

IJPR articles are Indexed in SCOPUS [Click Here](#) Impact Factor for Five Years is 1.55 (2012 - 2016).



# INTERNATIONAL JOURNAL OF PHARMACEUTICAL RESEARCH

A Step Towards Excellence

IJPR INCLUDED IN UGC-APPROVED LIST OF JOURNALS - REF. NO. IS SL. NO. 4812 & J. NO. 63703

ISSN

0975-2366

[Home](#)

[About Us](#)

[Editorial Board](#)

[Instruction to Authors](#)

[Current Issue](#)

[Article In Press](#)

[Table Of Contents](#)

5 - YEARS IMPACT  
FACTOR

**Year 2010 - 2014**

Impact Factor: 1.3

Total Publications: 313

Total Citation: 407

**Year 2009 - 2013**

CURRENT ISSUE

Volume 10, Issue 3, July - Sept,  
2018

22<sup>nd</sup> NATIONAL  
CONVENTION

22nd National Convention of Society  
of Pharmacognosy & International  
Conference. For more details visit

For More Detail Visit  
[ncsp.ganpatuniversity.ac.in](http://ncsp.ganpatuniversity.ac.in)

ARTICLE IN PRESS

**EFFECT OF PARTICLE SIZE ON  
DISSOLUTION PROFILE OF  
CIPROFLOXACIN  
HYDROCHLORIDE FROM  
FLOATING MATRIX TABLET**

**Ethical sensitivity relationship  
with communication skills in  
Iranian nursing managers**

ADOBE READER

(Require Adobe Acrobat Reader to  
open, If you don't have Adobe Acrobat  
Reader)



[Click here to Download](#)

IJPR ISSUE

**January - March 6 [1] 2014**

[Click to download](#)

IJPR 9[3] JULY -  
SEPTEMBER 2017  
SPECIAL ISSUE

**July - September 9[3] 2017**

[Click to download](#)

PIPPHARMACON & IJPR

Q Manuscript Status...

GO

## Article Detail

**Phytochemical and antioxidant capacity profiles of SyzygiumCumini (L.) Skeelsleaves grown in Telur Bagan Kedah, Malaysia using Sequential Cold Percolation Extraction**

Author: **SUSI SUKMASARI**, FARAH NATASHA MOHD, OMAR ABDUL JABBAR ABDUL QADER, ABDALMONEM DOOLAANEA, MOHAMMAD NASRIN ABDUL RAHMAN

Abstract: This study aimed to investigate the phytochemicals and antioxidant properties of Syzygiumcumini(L.) Skeels grown in Telur BaganKedah, Malaysia Syzygiumcuminiwas extracted successively in 5 different solvents which are petroleum ether, toluene, ethyl acetate, acetone, and water, using sequential cold percolation method. The dried crude extractswerecharacterized for percentage yield, total phenolic content, total flavonoid content, percentage of DPPH radical scavenging activity, and reducing power to reduce Fe3+ to Fe2+ using FRAP assay.Extracts from different solvents produced different results. Toluene extract had the highest percentage yield, and highest total phenolic content, whereas acetone extract had the highest total flavonoid content. Water extract had the highest antioxidant capacity using DPPH test, with value of  $11.89 \pm 1.14$  mg AEAC/g of dried leaves and reducing power from FRAP assay with value of  $4512.83 \pm 287.73$   $\mu$ g AAE/g of dried leaves. Petroleum ether had the highest antioxidant capacity in terms of inhibitory concentration of DPPH, due to its lowest IC50 value.All the phytochemical and antioxidant properties of Syzygiumcumini were successfully documented, analyzed .

Keyword: Syzygiumcumini, antioxidant, phenolic contents, DPPH, FRAP, flavonoids

Download: [Request For Article](#)



ELSEVIER

Embase<sup>®</sup>



USER LOGIN

- Author  Reviewer  
 Editor  Subscriber

Username

Password

[Login](#) | [Register](#)

AICTE INTERNATIONAL  
CONFERENCE

AICTE Sponsored International  
Conference on Challenges,  
Opportunities and Newer Directions  
of Pharmacovigilance and Clinical  
Research in India

Download Brochure



For More Detail Visit  
[www.pippharmacon.org](http://www.pippharmacon.org)

NEWS & EVENTS

PlumX Metrics

00002839

0.07 <sup>2017</sup>  
CiteScore

11th percentile

Powered by [Scopus](#)

# Phytochemical and antioxidant capacity profiles of syzygiumcumini (L.) skeelsleaves grown in Telur Bagan Kedah, Malaysia using sequential cold percolation extraction

**Authors:** Sukmasari, S.<sup>1</sup>  
Mohd, F.N.<sup>2</sup>  
Abdul Qader, O.A.J.<sup>3</sup>  
Doolaanea, A.<sup>4</sup>  
Abdul Rahman, M.N.<sup>4</sup>

**Affiliation:** <sup>1</sup>Department of Paediatric Dentistry, Kulliyah of Dentistry, International Islamic University Malaysia  
<sup>2</sup>Department of Special Needs Dentistry, Kulliyah of Dentistry, International Islamic University Malaysia  
<sup>3</sup>Department of Oral Medicine and Oral Pathology, Kulliyah of Dentistry, International Islamic University Malaysia  
<sup>4</sup>Advanced Drug Delivery Lab, Department of Pharmaceutical Technology, Kulliyah of Pharmacy, International Islamic University Malaysia

**Source:** In: *International Journal of Pharmaceutical Research*. (International Journal of Pharmaceutical Research, April-June 2018, 10(2):251-255)

**Publication Information:** Advanced Scientific Research

**Publication Year:** 2018

**Author Keywords:** Antioxidant  
DPPH  
Flavonoids  
FRAP  
Phenolic contents  
Syzygiumcumini

**Document Type:** Article

**Language:** English

**ISSN:** 09752366

**Rights:** Copyright 2018 Elsevier B.V., All rights reserved.

**Accession Number:** edscl.2-52.0-85048585518

Scopus