

Scopus (/home.uri?zone=header&origin=searchbasic)

Document details

< Back to results (<https://www.scopus.com/results/results.uri?sort=plf-f&src=s&st1=BETWEEN+THE+BIOACTIVE+EXTRACTS+OF+EDIBLE+MUSHROOMS+AND+PHARMACOLOGICALLY+IMPORTANT+NANOPARTICLES%3a+NE%c2%a0A+MINI+REVIEW&st2=&sid=71BCF6FC5CA8EA62A9E3271D0A64DB8C.wsnAw8kcdt7IPYLO0V48gA%3a160&sort=b&sd=b&sl=184&s=TITLE-ABS-KEY%28BETWEEN+THE+BIOACTIVE+EXTRACTS+OF+EDIBLE+MUSHROOMS+AND+PHARMACOLOGICALLY+IMPORTANT+NANOPARTICLES%3a+NEED+%c2%a0A+MINI+REVIEW%29&offset=1&origin=recordpage>)

1 of 1

0 Field-Weighted

Export Download Print E-mail Save to PDF Add to List More... >

Citation Impact

[Full Text](#)

targetURL=https://www.scopus.com/redirect/linking.uri?
targetURL=https://www.scopus.com/redirect/linking.uri?

at Publisher (<https://www.scopus.com/redirect/linking.uri?targetURL=https://www.scopus.com/redirect/linking.uri&issn=09742441&linkType=TemplateLinking&year=2017&zone=outwardlinks&origin=recordpage&dig=799d18ccb1de460fc0d155c8442c1ff&recordRank=1&eid=2-s2.0-85014743190&issn=09742441&linkType=ViewAtPublisher&year=2017&origin=recordpage&dig=eeb74ab6a31d6f1166a4cdcc322425b3&recordRank=1>)

Cited by 0 documents

Inform me when this document
is cited in Scopus
([/alert/form/document.cfm?recordID=22425b3&recordRank=1](#))

[Set citation alert > \(/alert/form/document.cfm?recordID=22425b3&recordRank=1\)](#)

[Set citation feed > \(/results/rss/handler.u](#)

Asian Journal of Pharmaceutical and Clinical Research (<https://www.scopus.com/sourceid/19700174904?origin=recordpage>)

Open Access

Volume 10, Issue 3, March 2017, Pages 13-24

Between the bioactive extracts of edible mushrooms and pharmacologically important nanoparticles: Need for the investigation of a synergistic combination - A mini review (Review)

Ishmael, U.C.^a (<https://www.scopus.com/authid/detail.uri?authorId=57189090280&eid=2-s2.0-85014743190>)

(mailto:chinoreal1456@yahoo.com),

Rashid, S.S.^{ac} (<https://www.scopus.com/authid/detail.uri?authorId=56312039100&eid=2-s2.0-85014743190>),

Jalal, K.C.A.^b (<https://www.scopus.com/authid/detail.uri?authorId=57193547714&eid=2-s2.0-85014743190>),

Sarkar, S.^a (<https://www.scopus.com/authid/detail.uri?authorId=57193544417&eid=2-s2.0-85014743190>),

Hamid, H.A.^a (<https://www.scopus.com/authid/detail.uri?authorId=55695535000&eid=2-s2.0-85014743190>),

Azmi, N.S.^a (<https://www.scopus.com/authid/detail.uri?authorId=55824365500&eid=2-s2.0-85014743190>)

^aFaculty of Industrial Sciences and Technology, Universiti Malaysia Pahang, Malaysia

^bInstitute of Oceanography and Maritime Studies, Kulliyah of Science, International Islamic University Malaysia, Malaysia

^cCentre for Bio-composites and Innovative Materials, Universiti Malaysia Pahang, Lebuhraya Tun Razak, Kuantan, Gambang, Pahang, Malaysia

[View additional affiliations](#) ▾

Abstract

View references (109)

