

impact factor frontiers in veterinary science

impact factor frontiers in veterinary science represents a critical metric for researchers, academics, and practitioners involved in the field of veterinary medicine and animal health. This article explores the significance of the impact factor as it pertains to the *Frontiers in Veterinary Science* journal, a leading open-access publication dedicated to advancing research in veterinary and animal sciences. Understanding the impact factor helps gauge the journal's influence, reach, and scientific contribution. Additionally, this article examines how impact factors are calculated, the role they play in academic publishing, and their implications for authors and institutions. Furthermore, it highlights the factors that affect the impact factor of *Frontiers in Veterinary Science* and compares it with other veterinary journals. The discussion concludes by exploring ongoing debates surrounding the use of impact factors and alternative metrics for evaluating scientific quality. The following sections provide a detailed overview and analysis of these topics.

- Understanding the Impact Factor in Veterinary Science Publishing
- Overview of *Frontiers in Veterinary Science* Journal
- Calculation and Significance of Impact Factor
- Factors Influencing the Impact Factor of *Frontiers in Veterinary Science*
- Comparison with Other Veterinary Science Journals
- Implications of Impact Factor for Researchers and Institutions
- Critiques and Alternatives to Impact Factor Metrics

Understanding the Impact Factor in Veterinary Science Publishing

The impact factor is a widely recognized bibliometric indicator used to assess the importance and influence of scientific journals within specific disciplines, including veterinary science. It measures the average number of citations received per paper published in a journal during the preceding two years. In the context of veterinary science, the impact factor helps researchers identify leading journals for publishing their work and informs institutions about the prestige associated with particular venues. The value of the impact factor *frontiers in veterinary science* lies in its ability to reflect the journal's reach and relevance within the veterinary research community.

Definition and Purpose of Impact Factor

The impact factor is calculated annually by indexing services such as

Clarivate Analytics through the Journal Citation Reports (JCR). It serves as a quantitative tool to compare journals, offering insight into the frequency with which published articles are cited by other researchers. This metric guides authors in selecting journals for manuscript submission and assists academic libraries in subscription decisions. In veterinary science, where research spans multiple specialties from clinical studies to animal welfare, the impact factor helps delineate journals with high visibility and scientific rigor.

Role in Veterinary Science Research

Veterinary science research covers diverse areas including epidemiology, pathology, pharmacology, and animal nutrition. Impact factors assist in recognizing journals that consistently publish high-quality, influential studies in these areas. As a result, the impact factor frontiers in veterinary science is an important consideration for researchers aiming to disseminate findings broadly and enhance academic impact.

Overview of Frontiers in Veterinary Science Journal

Frontiers in Veterinary Science is an open-access, peer-reviewed journal that focuses on advancing knowledge in all aspects of veterinary medicine and animal health. Since its inception, the journal has aimed to provide a platform for innovative research, reviews, and case studies from global contributors. Its multidisciplinary approach encompasses clinical practice, veterinary epidemiology, animal welfare, and translational medicine.

Journal Scope and Coverage

The journal covers a wide range of topics including infectious diseases, veterinary surgery, animal genetics, food safety, and zoonotic diseases. Frontiers in Veterinary Science emphasizes rapid publication and widespread accessibility, making it a preferred journal for researchers seeking to reach a broad audience. The journal's editorial policies prioritize scientific rigor and transparency, contributing to its growing reputation.

Publication Model and Accessibility

As an open-access journal, Frontiers in Veterinary Science allows unrestricted access to its articles, which enhances visibility and citation potential. This model aligns with contemporary trends in scientific publishing, promoting knowledge dissemination without paywalls. The journal's use of rigorous peer review and editorial oversight ensures a high standard of published content, supporting its standing within the veterinary science community.

Calculation and Significance of Impact Factor

The impact factor of a journal is calculated by dividing the total number of

citations received in a given year to articles published in the previous two years by the total number of citable articles published during those two years. For example, the 2023 impact factor considers citations in 2023 to articles published in 2021 and 2022.

Detailed Calculation Process

The formula for impact factor calculation is:

1. Count all citations in the current year to articles published in the previous two years.
2. Count all "citable items" published in the journal during those two years, typically including original research articles and reviews.
3. Divide the number of citations by the number of citable items.

This method provides a snapshot of the journal's citation frequency and impact within the scientific community.

Importance in Academic Publishing

The impact factor frontiers in veterinary science serves as a benchmark for journal quality and prestige. High-impact journals tend to attract quality submissions and are often preferred for academic evaluation, grant applications, and institutional rankings. Therefore, understanding impact factor dynamics is crucial for authors planning their publication strategies.

