

IEEE.org

IEEE Xplore

IEEE SA

IEEE Spectrum

More Sites

Subscribe

Donate

Cart



Browse

My Settings

Help

Institutional Sign In

Institutional Sign In

All



Conferences > 2018 Second International Con...

Automatic Leukemia Identification System Using Otsu Image seg MSER Approach for Microscopic Smear Image Database

Publisher: IEEE

[Cite This](#)

PDF

M.V. Rege ; Mohammed Basil Abdulkareem ; Santosh Gaikwad ; B.W. Gawli **All Authors** ...

2
Cites in
Papers

130
Full
Text Views

Abstract

Document Sections

- I. Introduction
- I. Database Collection
- II. Methodology
- III. Experimental Analysis
- IV. Conclusion

Authors

Figures

References

Citations

Keywords

Metrics

More Like This

Abstract:

In the current era of medical image processing, identification of blood disorder through difficult job. The observation based disorder iden... **View more**

▼ Metadata**Abstract:**

In the current era of medical image processing, identification of blood disorder through difficult job. The observation based disorder identification has been the approximation disorders of white blood cells (WBC) are really frequent in medical practices. From the can contribute to the categorization of certain diseases related to blood. With automat medical expert can keep off the complexity of the environment and focus along the im this image provides. We aim for development of automated identification of leukemia u image database. The computer based identification for leukemia detection has reduce identification of leukemia dieses plays a significant role because monitoring and preve patients. This proposed scheme uses the most significant steps of image processing s segmentation and matching. The leukemia smear image database is segmented using Maximally Stable Extremely Regions (MSER) technique employed for image pattern n system is tested using false acceptance rate (FAR) and false rejection Rate (FRR). Th accuracy of 95.12% where FAR is 5.0% and FRR is 4.75%. The author recommended and MSER image matching is the robust and dynamic approach for leukemia identific

Published in: 2018 Second International Conference on Inventive Communication and (ICICCT)

Date of Conference: 20-21 April 2018

DOI: 10.1109/ICICCT.201

Date Added to IEEE Xplore: 27 September 2018

Publisher: IEEE

► ISBN Information:

Conference Location: C

 **Contents**

I. Introduction

The medical community has been established to take care of human health with knowledge and proficient experts. In the day to day life the medical diagnosis for any diseases is a task. The treatment of concern diseases using medical pathology is essential work[1]. The prevalence of blood based diseases is increasing day by day. In the era of medical science the medical education is done using the computer based automated system [2]. The leukemia is a dangerous cancer through blood. The adaptability of leukemia diseases varies as per

Authors

Figures

References

Citations

Keywords

Metrics

More Like This

Parallel Multiscale Feature Extraction and Region Growing: Application in Retinal Blood Vessel Detection

IEEE Transactions on Information Technology in Biomedicine

Published: 2010

Automated detection of optic disc and blood vessel in retinal image using morphological, edge detection and feature e

16th Int'l Conf. Computer and Information Technology

Published: 2014

IEEE Personal Account

CHANGE USERNAME/
PASSWORD

Purchase Details

PAYMENT OPTIONS
VIEW PURCHASED

Profile Information

COMMUNICATIONS
PREFERENCES

Need Help?

US & CANADA:
678 4333

[DOCUMENTS](#)[PROFESSION AND](#)[WORLDWIDE:](#)[EDUCATION](#)[981 0060](#)[TECHNICAL INTERESTS](#)[CONTACT & SU](#)

[About IEEE Xplore](#) | [Contact Us](#) | [Help](#) | [Accessibility](#) | [Terms of Use](#) | [Nondiscrimination Policy](#) | [IEEE Ethics Rep](#)
[IEEE Privacy Policy](#)

A not-for-profit organization, IEEE is the world's largest technical professional organization dedicated to advancing humanity.

© Copyright 2024 IEEE - All rights reserved, including rights for text and data mining and training of artificial intelligence technologies.

IEEE Account

- » [Change Username/Password](#)
- » [Update Address](#)

Purchase Details

- » [Payment Options](#)
- » [Order History](#)
- » [View Purchased Documents](#)

Profile Information

- » [Communications Preferences](#)
- » [Profession and Education](#)
- » [Technical Interests](#)

Need Help?

- » **US & Canada:** +1 800 678 4333
- » **Worldwide:** +1 732 981 0060
- » [Contact & Support](#)

[About IEEE Xplore](#) | [Contact Us](#) | [Help](#) | [Accessibility](#) | [Terms of Use](#) | [Nondiscrimination Policy](#) | [Sitemap](#) | [Privacy & Opting Out of Cookies](#)

A not-for-profit organization, IEEE is the world's largest technical professional organization dedicated to advancing technology for the benefit of humanity.
© Copyright 2024 IEEE - All rights reserved. Use of this web site signifies your agreement to the terms and conditions.