DIT UNIVERSITY

IMAGINE ASPIRE ACHIEVE

DIT University

Event Report

SDG 3

DIT UNIVERSITY
IMAGINE ASPIRE ACHIEVE

DIT University
Event Report

PREFACE

United Nations' Sustainable Development Goals (SDG) promote the notion 'Ensure healthy lives and promote well-being for all at all ages' through SDG 3. Good Health is essential to render any service to society and humanity. It is the very basic requirement of individual and irrespective of persons at any level in society must get access to quality health care services, sufficient and necessary education to promote awareness about health. In addition to that, clean environment, purity in resources, hygienic work environment are essential for achieving this goal. DIT University is committed to achieve this goal by providing necessary education, free access of healthcare services, awareness campaign and collaborative research work with Government and Non-Government agencies.

DIT University

Event Report

CONTENTS

DIT University
Event Report

Collaboration with National Health Institution and outcomes

DIT University have active collaboration with FRI (Forest Research Institute), Dehradun. The significant outcomes of this collaboration has enrolled two PhD candidates namely, **Ms. Neha Kukreti (Roll No. 198168005) with her research entitle** *"Antioxidant Properties Mediate Nephroprotective and Hepatoprotective Activity of Essential Oil and Hydro-Alcoholic Extract of the High-Altitude Plant Skimmia anquetilia*" and **Ms. Ritu Rani (Roll No.198168006) with her research entitle "***Therapeutic Effect of Tinospora cordifolia (Willd) extracts on Letrozole Induced Polycystic Ovarian Syndrome and its Complications in Murine Model***"** registered in DIT University. Under this Collaboration four more students are pursuing his/her PhD, out of which one is registered with DIT University.

Additionally, DIT University has active collaboration with Blue circle MEDI SERVICES PVT LTD.

DIT UNIVERSITY (FACULTY OF PHARMACY)
MOUs Activities

Outcomes from MoU with Forest Research Institute(FRI), Dehradun

Ph.D Pursuing: Ms. Neha Kukreti (Roll No. 198168005) and Ms. Ritu Rani (Roll No.198168006), Ms. Shilpa Rana (Roll No 208168002) registered in DIT University. Piyush Bhalla, Radhika Khanna and Anjali Bhat registered outside.

Published paper till 2020: 01

1. N. Kukreti1 , R. Rani1 , V. K. Varshney and H. R. Chitme, Important Medicinal Plants Recommended in Management of Rheumatoid Arthritis, ***Bangladesh Pharmaceutical Journal, 2022***, 25(2): 125-136.

