

frontiers in nutrition impact factor

frontiers in nutrition impact factor is a key metric used by researchers, academics, and institutions to evaluate the significance and influence of the journal *Frontiers in Nutrition* within the scientific community. Understanding the impact factor of this publication provides insights into its credibility, reach, and the quality of research it disseminates. This article delves into the specifics of the *Frontiers in Nutrition* impact factor, its calculation methodology, importance in academic publishing, and comparison with other nutrition journals. Additionally, the article explores factors influencing the impact factor and how researchers can leverage this information for publishing and citation purposes. The following sections provide a comprehensive overview, starting with an examination of what the impact factor represents and concluding with practical considerations for authors and institutions.

- Understanding the *Frontiers in Nutrition* Impact Factor
- Calculation Methodology of Impact Factor
- Significance of the Impact Factor in Nutrition Research
- Comparison with Other Nutrition Journals
- Factors Influencing the *Frontiers in Nutrition* Impact Factor
- Utilizing the Impact Factor for Research and Publication

Understanding the *Frontiers in Nutrition* Impact Factor

The *Frontiers in Nutrition* impact factor is a quantitative metric that reflects the average number of citations received by articles published in the journal over a specific period, typically two years. It serves as an indicator of the journal's influence and prominence in the field of nutrition science. This metric helps authors identify reputable journals for submitting their research and assists institutions in assessing the quality of publications. *Frontiers in Nutrition* is an open-access, peer-reviewed journal that covers a wide range of topics related to human nutrition, including clinical nutrition, nutritional epidemiology, and metabolic studies.

Definition and Purpose

The impact factor measures the frequency with which the "average article" in a journal has been cited in a

particular year. It is widely used to gauge the journal's scholarly impact and its role in advancing nutrition knowledge. A higher impact factor generally signals a more influential journal, attracting high-quality submissions and readership.

Historical Context of Frontiers in Nutrition

Since its establishment, Frontiers in Nutrition has steadily grown in reputation due to its rigorous peer-review process and commitment to publishing cutting-edge research. The journal's impact factor has evolved, reflecting its increasing citation rates and expanding scientific contributions.

Calculation Methodology of Impact Factor

The impact factor calculation is standardized and performed annually by organizations such as Clarivate Analytics through their Journal Citation Reports. It involves a specific formula that considers citations over a defined timeframe, ensuring comparability across journals and disciplines.

Formula for Impact Factor

The impact factor for a given year is calculated as follows:

1. The numerator is the total number of citations in that year to articles published in the journal during the previous two years.
2. The denominator is the total number of "citable items" published in the journal during those two preceding years.

This ratio yields the average citations per article, representing the impact factor.

Types of Citable Items

Citable items typically include research articles, reviews, and proceedings papers. Editorials, letters, and news items are usually excluded from the denominator. The classification of items can influence the impact factor and varies slightly among journals.

Significance of the Impact Factor in Nutrition Research

The impact factor plays a crucial role in the academic landscape of nutrition science. It affects decision-making processes related to research funding, career advancement, and institutional rankings. Understanding its significance helps stakeholders navigate the publishing environment effectively.

Influence on Author Submission Choices

Researchers often prioritize submitting to journals with higher impact factors to maximize visibility and recognition. *Frontiers in Nutrition's* impact factor informs authors of the potential reach and scholarly recognition their work may receive.

Role in Academic and Institutional Assessment

Universities and funding agencies frequently use the impact factor as part of their evaluation criteria to assess the quality of research output. Journals with strong impact factors, like *Frontiers in Nutrition*, are indicative of rigorous peer review and high standards.

Comparison with Other Nutrition Journals

Evaluating the *Frontiers in Nutrition* impact factor alongside other journals in the nutrition domain provides perspective on its competitive standing and specialty focus within the field.

Leading Journals in Nutrition Science

Several prominent journals in nutrition include *The American Journal of Clinical Nutrition*, *Nutrition Reviews*, and *the Journal of Nutrition*. These journals often have established impact factors that serve as benchmarks for newer or specialized publications.

