Tentative Outline

Special Issue for Current Medicinal Chemistry

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Trends in computational approaches for anti-cancer research

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Aims & Scope:

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This special issue is dedicated to understand and explore the developments in "molecular oncology, cancer biology, the genetic and molecular causes of cellular transformation and several related topics". We intend to analyze and collect data about the published documents in the cancer literature. For this purpose reviews about various "bibliometrics", "informetrics", "scientometrics" and "webometrics" are welcome. Content analysis (it can be from the titles of manuscripts, abstracts and keywords) can provide the broader version of trends in any particular field as mentioned in the subtopics. This is an exciting area (of bibliometrics) to explore the trends over extended periods. Last but not least, citation analysis is probably the most traditional and classical method in bibliometrics to define the quality or development of a particular field or in this case, any journal. The use and application of Pajek, Bibexcel, InCites, Gephi, HistCite, Citespace and Vosviewer are welcome in performing bibliometric analysis. Articles based on computational techniques/tools/artificial intelligence and machine learning for cancer treatment, prognosis and diagnosis can be also considered.

Subtopics:

1. Current trends in computational chemistry for anti-cancer research
2. Challenges in the discipline of artificial intelligence for successful discovery in the management of cancer
3. Scope of machine learning in the discovery of cancer treatment
4. Bibliometrics analysis of top 100 articles in the field of cancer research
5. Informetrics approaches for anti-leukaemic research
6. Scientometrics analysis for carcinoma, sarcoma, melanoma, lymphoma, and leukemia diagnosis to treatment options.

Keywords: Computational approaches; Anti-cancer research; Molecular oncology; Bibliometrics; Informetrics; Scientometrics; Artificial intelligence; Machine learning

Schedule:

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