



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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First Round of Reviews

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