

ANNALS OF PHYTOMEDICINE
An International Journal

Print ISSN : 2278-9839

Online ISSN : 2393-9885

Thomson Reuters : Web of Science: **Emerging Sources Citation Index (ESCI)**

UGC : **AP is now included in the approved list of UGC Journals**

Link : <https://mjl.clarivate.com/home>

NAAS Rating (2022) : **Government of India: 5.95**

MedLine : **NLM-ID: 01695900 (Serial)**

Aims and Scope

Annals of Phytomedicine (AP), is an international, peer-reviewed scientific journal, dedicated to publishing cutting edge research in all areas of phytomedicine. It will publish significant and outstanding developments in all phases of phytomedicine, thus ensuring its scientific priority. The manuscripts intended for publication shall be rigorously refereed and selected on the basis of quality and originality of the work. The journal is aimed at publishing and disseminating the innovative findings in the field of pharmacognosy, phytopharmacology, phytotherapy, chemistry of natural products, phytopharmaceuticals, biological activity of plant extracts and isolated compounds, clinical studies of standardized phytopreparations, phytotoxicity and standardization of drugs and also other related aspects within a single publication.

ANNALS OF PHYTOMEDICINE: An International Journal
BOARD OF EDITORS

EDITOR-IN-CHIEF

Dr. Irfan Ali Khan : Former Director

Nawab Shah Alam Khan Center for Post Graduate Studies and Research, (Osmania University), Mallepally, Hyderabad, T.S., India
ukaaz@yahoo.com

MANAGING EDITOR

Dr. Atiya Khanum : Former Chairman

Dept. of Botany, Nawab Shah Alam Khan Center for Post Graduate Studies and Research, (Osmania University), Mallepally, Hyderabad, T.S., India
ukaaz@yahoo.com

EDITOR

Dr. Adnan A. Khan : Assistant Professor (Health Sciences)

Division of Nephrology and Hypertension, Department of Medicine, University of California, San Diego, USA
khan.dr.adnan@gmail.com

ASSOCIATE EDITORS

Dr. Syed Ibrahim Rizvi : Professor

Department of Biochemistry, Allahabad Central University, Uttar Pradesh, India
sirizvi@gmail.com

Dr. Suaib Luqman : Senior Scientist

CIMAP, Lucknow, Uttar Pradesh, India
s.luqman@cimap.res.in

Dr. Narayan Prasad Yadav : Scientist

CIMAP, Lucknow, Uttar Pradesh, India
np Yadav@gmail.com

Dr. Sayeed Ahmed : Associate Professor

Hamdard University, New Delhi, India
sahmad_jh@yahoo.co.in

Dr. Kuntal Das : Professor

Krupanidhi College of Pharmacy, Bengaluru, Karnataka, India
drkksd@gmail.com

Dr. K. Nagaiah : Chief Scientist

IICT, Tarnaka, Hyderabad, T.S., India
nagaiah@iict.res.in

Dr. Rekha R. Warriar : Scientist-C

Inst. of Forest Genetics and Tree Breeding, RS Puram, Coimbatore, India
rekhawarrier@gmail.com

COORDINATING EDITORS

Dr. Kanti Bhooshan Pandey : Scientist

CSIR - C.S.M.C.R.I., Bhavnagar, Gujarat, India
kantibiochem@gmail.com

Dr. Ahmad Ali : Assistant Professor

Dept. of Life Sciences, M.U., Mumbai, Maharashtra, India
ahmadali@mu.ac.in

Dr. V.V. Asha : Scientist

Rajiv Gandhi Centre for Biotech., Thiruvananthapuram, Kerala, India
ashavv@rediffmail.com

Dr. Afroz Alam : Associate Professor

Dept. of Bioscience and Biotech., Banasthali Vidyapith, Rajasthan, India
afrozalamafvi@gmail.com

Dr. M. Salman Khan : Associate Professor

Dept. of Biotechnology, Integral University, Lucknow, U.P, India
contactskhan@gmail.com