DIT University
Event Report

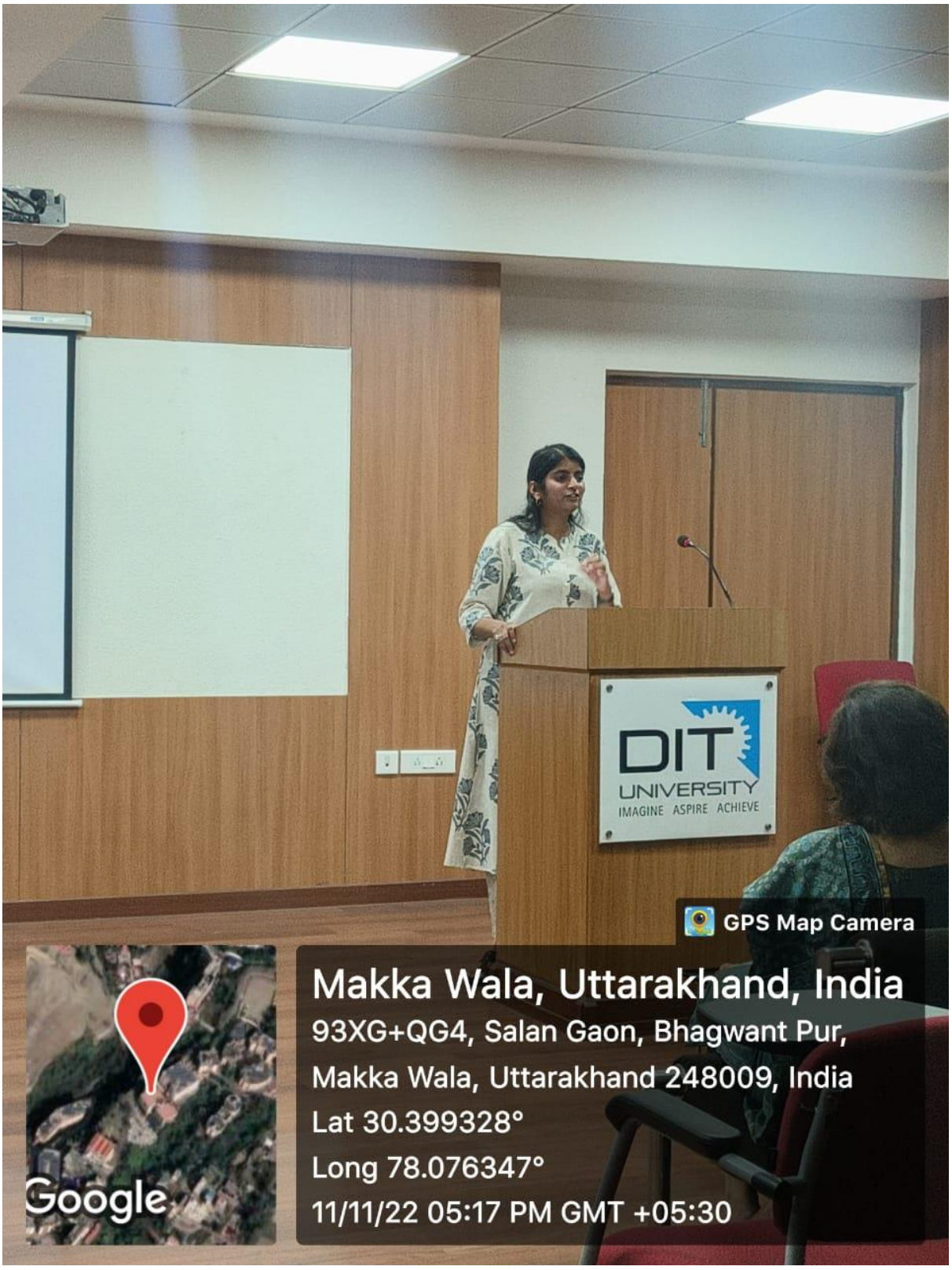
MoU with Blue Circle Medi Services Pvt Ltd

DIT University has MoU with Blue Circle Medi Services Pvt Ltd. It organized a workshop on the "TRUST ON WOMEN" under the guidance of chief guest Dr. Vijay Laxmi Sharma and Dr. Sumita Prabhakar. Drs talked on the various role and responsivity of women and her rights. The event was successfully delivered and got benefitted to both the male and female staff.

The healthy body and mind are basic necessities for building a strong society that can think of constant progress. With this motto, DIT University extremely prioritizes on health related aspects both for educational perspectives and providing good health care facilities. For this, DIT University has signed MoUs with Blue Circle Medi Service Pvt. Ltd. The events photograph are attached here.

