



## **Graduate Research Assistant Position (M.S.) Available in Poultry Science**

### **Position Description:**

The Department of Poultry Science at Mississippi State University is inviting applications from highly motivated candidates for a M.S. Graduate Research Assistantship. This is a 2-year position funded with stipend, tuition, and insurance beginning in the **Fall Semester of 2021**. The successful candidate will work under the direction of Dr. Reshma Ramachandran in the area of poultry microbiology and reproduction. The research will focus on isolation, characterization, and mitigation of avian pathogenic *Escherichia coli* (APEC) in broiler breeders. The selected candidate will be working in a Biosafety Level 2 (BSL2) laboratory and will be responsible for:

- Developing research protocols
- Conducting field trips (commercial breeder facilities/hatcheries)
- Performing laboratory microbiological analysis (Basic and molecular)
- Performing data analysis using statistical software such as SAS
- Preparing scientific manuscripts for publication in peer-reviewed journals
- Preparing posters and oral presentations for scientific conferences
- Assisting in other research projects and departmental activities

### **Qualifications:**

- B. S. in Poultry Science, Animal Science, microbiology, or a closely related field
- Enthusiasm for conducting research on farm as well as in the lab
- Prior microbiology research experience preferred but not mandatory
- Previous working experience in a BSL 2 facility is preferred but not mandatory
- Strong oral and written communication skills

Please contact Dr. Reshma Ramachandran for more details by email **rr1272@msstate.edu** **before** applying to the Mississippi State University Graduate School. Please send your CV, an unofficial transcript, GRE and TOEFL or IELTS scores if available, email and contact information for 3 references, and a cover letter stating your interests, research experience, and career goals.