Dr. G. Thiribhuvanamala : Associate Professor

Tamil Nadu Agricultural University, Coimbatore, Tamil Nadu, India
ragumala2000@gmail.com

Dr. Nupur Mehrotra : Assistant Professor

Dept. of Biochemistry, Mithibai College, Mumbai, Maharashtra, India
nupur.mehrotra@mithibai.ac.in

EDITORIAL BOARD

Dr. S.H. Ansari : Professor

Hamdard University, New Delhi, India
shansari@jamiahamdard.ac.in; shansari189@rediffmail.com

Dr. Anake Kijjoa : Professor

Dept. of Chemistry, Universidade do Porto, Portugal
ankijjoa@icbas.up.pt

Dr. Vinay Sharma : Professor and Director

Amity Institute of Biotechnology, Amity University, Rajasthan, India
vinaysharma30@yahoo.co.uk

Dr. Jaya Prakash Rao : Professor

Dept. of Chemistry, Osmania University, Hyderabad, T.S., India
yjpr_19@yahoo.com

Dr. Alban Ibrahliu : Professor

Faculty of Agrl. and Evt., Agricultural University of Tirana, Tirana, Albania
albanibrahiu@ubt.edu.al

Dr. Francesco Epifanco : Professor

Dept. of Pharmacy, University of Chieti-Pescara, Chieti Scalo (CH), Italy
francesco.epifano@unich.it

Dr. Mostafa Elachouri : Professor

Dept. of Biology, Mohammed 1 University, Oujda, Morocco
elachourimostafa@gmail.com

Dr. Mohd Iqbal : Former Professor

Hamdard University, New Delhi, India
iqbalg5@yahoo.co.in

Dr. Koula Doukani : Professor

Faculty of Life Sciences, Ibn Khaldoun University, Tiaret, Algeria
kouladoukani@gmail.com

Dr. P.B. Kavi Kishor : Former Professor

Dept. of Genetics, Osmania University, Hyderabad, T.S., India
pbkavi@yahoo.com

Dr. Byoung Ryong Jeong : Professor

Dept. of Horticulture, G.N.U, Jinju, Republic of Korea
brjeong@gmail.com

Dr. S. Raisuddin : Professor

Hamdard University, New Delhi, India
sraisuddin@jamiahamdard.ac.in

Dr. Jamila K. Adam : Professor

Dept. of Biomedical and Clinical Technology, D.U.T., Durban, S.A.
adamjk@dut.ac.za

Dr. Usha Mukundan : Professor and Former Principal

RJ College, Ghatkopar West, Mumbai, Maharashtra, India
umukundan@hotmail.com

Dr. Mujeeb Ur Rahman : Professor and Principal

MESCO Institute of Pharmacy, 402, Dhanaura Road, Amroha, U.P., India
mujeebhambarb@gmail.com

Dr. V. Dashavantha Reddy : Former Director and Professor

CPMB, Osmania Univeristy, Hyderabad, T. S., India
vreddycpmb@yahoo.com

Dr. Hancianu Monica : Professor

Universitatea de Medicina si Farmacie Grigore T Popa Iasi, Romania
mhancionu@yahoo.com

Dr. K.V. Rao : Former Director and Professor

CPMB, Osmania Univeristy, Hyderabad, T. S., India
rao_kv1@rediffmail.com

Dr. Raman Dang : Professor and Former Registrar

DPSRU, New Delhi, India
raman.dang@gmail.com; dangraman2000@yahoo.co.in

Dr. Nabil Mohie Abdel-Hamid : Professor

Faculty of Pharmacy, Al-Farahidi University, Baghdad, Iraq
nabilmohie@yahoo.com

Dr. Anupama Koneru : Professor and Principal

M.J. College of Pharmacy, Hyderabad, T.S., India
anupamakoneru@hotmail.com

Dr. Asna Urooj : Professor

Dept. of Food Science and Nutrition, M.U., Karnataka, India
asnau321@gmail.com

Dr. Nafees Ahmad Khan : Professor

Dept. of Botany, A.M.U., Aligarh, Uttar Pradesh, India
naf9@lycos.com; na.khan.bt@amu.ac.in