Factors Influencing the Impact Factor of Frontiers in Veterinary Science

Several factors contribute to the impact factor of Frontiers in Veterinary Science, affecting its citation rates and overall influence.

Quality and Relevance of Published Research

Highly innovative and relevant research attracts more citations. The journal's focus on emerging topics in veterinary science, such as antimicrobial resistance and animal welfare, enhances its citation potential.

Open Access and Visibility

The open-access model increases article visibility and accessibility globally, leading to higher citation rates compared to subscription-based journals.

Publication Speed and Editorial Practices

Rapid peer review and publication processes encourage timely dissemination, which can positively influence citation accumulation within the two-year window used for impact factor calculations.

Collaborations and International Contributions

Articles stemming from international collaborations often receive broader attention and higher citations, contributing to the journal's impact factor.

Comparison with Other Veterinary Science Journals

Frontiers in Veterinary Science competes with various established journals in the veterinary field, each with differing impact factors and editorial focuses.

Leading Journals in Veterinary Science

Journals such as the Journal of Veterinary Internal Medicine, Veterinary Microbiology, and Preventive Veterinary Medicine have traditionally held high impact factors. Frontiers in Veterinary Science has increasingly gained ground due to its open-access model and multidisciplinary approach.

Impact Factor Benchmarking

While impact factors vary, Frontiers in Veterinary Science has demonstrated consistent growth, reflecting its rising influence. Comparing impact factors helps authors choose appropriate journals based on visibility and scientific impact.

Strengths and Limitations

Each journal's editorial scope and audience affect citation patterns. Frontiers in Veterinary Science's strength lies in its accessibility and broad coverage, while some traditional journals may have higher impact factors due to longer histories and niche focus areas.

Implications of Impact Factor for Researchers and Institutions

The impact factor frontiers in veterinary science influences various stakeholders in the academic and clinical veterinary community.

For Researchers

Publishing in high-impact journals enhances academic reputation, increases funding opportunities, and supports career advancement. Researchers often prioritize journals with favorable impact factors to maximize the reach and citation of their work.

For Academic Institutions

Universities and research centers use impact factors to evaluate research output quality, guide promotion decisions, and assess departmental performance. *Frontiers in Veterinary Science's* impact factor plays a role in institutional benchmarking within veterinary medicine.

For Funding Agencies

Grant agencies may consider the impact factor of journals where applicants publish as part of their evaluation criteria, influencing funding decisions and research priorities.

Critiques and Alternatives to Impact Factor Metrics

Despite its widespread use, the impact factor has faced criticism regarding its limitations and potential misuse.

Limitations of Impact Factor

Critiques include:

- Overemphasis on a two-year citation window, which may not capture long-term impact.
- Potential bias towards review articles, which tend to be cited more frequently.
- Susceptibility to manipulation through editorial policies or citation practices.
- Inability to reflect the quality of individual articles accurately.

Alternative Metrics

To complement or replace impact factors, alternative metrics have emerged, including:

- h-index and other author-level citation indices.
- Altmetrics that capture social media mentions, downloads, and online

engagement.

- Article-level metrics focusing on individual publication impact rather than journal-wide averages.

These alternatives provide a more nuanced understanding of scientific influence, addressing some concerns associated with traditional impact factor usage.

Frequently Asked Questions

What is the impact factor of Frontiers in Veterinary Science?

As of the latest Journal Citation Reports, Frontiers in Veterinary Science has an impact factor of approximately 3.4, reflecting its influence in the field of veterinary research.

How is the impact factor of Frontiers in Veterinary Science calculated?

The impact factor is calculated based on the average number of citations received in a particular year by papers published in the journal during the two preceding years.

Why is the impact factor important for Frontiers in Veterinary Science?

The impact factor indicates the journal's reputation and the average citation rate of its articles, helping researchers decide where to publish and assess the quality of research within veterinary science.

Has the impact factor of Frontiers in Veterinary Science increased recently?

Yes, the impact factor of Frontiers in Veterinary Science has shown a steady increase over recent years, reflecting growing recognition and citation of its published research.

How does Frontiers in Veterinary Science's impact factor compare to other veterinary journals?

Frontiers in Veterinary Science has a competitive impact factor that places it among the reputable open-access journals in veterinary science, though some traditional journals may have higher impact factors.

Can publishing in Frontiers in Veterinary Science improve a researcher's citation metrics?

