

Tentative Outline

Special Thematic Issue for the journal: Current Pharmaceutical Analysis

Title of the Thematic Issue: Recent advances on quality control and quality assurance of medicines

Sectional Editor: Dr. Pramod Kumar

Scope of the Thematic Issue:

This theme will focus on recent advances in various sub-topics as mentioned below. Different products of turmeric, ginger, chili, and plant materials are available in the market, however, they do not go through the proper QAQC procedures due to limitations in studies. Similarly, 3D printing is also as new domain, which also has limited research work in respect of QAQC. Besides, there are a variety of nanotechnology-based products in the market, but due to limited analytical advancements, maximum benefits from these technology-based products are not possible. This thematic issue will cover review and research based on these subtopics which will provide a current scenario and will be helpful for current industrial and academic institutions to set up QAQC and implement it.

Keywords:

1. Quality control
2. Analytical standards
3. LC-MS and HPLC
4. LC-QTOF/Orbitrap and LC-NMR analysis
5. Nanotechnology-based reference material
6. Candidate material need
7. QAQC of herbal reference materials
8. Botanical reference materials

Sub-topics:

The sub-topics to be covered within the issue should be provided:

- Nitrosamine impurities and global status with mass spectrometry techniques
- 3D printing and its role in QAQC
- Reference standards and recent updates in QAQC
- Nanotechnology-based reference standards
- Heavy metal analysis by ICP-MS

➤ ISO guidelines for QAQC

Schedule:

✧ Thematic issue submission deadline: June 2023

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