



## Dendrimers in Medicine

Guest Editors:

**Dr. Mohammad Najlah**

School of Allied Health, Faculty of Health, Education, Medicine and Social Care, Anglia Ruskin University, Bishop Hall Lane, Chelmsford CM1 1SQ, UK

**Prof. Dr. Antony D'Emanuele**

Leicester School of Pharmacy, De Montfort University, The Gateway, Leicester LE1 9BH, UK

Deadline for manuscript submissions:

**closed (20 April 2018)**

### Message from the Guest Editors

Dear Colleagues,

Dendrimers, having precise nanostructures with synthetic control over: size, shape, and surface chemistry, are currently receiving great attention in a wide range of pharmaceutical and biomedical applications such as gene transfection, drug solubilisation, immunoassay, magnetic resonance imaging, chelating agents, and drug delivery. These highly branched macromolecules—described as having a well-defined, homogeneous, and monodisperse nanostructure—have a typically symmetric core, an inner shell, and terminal functional groups. The unique chemistry of dendrimers offers great opportunities to be tailored/engineered to facilitate drug conjugation (prodrug), drug encapsulation and/or surface modification with designed moieties that exhibit desired properties such as targeting, long circulation, etc. This Special Issue will provide a platform for presenting the latest research results on dendrimer applications in medicine.

Dr. Mohammad Najlah  
Prof. Antony D'Emanuele  
*Guest Editors*





an Open Access Journal by MDPI

## Editor-in-Chief

### Prof. Dr. Thomas J. Schmidt

Institute of Pharmaceutical  
Biology and Phytochemistry,  
University of Münster,  
Corrensstrasse 48, D-48149  
Münster, Germany

## Message from the Editor-in-Chief

As the premier open access journal dedicated to experimental organic chemistry, and now in its 25th year of publication, the papers published in *Molecules* span from classical synthetic methodology to natural product isolation and characterization, as well as physicochemical studies and the applications of these molecules as pharmaceuticals, catalysts and novel materials. Pushing the boundaries of the discipline, we invite papers on multidisciplinary topics bridging biochemistry, biophysics and materials science, as well as timely reviews and topical issues on cutting edge fields in all these areas.

## 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](#), [MEDLINE](#), [PMC](#), [Reaxys](#), [CaPlus / SciFinder](#), [MarinLit](#), [AGRIS](#), and [other databases](#).

**Journal Rank:** JCR - Q2 (*Chemistry, Multidisciplinary*) / CiteScore - Q1 (*Chemistry (miscellaneous)*)

## Contact Us

*Molecules* Editorial Office  
MDPI, St. Alban-Anlage 66  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
[www.mdpi.com](http://www.mdpi.com)

[mdpi.com/journal/molecules](http://mdpi.com/journal/molecules)  
[molecules@mdpi.com](mailto:molecules@mdpi.com)  
[X@Molecules\\_MDPI](https://twitter.com/Molecules_MDPI)