

Special Issue on
**Biotechnology and Horses: New Advances on Horse
Nutrition and Therapy**

CALL FOR PAPERS

Endocrine disorders, including Equine Metabolic Syndrome (EMS), are a serious problem both in human and in veterinary medicine. Pathological obesity, abnormal accumulation of adipose tissue in the area of tail, eyes, and mane base, insulin resistance, and predisposition to laminitis are one of the main clinical symptoms of EMS. Current methods of treating EMS are limited merely to diet therapy aimed at preventing and mitigating disease development.

We invite investigators to contribute high-quality original research articles, as well as review articles that seek to address the problem of equine lifestyle diseases in horses, including clinical signs, diagnosis, treatment, and prevention. Topics addressing recent advances on horse nutrition and diet based therapy. Also, topics concerning the development and production of innovative, natural feed/feed additives that improve animal performance are also welcome. Feed additives should constitute a rich source of biologically active compounds for animals. The use of biotechnological techniques is desirable.

This issue will enable to better understand the equine lifestyle diseases, including EMS, and their development mechanism and will contribute to creation of novel feeding, as well as cell based strategies dealing with these diseases. Original, high-quality contributions that are not yet published or that are not currently under review by other journals or peer-reviewed conferences are sought.

Potential topics include but are not limited to the following:

- ▶ Equine lifestyle diseases
- ▶ Equine Metabolic Syndrome (diagnosis, treatment, and prevention)
- ▶ Dietary management programs
- ▶ Medical management
- ▶ Regenerative medicine
- ▶ Cellular therapy
- ▶ Low-glycemic feed
- ▶ Supplements and nutraceuticals
- ▶ Natural feed additives (e.g., biomass based)
- ▶ Biotechnology of production of feed additives
- ▶ Feed related prevention of endocrine disorder in sport horses
- ▶ Feed additives for the treatment of muscles and joint diseases
- ▶ Biofermented feed and feeds components as perspectives for equine advance nutrition
- ▶ Biotechnology techniques

Authors can submit their manuscripts through the Manuscript Tracking System at <http://mts.hindawi.com/submit/journals/bmri/biotechnology/bhna/>.

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