



toxins



an Open Access Journal by MDPI

Global Impact of Ergot Alkaloids

Guest Editor:

Dr. James L. Klotz
USDA-ARS Forage-Animal
Production Research Unit
Lexington, KY 40546, USA

Deadline for manuscript
submissions:
closed (15 June 2021)

Message from the Guest Editor

For many years ergot alkaloids have been identified and studied as both problems or toxins to be mitigated and also as potential medical solutions or cures. Depending on one's perspective, the impact that ergot alkaloids have had on the progress of human medicine and livestock production can be either positive or negative. The dose or concentration of ergot alkaloid exposure is paramount. This can make the difference from these compounds being implicated in the morbidity and mortality of individuals with St. Anthony's Fire to being used to treat migraines and post-partum bleeding or being used to maximize plant resistance and persistence and being framed as an animal welfare concern for grazing the livestock. The focus of this special issue will include original research and review articles that highlight benefits and detriments and successes and failures involving ergot alkaloids around the world with deference to regional distinctions.



mdpi.com/si/41728

Special *Issue*



an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Jay Fox

Department of Microbiology,
University of Virginia,
Charlottesville, VA, USA

Message from the Editor-in-Chief

Toxinology is an incredibly diverse area of study, ranging from field surveys of environmental toxins to the study of toxin action at the molecular level. The editorial board and staff of *Toxins* are dedicated to providing a timely, peer-reviewed outlet for exciting, innovative primary research articles and concise, informative reviews from investigators in the myriad of disciplines contributing to our knowledge on toxins. We are committed to meeting the needs of the toxin research community by offering useful and timely reviews of all manuscripts submitted. Please consider *Toxins* when submitting your work for publication.

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), PubMed, MEDLINE, PMC, Embase, CAPlus / SciFinder, AGRIS, and other databases.**

Journal Rank: JCR - Q1 (Toxicology) / CiteScore - Q1 (Toxicology)

Contact Us

Toxins Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

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

mdpi.com/journal/toxins
toxins@mdpi.com
[X@Toxins_Mdpi](#)