



# Introduction to the course

VPH 602

BACTERIAL AND RICKETTSIAL AGENTS OF PUBLIC HEALTH SIGNIFICANCE

(Credit Hours 2+1=3)

Course instructor:

Dr. Bhoomika

Dr. Anjay



Lecture no.	THEORY
1.	Scope and importance.
2.	Importance of microbes in relation to veterinary public health
3.	Cultural Characteristics of Bacteria & Rickettsia
4.	Biochemical identification of Bacteria & Rickettsia
5.	Ecology of bacteria in nature
6.	Transmission of bacteria in nature
7.	Survivability of bacteria in nature
8.	Description of Bacillus
9.	Description of Listeria
10.	Description of Mycobacterium
11.	Description of Clostridium
12.	Description of Coxiella
13.	Description of Rickettsia
14.	Description of Chlamydia



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| 15. | Description of Staphylococcus                         |
| 16. | Description of Enterococcus                           |
| 17. | Description of Brucella                               |
| 18. | Description of Leptospira                             |
| 19. | Description of Vibrio                                 |
| 20. | Description of Salmonella                             |
| 21. | Description of Escherichia                            |
| 22. | Description of Campylobacter                          |
| 23. | Description of Yersinia                               |
| 24. | Description of Lactobacillus                          |
| 25. | Description of Pseudomonas                            |
| 26. | Description of Micrococcus                            |
| 27. | Importance of Rickettsiae in Veterinary public health |
| 28. | Isolation & identification of Rickettsia              |
| 29. | Biochemical characteristics of Rickettsia             |
| 30. | Ecology of Rickettsia in nature                       |
| 31. | Transmission of Rickettsia in nature                  |
| 32. | Survivability of Rickettsia in nature                 |



# Reference books/sources



**1. Veterinary Microbiology & Microbial Disease, 2e (PB) by Quinn, John Wiley**

**Author: Quinn**

**2. Essentials of Veterinary Bacteriology and Mycology**

**Author: Carter & Wise**

**3. Zoonoses and communicable diseases common to man and animals, PAHO, Third edition (In three part)**

**By: Pan American Health Organization (PAHO)**

**Websites:**

<https://www.cdc.gov/>

<https://www.who.int/>

<https://ncdc.gov.in/>

[oie.int](http://oie.int)