

Special Issue on **Anticancer and Antimicrobial Properties of Inorganic Compounds/Nanomaterials**

CALL FOR PAPERS

The field of bioinorganic chemistry has emerged after a serendipitous discovery of cisplatin by Rosenberg in 1962. Cisplatin is called “penicillin of cancer” because of its wide application and was a first chemotherapeutic drug. After this, a new field of drug formulation with metal center/core was sparked and investigated as it provides promising alternatives for the treatment of various diseases like cancer, antimicrobial, quorum sensing, and biofilm associated infectious diseases.

The field of metallodrugs has also evolved with the emergence of nanomaterials as therapeutic anticancer and antibacterial agents. These molecules have also shown significant potential to act as potential drug candidates in different prospects from chemotherapy to diagnostics to drug delivery in various diseases. Nanomaterials possess unique physical and chemical properties. The fabrication of nanomaterials gives rise to controlled size, shape, compositions, charge, aggregation, and solubility.

The focus of this special issue will be to shed light on the use of metal-based compounds and nanomaterials as potential candidates for anticancer properties and antiquorum sensing. This special issue will cover all aspects of biochemistry of metals in anticancer properties, antimicrobial properties, quorum sensing, and biofilm. We would like to invite you to submit original work of high scientific repute/impact for publication in the form of research articles and reviews on this issue.

Potential topics include but are not limited to the following:

- ▶ Metal chemistry
- ▶ Metals in biology
- ▶ Nanomaterials
- ▶ Interaction studies with proteins and nucleic acids
- ▶ Anticancer properties, antimicrobial properties, quorum sensing, and biofilm
- ▶ In silico molecular modelling studies
- ▶ In vivo studies

Authors can submit their manuscripts through the Manuscript Tracking System at <https://mts.hindawi.com/submit/journals/bca/apicn/>.

Papers are published upon acceptance, regardless of the Special Issue publication date.

Lead Guest Editor

Rais A. Khan, King Saud University,
Riyadh, Saudi Arabia
krais@ksu.edu.sa

Guest Editors

Aurel Tabacaru, University of Galati,
Galati, Romania
aurel.tabacaru@ugal.ro

Farman Ali, Aligarh Muslim University,
Aligarh, India
farmanali.ac@amu.ac.in

Bon H. Koo, Changwon National
University, Changwon, Republic of
Korea
bhkoo@changwon.ac.kr

Submission Deadline

Friday, 7 September 2018

Publication Date

January 2019