
Submission Confirmation for Retinal blood vessel extraction using a new enhancement technique of modified convolution filter and Sauvola Thresholding

1 pesan

Int J. of Image & Graphics (IJIG) <em@editorialmanager.com>
Balas Ke: "Int J. of Image & Graphics (IJIG)" <ijig@wspc.com>
Kepada: erwin erwin <erwin@unsri.ac.id>

15 Mei 2021 12.11

Dear Dr. erwin,

Your submission entitled "Retinal blood vessel extraction using a new enhancement technique of modified convolution filter and Sauvola Thresholding" has been received by journal International Journal of Image and Graphics

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International Journal of Image and Graphics

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A manuscript number has been assigned to Retinal blood vessel extraction using a new enhancement technique of modified convolution filter and Sauvola Thresholding

1 pesan

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Balas Ke: "Int J. of Image & Graphics (IJIG)" <ijig@wspc.com>

Kepada: erwin erwin <erwin@unsri.ac.id>

15 Mei 2021 13.45

Dear Dr. erwin,

Your submission entitled "Retinal blood vessel extraction using a new enhancement technique of modified convolution filter and Sauvola Thresholding" has been assigned the following manuscript number: IJIG-D-21-00073.

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Thank you for submitting your work to this journal.

Kind regards,

Yong Xu, Ph.D.

Editor-in-Chief

International Journal of Image and Graphics

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IJIG: Your submission

1 pesan

Int J. of Image & Graphics (IJIG) <em@editorialmanager.com>

15 Juli 2021 14.57

Balas Ke: "Int J. of Image & Graphics (IJIG)" <ijig@wspc.com>

Kepada: erwin erwin <erwin@unsri.ac.id>

Ref.: Ms. No. IJIG-D-21-00073

Retinal blood vessel extraction using a new enhancement technique of modified convolution filter and Sauvola Thresholding

International Journal of Image and Graphics

Dear Dr. erwin erwin,

Reviewers' comments concerning your manuscript have been obtained and are detailed below. Based on their comments, it is my pleasure to inform you that your paper has been conditionally accepted subject to your major revision.

Please revise your manuscript along the lines described by the reviewers. Please submit one soft copy of the revised manuscript with the correct IJIG format as well as a description of how you followed the reviewers' comments in preparing your revision via the following website:

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Your login name is: erwin-ijig

Your password is : <https://www.editorialmanager.com/ijig/login.asp?i=83995&l=F3FQ2EAP>

Please note that your final version is due by Aug 15, 2021. Otherwise, you will be required to submit the paper as a new submission.

Thank you for submitting your manuscript to International Journal of Image and Graphics.

Yours sincerely

Yong Xu, Ph.D.

Editor-in-Chief

International Journal of Image and Graphics

Reviewers' comments:

AE: Experts in the field reviewed your paper. Please revise your paper by incorporating their suggestions and comments.

Reviewer #1: (1) The manuscript should be written in a professional style for Journal. There are so many grammatical error that it is impossible to understand the meaning of so many sentences. The whole manuscript should be rewritten and checked by a professional.

(2) The authors mentioned that they used convolutional filters and Sauvola threshold. However, others published papers also used the similar filters and thresholding. So the authors need to identify clearly what is the new in their proposed technique.

(3) Data presented in the tables 7 and 8 should be generated from the same system configuration in order to better comparison.

Reviewer #2: The manuscript mainly proposed a segmentation strategy based on enhancement technique and thresholding technique. This strategy combines both sharpen filter and smooth filter as an enhancement stage. The new filter enhances the difference in the constituent pixels of vessels and background, which has a good impact on the segmentation process. The authors performed the experiments using two datasets DRIVE and STARE, and the result indicated the strategy could achieve good segmentation of a low time quality, quick and significant.

The methodology used is a combination of gamma correction, CLAHE and some convolution filters. The combination is interesting and easy to understand, but the reviewer could not identify much novelty.

Several suggestions are listed below:

The arguments on the advantage of combining sharpen filter and smooth filter seems insufficient, and the qualitative analysis could not show that the proposed method performance better than others, such as the results in Table 1 and Table 2.

The new enhancement technique is introduced as an important part in a segmentation framework and it is claimed to enable retinal image improvement. However, this arrangement is not convincing.

There is no comparison between the proposed modified convolution filter and the other enhancement technique (like gamma, CLAHE, et.al.) be used independently. The improved performance may due to the parameters fine-tune in other stages, hence further ablation experiment is recommended.

In section 3, please clarify more discussion and explanation why the retinal mask could help blood vessel extraction.

Please arrange the pictures neatly in tables.

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Submission Confirmation for IJIG-D-21-00073R1

1 pesan

Int J. of Image & Graphics (IJIG) <em@editorialmanager.com>

4 Agustus 2021 11.34

Balas Ke: "Int J. of Image & Graphics (IJIG)" <ijig@wspc.com>

Kepada: erwin erwin <erwin@unsri.ac.id>

Ref.: Ms. No. IJIG-D-21-00073R1

Retinal blood vessel extraction using a new enhancement technique of modified convolution filter and Sauvola Thresholding

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International Journal of Image and Graphics has received your revised submission.