Frontiers in Nutrition's Position in the Field

Frontiers in Nutrition distinguishes itself with a multidisciplinary approach and open-access model, which can influence citation patterns differently compared to subscription-based journals. Its impact factor reflects both the volume and quality of citations it attracts in nutrition research.

Factors Influencing the Frontiers in Nutrition Impact Factor

Multiple elements contribute to fluctuations in the impact factor, including editorial policies, publication frequency, and the topical relevance of published articles. Understanding these factors provides insights into how the impact factor can be optimized.

Editorial and Peer-Review Practices

Stringent peer review and editorial standards ensure the publication of high-quality research, which typically garners more citations. Frontiers in Nutrition's editorial approach directly affects its impact factor.

Article Types and Thematic Focus

Review articles often receive more citations than original research articles, influencing the overall impact factor. The journal's focus on emerging trends and interdisciplinary topics in nutrition can also enhance citation rates.

Open Access and Accessibility

As an open-access journal, Frontiers in Nutrition provides unrestricted access to its content, potentially increasing readership and citations, positively impacting its impact factor.

Utilizing the Impact Factor for Research and Publication

Researchers and institutions use impact factor data strategically to guide publishing decisions, enhance research visibility, and align with academic goals. Frontiers in Nutrition impact factor serves as a practical reference in this context.

Choosing the Right Journal for Submission

Authors consider the impact factor alongside other factors such as journal scope, audience, and publication speed. Frontiers in Nutrition's impact factor indicates its suitability for nutrition-related research dissemination.

Maximizing Citation Potential

Publishing in journals with favorable impact factors like Frontiers in Nutrition can increase citation

potential, aiding in research impact and career progression. Authors should also focus on producing high-quality, relevant work that addresses current scientific challenges.

Institutional and Funding Considerations

Institutions may prioritize publications in journals with recognized impact factors for tenure and grant evaluations. Awareness of the Frontiers in Nutrition impact factor assists in aligning research outputs with these expectations.

- Comprehensive understanding of impact factor mechanics
- Strategic publication planning
- Assessment of journal quality and influence
- Enhanced visibility and citation of nutrition research

Frequently Asked Questions

What is the current impact factor of Frontiers in Nutrition?

As of 2023, the impact factor of Frontiers in Nutrition is approximately 5.5. However, it is recommended to check the latest Journal Citation Reports for the most up-to-date information.

How is the impact factor of Frontiers in Nutrition calculated?

The impact factor is calculated by dividing the number of citations in a given year to articles published in the previous two years by the total number of articles published in those two years.

Is Frontiers in Nutrition considered a high-impact journal in the nutrition field?

Yes, with an impact factor around 5.5, Frontiers in Nutrition is considered a reputable and influential journal in the nutrition and dietetics research community.

Where can I find the official impact factor for Frontiers in Nutrition?

The official impact factor can be found on the Journal Citation Reports website by Clarivate Analytics or on the Frontiers in Nutrition journal homepage under journal metrics.

Has the impact factor of Frontiers in Nutrition increased recently?

Yes, the impact factor of Frontiers in Nutrition has shown an upward trend over the past few years, reflecting its growing influence in the field.

What factors contribute to the impact factor of Frontiers in Nutrition?

Factors include the quality of published research, citation frequency, the journal's visibility, and the relevance of topics covered in nutrition science.

How does Frontiers in Nutrition's impact factor compare to other nutrition journals?

Frontiers in Nutrition's impact factor is competitive, ranking it among mid to high-tier nutrition journals, but some specialized or long-established journals may have higher impact factors.

Does Frontiers in Nutrition have an open access policy, and does it affect its impact factor?

Frontiers in Nutrition is an open access journal, which can increase article visibility and citations, potentially positively influencing its impact factor.

Can I rely solely on the impact factor to assess Frontiers in Nutrition's quality?