Dr. Samiullah Khan : Professor

Dept. of Botany, A.M.U., Aligarh, Uttar Pradesh, India
khan_drsami@yahoo.co.in

Dr. C.C. Giri : Former Professor

CPMB, Osmania Univeristy, Hyderabad, T. S., India
giriccin@yahoo.co.in

Dr. Arvind Kumar Bhatt : Professor

Dept. of Biotechnolgy, Himachal Pradesh University, Shimla, H.P., India
bhtarvind@yahoo.com

Dr. Subas Chandra Parija : Professor

OUAT, Bhubaneswar, Odisha, India
profscparijaouat4691@gmail.com

Dr. A.N. Arun Kumar : Scientist-F

Tropical Forest Research Institute, Mandla Road, Jabalpur, M.P. India
anarunkumar@gmail.com

Dr. Lamia Hamrouni Bel Hadj Brahim : Professor

Laboratory of Forestry Resources, INRGREF, Ariana, Tunisia
lamia.hamrouni@gmail.com

Dr. Wamik Azmi : Professor

Dept. of Biotechnolgy, Himachal Pradesh University, Shimla, H.P., India
wamikazmi@rediffmail.com; wamikazmi@yahoo.com

Dr. Zahia Kabouche : Professor

Dept. of Chemistry, University Freres Mentouri-Constantine, Algeria
zahiakabouche@umc.edu.dz; zahiakabouche@gmail.com

Dr. Noureddine Djebli : Professor

Faculty of Natural Sciences, Abdelhamid IBN Badis University, Algeria
djebli_n@yahoo.fr

Dr. S.A. Azeez : Professor and Principal

Deccan College of Pharmacy, Hyderabad, T.S., India
azphar@gmail.com

Dr. Najmul Islam : Professor

JNU Medical College, A.M.U., Aligarh, Uttar Pradesh, India
najmulamu@gmail.com

Dr. N. Geetha : Professor

Bharathiar University, Coimbatore, Tamil Nadu, India
geethadrbio@gmail.com

Dr. B. Madhava Reddy : Professor and Principal

G. Pulla Reddy College of Pharmacy, Hyderabad, T.S., India
madhavareddyb@gmail.com

Dr. Bouamama Hafida : Professor

Dept. of Biology, Cadi Ayyad University, Marrakech, Morocco
bouamamahafida@gmail.com

Dr. Ngatu Nlandu Roger : Former Professor

Kochi University Medical School, Nankoku, Kochi, Japan
doc.rogerngatu@gmail.com

Dr. Archana Giri : Professor

Dept. of Biotechnology, JNTU-H, Hyderabad, T.S., India
archanagiriin@yahoo.co.in

Dr. Zora Dajic Stevanovic : Professor

Dept. of Agriculture, University of Belgrade, Belgrade, Republic of Serbia
dajic@agrif.bg.ac.rs

Dr. Dilfuza Jabborova : Senior Scientific Researcher

Uzbekistan Academy of Sciences, Tashkent, Uzbekistan
dildufzajabborova@yahoo.com

Dr. Douglas S. A. Chaves : Associate Professor

Dept. de Ciências farmacêuticas, Universidade Federal Rural do Rio de Janeiro, Seropédica/Rio de Janeiro - Brasil. CEP 23897-000
gnosy.ufrj@gmail.com; chavesdsa@ufrj.br

Dr. Slim Slim : Associate Professor

School of Higher Education in Agriculture, Carthage University, Tunisia
slimbss@yahoo.fr

Dr. Vikneswaran Murugaiyah : Professor

School of Pharma. Sciences, Universiti Sains Malaysia, Penang, Malaysia
vicky@usm.my; vickyusm@gmail.com

Dr. Yuva Bellik : Associate Professor

Mohamed El Bachir El Ibrahim University, Bordj Bou Arreridj, Algeria
y.bellik@univ-bba.dz

Dr. S.A. Farooq : Associate Professor

Dept. of Genetic Engineering and Biotechnology, SQU, Muscat, Oman
sfarook@squ.edu.om