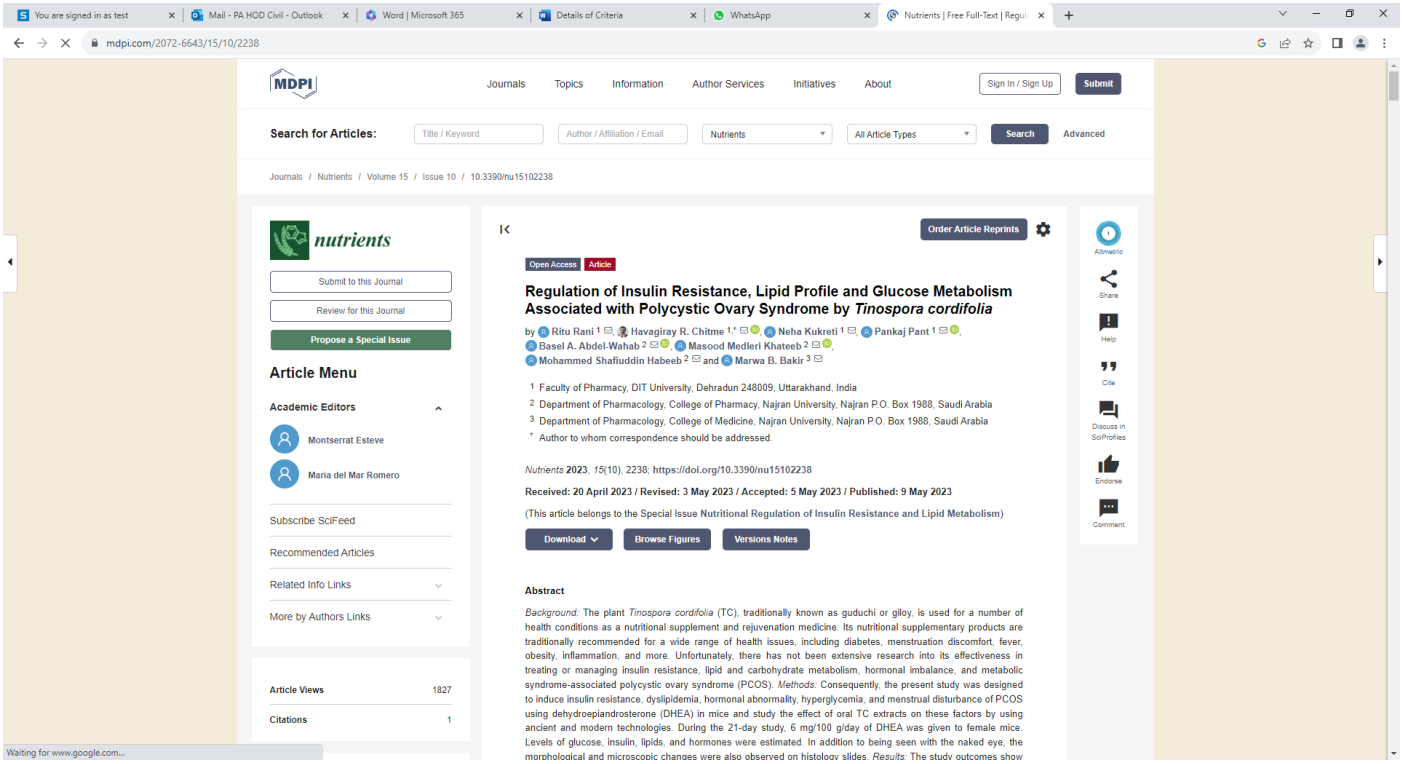
DIT University

Event Report

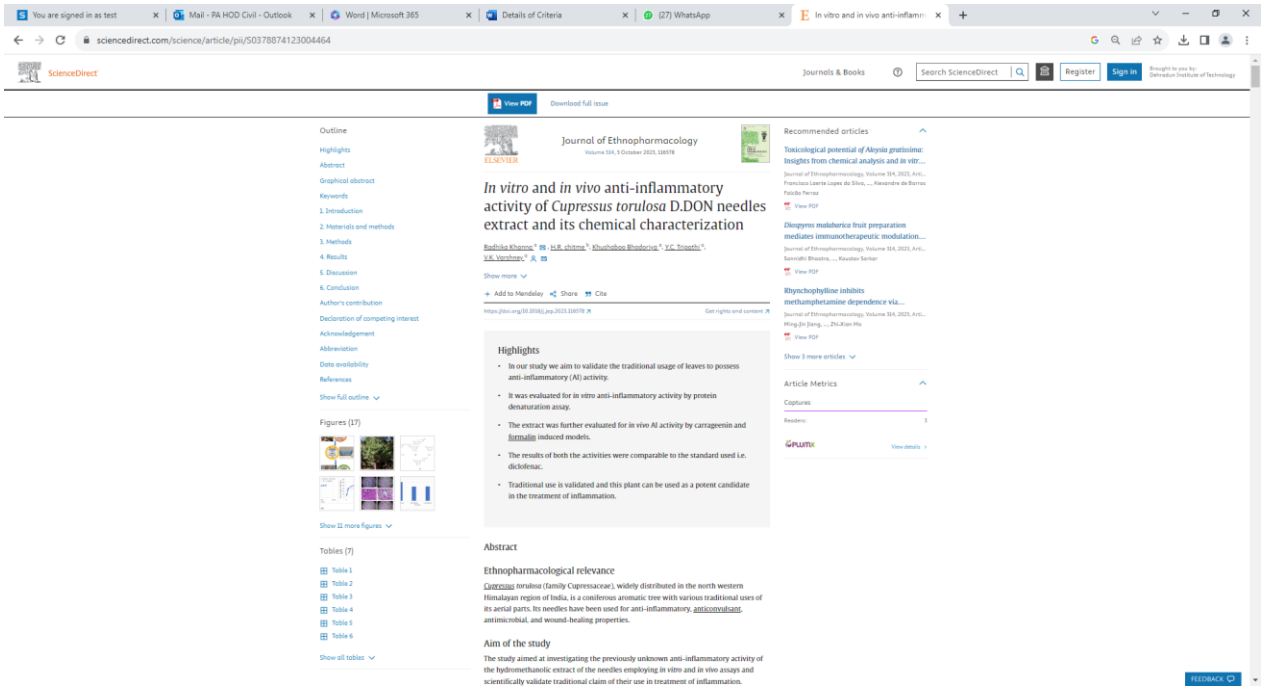

DIT
UNIVERSITY
IMAGINE ASPIRE ACHIEVE
GPS Map Camera
Makka Wala, Uttarakhand, India
93XG+QG4, Salan Gaon, Bhagwant Pur,
Makka Wala, Uttarakhand 248009, India
Lat 30.399328°
Long 78.076347°
11/11/22 05:17 PM GMT +05:30
Google

