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## Reviewer Invitation for Journal of Basic and Clinical Physiology and Pharmacology: JBCPP.2020.0397

1 message

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Journal of Basic and Clinical Physiology and Pharmacology <onbehalf@manuscriptcentral.com>

Wed, Jan 6, 2021 at 10:47 AM

Reply-To: jbcpp.editorial@degruyter.com

To: wiwied-e@ff.unair.ac.id

Cc: scientificcph@ff.unair.ac.id

05-Jan-2021

Dear Dr. Ekasari,

Manuscript ID JBCPP.2020.0397 entitled "Artocarpus sericarpus stem bark contains antimalarial substances against Plasmodium falciparum" with Dr. Widyawaruyanti as contact author has been submitted to Journal of Basic and Clinical Physiology and Pharmacology (JBCPP).

I would like to invite you to evaluate the above manuscript with respect to its suitability for inclusion in JBCPP. Your expertise in the subject matter of this manuscript will facilitate the editorial decision whether to accept or reject this manuscript based on its scientific content. The abstract appears at the end of this letter, along with the names of the authors.

As a sign of our gratitude, we would like to grant you a free 7-day access token, which will provide you with free access to the journal after you submitted your comments.

Please let me know if you will be able to accept my invitation to review. In order to accept the invitation, please click the appropriate link at the bottom of the page to automatically register your reply with our online manuscript submission and review system, or e-mail me with your reply.

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We are eager to maintain our standards of very rapid processing of manuscripts, and would appreciate your reply to this invitation within 5-7 days, and receipt of your review within approx. 2-3 weeks. In case you are willing to evaluate the manuscript but are unable to meet the deadline, please immediately inform the Editorial Office by e-mail at [jbcpp.editorial@degruyter.com](mailto:jbcpp.editorial@degruyter.com).

I realize that our expert reviewers greatly contribute to the high standards of the Journal, and I thank you for your present and/or future participation.

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Kind regards,

## MANUSCRIPT DETAILS

TITLE: Artocarpus sericarpus stembark contains antimalarial substances against Plasmodium falciparum

AUTHORS: Widyawaruyanti, Aty; Tumewu, Lidya; A'yun, Lutfu Qurrota; Ilmi, Hilkatul; Hafid, Achmad Fuad

ABSTRACT: Objectives: The finding of alternative medicine for malarial treatment still become an important demand. Plant is one of the potential source of drugs among others natural sources. Chemotaxonomy approach leads us to determine the alternative antimalarial substances. Artocarpus species showed great potential as antimalarial source. This study aims to obtain active antimalarial fraction from Artocarpus sericarpus stembark.

Methods: Stembark of A. sericarpus was extracted using ultrasonic assisted extraction method using n-hexane, dichloromethane and methanol as a solvent. Fractionation of dichloromethane extract were conducted by open column chromatography using octadesyl silica as a stationary phase and gradient acetonitrile-water as a mobile phase.

Antimalarial activity was determined by lactate dehydrogenase (LDH) assay against P. falciparum 3D7 strain.

Results: Artocarpus sericarpus n-hexane, dichloromethane and methanol extracts were showed antimalarial activity with IC50 value of >4 µg/mL, 2.11 µg/mL and >4 µg/mL respectively. Fractionation of dichloromethane extract was obtained 13 fractions. Seven of the 13 fractions tested showed strong active antimalarial activity. Fraction-6 performed the highest inhibition with IC50 value of  $1.53 \pm 0.04$  µg/mL. Phytochemistry screening revealed that Fraction-6 contains flavonoid, polyphenol and terpenoid compound which possible to take a role on its antimalarial activity.

Conclusions: A. sericarpus contains antimalarial substances mainly in Fraction-6 which strong active inhibited the growth of P. falciparum. Flavonoid, polyphenol and terpenoid compounds were identified in Fraction-6 which need to be further isolated to obtain and elucidate the active antimalarial compounds.

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## JBCPP.2020.0397 is now in your Reviewer Center - Journal of Basic and Clinical Physiology and Pharmacology

1 message

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Journal of Basic and Clinical Physiology and Pharmacology <onbehalf@manuscriptcentral.com>

Fri, Jan 8, 2021 at 11:26 AM

Reply-To: jbcpp.editorial@degruyter.com

To: wiwied-e@ff.unair.ac.id

07-Jan-2021

Dear Dr. Ekasari,

Thank you for agreeing to review Manuscript ID JBCPP.2020.0397 entitled "Artocarpus sericarpus stem bark contains antimalarial substances against Plasmodium falciparum" for Journal of Basic and Clinical Physiology and Pharmacology (JBCPP).

Please try your best to complete your review by 25-Jan-2021.

In your review, please answer all questions. On the review page, there is a space for "Comments to Editor" and a space for "Comments to the Author." Please be sure to put your comments to the author in the appropriate space.

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All communications regarding this manuscript are privileged. Any conflict of interest, suspicion of duplicate publication, fabrication of data or plagiarism must immediately be reported to us.

Thank you for evaluating this manuscript.

Kind regards

Dr. Suciati Suciati

Guest Editor, Journal of Basic and Clinical Physiology and Pharmacology

[suciati@ff.unair.ac.id](mailto:suciati@ff.unair.ac.id)

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## JBCPP.2020.0397 - Reviewer thank you

1 message

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**Journal of Basic and Clinical Physiology and Pharmacology** <onbehalf@manuscriptcentral.com>  
Reply-To: jbcpp.editorial@degruyter.com  
To: wiwied-e@ff.unair.ac.id

Mon, Jan 25, 2021 at 3:02 PM

25-Jan-2021

Dear Dr. Ekasari,

Thank you for reviewing manuscript JBCPP.2020.0397 entitled "Artocarpus sericarpus stem bark contains antimalarial substances against Plasmodium falciparum" for Journal of Basic and Clinical Physiology and Pharmacology (JBCPP).

On behalf of the Editors of JBCPP, we appreciate the voluntary contribution that each reviewer gives to the Journal. We thank you for your help and participation in the online peer review process and hope that we may call upon you again to review future manuscripts.

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Kind regards  
Dr. Alberto Marra  
Journal of Basic and Clinical Physiology and Pharmacology  
[jbcpp.editorial@degruyter.com](mailto:jbcpp.editorial@degruyter.com)

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Review data:

Reviewer salutation: Dr.

Reviewer first name: Wiwied

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Reviewer ORCID:

Publisher: De Gruyter

Journal name: Journal of Basic and Clinical Physiology and Pharmacology

Manuscript number: JBCPP.2020.0397

Manuscript title: Artocarpus sericarpus stem bark contains antimalarial substances against Plasmodium falciparum

Manuscript authors: Widyawaruyanti, Aty; Tumewu, Lidya; A'yun, Lutfu Qurrota; Ilmi, Hilkatul; Hafid, Achmad Fuad

Date of review: 25-Jan-2021

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