

Springer

1st  
edition1st ed. 2019, X, 453 p. 93  
illus., 70 illus. in color.**Printed book**

Hardcover

**Printed book**

Hardcover

ISBN 978-3-030-18688-3

\$ 249,99

Available

**Discount group**

Professional Books (2)

**Product category**

Contributed volume

Life Sciences : Zoology

Dibaba, A.B., Kriek, N.P.J., Thoen, C.O. (Eds.), Tuskegee University, Tuskegee, AL, USA

# Tuberculosis in Animals: An African Perspective

- Deals with the disease status, epidemiologic pattern and zoonotic implications of Bovine Tuberculosis
- Combines fragmented evidence on Bovine Tuberculosis in developing countries using Epidemiologic Problem Orientated Approach (EPOA) methodology
- Emphasis is put on locally adapted protocols for future control of Bovine Tuberculosis

This book recounts the biology of *M. bovis*, followed by the status of bovine Tuberculosis (bTB) in African countries, primarily based on zoonotic and epidemiological field reports. Since the accumulation of data is valueless unless it led to practicable control measures, emphasis is put on locally adapted protocols for future control of the disease. In order to systematically evaluate the knowledge base of bTB, Epidemiologic Problem Oriented Approach (EPOA) methodology was used. The methodology is composed of two triads: i) the problem identification/characterization triad, which is mainly descriptive in nature, and ii) the problem management/solution/mitigation triad, which is mainly geared toward problem management /solution (see figure). The first triad comprises three pillars: i) agent ii) host, and iii) environment and the second one: i) therapeutics/treatment, ii) prevention/control, and iii) health maintenance/promotion. The two triads are linked together by the diagnostic procedure linkage. The systematic and detailed studies of the 'Host-Agent-Environment' interactions are the building blocks to the understanding of agent transmission pathways and disease spread. These may include data about the disease status of the country, the nature of the disease agent and its hosts, the modes of transmission, the wildlife reservoirs in nature, persistence of infection, and agent survival in animal products and the environment. The problem identification and characterization triad identifies these interactions.

**Order online at [springer.com/booksellers](https://www.springer.com/booksellers)****Springer Nature Customer Service Center LLC**

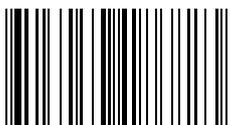
233 Spring Street

New York, NY 10013

USA

T: +1-800-SPRINGER NATURE

(777-4643) or 212-460-1500

[customerservice@springernature.com](mailto:customerservice@springernature.com)

ISBN 978-3-030-18688-3 / BIC: PSV / SPRINGER NATURE: SCL25007

Prices and other details are subject to change without notice. All errors and omissions excepted. Americas: Tax will be added where applicable. Canadian residents please add PST, QST or GST. Please add \$5.00 for shipping one book and \$ 1.00 for each additional book. Outside the US and Canada add \$ 10.00 for first book, \$5.00 for each additional book. If an order cannot be fulfilled within 90 days, payment will be refunded upon request. Prices are payable in US currency or its equivalent.

Part of **SPRINGER NATURE**