

## Special Thematic Issue for Current Medical Imaging

**Title: AI technologies for Healthcare: Applications and Challenges**

*Guest Editors: Dr. Sajid Ali Khan*

**Aims & Scope:** Nowadays artificial intelligence-based technologies become more popular. There are many healthcare applications where artificial intelligence (AI) approaches can be effectively used. For example, it can be used to detect the lung cancer at an early stage. Moreover, it plays very important role for improving clinical diagnoses and hospital decision-making ability. The utilization of AI in healthcare reshaping the healthcare industry. Currently, as the healthcare sector is increasingly dependent on AI, many challenges remain unsolved for the successful deployment of AI technologies in Healthcare. The main goal of this special issue is to provide the overview of the current state-of-the-art advances of AI technologies in health informatics.

**Keywords:** Medical imaging, artificial intelligence, health care, early cancer detection

### Subtopics:

The subtopics to be covered within this issue are listed below but not limited to:

- Low contrast medical images enhancement
- Cancer image segmentation
- State-of-the-art review of current medical images contrast enhancement techniques
- Region extraction and classification of skin cancer
- Brain tumor detection and classification
- Features Extraction and Optimal Selection Approach for Skin Lesion Classification

### Schedule:

- ◇ Manuscript submission deadline: 31 March 2020
- ◇ Peer Review Due: 15 May 2020
- ◇ Revision Due: 15 June 2020
- ◇ Announcement of acceptance by the Guest Editors: 30 June 2020
- ◇ Final manuscripts due: 10 July 2020

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Hot topic code: [BMS-CMIM-2019-HT-5](#)

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