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Submission Confirmation for IJIG-D-21-00073R2

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Kepada: erwin erwin <erwin@unsri.ac.id>

7 September 2021 11.08

Ref.: Ms. No. IJIG-D-21-00073R2
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Int J. of Image & Graphics (IJIG) <em@editorialmanager.com>
Balas Ke: "Int J. of Image & Graphics (IJIG)" <ijig@wspc.com>
Kepada: erwin erwin <erwin@unsri.ac.id>

6 September 2021 14.37

Ref.: Ms. No. IJIG-D-21-00073R1
Retinal blood vessel extraction using a new enhancement technique of modified convolution filter and Sauvola Thresholding
International Journal of Image and Graphics

Dear Dr. erwin erwin,

Reviewers' comments concerning your manuscript have been obtained and are detailed below. Based on their comments, it is my pleasure to inform you that your paper has been conditionally accepted subject to your minor revision.

Please revise your manuscript along the lines described by the reviewers. Please submit one soft copy of the revised manuscript with the correct IJIG format as well as a description of how you followed the reviewers' comments in preparing your revision via the following website:

%JOURNALURL%

Your login name is: erwin-ijig

Your password is : [click here to reset your password](#)

Please note that you final version is due by Sep 14, 2021. Otherwise, you will be required to submit the paper as a new submission.
Thank you for submitting your manuscript to International Journal of Image and Graphics.

Yours sincerely

Yong Xu, Ph.D.
Editor-in-Chief
International Journal of Image and Graphics

Reviewers' comments:

We recommend that the paper be accepted for publication.

Reviewer #1: Thanks for making necessary changes according my previous recommendations. No it looks great for publication in the Journal.

Reviewer #2: The extraction of retinal images to acquire the blood vessels generated in this article is presented. This version is better than the previous version.

Comments from IJIG office:

The author has modified this paper according to all reviewers' comments. And this paper will be accepted after the author cite the following papers:

1. Han M, Kim Y, Park J R, et al. Retinal Blood Vessel Caliber Estimation for Optical Coherence Tomography Angiography Images Based on 3D Superellipsoid Modeling. International Journal of Image and Graphics, 2019, 19(02): 1950011.
2. Panigrahi S K, Gupta S. Joint Bilateral Filter for Signal Recovery from Phase Preserved Curvelet Coefficients for Image Denoising. International Journal of Image and Graphics, 2021: 2150049.
3. Salehi H, Vahidi J. A Novel Hybrid Filter for Image Despeckling Based On Improved Adaptive Wiener Filter, Bilateral Filter and Wavelet Filter. International Journal of Image and Graphics, 2021: 2150036.

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Int J. of Image & Graphics (IJIG) <em@editorialmanager.com>
Balas Ke: "Int J. of Image & Graphics (IJIG)" <ijig@wspc.com>
Kepada: erwin erwin <erwin@unsri.ac.id>

7 September 2021 12.05

CC: "HADRIANS Kesuma Putra" hadrianskesuma@fk.unsri.ac.id, "BAMBANG SUPRIHATIN" bambang@unsri.ac.id, "Fathoni Fathoni" fathoni@unsri.ac.id

Ref.: Ms. No. IJIG-D-21-00073R2
Retinal blood vessel extraction using a new enhancement technique of modified convolution filter and Sauvola Thresholding
International Journal of Image and Graphics

Decision: Accept - Pending Source Files

Dear Dr. erwin,

In order to successfully publish your paper in IJIG, we need the finalized manuscript of your paper. Therefore, please prepare the finalized manuscript strictly according to the format of IJIG, and submit it to the author submission system. If you have any questions, please email to Mr. Hu, who is the editorial assistant of IJIG (huzhijuncool@163.com). We will put your paper online (Please click: <https://www.worldscientific.com/toc/ijig/0/ja>) as soon as you send us your finalized manuscript. Thank you very much for your support.

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All comments to authors and/or reviewer comments are as below:

Sincerely,

Yong Xu, Ph.D.
Editor-in-Chief
International Journal of Image and Graphics

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Submission Confirmation for IJIG-D-21-00073R3

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Balas Ke: "Int J. of Image & Graphics (IJIG)" <ijig@wspc.com>
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8 September 2021 12.24

Ref.: Ms. No. IJIG-D-21-00073R3
Retinal blood vessel extraction using a new enhancement technique of modified convolution filter and Sauvola Thresholding

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IJIG 2350006 (1st proofs)

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Kepada: erwin@unsri.ac.id

6 Desember 2021 00.36

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As we have a tight production schedule at hand, I would appreciate it if you can get back to me by 7 December 2021.

Regards
Nithin

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Coordinator Journal Project Management
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6 Desember 2021 08.38

Dear Nithin

Attached, I have checked from the first proof of my paper.

Regards
Erwin
Associate Professor

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8 September 2021 14.03

Ref.: Ms. No. IJIG-D-21-00073R3
Retinal blood vessel extraction using a new enhancement technique of modified convolution filter and Sauvola Thresholding
International Journal of Image and Graphics

Dear Dr. erwin erwin,

I am pleased to inform you that your work has now been accepted for publication in International Journal of Image and Graphics.

It was accepted on Sep 08, 2021.

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