**EDUCATION:**

**Ph.D. Student,** Veterinary Microbiology **Aug 2021- Present**

College of Veterinary Medicine, University of Florida

**Dissertation topic:** Vaccines to protect commercial layer chickens from spotty liver disease caused by *Campylobacter hepaticus*.

**M.V.Sc,** Veterinary Public Health and Epidemiology **Dec 2017- Oct 2019**

NTR College of Veterinary Science, Sri Venkateshwara Veterinary University

**Dissertation Topic:** Characterization of MDR *Enterococcus* species of animal, human and environmental origin with special emphasis on vancomycin resistance

**BVSc & A.H. (Gold medal for highest OGPA)**  **Sep 2012 - Oct 2017**

NTR College of Veterinary Science, Sri Venkateshwara Veterinary University

**SUMMARY OF REASERCH SKILLS:**

* **Analytical Techniques**: ELISA, HPLC, and Gas chromatography
* **Molecular Biology**: Cloning, protein expression studies, isolation of DNA and RNA, variant PCR techniques (multiplex, hot stat q-PCR, and RT-PCR), RFLP, genetic diversity (ERIC-PCR & REP-PCR), native and SDS-PAGE analysis
* **Culture techniques**: Cell culture techniques and identification of Enterobacteriaceae members, *Campylobacter, Vibrio, Arcobacter, Listeria, Staphylococcus,* and *Enterococcus*. Antibiogram profiling and virulent gene profiling
* **Additional Skills**: R programming, genetic diversity studies by using phylip and SPSS

**AWARDS AND HONORS**

* Recent publication accepted as "**Best Article of the Issue**” from Acta Sciences Veterinary Sciences Journal (Volume 4 & Issue 8)
* Grinter fellowship for Fall 2021
* Qualified ICAR-NET in the division of Veterinary Public Health and Epidemiology.
* Secured first prize in the IV convention of AMST. (Poster presentation)
* Secured second prize in oral presentation in the IV convention of AMST. (Oral presentation).
* Srinivasa Hatcheries limited gold medal for the highest overall grade point average in B.V.Sc and A.H.
* 1st position in the Annual Quiz Competition National Level conducted by the Society of Animal Physiologists of India. (Madhan Trophy winner)
* Special prize in Environmental Physiology conducted by SAPI.

**PROFESSIONAL EXPERIENCE:**

State Veterinary Consultant (Veterinary Epidemiogist) **Apr 2020 - Jul 2021**

Directorate of Public Health and Family Welfare, Govt. of Andhra Pradesh, India.

**Role:** Zoonotic disease surveillance in the state of Andhra Pradesh

Implementation of national rabies control program

Implementational anti-microbial resistance prevention and control plan

**Senior Research Fellow Oct 2019 - Mar 2020**

**Royal veterinary college, London, UK**

**Project:** “Modeling exposure to biological hazards in the dairy chains of Andhra Pradesh to inform food safety policy”

**Role:** Standardization of an assay for isolation and identification of food safety concern pathogen(s)

Led the pilot project in Andhra Pradesh state.