While impact factor is a useful metric, it should not be the sole criterion; consider other factors like peer review quality, editorial board expertise, and journal scope.

How often is the impact factor of Frontiers in Nutrition updated?

The impact factor is updated annually, typically released in June or July for the previous year's data.

Additional Resources

1. *Frontiers in Nutritional Science: Exploring Emerging Trends and Innovations*

This book delves into the latest advancements and research breakthroughs in nutritional science. It covers

cutting-edge topics such as nutrigenomics, personalized nutrition, and novel dietary interventions. Readers will gain insights into how these innovations are shaping the future of nutrition and health.

2. Advances in Clinical Nutrition: Frontiers and Future Directions

Focused on clinical applications, this book explores the role of nutrition in disease prevention and management. It highlights recent clinical trials and emerging therapies that harness nutrition to improve patient outcomes. The comprehensive overview makes it valuable for healthcare professionals and researchers alike.

3. Nutrition and Metabolism: Frontiers in Research and Practice

This volume investigates the complex interactions between nutrition and metabolic processes. It presents current research on metabolic disorders, energy balance, and nutrient metabolism. The book is designed to bridge the gap between basic science and practical nutrition strategies.

4. Global Frontiers in Public Health Nutrition

Addressing nutrition challenges worldwide, this book examines the impact of socio-economic, environmental, and policy factors on nutritional status. It covers global strategies to combat malnutrition, obesity, and micronutrient deficiencies. Public health professionals will find evidence-based approaches to improving community nutrition.

5. Frontiers in Nutritional Biochemistry: Molecular Mechanisms and Clinical Implications

This text explores the biochemical pathways influenced by nutrients and their implications for health and disease. It highlights molecular nutrition research, including the role of antioxidants, vitamins, and minerals. The book is essential for those interested in the molecular basis of nutrition.

6. Innovations in Nutritional Epidemiology: Frontiers and Methodologies

Focusing on epidemiological methods, this book reviews novel approaches to studying nutrition and health outcomes. It discusses advances in data collection, analysis, and interpretation within nutritional epidemiology. Researchers will benefit from its comprehensive coverage of study design and statistical techniques.

7. Frontiers in Pediatric Nutrition: Challenges and Opportunities

This book addresses the unique nutritional needs of infants, children, and adolescents. It explores developmental nutrition, growth monitoring, and interventions for pediatric populations. Pediatricians and nutritionists will find practical guidance grounded in the latest scientific evidence.

8. Functional Foods and Nutraceuticals: Frontiers in Nutrition Science

Examining the role of bioactive compounds in health promotion, this book covers the development and efficacy of functional foods and nutraceuticals. It discusses regulatory considerations and market trends. The book is ideal for food scientists, nutritionists, and industry professionals.

9. Frontiers in Sports Nutrition: Enhancing Performance and Recovery

This volume explores nutritional strategies to optimize athletic performance and recovery. Topics include

supplementation, hydration, and diet planning tailored to various sports disciplines. Coaches, athletes, and sports nutritionists will find evidence-based recommendations to support training goals.

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frontiers in nutrition impact factor: **Improving Health and Nutrition through Bioactive Compounds** Maira Rubi Segura Campos, 2024-11-22 Improving Health and Nutrition through Bioactive Compounds: Benefits and Applications presents bioactive compounds and functional foods as a therapeutic approach to disease and overall health and well-being. It covers various bioactive compounds, including peptides, phenols, and flavonoids as foods to consider for complementary treatment in disease management. Written for nutrition researchers, food scientists, graduate students and other food science and health professionals, this book is a welcomed reference for those who wish to better understand the role of bioactive compounds and functional foods in the treatment and prevention of disease. - Highlights dietary alternatives to health management and disease treatment and prevention - Covers bioactive constituents of foods, phytochemicals, and the effect of digestion or processing on food components - Considers the link between food composition and processing on the nutritional and functional quality of foods, along with the role of diet in enhancing consumer health

frontiers in nutrition impact factor: Advances in Food Security and Sustainability Marc J. Cohen, 2021-10-29 Advances in Food Security and Sustainability, Volume Six looks at the challenges, constraints and solutions necessary to maintain a healthy and accessible food supply in

