



## Livestock Tick-Borne Diseases: From Pathogens to Control

Guest Editors:

**Prof. Dr. Agustín Estrada-Peña**

Department of Animal Health,  
Faculty of Veterinary Medicine,  
University of Zaragoza, Miguel  
Servet 177, 50013 Zaragoza,  
Spain

**Dr. Santiago Nava**

Instituto Nacional de Tecnología  
Agropecuaria EEA, Rafaela,  
IDICAL (INTA-CONICET), Rafaela,  
Santa Fe, Argentina

**Prof. Dr. Matias Pablo Juan  
Szabó**

Faculdade de Medicina  
Veterinária, Federal University of  
Uberlândia, Uberlândia 38405-  
314, Brazil

### Message from the Guest Editors

Ticks have a great interest as either parasites or vectors of pathogens relative to livestock. The potential economic losses produced by a decrease in production is one of the main unresolved issues in animal health. Research studies on ecologically and friendly acaricides are currently paused, but new molecular tools could contribute to fighting the pest. This Special Issue is devoted to the understanding of the ecological, epidemiological, and molecular relationships of tick-borne pathogens (TBPs), as well as the economic impact on livestock. The focus of the Special Issue is not local but wide-scale studies aimed at a country-wide or continental analysis of (but not restricted to) the economic burden of TBPs in a biogeographical region, the molecular relationships between ticks and pathogens, research on races of animals resistant to ticks, requirements for an ecological and economically feasible protocol of anti-tick treatment, or the actual impact of the climate trends on the spread of TBPs.

Deadline for manuscript  
submissions:

**closed (20 April 2023)**





an Open Access Journal by MDPI

## Editor-in-Chief

### Prof. Dr. Les Copeland

Sydney Institute of Agriculture,  
School of Life and Environmental  
Sciences, The University of  
Sydney, Sydney, NSW 2006,  
Australia

## Message from the Editor-in-Chief

*Agriculture* (ISSN 2077-0472) is an international, crossdisciplinary and scholarly open access journal on the science and technology of crop and animal production, and management of the natural resource base for agricultural production. *Agriculture* is published in an open access format – research articles, reviews and other contents are released on the internet immediately after acceptance. The scientific community and the public have unlimited and free access to the content as soon as it is published.

## Author Benefits

**Open Access:** free for readers, with article processing charges (APC) paid by authors or their institutions.

**High Visibility:** indexed within Scopus, SCIE (Web of Science), PubAg, AGRIS, RePEc, and other databases.

**Journal Rank:** JCR - Q1 (Agronomy) / CiteScore - Q1 (Plant Science)

## Contact Us

---

Agriculture Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
www.mdpi.com

mdpi.com/journal/agriculture  
agriculture@mdpi.com  
X@AgricultureMdpi