Dr. Jackson Roberto Guedes da Silva Almeida : Associate Professor

Federal University of Vale do Sao Francisco (UNIVASF), Brazil
jackson.guedes@univasf.edu.br

Dr. Syed Mohiuddin : Associate Professor

M.J. College of Engineering and Technology, Hyderabad, T.S., India
mohiuddin_syed@yahoo.com

Dr. Hytham M. Ahmad : Associate Professor

Faculty of Pharmacy, Menoufia University, Cairo, Egypt
hmaahmed@yahoo.co.uk

Dr. Yamina Bouatrous : Associate Professor

Department of Natural Sciences and Life, Mohamed Khider University, Biskra, Algeria
bouatrousyamina@yahoo.fr

Dr. Mastura Binti Mohtar : Senior Scientist

Natural Products Division, FRIM, Kepong, Selangor Darul Ehsan, Malaysia
mastura@frim.gov.my

Dr. Getha Krishnasamy : Senior Scientist

Natural Products Division, FRIM, Kepong, Selangor Darul Ehsan, Malaysia
getha@frim.gov.my

Dr. Adnan Ahmad Khan : Associate Medical Director

Kidney and Pancreas Transplantation, UCSD, San Diego, CA, U.S.A
khan.dr.adnan@gmail.com

Dr. Andria Augusta : Associate Professor

The Indonesian Institute of Sciences, J1, Raya Bogor, Cibinog, Indonesia
andria.agusta@lipi.go.id

Dr. Marina Krivtsova : Associate Professor

Dept. of Genetics and Microbiology, UNU, Ukraine
maryna.krivcova@gmail.com

Dr. Sevgi Gezici : Associate Professor

Dept. of Molecular Biology, Unviersity of Kilis 7 Aralik, Kilis, Turkey
sevgegezici.00@gmail.com

Dr. T. D. Babu : Associate Professor

Amala Cancer Research Centre, Thrissur, Kerala, India
babutd@amalains.org; babutharakan@gmail.com

Dr. Ivan Salamon : Associate Professor

Dept. of Ecology, Presov University in Presov, Presov, Slovak Republic
ivan.salamon@gmail.com

Dr. Urvesh D. Patel : Associate Professor

College of Vet. Sci. and Animal Husbandry, JAU, Junagarh, Gujarat, India
urvesh1981@yahoo.com

Dr. T. Lakshmi : Associate Professor and Associate Dean

Saveetha Dental College, Saveetha University, Chennai, T.N., India
lakshmi@saveetha.com

Dr. Adil Farooq Wali : Assistant Professor

RAK College of Pharmaceutical Sciences, RAK Medical and Health Sciences University, Ras Al Khaimah, U.A.E.
farooq@rakmhsu.ac.ae; adil.farooq@gmail.com

Dr. Irfan Ahmad Ghazi : Assistant Professor

Dept. of Life Sciences, H.C.U., Hyderabad, T.S., India
drirfang@gmail.com

Dr. Jatin H. Patel : Assistant Professor

Dept. of Vet. Pharmacology and Toxicology, College of Vet. Sci. and A.H., Navsari Agricultural University, Navsari, Gujarat, India
drjatinvet@yahoo.co.in

Dr. Belkis Muca : Assistant Professor

Igdir University, Turkey
belkismuca@gmail.com

Dr. S. Sumathi : Assistant Professor

Dept. of Biochem., AIHSEW (Deemed University), Coimbatore, India
sumii.venkat@gmail.com

Dr. A. K. Abdussalam : Assistant Professor

Sir Syed College, Karimbam P.O., Taliparamba, Kannur, Kerala, India
salamkoduvally@gmail.com

Dr. Vesna Davidovic : Assistant Professor

Faculty of Agriculture, Institute of Animal Sciences, UB, Nemanjina, Serbia
vesnadavidovic@gmail.com

Dr. Yaowared Chulikhit : Assistant Professor

Faculty of Pharmaceutical Sciences, KU, Khonkaen, Thailand
yaowaredchulikhit@gmail.com