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frontiers in nutrition impact factor: Hearings, Reports and Prints of the Senate Select Committee on Nutrition and Human Needs United States. Congress. Senate. Select Committee on Nutrition and Human Needs, 1976

frontiers in nutrition impact factor: Essential Guide to Neurodegenerative Disorders Wael Mohamed, 2024-11-24 Handbook of Neurodegenerative Disorders: Mechanism, Diagnostic and Therapeutic Advances provides a comprehensive review on the current biomedical studies aimed at identifying the underlying causes of neurodegeneration. This book reviews the most recent developments in molecular and cellular processes altered during neurodegeneration. Divided into four parts, the first covers the mechanism of cell death in neurodegeneration. The second section reviews the recent progress in gene and gene products in neurodegeneration, including Huntington's disease, Parkinson's disease, Friedreich's ataxia, and spinal muscular atrophy. The final sections cover the current and future diagnostic techniques of neurodegenerative disorders along with therapeutic approaches. - Reviews big data and neurodegeneration disorders, including gene mapping - Examines the structural basis of protein assembly into amyloid filaments in neurodegenerative disease - Covers the progress and challenges of pharmacotherapy of neurodegenerative disorders

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and brain. This scientifically proven program includes: Common and impactful diets to implement Adjustable daily meal plan ideas for each diet Detailed lists of key foods and nutritional supplements 50 nourishing and picky eater-approved recipes Symptom questionnaires for determining the right diet Just as every child with autism spectrum disorder is unique, there is no one-size-fits-all diet recommendation. The Personalized Autism Nutrition Plan is tailored yet flexible, empowering you with tools to drastically improve your child's well-being and help them thrive—with food as medicine.

frontiers in nutrition impact factor: Buffalo (Bubalus bubalis) Meat Manish Kumar Chatli,

frontiers in nutrition impact factor: Red and processed meat in the context of health and the environment World Health Organization, 2023-07-10 There is growing international consensus that food systems transformation is important to address the challenges of malnutrition in all its forms, the burden of noncommunicable diseases (NCDs), environmental sustainability, increasing inequality and ensuring the welfare of workers and animals. In light of the urgency of these challenges, there are questions about the role of red and processed meat in healthy and sustainable food systems. Globally, production and consumption of all types of meat has increased substantially in the last 50 years, and – although red meat consumption is now plateauing in high-income countries (HICs) – is predicted to increase by a further 50% by 2050. Meat consumption remains highly unequal both between and within countries, and animal-source food intakes, including red meat, are lowest among those at most risk of undernutrition. This information brief synthesizes the evidence on the role of red and processed meat production and consumption in health and environmental outcomes, and in different social and political contexts. It does not give consumption recommendations, but, rather, represents the first stage in a scoping process that could lead to World Health Organization (WHO) guidance on the role of red and processed meat in healthy diets from sustainable food systems. This information brief may also be used to inform the development of commitments and policy action on climate change and food systems at the 28th Conference of the Parties of the United Nations Framework Convention on Climate Change (COP28) in late 2023 and beyond.