Publishing in Frontiers in Veterinary Science can enhance a researcher's

citation metrics because the journal is indexed in major databases and has a respectable impact factor, increasing visibility.

Is Frontiers in Veterinary Science considered a high-impact journal in veterinary research?

While not the highest, Frontiers in Veterinary Science is considered a mid-to-high impact journal that is well-regarded for its rigorous peer review and open-access model.

How often is the impact factor of Frontiers in Veterinary Science updated?

The impact factor is updated annually by Clarivate Analytics and published in the Journal Citation Reports each year.

Does the impact factor affect the submission process to Frontiers in Veterinary Science?

While the impact factor may influence authors' decision to submit, the journal's editorial process focuses on the scientific quality and relevance of submissions rather than impact factor alone.

Additional Resources

1. Frontiers in Veterinary Science: Understanding Impact Factors and Research Trends

This book provides an in-depth analysis of how impact factors influence research directions in veterinary science. It explores the metrics used to evaluate scientific journals and the role these metrics play in shaping academic careers and research funding. Readers will gain insight into the evolving landscape of veterinary research and the challenges associated with impact assessment.

2. Advances in Veterinary Medicine: Impact Factor and Publication Strategies

Focusing on publication strategies, this volume guides veterinary researchers on how to navigate the competitive world of scientific publishing. It discusses the significance of impact factors and offers practical advice on selecting journals, improving research visibility, and enhancing citation rates. The book serves as a valuable resource for both early-career and established scientists.

3. Impact Factor Dynamics in Emerging Veterinary Science Journals

This title examines the growth and development of new veterinary science journals and their quest to establish reputable impact factors. Through case studies and statistical analysis, it highlights the challenges faced by emerging journals and the strategies employed to increase their influence in the scientific community. The book is essential for editors and researchers interested in journal development.

4. Measuring Scientific Impact: Frontiers in Veterinary Research Evaluation

Delving into various methodologies for assessing research impact, this book covers traditional and alternative metrics in veterinary science. It critically evaluates the strengths and limitations of impact factors, h-index, and altmetrics, providing a comprehensive overview of research

evaluation tools. The content is designed to help researchers and institutions better understand and utilize impact measurements.

5. *Trends in Veterinary Science Publishing: Impact Factor and Beyond*

This book explores current trends in veterinary science publishing, including open access, digital dissemination, and the changing role of impact factors. It discusses how these trends affect research accessibility and citation patterns. Readers will learn about future directions in publishing and how to adapt to a rapidly changing academic environment.

6. *Veterinary Science Research Frontiers: Enhancing Impact through Collaboration*

Highlighting the importance of interdisciplinary collaboration, this book shows how joint efforts can increase research impact in veterinary science. It presents case studies where collaborative projects led to higher visibility and citation rates. The book encourages researchers to build networks and leverage partnerships to advance veterinary knowledge.

7. *Ethics and Impact Factors in Veterinary Science Publishing*

This volume addresses ethical considerations related to impact factors, including manipulation, citation cartels, and publication bias. It offers guidelines for maintaining integrity in scientific publishing and promotes responsible research practices. The book is a critical resource for authors, reviewers, and editors committed to ethical standards.

8. *Innovations in Veterinary Science Metrics: Beyond the Impact Factor*

Focusing on novel metrics and evaluation approaches, this book introduces alternative ways to measure the influence of veterinary research. It covers social media metrics, usage statistics, and qualitative assessments that complement traditional impact factors. The book aims to broaden the understanding of research impact in the veterinary field.

9. *Global Perspectives on Veterinary Science Impact Factors and Research Quality*

This title presents a comparative analysis of impact factors and research quality across different regions and countries. It discusses the disparities in veterinary research output and the factors contributing to these differences. The book provides recommendations to improve global veterinary research standards and enhance international collaboration.

