

Special Issue

Research Advances and Therapeutic Strategies (RATS) in Cardio-Oncology

Message from the Guest Editors

Advances in oncology have improved cancer survivorship; however, they have also revealed a spectrum of treatment-related cardiovascular complications—from anthracycline-induced cardiomyopathy and radiation-mediated vascular injury to immune checkpoint inhibitor myocarditis and targeted-therapy arrhythmias. Emerging research has uncovered the mechanisms driving these toxicities, including oxidative stress, endothelial dysfunction, immune dysregulation, and genetic susceptibility. We invite submissions encompassing studies that elucidate the molecular and genetic drivers of therapy-related cardiotoxicity; investigations that validate advanced imaging modalities, circulating biomarkers, digital health platforms, and AI-driven tools for early detection and seamless collaboration between oncology and cardiology teams; evaluations of novel cardioprotective strategies—whether pharmacologic, lifestyle-based, or device-oriented; the development of practical risk stratification frameworks and implementable care pathways tailored to oncology populations; and analyses that address health disparities and real-world cardiovascular outcomes across diverse cancer survivor cohorts.

Guest Editors

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Dr. Viraj Shah

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Deadline for manuscript submissions

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About the Journal

Message from the Editor-in-Chief

Cancers is an international online journal addressing both clinical and basic science issues related to cancer research. The journal is publishing in Open Access format, which will certainly evolve to ensure that the journal takes full advantage of the rapidly changing world of information and knowledge dissemination. It publishes high-quality clinical, translational, and basic science research on cancer prevention, initiation, progression, and treatment, as well as other related topics, particularly to capture the most seminal studies in the rapidly growing area of immunology, immunotherapy, and tumor microenvironment.

Editor-in-Chief

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