**ABSTRACT**

Text line segmentation is an essential step in the digitization of medieval manuscripts. These manuscripts are often written in scripts that vary in size, style, and spacing. This process involves identifying individual lines of text within an image of a manuscript page. It is a challenging task due to noise, degradation, and variations in the manuscript layout and format. In recent years, text line segmentation techniques have advanced, including both traditional image processing-based methods and deep learning-based methods. This paper provides an overview of Text line Segmentation and its performance on medieval manuscript datasets, highlighting the advantages and limitations of this approach. Additionally, it identifies open research challenges and future directions for text line segmentation for medieval manuscripts.

**Keywords:** Text line segmentation, Medieval manuscripts, Computer Vision, Image processing, Seam Carving Algorithm.