The pharmacological potential of bioactive compounds extracted from mushrooms has been studied to a reasonable level. In the same vein, the bioactivity of nanoparticles has also been investigated and reported to be of potential pharmacological benefit. No doubt, there is a reasonable amount of claims regarding the vast activity of the mushroom extracts and nanoparticles on the tested cell lines and microorganisms. In this paper, a review of the recent application of bioactive compounds extracted from two edible mushrooms (*Coprinus comatus* and *Lactarius deliciosus*), as well as some of the recently reported studies on some nanoparticles of pharmacological potentials, was carried out. In order to check for synergy in the bioactivity of the mushroom extracts when co-administered with nanoparticles, an investigation on the synergistic application of the materials through the encapsulation of the bioactive extracts from the mushroom onto the nanoparticle was proposed. The supposed synergy in the activity of the extract-nanoparticle complex could hold the key to improved activity of nutraceuticals against resistant microorganisms and tumor cells. © 2017 The Authors.

Author keywords

Bioactive extracts Coprinus comatus Lactarius deliciosus Nanoparticles Synergy

ISSN: 09742441
Source Type: Journal
Original language: English

DOI: 10.22159/ajpcr.2017.v10i3.15406
Document Type: Review
Publisher: Innovare Academics Sciences Pvt. Ltd

(<https://www.scopus.com/authid/detail?origin=recordpage&authorId=556005>)
, Chai, T.-T.
(<https://www.scopus.com/authid/detail?origin=recordpage&authorId=361505>)
, Tan, S.-L.
(<https://www.scopus.com/authid/detail?origin=recordpage&authorId=559755>)
(2013) *Tropical Journal of Pharmaceutical Research*

References (109)

Format > (<https://www.scopus.com/search/submit/references.uri?sort=plf-f&src=r&imp=t&sid=71BCF6FC5CA8EA62A9E3271D0A64DB8C.wsnAw8kcdt7IPYLO0V48gA%3a260&sot=rec&sdt=citedreferences&sl=23&s=EID%282-&origin=recordpage&citeCnt=1&citingId=2-s2.0-85014743190>)

All Export  Print  E-mail Save to PDF Create bibliography

View all 109 references (<https://www.scopus.com/search/submit/references.uri?sort=plf-f&src=r&imp=t&sid=71BCF6FC5CA8EA62A9E3271D0A64DB8C.wsnAw8kcdt7IPYLO0V48gA%3a260&sot=rec&sdt=citedreferences&sl=23&s=EID%282-&origin=recordpage&citeCnt=1&citingId=2-s2.0-85014743190%29&origin=recordpage&citeCnt=1&citingId=2-s2.0-85014743190>)

1 Barros, L., Cruz, T., Baptista, P., Estevinho, L.M., Ferreira, I.C.F.R.

Wild and commercial mushrooms as source of nutrients and nutraceuticals (<https://www.scopus.com/record/display.uri?eid=2-s2.0-8502265181&src=r&imp=t&sid=71BCF6FC5CA8EA62A9E3271D0A64DB8C.wsnAw8kcdt7IPYLO0V48gA%3a260&sot=rec&sdt=citedreferences&sl=23&s=EID%282-&origin=recordpage&citeCnt=0&noHighlight=1&st1=BETWEEN+THE+BIOACTIVE+EXTRACTS+OF+EDIBLE+MUSHROOMS+AND+PHARMACOLOGICALLY+IMPROVED+PLANT+AND+MINI+REVIEW%29&recordRank=1>)

(2008) *Food and Chemical Toxicology*, 46 (8), pp. 2742-2747. Cited 167 times (<https://www.scopus.com/search/submit/citedby.uri?eid=2-s2.0-85014743190&src=r&imp=t&sid=71BCF6FC5CA8EA62A9E3271D0A64DB8C.wsnAw8kcdt7IPYLO0V48gA%3a260&sot=rec&sdt=citedreferences&sl=23&s=EID%282-&origin=recordpage&citeCnt=1&citingId=2-s2.0-85014743190%29&origin=recordpage&citeCnt=1&citingId=2-s2.0-85014743190>)