Dr. Souayah Naoufel : Assistant Professor

Dept. of Biology, Al-Ula Branch, Taibah University, Madina, Saudi Arabia
souayahnaoufel@yahoo.fr

Dr. Mohamed M. Elsutohy : Assistant Professor

Schulich School of Engineering, University of Calgary, Calgary, Canada
mohamed.elsutohy@ucalgary.ca

Dr. Nuttinee Teerakulkitpong : Lecturer

Faculty of Pharma. Sciences, Burapha University, Chonburi, Thailand
nuttinee@go.buu.ac.th

EDITORIAL ADVISORY BOARD**Professor Bibi Ameenah Firdous Gurib-Fakim**

Managing Director CEPHYR, BioPark Mauritius, Socoto Phoenicia, Phoenix, Mauritius
Her Excellency Professor Bibi Ameenah Firdous Gurib-Fakim, Former President of Mauritius
aguribfakim@gmail.com

Padma Shri Dr. E. A. Siddiq

Former DDG (ICAR), New Delhi
Presently Honorary Director, Institute of Biotechnology, Professor Jayashankar Telangana State Agricultural University, Rajendra Nagar, Hyderabad, Telangana State, India
esasiddiq@gmail.com

Padma Shri Dr. P. Pushpangadan

Former Director, Tropical Botanic Garden and Research Institute, Thiruvananthapuram, Kerala, India
Presently Director General, Amity Institute for Herbal and Biotech Products Development, 3-Ravi Nagar, Peroorkada P.O., Thiruvananthapuram, Kerala, India
palpuprakulam@yahoo.co.in

Padma Shri Dr. Seyed E. Hasnain

Former V.C., Hyderabad Central University, Hyderabad, T.S, India
Presently Professor IIT Delhi, Hauz Khas, New Delhi, India
Presently V.C., Hamdard University, New Delhi, India
sehiitd@gmail.com

Professor Habil Akos Mathe

President, International Council for Medicinal and Aromatic Plants
Department of Botany, Széchenyi University, Faculty of Agriculture and Food Science, Mosonmagyaróvár, Hungary
acatius2005@gmail.com

Professor K. Husnu Can Baser

Vice President, International Council for Medicinal and Aromatic Plants
Faculty of Pharmacy, Anadolu University, Eskisehir, Turkey
kemalhusnucan.baser@neu.edu.tr

Dr. Abd. Latif Mohmod

Former Director General of FRIM, Forest Research Institute Malaysia, Kepong, Selangor Darul Ehsan, Malaysia
latif@frim.gov.my

Professor Asim Ali Khan

Central Council for Research in Unani Medicine (CCRUM), Ministry of AYUSH, Govt. of India, Janakpuri Institutional Area, Janakpuri, New Delhi-110058, India
asim.ccrum@gmail.com

Professor P.K. Abdul Azis

Former V.C., Cochin University of Science and Technology, Kerala, India
Former V.C., Aligarh Muslim University, Aligarh, Uttar Pradesh, India
Presently V.C., University of Science and Technology, Meghalaya, India
dr.azis47@gmail.com

Dr. G.N. Qazi

Former V.C., Hamdard University, New Delhi
Presently Director General, Institute of Medical Sciences, Jamia Hamdard, New Delhi, India
gnqazi@jamiyahamdard.ac.in

Professor Kakhramon Davranov

Director, Institute of Microbiology of the Academy of Sciences of Uzbekistan, Tashkent, Uzbekistan
k.davranov@mail.ru

Dr. Ahmad Kamal

Former Outstanding Scientist, ICT, Hyderabad, Telangana State, India.
Former P.V.C., Hamdard University, New Delhi-110062, India
ahmedkamal@iict.res.in; ahmedkamal@iictnet.org

Dr. Rajesh Arora

Director-Life Sciences (T&A), Govt. of India, Ministry of Defence, DRDO, Room No. 342, DRDO Headquarters, Rajaji Marg, New Delhi, India
rajesharoratejas@gmail.com

