

ABT/2022/1843
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Proceedings of 6th Institutional Biosafety Committee (IBSC), LUVAS meeting held on 29.09.2022 at 10:00 am.

Following were present in the meeting:

Dr. Naresh Jindal, Chairman, IBSC; and Director of Research, LUVAS, Hisar
Dr. B. R. Gulati, Principal Scientist, NRCE, Hisar (DBT's nominee)
Dr. Bidhan ch. Bera, Scientist (S.S), NRCE, Hisar (Outside expert)
Dr. Pushpander Sheokand, Medical officer, CCS HAU, Hisar (Biosafety officer Rep)
Dr. Swati Dahiya, Scientist, Vety. Microbiology, LUVAS, Hisar (Internal Member)
Dr. Aman Kumar, Scientist, ABT, LUVAS, Hisar (Internal Member)
Dr. Joshi Vinay Ganeshrao, ABT, LUVAS, Hisar (Internal Member)
Dr. Sushila Maan, Prof & Head, ABT, LUVAS, Hisar (Member Secretary)

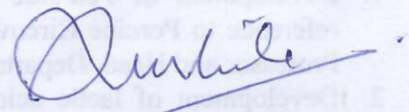
At the outset, the member secretary welcomed the Chairman, DBT expert and members of the IBSC for the meeting. Following fourteen agenda items were presented by concerned PIs.

1. Development of Pen-side diagnostics for Porcine infectious diseases with particular reference to Porcine Circovirus and Classical Swine Fever Virus (PI: Dr. Sushila Maan, Professor and Head, Department of ABT, LUVAS, Hisar).
2. Development of lactic acid bacteria mediated live recombinant edible vaccine against anthrax for goats and wild animals (PI: Dr. Pawan Kumar, Assistant Professor, Department of ABT, LUVAS, Hisar)
3. *B. anthracis* spore protein binding peptide identification by phage display technique. (PI: Dr. Joshi Vinay Ganeshrao, Scientist, Department of ABT, LUVAS, Hisar).
4. Testing of cattle and buffalo for Lumpy skin in disease virus (LSDV) by molecular methods at LUVAS (PI: Dr. Rajesh Khurana, Professor and Head, Department of VPHE, LUVAS, Hisar)
5. Genotyping of avian infectious bronchitis virus and development of recombinant spike protein-based ELISA (Dr. Sangeeta Das, Ph.D student) (Major Advisor: Dr. Rajesh, Senior Scientist and Head, Department of VMC, LUVAS, Hisar).
6. Development of duplex RT-PCR assay and molecular characterization of astrovirus and reovirus in poultry (Dr. Ayusha, M.V.Sc student) (Major Advisor: Dr. Pawan Kumar Assistant Professor, Department of ABT, LUVAS, Hisar).
7. Development of reverse transcription recombinase polymerase amplification assay for rapid detection of porcine sapelovirus (Dr. Ramandeep Kaur, M.V.Sc student) (Major Advisor: Dr. Sushila Maan, Professor and Head, Department of ABT, LUVAS, Hisar.)
8. Cloning and expression of Bovine herpesvirus 1 glycoprotein E gene for the development of immunodiagnosics (Dr. Diksha Panwar, M.V.Sc student) (Major Advisor: Dr. Aman Kumar, Scientist, Department of ABT, LUVAS, Hisar).
9. Development of recombinase polymerase amplification assay for rapid detection of porcine parvovirus (Dr. Niharika, M.V.Sc student) (Major Advisor: Dr. Sushila Maan, Professor and Head, Department of ABT, LUVAS, Hisar).
10. Development of isothermal amplification assays for detection of porcine picornaviruses (Dr. Sarshti, Ph.D student) (Major Advisor: Dr. Sushila Maan, Professor and Head, Department of ABT, LUVAS, Hisar).
11. Construction and Molecular characterization of Porcine Astrovirus Genomic Backbone (Dr. Ritu Panghal, Ph.D student) (Major Advisor: Dr. Parveen Kumar, Assistant Professor, Department of Veterinary Microbiology, LUVAS, Hisar).

12. Construction and characterization of phage display library of bovine single-chain fragment variable antibody after foot and mouth disease and haemorrhagic septicemia combined vaccination (Dr. Pooja Jangra, Ph.D student) (Major Advisor: Dr. Akhil Kumar Gupta, Scientist, Department of Veterinary Microbiology, LUVAS, Hisar).
13. Expression and characterization of Nanobodies specific for foot and mouth disease virus serotype Asia-1 (Dr. Anu Malik, Ph.D student) (Major Advisor: Dr. Swati Dahiya, Scientist, Department of Veterinary Microbiology, LUVAS, Hisar).
14. Expression and characterisation of foot-and-mouth disease virus serotype O specific single domain antibodies (Dr. Vijay, Ph.D student) (Major Advisor: Dr. Swati Dahiya, Scientist, Department of Veterinary Microbiology, LUVAS, Hisar).

All the students and PIs presented their respective projects. Some suggestions were made by different members of IBSC, which have been complied with by the students and PIs. In addition, a summary proforma and an undertaking was developed by the members, which were duly completed and signed by students and PIs. After detailed deliberations all the agenda items were approved by the IBSC.

The meeting ended with a vote of thanks to the chair.



Dr. Sushila Maan, Member Secretary