frontiers in nutrition impact factor: Toxicogenomics Saura C. Sahu, 2008-11-20

Toxicogenomics is the integration of genomics to toxicology. This technology is a powerful tool for collecting information from a large number of biological samples simultaneously and thus it is very useful for large-scale screening of potential toxicants. Toxicogenomics: A Powerful Tool For Toxicity Assessment provides up-to-date state-of-the-art information presented by the recognized experts, and is therefore an authoritative source of current knowledge in this field of research. The potential link between toxicology, genetics and human diseases makes this book very useful to investigators in many and varied disciplines of science and toxicology. Topics covered include: mechanistic toxicogenomics analysis and interpretation of toxicogenomic data principles of data mining in toxicogenomics design issues in toxicogenomics studies sources of variability in toxicogenomic assays Escherichia coli stress response as a tool for detection of toxicity toxicogenomics as a tool to assess immunotoxicity toxicogenomics and ecogenomics for studying endocrine disruption and basic biology use of toxicogenomics as an early predictive tool for hepatotoxicity nutrigenomics: the application of genomic signatures in nutrition-related research application of toxicogenomics in drug discovery potential uses of toxicogenomic biomarkers in occupational health and risk assessment usefulness of toxicogenomics in the regulatory environment perspectives on toxicogenomics at the US Environmental Protection Agency Toxicogenomics: A Powerful Tool For Toxicity Assessment is an essential resource for research scientists currently engaged in toxicogenomics, and will also be of interest to researchers working in toxicology, genetics, medicine, pharmacology, and food sciences, and to regulators and risk assessors of drug, food, environmental and agricultural products.

frontiers in nutrition impact factor: Food Biotechnology Oluwatosin Ademola Ijabadeniyi, Christiana Eleojo Aruwa, Titilayo Adenike Ajayeoba, 2025-08-04 Biotechnological advances sparked a food revolution with new ideas for a sustainable food future. The book embodies all microbial and food biotechnology related topics, and current, emerging, and future technologies for food fortification, safety and security. It critically assesses the use of emerging trends in biotechnology to

develop disease resistant raw foods and products, enhance food and food products nutritional profiles, and reduce negative effects of animal nutrition. It explains the influence of genetic variations in foods, and the varied responses to diet, nutrients, and overall health outcomes. The use of fermentation technologies to create innovative and sustainable food products with novel organoleptic attributes, and the conversion of food waste into useful products are discussed. The book also covers genetic modification methods to reduce or eliminate food allergens, and blockchain technologies that enable transparency and food security along the food supply chains. Emerging technologies in food processing, biotechnology and microbiology. Functional foods, nutrigenomics, gene editing and personalized nutrition based on individual genomes. Food informatics, supply, safety, waste, packaging and bioeconomy.

frontiers in nutrition impact factor: Handbook of Milk Production, Quality and Nutrition Tanmoy Rana, 2025-05-15 Handbook of Milk Production, Quality and Nutrition emphasizes new applications to promote healthy milk production, processing, and product development in the milk industry, highlighting the role clean milk has in the prevention of health and disease. Sections cover the general aspects of milk production and its environmental impact on animal health, explain milk's global nutritional appeal and its role as a source of both macro and micronutrients for human health, address issues of lactose intolerance and how this ailment is perceived globally, and discuss milk's relevance on bone, ocular, and gut health. Finally, the book brings awareness to milk's microbial pathogens, toxins, and heavy metals, and health concerns, while also updating on regulatory health and nutrition claims and recent legislative developments. - Discusses the nutritional, physiochemical, and functional aspects of milk from farm-to-table - Highlights milk's role in bone, oral, and gut health - Details safe and clean milk production, processing, and quality management practices - Identifies various milk adulterations and their relevance to public health

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frontiers in nutrition impact factor: Encyclopedia of Food Security and Sustainability , 2018-11-08 The Encyclopedia of Food Security and Sustainability, Three Volume Set covers the hottest topics in the science of food sustainability, providing a synopsis of the path society is on to secure food for a growing population. It investigates the focal issue of sustainable food production in relation to the effects of global change on food resources, biodiversity and global food security. This collection of methodological approaches and knowledge derived from expert authors around the world offers the research community, food industry, scientists and students with the knowledge to relate to, and report on, the novel challenges of food production and sustainability. This comprehensive encyclopedia will act as a platform to show how an interdisciplinary approach and closer collaboration between the scientific and industrial communities is necessary to strengthen our existing capacity to generate and share research data. Offers readers a 'one-stop' resource on the topic of food security and sustainability Contains articles split into sections based on the various dimensions of Food Security and Food Sustainability Written by academics and practitioners from various fields and regions with a "farm to fork understanding Includes concise and accessible chapters, providing an authoritative introduction for non-specialists and readers from undergraduate level upwards, as well as up-to-date foundational content for those familiar with the field