Professor Nazim Sekeroglu

President of AMAPMED, Department of Medicinal and Aromatic Plants, Kils 7 Aralik University, Kils, Turkey
nsekeroglu@gmail.com

Professor Marina Spinu

Chancellor of Faculty of Veterinary Medicine, University of Agricultural Sciences and Veterinary Medicine, Cluj-Napoca, Romanian
marina.spinu@gmail.com

Professor Namrita Lall

NRF/DST Chair: Plant Health Products from IKS, Plant Sciences Complex, Office 3-39, Medicinal Plant Science (Department of Plant and Soil Science), University of Pretoria, Pretoria 0002, South Africa
namrita.lall@up.ac.za

Professor C. Manohara Chary

Emeritus Scientist, Department of Botany, Osmania University, Hyderabad, Telangana State, India
cmchary@gmail.com

ANNALS OF PHYTOMEDICINE
An International Journal

Print ISSN : 2278-9839

Online ISSN : 2393-9885

Thomson Reuters : Web of Science: **Emerging Sources Citation Index (ESCI)**

UGC : **AP is now included in the approved list of UGC Journals**

Link : <https://mj.clarivate.com/home>

NAAS Rating (2022) : **Government of India: 5.95**

MedLine : **NLM-ID: 01695900 (Serial)**

Abstracting and Indexing

Thomson Reuters: Web of Science, Chemical Abstract Services (CAS), International Scientific Indexing (ISI), Scientific Indexing Services (SIS), Cite Factor, Google Scholar, J-Gate, Research Gate, BINGO, Active Search Results (ASR), EFITA, Cite Seer, Yahoo Search, Indian Science Abstracts (ISA), Medicinal and Aromatic Plants Abstracts (MAPA), Indian Citation Index (ICI), IFSII, IIOR, ISRA - JIF, MSN, Journal Seek, AOL, ISEEK, Eurasian Scientific Journal Index (ESJI), ASK, DIIF, Dogpile, SciCentral, My Web Search, Infospace, COSMOS, Ayush Research Portal, Research Bib, Refseek, Genamics, Genamics Journal Seek, Yanolex, SAIIF, Anoox, JIF, Crossref, Infobase Index, Electronic Journal Library, Berlin-Germany, International Committee of Medical Journals Editors, Journal Quality Factor Reports, Biotechnology Department, Kerala University, India, Institute for Information Resources, Lucknow, India, MU Digital Library, Manipal, India, Pak Academic Search, Pakistan, OAJSE, Scholar steer, Root indexing, ICMJE, CMFRI, IJIF, Scholar Impact Factor, Base, OAJI, GIF, Journal Index.net, Omics International, DRJI, WZB-Germany, Scholarly Open Access-Scribd, TIB-DRJI, International Society of Indexing (ISI), Jour Informatics, Quality Factor, World Share, Contenko, Duck Duck Go, Baidu, Bing.

A BIENNIAL RESEARCH JOURNAL OF PHYTOMEDICINE

Ethical policy

Annals of phytomedicine: An International Journal intend to publish articles on a broad range of topics in the field of pharmacognosy, phytopharmacology, phytotherapy, chemistry of natural product, phytopharmaceuticals, biological activity of plant extracts and isolated compounds, clinical studies of standardized phytopreparations, phytotoxicity and standardization of drugs. Its peer review process must ensure correct, accurate, standard and authenticity of the research as it is a vital importance in the development and dissemination of knowledge of science.

Submission of a manuscript to **Annals of Phytomedicine** implies that authors have certified that the scientific work described has neither been published nor is under consideration for publication anywhere else. It also implies that the content of the manuscript has been approved by all coauthors or otherwise by competent authority of the organization where the work was carried out.

Ethics to consider

Authors

Those who have made significant contribution to the article with its conception, writing, data collection, statistical analysis, interpretation and data reporting of the study. AP highly encourages the transparency about the contributions by authors.

Originality and plagiarism

It should be entirely first hand information, *i.e.*, authors are responsible and ensure that the written article is of their own work or own words. It must not be copy of others in any aspect. It should not be plagiarized. The author must be able to provide the raw data collected for the article study as and when asked.

