



BioMed Research International

Special Issue on  
**Evolutionary Biology and Human Health**

# CALL FOR PAPERS

Across the millennia, our bodies have been shaped by various evolutionary processes (mutations, drift, selection, or migration) in association with environmental changes. This view, the so-called “modern synthesis on evolution,” derived from the Darwinian thought on evolution and natural selection is the dominant paradigm of today biology. However, other gene- (neutral theory, collaboration between species) or non-gene- (epigenetics, sociobiology) centered concepts have been developed and challenge this theory. Overall, the combination of biological (intrinsic or external), historical, and sociocultural factors determines the distribution of our major health issues: infections (epidemiology throughout the human history, evolution of microbial virulence, and antibiotic resistance), cardiovascular diseases, metabolism disorders, cancer, or ageing-related problems.

We invite overview and original papers that will illustrate the various implications of evolutionary concepts for human health.

Potential topics include, but are not limited to:

- ▶ History of evolutionary theories
- ▶ Basic aspects of evolution and adaptation and their applications to human health
- ▶ Population genetics and distribution of diseases
- ▶ Diseases of civilization from prehistoric times to the 21st century
- ▶ Coevolution between human populations and microbes
- ▶ Nutrition, physical activity, and health
- ▶ Environmental medicine
- ▶ Ageing, longevity, and fitness
- ▶ Health problems in ancient populations
- ▶ Human ecology

Authors can submit their manuscripts via the Manuscript Tracking System at <http://mts.hindawi.com/submit/journals/bmri/evolutionary.biology/ebhh/>.

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