

## **Priority research domains for aspirants to join NIAB under PhD program**

1. Stem Cell Biology & Therapeutics
2. Germ Cell/Stem Cell Transplantation
3. Organoid Biology
4. Transgenic animal as bioreactor
5. Genome engineering to increase productivity in farm animals.
6. DNA Damage and Repair, Aging, Cell Cycle & Gene Regulation
7. Epigenetics, Post-Translational Modifications, Drug targeting
8. Molecular Parasitology
9. Infectious Disease, Host-Pathogen Interaction, Vaccines, Diagnostics & Therapeutics
10. Bioinformatics: Computational Genomics, Systems Biology, lncRNA identification, Molecular dynamics simulations, Protein Structure
11. Nanobiotechnology: Animal Nutrition, Antimicrobial Resistance Sensing
12. Biosensor Development
13. Nanomaterials based scaffolds for therapeutic applications