Acknowledgement of sources

Proper acknowledgment of the work of others must always be given.

Redundancy

The work or the study carried must not be published multiple times with any other form, Work once submitted to current journal then it should not be submitted to other journals or any other sources in any other forms.

Conflict of interest and disclosure

The author or authors must declare any conflict of interest related with the article to be published before submitting and publishing the data or the study.

Errors or false reporting

The author or authors should be whole responsible for the published work; if at all any errors or mistake found with the study or in reporting the data. It is the author's obligation to promptly notify the journal editor or publisher and cooperate with the editor to retract or correct the paper.

Hazards and human or animal subjects

Statements of compliance are required if the study involves chemicals, procedures or equipment that have any unusual hazards inherent in their use, or if it involves the use of human or animal subjects.

Case details

Studies on volunteers or patients require ethical committee approval and informed consent, which should be documented in the submitted work.

Copyright

The corresponding author signs and accepts all responsibility on behalf of any and all coauthors. Transfer of copyright to Annals of Phytomedicine of Ukaaz Publications, becomes effective if and when the article is accepted for publication.

Printing charges

All the papers submitted for publication in "Annals of Phytomedicine: An International Journal" will be charged Rs. 7,500/- per article from India and the overseas articles US\$ 200 per article. All the authors are advised to prepare the manuscript, typed in double space on one side of A4 size white paper with 9 font size in Page Maker format / MS-Word, keeping proper margins on each side.

Payments are accepted either by demand draft (DD) or online transfer in favour of "**Annals of Phytomedicine-Ukaaz Publications**", payable at Hyderabad, Telangana State, India.

Account No.: 860020110000719

Swift code: BKIDINBBHMB

IFSC : BKID0008600

Bank : Bank of India, Abids Branch, Hyderabad, Telangana Satate

Instructions for preparation of manuscript is given on next page

Any enquiry relating to subscription should be sent to the **Managing Editor** for orders, claims, product enquiries and other related matters of the article.

All rights are reserved, no part of this publication may be reproduced, stored in a retrieval system, or transmitted in any form or by any means-electronic, mechanical, photocopying, recording, without the prior written permission of the publisher.

Copyright : Ukaaz Publications, Hyderabad, India

Publisher : Editor-in-Chief: Dr. Irfan Ali Khan

Circulation : Managing Editor: Dr. Atiya Khanum

Technical support : A. Rajkumar

Distribution : Managing Editor: Dr. Atiya Khanum

Editor-in-Chief : Dr. Irfan Ali Khan

Managing Editor : Dr. Atiya Khanum

Editor : Dr. Adnan A. Khan

Editorial Office : Hyderabad, India

16-11-511/D/408, Shalivahana Nagar,

Moosarambagh, Hyderabad-500036,

Telangana State, India

Editor-in-Chief : +91-09246509453

Managing Editor: +91-09246584140

E-mail : ukaaz@yahoo.com

Website : www.ukaazpublications.com

San Diego, USA

7281, Arroyo Grande Road, San Diego,

CA 92129, USA

khan.dr.adnan@gmail.com

Important note: While utmost care is taken in presenting accurate information, Annals of Phytomedicine assumes no responsibility for the statements, opinions, subject matter and also errors or omissions. All material published in Annals of Phytomedicine is covered under copyright. Unauthorized reproduction is prohibited.