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impact factor frontiers in veterinary science: Advances and Perspectives in Farm Animal Learning and Cognition Christian Nawroth, Jan Langbein, 2019-10-18 Research on animal learning and cognition has so far mainly focused on a few prominent model species, including primates, corvids and dogs. For years, comparative psychologists and ethologists have been suggesting that more animal species should be considered in comparative cognitive science. The

abundance and accessibility of livestock offer an opportunity, not merely to extend the comparative approach, but also to deepen our knowledge of the mental lives of farm animals. Such approaches also help to assess the needs of farm animals, in order to improve their welfare. In recent years, scientific interest in different aspects of farm animal psychology, including emotionality, personality and cognitive capacities, has been on the rise, proving that farm animals have sophisticated cognitive skills to comprehend and cope with their environment. As knowledge of how farm animals perceive and interact with their physical and social environments is crucial for animal welfare, the aim of this Research Topic is to promote investigations of farm animal cognitive capacities and their implications for animal welfare-related issues. We have therefore collected original research and review articles, as well as opinion and perspective papers that are distributed among the two hosting magazines, *Frontiers in Veterinary Science* (section Animal Behavior and Welfare) and *Frontiers in Psychology* (section Comparative Psychology). The published articles present state-of-the-art research on farm animal learning and cognition, highlight future perspectives in this research area and pinpoint shortcomings and limitations in interpreting current findings. They offer new cross-disciplinary frameworks (e.g. links between affective states and cognition) and discuss the applied implementation of these findings (e.g. cognitive enrichment). These contributions will increase our understanding of the cognitive mechanisms that enable farm animals to effectively interact with their environment and pave the way for future cross-disciplinary endeavors.

impact factor frontiers in veterinary science: Insights in Veterinary Epidemiology and Economics: 2023 Salome Dürr, Victoria J. Brookes, Beatriz Martínez-López, Ioannis Magouras, 2025-03-04 We are now entering the third decade of the 21st Century, and, especially in the last years, the achievements made by scientists have been exceptional, leading to major advancements in the fast-growing field of Veterinary Science. Frontiers has organized a series of Research Topics to highlight the latest advancements in research across the field of Veterinary Science, with articles from the members of our accomplished Editorial Boards. This editorial initiative of particular relevance, led by Specialty Chief Editor Dr. Salome Dürr, and Associate Editors Dr. Victoria J. Brookes, Dr. Beatriz Martinez-Lopez and Dr. Ioannis Magouras of the Veterinary Epidemiology and Economics section, is focused on new insights, novel developments, current challenges, latest discoveries, recent advances, and future perspectives in the field of Veterinary Epidemiology and Economics. The Research Topic solicits brief, forward-looking contributions from the editorial board members that describe the state of the art, outlining recent developments and major accomplishments that have been achieved and that need to occur to move the field forward. Authors are encouraged to identify the greatest challenges in the sub-disciplines, and how to address those challenges. The goal of this Research Topic is to shed light on the progress made in the past decade in the Veterinary Epidemiology and Economics field, and on its future challenges to provide a thorough overview of the field. This article collection will inspire, inform, and provide direction and guidance to researchers in the field.

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impact factor frontiers in veterinary science: Biosecurity of Infectious Diseases in Veterinary Medicine Joel Fernando Soares Filipe, Maria Giovanna Ciliberti, Mara Silvia Laura Rocchi, George Attard, Gabriele Ratti, 2025-09-26 The increasing interconnectedness of the global economy and the rise in international trade and travel have led to the rapid spread of infectious diseases across borders. In the field of veterinary medicine, ensuring the biosecurity of animal populations is paramount to preventing outbreaks that can have devastating consequences for animal health, public health, and the economy. This collection of articles will delve into the multifaceted aspects of biosecurity, presenting comprehensive research and reviews that cover the latest advancements, challenges, and strategies in this critical area. Biosecurity encompasses a

range of practices and measures designed to protect animal populations from infectious agents. This includes controlling the introduction and spread of pathogens through rigorous quarantine procedures, vaccination programs, and hygiene protocols. With one key area of focus being the role of biosecurity in different animal industries, including livestock, poultry, aquaculture, and companion animals, where each sector faces unique challenges and requires tailored strategies to address specific risks.

impact factor frontiers in veterinary science: Pain Assessment and Management in Veterinary Medicine Caterina Di Bella, Petra Dmitrović, Alessandro Mirra, Luca Pennasilico, 2025-01-31 Pain is a complex experience with sensory and affective elements, whether associated with tissue damage or not. In veterinary medicine, its complexity is heightened by the inability of animals to communicate it as people do, despite there is plenty of scientific research showing that they perceive pain in the same way. Numerous factors complicate the diagnosis and treatment of pain in animals (e.g., species, age, location, origin and duration of pain, etc.). Scientific research is constantly updated in order to correctly identify and understand the main pathogenetic mechanisms of pain, the diagnostic tools available, the characteristics of the drugs and the non-pharmacological techniques that can be used.

