

Computers and Electronics in Agriculture

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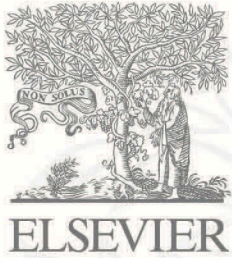
Awarded for 2 reviews between November 2024 and February 2025
presented to

TONI KUSNANDAR

in recognition of the review contributed to the journal

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Franklin Open

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The Editors of Franklin Open



[BioRes] Article Review Acknowledgement

1 pesan

Martin Hubbe via <noreply@ojs.bioresources.com>
Balas Ke: Martin Hubbe <hubbe@ncsu.edu>
Kepada: Toni Kusnandar <tonikusnandar@stmik-mi.ac.id>

26 Oktober 2025 pukul 02.24

Toni Kusnandar:

Thank you for completing the review of the submission, "Image Recognition of Dyed Fibers and Component Analysis of Cigarette Paper Based on HSV Threshold Segmentation," for *BioResources*. We appreciate your contribution to the quality of the work that we publish.

Great peer-reviewing input. Thank you very much.

We recommend that peer-reviewers of article submitted to *BioResources* each build a "Research Profile" (Web of Science / Clarivate, formerly Publons) as a way to get your Acknowledgments for your peer-reviewing efforts. Detailed instructions are provided at the following URL:

<https://bioresources.cnr.ncsu.edu/authors-and-reviewers/acknowledgment-of-your-peer-reviewing/>

Dr. Lucian A. Lucia, PhD (lucia-bioresources@ncsu.edu) and Dr. Martin A. Hubbe, PhD, (hubbe@ncsu.edu), Co-Editors, *BioResources*
[BioResources \(Submissions; Peer review\)](#)

<https://bioresources.cnr.ncsu.edu/> (Main website, Author instructions, etc.)

Martin Hubbe

[BioRes] Article Review Request: Image Recognition of Dyed Fibers and Component Analysis of Cigarette Paper Based on HSV Threshold Segmentation

1 pesan

Dalia Coffman via <noreply@ojs.bioresources.com>
Balas Ke: Dalia Coffman <dmcoffma@ncsu.edu>
Kepada: Toni Kusnandar <tonikusnandar@stmik-mi.ac.id>

10 Oktober 2025 pukul 02.19

Toni Kusnandar:

We at the journal believe that you would serve as an excellent reviewer of the manuscript, "Image Recognition of Dyed Fibers and Component Analysis of Cigarette Paper Based on HSV Threshold Segmentation," which has been submitted to BioResources. The submission's abstract is inserted below, and I hope you will consider undertaking this important task for us.

Please log in to the journal website by 2025-10-16 to indicate whether you will undertake the review or not, as well as to access the submission and to record your review and recommendation.

Please prepare your review report either as text (entered or pasted into the field provided) or as an attached WORD document. Please refer to the line numbers in the peer-reviewed article for your detailed comments.

The review itself is due 2025-10-23.

Submission URL: <https://ojs.bioresources.com/index.php/BRJ/reviewer/submission?submissionId=25011&reviewId=22659&key=2XRHT8cAk37i>

Thank you for considering this request. We recommend peer reviewers of articles submitted to *BioResources* each build a "Research Profile" (Web of Science / Clarivate, formerly Publons) to receive Acknowledgments for your peer-reviewing efforts. Detailed instructions are provided at the following URL:

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Dalia Coffman
dmcoffma@ncsu.edu

"Image Recognition of Dyed Fibers and Component Analysis of Cigarette Paper Based on HSV Threshold Segmentation"

Traditional fiber component analysis combining Herzberg and Graff "C" staining achieves high accuracy but relies on manual fiber length measurement using ImageJ software, making it cumbersome and subjective. This study developed a MATLAB-based image preprocessing approach utilizing HSV color space transformation and color threshold segmentation to achieve precise extraction of different fibers from stained microscopic images. Experiments employed four two-component and two three-component mixed slurry samples to compare accuracy and efficiency against the ImageJ method. Optimal color rendering was attained with saturation and lightness gain factors of 1.5 and 1.1 after Herzberg staining and 2.0 and 1.1 after Graff "C" staining. The new method matched ImageJ's accuracy while significantly improving processing efficiency. Applied to commercial cigarette paper, it accurately identified fiber components consistent with raw material data. Integrating staining techniques with image recognition maintains analytical precision while substantially boosting detection speed. This approach provides an efficient high-throughput solution for cigarette paper fiber analysis with clear industrial application potential.

Dr. Lucian A. Lucia, PhD (lucia-bioresources@ncsu.edu) and Dr. Martin A. Hubbe, PhD, (hubbe@ncsu.edu), Co-Editors,
BioResources
[BioResources \(Submissions; Peer review\)](#)

<https://bioresources.cnr.ncsu.edu/> (Main website, Author instructions, etc.)

Dalia Coffman