View at Publisher (<https://www.scopus.com/redirect/linking.uri?targetURL=https%3a%2f%2fdoi.org%2f10.1016%2fj.fct.2008.04.030&locationID=3&cid=47149112360&issn=02786915&linkType=ViewAtPublisher&year=2008&origin=reflist&dig=10277e25c60e80d83692092c67b65&pubDate=2008-04-03&pubYear=2008&volume=46&issue=8&page=2742&recordRank=1>)

2 Gursoy, N., Sarikurcu, C., Tepe, B., Solak, M.H.

Evaluation of antioxidant activities of 3 edible mushrooms: Ramaria flava (Schaef.: Fr.) Quel., Rhizopogon roseolus (Corda) and Pholiota squarrosa (Berk.) Sing. (<https://www.scopus.com/record/display.uri?eid=2-s2.0-85014743190&src=r&imp=t&sid=71BCF6FC5CA8EA62A9E3271D0A64DB8C.wsnAw8kcdt7IPYLO0V48gA%3a160&sot=rec&sdt=citedreferences&sl=23&s=EID%282-&origin=recordpage&citeCnt=0&noHighlight=1&st1=BETWEEN+THE+BIOACTIVE+EXTRACTS+OF+EDIBLE+MUSHROOMS+AND+PHARMACOLOGICALLY+IMPROVED+PLANT+AND+MINI+REVIEW%29&recordRank=1>)

(2010) *Food Science and Biotechnology*, 19 (3), pp. 691-696. Cited 19 times (<https://www.scopus.com/search/submit/citedby.uri?eid=2-s2.0-85014743190&src=r&imp=t&sid=71BCF6FC5CA8EA62A9E3271D0A64DB8C.wsnAw8kcdt7IPYLO0V48gA%3a160&sot=rec&sdt=citedreferences&sl=23&s=EID%282-&origin=recordpage&citeCnt=1&citingId=2-s2.0-85014743190%29&origin=recordpage&citeCnt=1&citingId=2-s2.0-85014743190>)

View at Publisher (<https://www.scopus.com/redirect/linking.uri?targetURL=https%3a%2f%2fdoi.org%2f10.1007%2fs10068-010-0097-8&locationID=79957636495&issn=12267708&linkType=ViewAtPublisher&year=2010&origin=reflist&dig=ea025dac9f78613664d0a658f1b1c18&recordRank=1>)

3 Lam, Y.W., Ng, T.B., Wang, H.X.

Antiproliferative and antimitogenic activities in a peptide from puffball mushroom Calvatia caelata (<https://www.scopus.com/record/display.uri?eid=2-s2.0-85014743190&src=r&imp=t&sid=71BCF6FC5CA8EA62A9E3271D0A64DB8C.wsnAw8kcdt7IPYLO0V48gA%3a160&sot=rec&sdt=citedreferences&sl=23&s=EID%282-&origin=recordpage&citeCnt=0&noHighlight=1&st1=BETWEEN+THE+BIOACTIVE+EXTRACTS+OF+EDIBLE+MUSHROOMS+AND+PHARMACOLOGICALLY+IMPROVED+PLANT+AND+MINI+REVIEW%29&recordRank=1>)

(2001) *Biochemical and Biophysical Research Communications*, 289 (3), pp. 744-749. Cited 37 times (<https://www.scopus.com/search/submit/citedby.uri?eid=2-s2.0-85014743190&src=r&imp=t&sid=71BCF6FC5CA8EA62A9E3271D0A64DB8C.wsnAw8kcdt7IPYLO0V48gA%3a160&sot=rec&sdt=citedreferences&sl=23&s=EID%282-&origin=recordpage&citeCnt=1&citingId=2-s2.0-85014743190%29&origin=recordpage&citeCnt=1&citingId=2-s2.0-85014743190>)

View at Publisher (<https://www.scopus.com/redirect/linking.uri?targetURL=https%3a%2f%2fdoi.org%2f10.1006%2fbbr.2001.6036&locationID=3&cid=0035824389&issn=0006291X&linkType=ViewAtPublisher&year=2001&origin=reflist&dig=1be748c1fc9f12feb71971cc77b973&recordRank=1>)