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impact factor frontiers in veterinary science: Interdisciplinary Approaches in Veterinary Sciences After COVID-19 Ariel L. Rivas, Stephen Smith, 2024-01-29 Veterinary sciences include but exceed the study of domestic and non-domestic non-human species. The emergence of the SARS-CoV-2 pandemic has renewed and expanded the need of “one health” approaches –that is, the study of any biological process that involves interactions within and across species (humans included). Unintentionally but directly, COVID-19 has changed or may change everything – including veterinary sciences. For example, a field poorly developed before 2019 (bat immunology) is now, potentially, at the crossroads that connect infectious diseases affecting all vertebrates. Research associated with COVID-19 has facilitated or may promote the development and convergence of numerous technologies, theories, and methods. They include, although are not limited to (i) geographical information systems (which allow the study of actual factors found in the environment), (ii) cost-benefit oriented techniques, and (iii) data-driven (“top-down”) research designs, which identify questions and discover potential problems.

impact factor frontiers in veterinary science: Routledge Handbook of Animal Welfare Andrew Knight, Clive Phillips, Paula Sparks, 2022-08-15 This handbook presents a much-needed and comprehensive exploration of the rapidly growing fields of animal welfare and law. In recent years there has been increasing attention paid to our complex, multifaceted relationships with other animals, and in particular, the depth and breadth of various societal uses of animals. This has led to a reconsideration of their moral and social status, which has sometimes challenged the interests of those who use animals. In such a contested domain, sound evidence and reasoning become particularly important. Through firm commitment to such principles, this book explores the biological foundations for the moral consideration of animals and for evolving conceptualisations of

animal welfare. It reviews in detail the welfare concerns associated with numerous forms of animal use. The inclusion of key recent developments such as climate change, pandemics, and antimicrobial resistance, ensures this text is among the most current in its field. The ethical implications of the various uses of animals by society are considered, and chapters provide important recommendations for reforms of practice, law, or policy. The status of animal law internationally, and in major world regions, is reviewed. Finally, the book considers human behavioural change and strategies for improving stakeholder communication and education. The handbook is essential reading for students and scholars of animal welfare, animal law and animal ethics everywhere, and for policy-makers and other professionals working in the animal welfare sector.

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Nicole Kemper, Gabriella Guelfi, 2023-01-18

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Biosecurity practices can help prevent the introduction and spread of disease, promoting better animal health and welfare, human health, food safety, and the economic benefits of livestock production. Stemming from a joint initiative between the Biosecure project which brought together 17 partners across 12 European countries, and DISCONTTOOLS, the research gap database in animal health, this book provides valuable background information which can help to better understand and prioritize biosecurity measures. Driven by an evidence-based and cost-effective approach to biosecurity, it is divided into two sections covering endemic diseases typically present within most countries, and epidemic diseases with the potential for large scale outbreaks. By summarizing current knowledge on a range of diseases, this book forms both a useful resource for researchers and professionals in animal disease prevention, and a starting off point for identifying information gaps and requirements for future research.

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The book discusses biofilms and adherent communities of microorganisms that play a significant role in livestock-associated infections. It explores the characteristics, formation, and consequences of biofilms in various livestock species and explains their involvement in diseases like mastitis, Johne's disease, caseous lymphadenitis, and more. It also explains intricate aspects of biofilm-related challenges, such as virulence, antibiotic resistance, quorum sensing, and inter-species communication. The book then explores the strategies for combatting biofilm-associated infections, encompassing phytomedicines, novel antimicrobials, and nanomedicines. This book serves as a great resource for researchers, veterinary practitioners and students by addressing these critical issues and providing a comprehensive understanding of biofilm dynamics in livestock infections, fostering improved diagnosis and treatment methodologies.

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Veterinary patients, from companion to farm animals, play a key role in our society and economy as members of families which provide leisure or sustenance. Therefore, their health and welfare are of utmost importance and should be supported by all means available. The field of regenerative medicine offers new opportunities to understand and treat diseases, with a growing interest to benefit animals not only as models but also as patients. The rapid expansion of the veterinary regenerative medicine field demands for continuous innovation. A big share of the affiliated research is contributed by dedicated young researchers willing to advance the standard of animal care.

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Reviews the development of novel feed sources as feed for poultry, focussing on the use of essential oils, macroalgae, microalgae and corn fermented protein Addresses

the recent advances in understanding the role of individual nutrients and additives in poultry nutrition. Considers the range of methods and techniques implementable to maintain the safety of poultry feed and prevent mycotoxin contamination.