Trained post graduate students

**Teaching and mentoring experiences:**

Trainee speaker (SIMR seminar series)  **Summer 2023**

Graduate teaching assistant: **Fall 2021&2022**

VEM5150 Veterinary Parasitology

Graduate teaching assistant: **Fall 2022**

VEM5154 Large Animal Parasitology

Graduate teaching assistant: **Spring 2021&2022**

VEM5153 Small Animal Parasitology

**PUBLICATIONS, BOOK CHAPTERS AND PRESENTATIONS:**

* **Chaitanya Gottapu**, C., Kiranmayi, B., Tumati Srinivasa Rao, K., Kumar, A., Subhashini, N., Vimala, B. S., & Venkata, P. (2021). Detection of β-lactamase genes among enterobacteriaceae members from local vended ice creams sold at different parts of Andhra Pradesh.
* **Chaitanya Gottapu**, Ch. Bindu Kiranmayi, T. Srinivasa Rao, K. Aswani Kumar, N. Subashini, B. Swathi vimala, Srinivas K, Suresh Yasarla, Chaitanya Venkata P. (2022). Genetic Diversity of Vancomycin Resistance Enterococcus Spp. Isolated from Animal, Human and Environmental Origin
* Bobbadi, S., Kiranmayi Chinnam, B., Nelapati, S., Tumati, S. R., Kandhan, S., **Gottapu, C**., & Boddu, S. V. (2019). Occurrence and genetic diversity of ESBL producing Klebsiella species isolated from livestock and livestock products. Journal of Food Safety, e12738.
* Suresh, Y., Subhashini, N., Kiranmayi, C. B., Srinivas, K., Ram, V. P., **Chaitanya, G**. & Rao, T. S. (2018). Isolation, Molecular characterization and antimicrobial resistance patterns of four different Vibrio species isolated from freshwater fishes. Int. J Curr. Microbiol. App. Sci, 7(07), 3080-3088.
* Suresh, Y., Kiranmayi, C. B., Rao, T. S., Srivani, M., Subhashini, N., **Chaitanya, G**. & Suresh, B. (2019). Multidrug resistance and ESBL profile of Salmonella serovars isolated from poultry birds and foods of animal origin.
* Naidu, S. T., Bodempudi, B., Chinnam, B. K., Pedada, V. C., Nelapati, S., Tumati, S. R., **Chaitanya, G** & Susmitha, B. (2021). Prevalence of β-lactamase Producing Shiga Toxigenic E. coli (STEC) in Retail Meats and Chicken Cloacal Swabs. Journal of Animal Research, 11(2), 263-271.

**Book chapters:**

* Carcinogenic properties of Food additives (Dr. Tumati Srinivasa Rao and Dr. Gottapu Chaitanya) presented in the winter school program conducted by Sri Venkateswara Veterinary University, college of Veterinary Science, Tirupati in Dec 2019.

**Presentations (International and National conferences)**

* Identification of vaccine candidates against novel *campylobacter* using phage display technology (poster presentation). **In: AAAP, Jacksonville, Florida.**
* Developing a vaccine against spotty liver disease caused by *Campylobacter hepaticus* in commercial layers (poster presentation). **In: Phi Zeta annual competition, college of Veterinary science, University of Florida.**
* Antibiogram profile of *Enterococci* of animal and human origin specific to vancomycin and β-lactamase resistance **(Poster presentation). In: FSSAI-ICMSF-CHIFSS Symposium - Microbiological Food Safety Sampling and Testing in Food Safety Management, New Delhi.**
* Detection of different β-lactamases among *Escherichia coli, Proteus mirabilis* and *Klebsiella* isolates from Ice Creams Sold at different parts of Andhra Pradesh **(Poster presentation). In: National Seminar and IV Convention of Meat Scientists and Technologists on Food sovereignty: Innovations at intersection of technology, Quality & production.**
* Screening and molecular characterization of *Enterococci* in foods of animal origin **(Oral presentation). In: National Seminar and IV Convention of Meat Scientists and Technologists on Food sovereignty: Innovations at intersection of technology, Quality & production.**
* Detection of beta-lactamase producing *Vibrio* species isolated from fish of marine source **(Oral presentation). In: National Seminar and IV Convention of Meat Scientists and Technologists on Food sovereignty: I﻿nnovations at intersection of technology, Quality & production.**
* Coliform Analysis and Molecular Characterization of *E. coli* in Water Samples from Different Ghats of Krishna River along Vijayawada City Landscape **(Poster presentation). In: Xvi Annual Symposium of Indian Association of Veterinary Public Health Specialists.**
* Characterization of *Enterococcus* Species of Poultry Origin with Special Emphasis on Vancomycin Resistance. **IN: National Level online paper presentation competition from 08.05.2020 to 10.05.2020, Indian Veterinary Association Kerala.**
* Surveillance of H1N1 Cases Reported in The State of Andhra Pradesh During 2020 **(Oral Presentation)** **IN: International symposium: "One Health Approach to tackle Zoonosis" held on 06.07.2021, world Zoonosis Day.**

**Licenses and memberships:**

* American Association of Avian Pathologists
* Indian Association of Veterinary Public Health Specialists
* Andhra Pradesh Veterinary association
* ICAR NET (Indian Council of Agricultural Research National Eligibility Test)

**Academic services and other activities:**

Social chair **Fall 2022- Summer 2023**

Veterinary graduate student association, UF, CVM

President  **Fall 2023- Summer 2024**

Veterinary graduate student association, UF, CVM