

## One Health Approach In Zoology Integrating Human, Animal And Environmental Health For Global Well-Being

**U.Venkatacharyulu,**

lecturer in chemistry, CSTS Government Kalasala,  
Jangareddygudem

### **Abstract:**

The integration of human, animal, and environmental health in the field of zoology under the One Health approach is pivotal for global well-being. This abstract explores the interconnectedness of these three realms, emphasizing the symbiotic relationships between humans, animals, and the environment. By comprehensively addressing diseases, ecological imbalances, and societal impacts, this approach aims to promote holistic solutions for the advancement of public health, wildlife conservation, and ecosystem sustainability.

**Keywords:**Zoology , Human Health, Disease

### **Introduction :**

The One Health approach is a holistic framework that recognizes the interconnectedness of human, animal, and environmental health. In the field of Zoology, this perspective becomes particularly crucial as it acknowledges the intricate web of relationships between humans, animals, and the environment. This seminar paper explores the significance of the health approach in zoology and its implications for global well-being.

#### 1. Interconnectedness of health spheres

- Discuss the interconnectedness of human, animal, and environmental health
- Provide examples of diseases that highlight the interconnected nature, such as zoonotic diseases
- Emphasize the need for a collaborative and interdisciplinary approach in addressing health challenges

#### 2. zoology's Role in one health

- Examine the contribution of Zoology to the one health paradigm
- Explore how studying animal behaviour, ecology and psychology can offer insights into human health.
- Highlight research areas where zoological studies have led to advancements in understanding and managing diseases.

### 3. Zoonotic Diseases and Emerging Threats

- Investigate prominent zoonotic diseases and their impact on global health
  - Discuss how environmental factors contribute to the emergence of new diseases.
  - Address the role of wildlife in the spread of infectious agents and the importance of surveillance

### 4. Environmental conservation and health

- Explore the symbiotic relationship between environmental conservation and human/animal health.
- Discuss how environmental degradation can lead to health risks for both humans and animals.
- Showcase successful cases where environmental conservation efforts have positively impacted public health.

### 5. Challenges and future directions

- Address challenges in implementing the one health approach, such as community and resources allocation.
- Discuss the future of one health in zoology, considering technological advancements and evolving
- Propose strategies for overcoming these challenges and fostering greater collaboration. global health threats

### Conclusion:

In conclusion, the one health approach in zoology plays a pivotal role in promoting global well-being by recognizing and addressing the interconnectedness of human, animal, and environmental health. As we navigate an increasingly complex world, embracing a holistic perspective becomes imperative for sustainable and effective health management on a global scale.

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