frontiers in nutrition impact factor: Crop Nutrition Amanullah, 2024-12-02 In the face of global challenges such as climate change, population growth, and food security, understanding and optimizing crop nutrition has never been more critical. Crop Nutrition addresses these urgent issues by providing an in-depth exploration of how effective nutrient management can enhance soil health, boost food production, and contribute to the achievement of Sustainable Development Goals (SDGs). The book delves into key aspects of crop nutrition, covering the essentials of nutrient management, the role of primary, secondary, and micronutrients, and innovative practices for sustainable agriculture. Each chapter provides comprehensive insights into various nutrients, their functions,

and their impact on plant growth and soil health. The text also highlights case studies and success stories from different regions, showcasing practical applications and advancements in crop nutrition. Further, the book emphasizes the importance of integrated nutrient management approaches, such as the use of biofertilizers, nano-fertilizers, and organic amendments. Special attention is given to innovations from the Global South, demonstrating how developing countries are leading the way in sustainable agricultural practices. By integrating scientific research, practical strategies, and global success stories, this book serves as an essential resource for students, researchers, agronomists, policymakers, and agricultural practitioners. It provides the knowledge and tools needed to enhance crop productivity, improve soil health, and ensure sustainable food systems. It not only addresses current agricultural challenges but also paves the way for a resilient and food-secure future, making it a valuable asset for anyone involved in the field of agriculture.

frontiers in nutrition impact factor: Future Crops and Processing Technologies for Sustainability and Nutritional Security Soumya Ranjan Purohit, Vasudha Sharma, Meena Kumari, Kasi Muthukumarappan, Joanna Kane-Potaka, 2024-09-06 Our current food system faces challenges across the board - from ensuring food security and reducing environmental impact to managing costs and minimizing waste. Fortunately, cutting-edge food processing technologies play a critical role in paving the way for a more sustainable future. Taking a two-track approach, *Future Crops and Processing Technologies for Sustainability and Nutritional Security* presents sustainable technologies and emerging crops that are capable of ensuring nutritional security. There are various crops that are nutritious but under-utilized. Crops covered in the book are those that are climate resilient and exhibit less use of water and zero discharge to environment, such as millets and legumes like chickpea, groundnuts, and pigeon pea. **KEY FEATURES:** Provides a comprehensive literature review on the opportunities and challenges in achieving sustainability and nutritional security Presents compatible, relevant crops to address both sustainability and nutritional security Discusses the emerging technologies/crops/food products to justify sustainability and potential to ensure nutritional security This book also provides information on all aspects related to the processing and use of sustainable technologies and crops. The use of technologies like 3D printing, novel drying method, high pressure processing, high-voltage treatments, and the proper combination of conventional methods are addressed.

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considerable attention among the scientific community. MiRNAs are known to have great potential as biomarkers for early diagnosis, prediction, and prognosis of HNSCC, and play a role in development of targeted gene therapy. **Diagnostic, Prognostic and Therapeutic Role of MicroRNAs in Head and Neck Cancer** provides detailed information on various miRNA-based approaches for diagnosis, prognosis, and treatment of HNSCC. It encompasses various miRNA-based point of care diagnostics and drug delivery systems for HNSCC along with the information on the clinical trials of miRNAs for improved clinical outcomes in HNSCC patients. The book provides a comprehensive overview of currently available miRNAs associated with HNSCC and their extensive application for early diagnosis, prognosis, and treatment. This book will help scientists and clinicians to win the battle against HNSCC. - Covers the role of the tumor microenvironment in head and neck cancer - Provides information on oncogenic and tumor suppressor miRNAs dysregulated in HNSCC patients - Elucidates the role of miRNAs in metastasis, recurrence, and chemoresistance in HNSCC - Includes the current state-of-art in miRNA-based clinical trials for head

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