



## Drug Delivery and Scaffolding in the Era of 3D-Printing and Microfluidic Techniques: Challenges and Opportunities

Guest Editors:

**Dr. Ida Genta**

Department of Drug Sciences,  
University of Pavia, Viale  
Taramelli 12, 27100 Pavia, Italy

**Prof. Dr. Bice Conti**

Department of Drug Sciences,  
University of Pavia, 27100 Pavia,  
Italy

Deadline for manuscript  
submissions:

**closed (15 August 2020)**

### Message from the Guest Editors

Dear colleagues,

In the era of precision medicine the development of new diagnostic and therapeutic approaches get through the development of even more sophisticated pharmaceutical systems ranging from selective nanocarriers, manipulated with multifunctionality, also exploitable for theranostic purpose, to scaffolds used to tune drugs or biomolecules delivery and also cells delivery for tissue engineering or regenerative medicine.

Confident of the utility of new technologic approaches in helping clinical translation of innovative drug delivery systems, this Special issue is aimed to highlight the impact and challenges of the most recent technology in the development of more cost-effective as well as patient-friendly drug delivery systems.

Suggested topics are: 3D-printing, 3D-bio-printing, electrospinning, injection molding and combination thereof for scaffolds development or for formulative development; microfluidics techniques for nanocarriers preparation; continuous manufacturing of pharmaceuticals; regulatory approaches to innovative technologies.

Original manuscripts and reviews are very welcome.





an Open Access Journal by MDPI

## Editor-in-Chief

### Prof. Dr. Maurizio Battino

Department of  
Odontostomatologic and  
Specialized Clinical Sciences,  
Sez-Biochimica, Faculty of  
Medicine, Università Politecnica  
delle Marche, Via Ranieri 65,  
60100 Ancona, Italy

## Message from the Editor-in-Chief

The International Journal of Molecular Sciences (*IJMS*, ISSN 1422-0067) is an open access journal, which was established in 2000. The journal aims to provide a forum for scholarly research on a range of topics, including biochemistry, molecular and cell biology, molecular biophysics, molecular medicine, and all aspects of molecular research in chemistry. *IJMS* publishes both original research and review articles, and regularly publishes special issues to highlight advances at the cutting edge of research. We invite you to read recent articles published in *IJMS* and consider publishing your next paper with us.

## 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, MEDLINE, Embase, CAPlus / SciFinder, and other databases.

**Journal Rank:** JCR - Q1 (Biochemistry and Molecular Biology) / CiteScore - Q1 (Inorganic Chemistry)

## Contact Us

---

*International Journal of Molecular  
Sciences* Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
www.mdpi.com

mdpi.com/journal/ijms  
ijms@mdpi.com  
X@IJMS\_MDPI