DIT University

Event Report

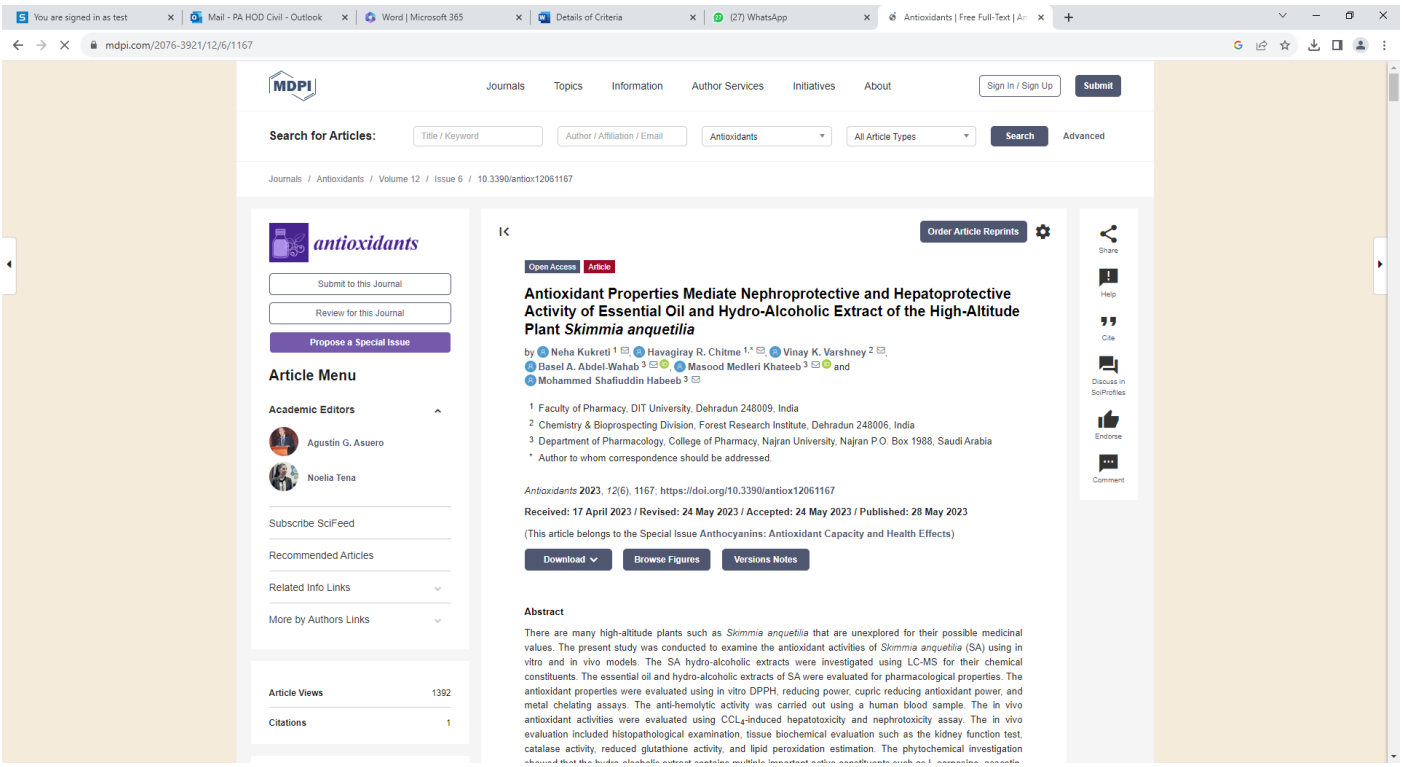


An official website of the United States government
Here's how you know



DIT University

Event Report



You are signed in as test | Mail - PA HOD Civil - Outlook | Word | Microsoft 365 | Details of Criteria | (27) WhatsApp | Antioxidants | Free Full-Text | An

mdpi.com/2076-3921/12/6/1167

MDPI Journals Topics Information Author Services Initiatives About Sign In / Sign Up Submit

Search for Articles: Title / Keyword Author / Affiliation / Email Antioxidants All Article Types Search Advanced

Journals / Antioxidants / Volume 12 / Issue 6 / 10.3390/antiox12061167

antioxidants

Submit to this Journal

Review for this Journal

Propose a Special Issue

Article Menu

Academic Editors

Agustín G. Asuero

Noelia Tena

Subscribe SciFeed

Recommended Articles

Related Info Links

More by Authors Links

Article Views 1392

Citations 1

Order Article Reprints

Open Access Article

Antioxidant Properties Mediate Nephroprotective and Hepatoprotective Activity of Essential Oil and Hydro-Alcoholic Extract of the High-Altitude Plant *Skimmia anquetilia*

by Neha Kukreti [1], Havagiray R. Chitme [1,*], Vinay K. Varshney [2], Basel A. Abdel-Wahab [3], Masood Medleri Khateeb [3] and Mohammed Shafiuddin Habeeb [3]

[1] Faculty of Pharmacy, DIT University, Dehradun 248009, India
[2] Chemistry & Bioprospecting Division, Forest Research Institute, Dehradun 248006, India
[3] Department of Pharmacology, College of Pharmacy, Najran University, Najran P.O. Box 1988, Saudi Arabia
* Author to whom correspondence should be addressed.

Antioxidants **2023**, *12*(6), 1167; **https://doi.org/10.3390/antiox12061167**

Received: 17 April 2023 / Revised: 24 May 2023 / Accepted: 24 May 2023 / Published: 28 May 2023

(This article belongs to the Special Issue **Anthocyanins: Antioxidant Capacity and Health Effects**)

