

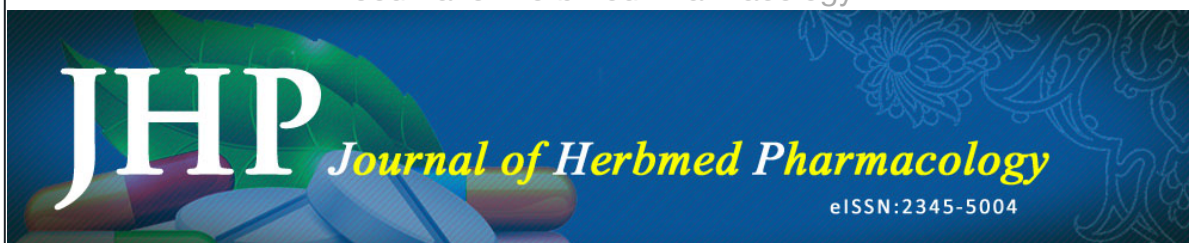
Review Request for Journal of Herbmmed Pharmacology (JHP)

From: master@herbmedpharmacol.com (master@herbmedpharmacol.com)

To: yuliyusrini@yahoo.com

Date: Thursday, 22 April 2021, 09:46 am GMT+8

Journal of Herbmmed Pharmacology



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Review Request for Journal of Herbmmed Pharmacology (JHP)

Dear Dr Yulia Yusrini Djabir,

I cordially invite you to review the manuscript "**Protective Effect of Dietary supplements against Streptozotocin-Induced Alzheimer's Disease in Mice**" which has been submitted to "Journal of Herbmmed Pharmacology (JHP)" since I believe you would make an excellent review considering your area of expertise. If you are willing to review the mentioned manuscript you are kindly requested to log into the journal's website as reviewer with your account and submit your review through the system.

If you are willing to review this manuscript, please click on the link below:

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If you cannot review this manuscript, please click on the link below. I would also appreciate your suggestions for alternate reviewers.

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Please be advised that in order to provide authors with timely decisions we expect reviews to be made within two weeks. Thank you for considering this request.

Abstract

Abstract

Introduction: Alzheimer's is a neurodegenerative disease increased progressively due to the increment of aging worldwide. Phytochemicals play an important role in the protection from neurodegenerative. The present study aimed to evaluate the protective effect of two dietary supplements (DS) rich in betalains, anthocyanins and omega-3 fatty acids against Alzheimer's disease (AD). Methods: Two dietary supplements (DS I and DS II) were prepared; the first one is a mixture of anthocyanin-rich extract of purple carrot and flaxseed oil (DS I), while the second is a mixture of betalains-rich extract of beetroot and flaxseed oil (DS II). The protective effect of both dietary supplements was evaluated in AD model. AD was induced in mice by intracerebroventricular (ICV) injection of streptozotocin (3 mg/kg). Biochemical changes in brain tissue and plasma were determined. Behavioural of mice was evaluated through Y-maze test, Morris water maze and novel object recognition test. Changes in brain tissues were assessed through histopathological examination. In-vitro antioxidant activity of both DS was evaluated. Also the content of total phenolic, of these dietary supplements was assessed. Anthocyanins, betalains and fatty acids profile of purple carrot extract, beetroot extract and flaxseed oil was determined, respectively. Results: Both dietary supplements investigated in the present study showed significant improvement in the different biochemical parameters in brain tissue and plasma in association with amelioration in the behavioural tests and histopathological of brain tissue. Conclusion: Both dietary supplements showed protective effect against STZ induced AD in mice. Dietary supplement II was superior in this concern.

Best Regards,

Editor in Chief

Shahrekord University of Medical Sciences

Thank you for submitting your review

From: master@herbmedpharmacol.com

To: yuliyusrini@yahoo.com

Date: Tuesday, 27 April 2021, 09:25 am GMT+8

Journal of Herbmed Pharmacology



Dear Yulia Yusrini Djabir

Thanks for submitting your review on the manuscript entitled **Protective Effect of Dietary supplements against Streptozotocin-Induced Alzheimer's Disease in Mice**. The editorial board appreciates all your time and effort.

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Sincerely Yours,
Administrator

Shahrekord University of Medical Sciences