

Special Issue

Synthesis and Evaluation of Novel Compounds with Anticancer Activity

Message from the Guest Editors

Drug treatment, together with surgical operation, radiotherapy and biotherapy, constitute the main approaches to cancer treatment. Small molecules—products of chemical synthesis—are still the basis of classical anticancer drugs and still make up 75% of the anticancer drug market, and are cheaper to manufacture, and easier to pack into tablets and capsules for oral use than biological macromolecules. Additionally, small molecules can provide targeted tumor therapy. In this regard, the synthesis and evaluation of small antitumor molecules remains an urgent task for researchers to this day. Topics will include, but are not limited to, the following:

- Synthesis of novel analogs of known anticancer agents and evaluation of their biological activity;
- Synthesis and evaluation of natural alkaloid derivatives with anticancer activity;
- Synthesis and evaluation of short peptides and polypeptides that can inhibit tumour cell proliferation or migration, or suppress the formation of tumour blood vessels;
- Development and evaluation of siRNAs, shRNAs and other types of nucleic acids as an effective approach to silence cancer-causing genes.

Guest Editors

Dr. Oksana Viktorovna Bondar

Scientific and Educational Center of Pharmaceutics, Kazan (Volga region) Federal University, Kazan, Russia

Dr. Alfiya Iksanova

1. Scientific and Educational Center of Pharmaceutics, Kazan (Volga region) Federal University, Kazan, Russia
2. JSC "Tatchempharmpreparaty", Kazan, Russia

Deadline for manuscript submissions

closed (31 December 2023)



Life

an Open Access Journal
by MDPI

Impact Factor 3.4
CiteScore 6.0
Indexed in PubMed



mdpi.com/si/174867

Life
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
life@mdpi.com

[mdpi.com/journal/
life](https://mdpi.com/journal/life)





Life

an Open Access Journal
by MDPI

Impact Factor 3.4
CiteScore 6.0
Indexed in PubMed



[mdpi.com/journal/
life](https://mdpi.com/journal/life)



About the Journal

Message from the Editor-in-Chief

Life (ISSN 2075-1729) is an international, peer-reviewed open access journal that publishes scientific studies related to fundamental themes in life sciences. Some papers are published individually, while others are submitted for inclusion in special issues with guest editors. You are invited to contribute a research article, essay, or a review to be considered for publication.

Editor-in-Chief

Prof. Dr. Lluís Ribas de Pouplana

Institute for Research in Biomedicine (IRB Barcelona), The Barcelona
Institute of Science and Technology, 08028 Barcelona, Spain

Author Benefits

Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility:

indexed within Scopus, SCIE (Web of Science), PubMed, PMC, CAPIus / SciFinder, and other databases.

Journal Rank:

JCR - Q1 (Biology) / CiteScore - Q1 (Paleontology)