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.
Nutrition Research is the sponsor for the David Kritchevsky Graduate Student Award, which recognizes graduate and professional students that publish outstanding articles in the Journal. Two awards are presented annually, with a US $1,000 stipend presented to the recipient young scientists.Use of human subjects should include information about the subjects such as registered with clinicaltrials.gov. Please refer to https://clinicaltrials.gov/. Use of first person language should be used with regard to people with obesity. Please refer to https://academic.oup.com/ajcn/article/108/1/201/5049689. All animal studies that utilize dietary treatments must provide a table listing the ingredients in g/kg to total 1000. Please refer to the editorial https://www.sciencedirect.com/science/article/pii/S0271531719302441.

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INTRODUCTION

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BEFORE YOU BEGIN

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* All studies that include experimental diets must provide a table that lists the ingredients and enough detail for the nutrient content of those diets. Reference to established diets (such as AIN 93G) is appropriate when the major ingredients are listed and the premix levels are provided (actual details of each vitamin and mineral source listed is not necessary in this case). Diets that are developed with different lipid sources should provide a fatty acid compositional analysis of the lipids. In addition, studies that test a botanical or phytochemical ingredient should provide enough chemical compositional analysis as well as the amount of the active compounds.

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