Kumar R  |  |
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| Number of research projects being handled at present | : | One  |   |

### Manpower

|                      |   |  |  |
|----------------------|---|--|--|
| Name                 | : | Dr. Yeshas   |  |
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| Name                 | : | Smt. Kavya   |  |
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Objectives:

**1) Assessment and capability enhancement**

- (1) Establishment of a high biosecurity facility with suitable access control for sample processing and maintenance

**2) Fit-for-purpose diagnostics**

- i) Validation of fit to purpose test
- ii) Sequence characterization of isolates for understanding strain variations across regions

**3) Surveillance, molecular epidemiology, risk mapping, and risk modeling**

- i) Development of recombinant deletion mutant vaccine for anthrax and evaluation of its efficacy in goats
- ii) Evaluation and performance assessment of the commercial-of-the-shelf (COTS) and newly developed tests in laboratory and field conditions

**4) Prevention and outbreak response/intervention**

- i) Study of efficacy of the multivalent subunit vaccine developed by DFRL in goats under laboratory and field conditions
- ii) Characterization and identification of suitable adjuvants and excipients for small ruminant vaccines
- iii) Development and evaluation of oral vaccines for animals in association with JNU