

Thematic Outline

Special Issue for Current Molecular Pharmacology

Title of the Thematic Issue: An athletic guide of brain-functional nutraceutical supplements

Executive Guest Editors:

Dr Md Noushad Javed, Dr George E. Barreto, Dr Faheem Hyder Potttoo.

Aims & Scope:

Apart from the mastery of the brain in training and skills, its functionality represents one of the most potent independent predictors of athletic performance in sports events. These events demand a high degree of intelligence for quick decision-making and emotionally stabilizing attributes in athletes to handle stressful moments at a crucial stage in professional manners.

Subsequently, high-intensity intermittent efforts of these professionals further elicit threats in terms of fatigue, stress, and traumatic injuries due to contributing factors such as acidosis, accumulation of extracellular K⁺ as well as depletion of micronutrients, glycogen, phosphocreatine, and water in muscles. Consequently, apart from sports injuries, these sportsmen are also facing a relatively higher vulnerability for developing neuropsychiatric disorders and CNS diseases, due to professional reasons.

Hence, this issue would emphasize trends in current practices and potentials of nutraceutical supplements to improve the athletic body and brain's functions and performance.

Keywords: Athletics, stress, nutraceuticals, herbs, diet, neuropsychiatric disorders, mechanism, Sports injuries, neurodegeneration, neuroregenerative medicine.

Subtopics:

The subtopics include but are not limited to the following:

- Sports mediated brain injuries
- Neurodegeneration disorders in athletics
- Hypoxia mediated neuronal diseases
- Exercise and diabetic neuropathy
- Dementia in sportsman
- Psychoactive herbs in personalized sports diets and beverages
- Crosstalk inflammatory cascades in brain
- Technological advancement and regulatory aspects

Contacts:

¹Dr Md Noushad Javed, E-mail: rxnoushad@gmail.com

²Dr George E. Barreto, E-mail: George.Barreto@ul.ie

³Dr Faheem Hyder Potttoo, E-mail: fhpotttoo@iau.edu.sa

Tentative Schedule:

Manuscript submission deadline

Submission deadline: 30th Dec 2020

Last date of Review: 30th March 2021

Date of Publication: 30th May 2021