Original Article

1. Development of microemulsions of Jyotishmati oil for the treatment of Parkinson's disease *via* intranasal route: Pharmacodynamic evaluation in rats
Swathi Jakku and Krishnaveni Janapareddi
DOI: <http://dx.doi.org/10.54085/ap.trips.2022.11.1.1>
10. The role of coumarin, cespertin and liquiritigenin against oral cancer novel drug target FAP protein
Manal A. A. Moustafa and John J. George
DOI: <http://dx.doi.org/10.54085/ap.trips.2022.11.1.2>
18. *In silico* studies in the prediction of novel isoxazole derivatives as potentially active anticancer agents
Munisireesha Sunkara, Hemalatha Sattuu, Pranitha Balasani, Neha Patil and Ambika Belakara
DOI: <http://dx.doi.org/10.54085/ap.trips.2022.11.1.3>
34. Extraction and chemoprofiling study of *Eulophia herbaceae* Lind. tubers for colorectal cancer
Snehal K. Bhavsar and Anil U. Tatiya
DOI: <http://dx.doi.org/10.54085/ap.trips.2022.11.1.4>
44. HPLC analysis and *in vitro* cytotoxic potential of different extracts of *Ixora parviflora* Lam. against human breast adenocarcinoma cell lines
A. Srivani and G. Krishna Mohan
DOI: <http://dx.doi.org/10.54085/ap.trips.2022.11.1.5>
57. Potential inhibitor of *Camellia sinensis* (L.) O. Kuntze phytochemicals on hepatitis C virus NS5B: *In silico* approach
J. Geetha, Rakesh Kumar Jat and A. Prakash
DOI: <http://dx.doi.org/10.54085/ap.trips.2022.11.1.6>
66. Formulation, phytochemical and antioxidant activity evaluation of selected Indian medicinal plants
Segu Prathyusha
DOI: <http://dx.doi.org/10.54085/ap.trips.2022.11.1.7>
72. Development of a suitable dissolution media for class IV natural compound: Mangiferin
Badri Nagarani and Venkata Radha Gadela
DOI: <http://dx.doi.org/10.54085/ap.trips.2022.11.1.8>
79. Method development and validation of solifenacin succinate in pharmaceutical dosage form using first order derivative UV spectrophotometry
K. Sai Krupa Raj, Jahnavi Bandla, Ashok Gorja and K. Sri Divya
DOI: <http://dx.doi.org/10.54085/ap.trips.2022.11.1.9>
83. Development and validation of sample simultaneous analysis for ertugliflozin and metformin by reverse phase-high performance liquid chromatography (RP-HPLC) in tablet dosage form
Jahnavi Bandla and Ashok Gorja
DOI: <http://dx.doi.org/10.54085/ap.trips.2022.11.1.10>
91. Spectrophotometric determination of rupatadine in pharmaceutical dosage form using potassium ferricyanide
K. Sai Krupa Raj, Jahnavi Bandla, Ashok Gorja and D. Mamatha
DOI: <http://dx.doi.org/10.54085/ap.trips.2022.11.1.11>
95. Method development and validation of bendamustine HCl injection by using RP-HPLC
Sujatha Samala, Palatheeya Sujatha and G. Tharun
DOI: <http://dx.doi.org/10.54085/ap.trips.2022.11.1.12>

101. UV-Method for the quantitative determination of sitagliptin in bulk and pharmaceutical dosage form and its validation including stability studies

K. Bhavyasri, D. Sowjanya, Samreen Begum, B. Aishwarya and M. Sumakanth

DOI: <http://dx.doi.org/10.54085/ap.trips.2022.11.1.13>

106. Stability indicating RP-HPLC method development and validation for estimation of antihypertension class of drugs lisinopril and hydrochlorothiazide

V. Padmabhushana Chary and D. Sireesha

DOI: <http://dx.doi.org/10.54085/ap.trips.2022.11.1.14>

116. Cleaning method development and validation by UV method for quantitative assessment of favipiravir residue in manufacturing area

R. Swetha Sri , S. Pravallika, Guntupally Chakravarthy, K. Bhavya Sri and M. Sumakanth

DOI: <http://dx.doi.org/10.54085/ap.trips.2022.11.1.15>

122. *In vivo* evaluation of optimised acetoxyhydroxamic acid floating microballoons

Munija Pancheddula, Mounika Nemuri and Shayeda

DOI: <http://dx.doi.org/10.54085/ap.trips.2022.11.1.16>

Author index and instructions for preparation of manuscript

Cover photograph : Development of microemulsions of Jyotishmati oil for the treatment of Parkinson's disease *via* intranasal route: Pharmacodynamic evaluation in rats
Swathi Jakku and Krishnaveni Janapareddi
