DESCRIPTION

Nutrition Research publishes original research articles, communications, and reviews on basic and applied nutrition. The mission of Nutrition Research is to serve as the journal for global communication of nutrition and life sciences research on diet and health. The field of nutrition sciences includes, but is not limited to, the study of nutrients during growth, reproduction, aging, health, and disease.

Original research articles must declare a research hypothesis and include aspects of mechanisms. Reviews are open to systematic reviews and meta-analyses but the review must provide a critical analysis of existing nutrition evidence, identify gaps in knowledge, and include recommendations for future research. Communications are limited in length and preliminary data that addresses a potential mechanism is acceptable. Authors are encouraged to read and follow the Guide for Authors and Author Submission Checklist.

Articles covering basic and applied research on all aspects of nutrition sciences are encouraged, including: nutritional biochemistry and metabolism; metabolomics, nutrient gene interactions; nutrient requirements for health; nutrition and disease; digestion and absorption; nutritional anthropology; epidemiology; the influence of socioeconomic and cultural factors on nutrition of the individual and the community; the impact of nutrient intake on disease response and behavior; the consequences of nutritional deficiency on growth and development, endocrine and nervous systems, and immunity; nutrition and gut microbiota; food intolerance and allergy; nutrient drug interactions; nutrition and aging; nutrition and cancer; obesity; diabetes; and intervention programs.

Another focus of the Journal is to publish research that advances the understanding of nutrients and health protectants in food for improving the human condition. Of interest are manuscripts on the development of biomarkers for assessing how dietary components influence health status in the human. A further publishing goal of Nutrition Research is to bridge the gap between clinicians working in nutrition and health and biomedical scientists engaged in areas of biochemistry and molecular and cell biology to improve health. Investigators doing research in these areas are urged to submit articles.

The Journal also encourages submission of manuscripts describing investigations in animal models and cell cultures that utilize methodologic approaches or techniques in biochemistry, immunology, molecular biology, toxicology, and physiology. Such investigations must include clear research objectives for hypothesis testing and elucidating mechanisms. Nutrient intakes in human populations and novel analytical techniques for bioactive compounds are within the scope of the mission for Nutrition Research.
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Dr. Bruce A. Watkins, Editor-in-Chief (baw@purdue.edu or bawatkins@ucdavis.edu)
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