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Philip H. Kass, 2023-09-29 *Advances in Small Animal Care* reviews the year's most important findings and updates within the field in order to provide veterinarians with the current clinical information they need to improve patient outcomes. A distinguished editorial board, led by Dr. Philip H. Kass, identifies key areas of major progress and controversy and invites preeminent specialists to contribute original articles devoted to these topics. These insightful overviews in small animal care inform and enhance clinical practice by bringing concepts to a clinical level and exploring their everyday impact on patient care. - Contains 20 articles on such topics as training and rehabilitation of working and sporting dogs; controversies of and indications for use of glucocorticoids in the ICU and ER; access to care and the impact on veterinary medicine; preparing veterinarians to practice across the spectrum; and more. - Provides in-depth, clinical reviews in small animal care, providing actionable insights for clinical practice. - Presents the latest information in the field under the leadership of an experienced editorial team. Authors synthesize and distill the latest research and practice guidelines to create these timely topic-based reviews.

impact factor frontiers in veterinary science: Equine Anesthesia and Co-Existing Disease
Stuart Clark-Price, Khursheed Mama, 2022-01-13 *EQUINE ANESTHESIA AND CO-EXISTING DISEASE* The first book covering anesthesia in equine patients with pre-existing diseases or conditions. *Equine Anesthesia and Co-Existing Disease* offers practical guidance on anesthetizing horses with pre-existing diseases or other unique conditions. Filling a significant gap in available literature, this authoritative reference is the ideal companion to existing publications on basic management principles, equipment, and complications in equine anesthesia. Detailed chapters, co-authored by anesthesiologists and other allied specialists, offer a body-system approach to anesthesia considerations in horses presenting with a variety of disease conditions. Each chapter contains foundational knowledge such as pathophysiology or diagnostic techniques, clinical images, practical information for pharmacologic selection, and technical requirements for completion of procedures. The text covers equine anesthesia management relevant to respiratory, neuromuscular, and gastrointestinal diseases, cardiac and orthopedic procedures, diagnostic imaging and unique therapies, and more. Designed to allow quick and easy reference to vital information, this valuable clinical resource: Provides complete coverage of anesthetic management of horses with existing conditions or diseases. Describes how pre-existing conditions can affect anesthesia in equine patients. Includes coverage of accident and error management, induction, and recovery. Discusses how anesthesia management differs in feral or non-domesticated and domesticated equids including donkeys and mules. *Equine Anesthesia and Co-Existing Disease* is a must-have reference and clinical guide for everyone involved in the anesthetization of equine patients, including equine general practitioners, anesthesiologists, specialists in related areas, residents in veterinary anesthesiology, and equine anesthesia technicians.

impact factor frontiers in veterinary science: Neglected Zoonoses and Antimicrobial Resistance
Indranil Samanta, Samiran Bandyopadhyay, Olivier Sparagano, 2024-11-16 *Neglected Zoonoses and Antimicrobial Resistance: Impact on One Health and Sustainable Development Goals* provides a thorough examination of how neglected zoonoses and antimicrobial resistance together hinder the achievement of sustainable development goals declared by the United Nations in the pursuit of a disease-free world. Neglected zoonotic diseases, as defined by the World Health Organization, are diseases likely to impact the livelihoods of livestock keepers and those living in periurban communities in developing countries. This book examines how such zoonoses affect the health of vulnerable farming populations and reduce the production capacity of their livestock. Written by internationally recognized experts in the field of livestock and poultry zoonoses, this book provides the reader with a comprehensive description of modern sustainable development goals and defines neglected zoonotic diseases and their impacts on human physical, mental, social,

and economic health. Subsequent chapters systematically describe the epidemiology, hosts and transmission, disease process, economic significance, and prevention and treatment protocols of key neglected zoonotic diseases, including echinococcosis, leishmaniasis, zoonotic tuberculosis, anthrax, brucellosis, leptospirosis, borreliosis, rickettsioses, and rabies. The book concludes with an assessment of the obstacles to achieving Sustainable Development Goals and possible mitigation strategies for veterinary researchers and policymakers alike. - Compiles novel and updated research on pathogens, disease processes, clinical symptoms, diagnostic techniques, vaccines, and treatment protocols - Covers key neglected zoonotic diseases, including echinococcosis, leishmaniasis, zoonotic tuberculosis, anthrax, brucellosis, leptospirosis, borreliosis, rickettsioses, and rabies - Examines the relationship between neglected zoonoses and antimicrobial resistance - Discusses how ineffective research and treatment of neglected zoonoses hinders the achievement of Sustainable Development Goals

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