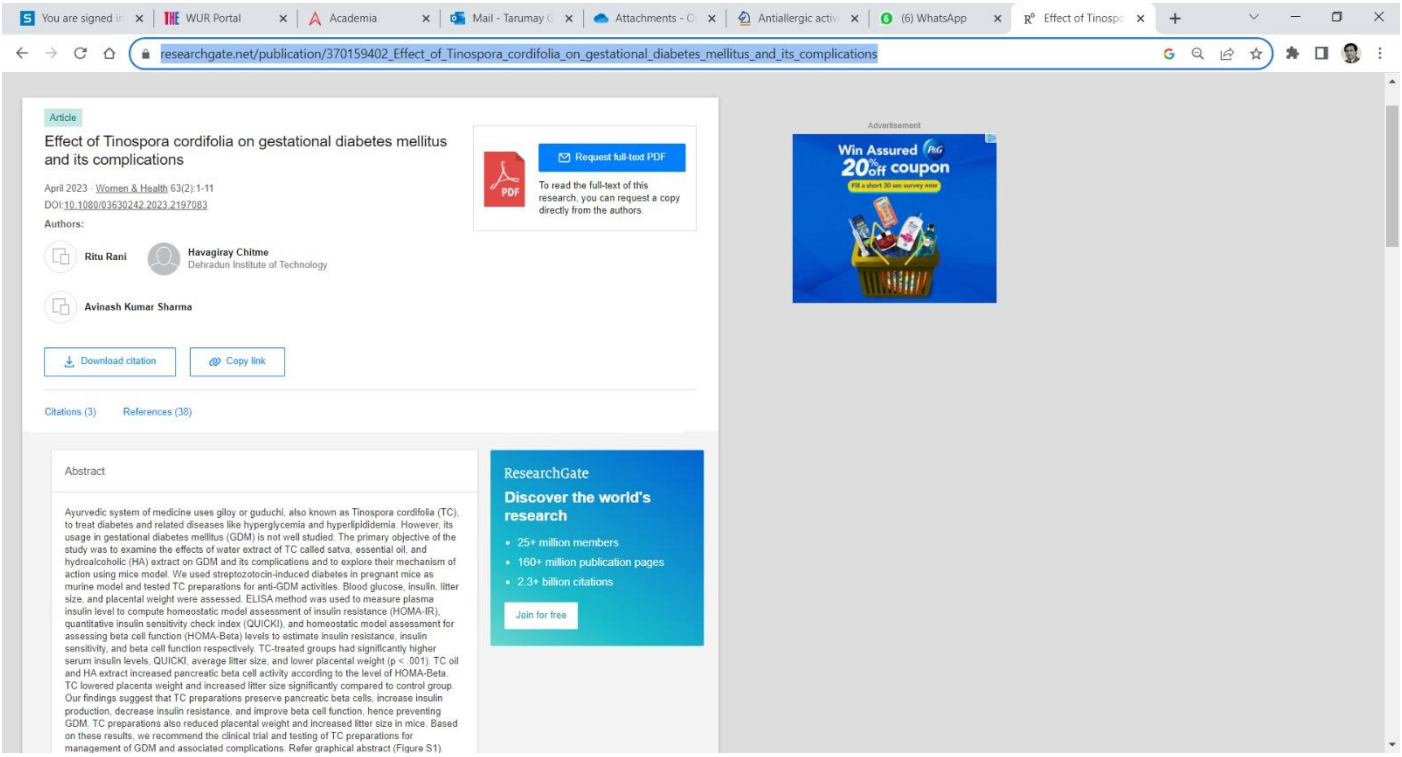
Download Browse Figures Versions Notes

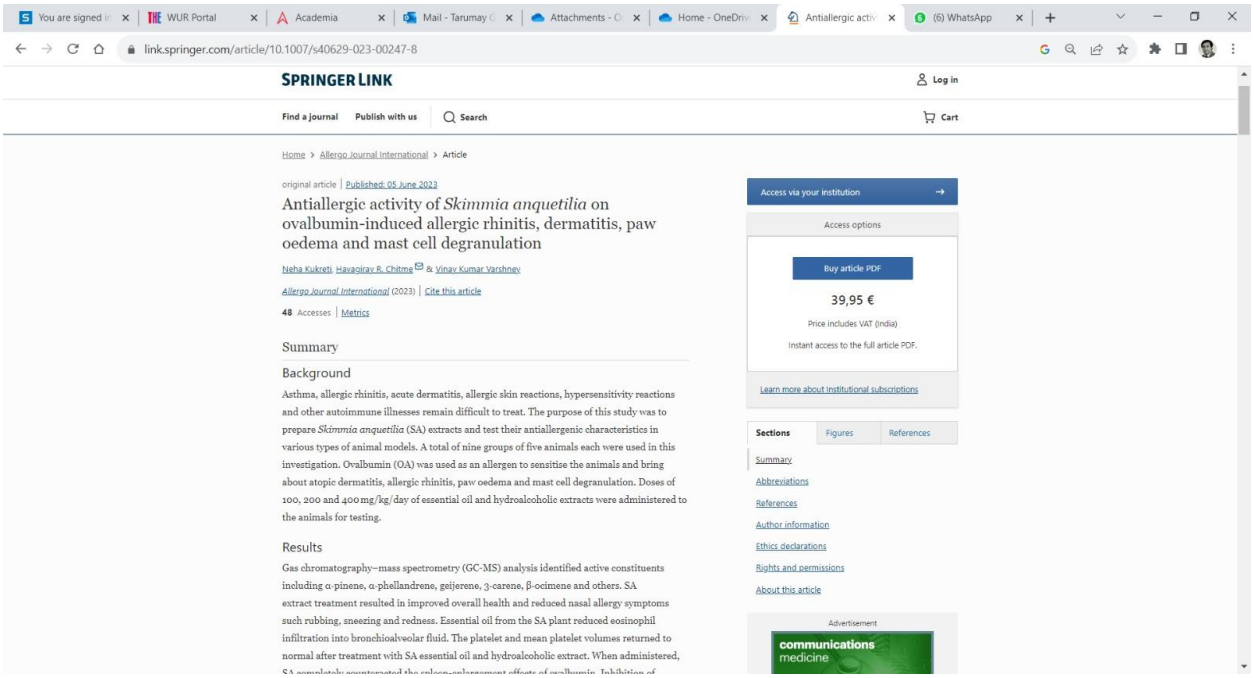
Abstract

There are many high-altitude plants such as *Skimmia anquetilia* that are unexplored for their possible medicinal values. The present study was conducted to examine the antioxidant activities of *Skimmia anquetilia* (SA) using in vitro and in vivo models. The SA hydro-alcoholic extracts were investigated using LC-MS for their chemical constituents. The essential oil and hydro-alcoholic extracts of SA were evaluated for pharmacological properties. The antioxidant properties were evaluated using in vitro DPPH, reducing power, cupric reducing antioxidant power, and metal chelating assays. The anti-hemolytic activity was carried out using a human blood sample. The in vivo antioxidant activities were evaluated using CCl_4-induced hepatotoxicity and nephrotoxicity assay. The in vivo evaluation included histopathological examination, tissue biochemical evaluation such as the kidney function test, catalase activity, reduced glutathione activity, and lipid peroxidation estimation. The phytochemical investigation

Share Help Cite Discuss in SciProfiles Endorse Comment

DIT University
Event Report





link.springer.com/article/10.1007/s40629-023-00247-8

SPRINGER LINK

Log in

Find a journal Publish with us Search Cart

Home > Allergo Journal International > Article

original article | Published: 05 June 2023

Antiallergic activity of *Skimmia anquetilia* on ovalbumin-induced allergic rhinitis, dermatitis, paw oedema and mast cell degranulation

Neha Kukreti, Havagiray R. Chitme & Vinay Kumar Varshney

Allergo Journal International (2023) | Cite this article

48 Accesses | Metrics

Summary

Background

Asthma, allergic rhinitis, acute dermatitis, allergic skin reactions, hypersensitivity reactions and other autoimmune illnesses remain difficult to treat. The purpose of this study was to prepare *Skimmia anquetilia* (SA) extracts and test their antiallergenic characteristics in various types of animal models. A total of nine groups of five animals each were used in this investigation. Ovalbumin (OA) was used as an allergen to sensitise the animals and bring about atopic dermatitis, allergic rhinitis, paw oedema and mast cell degranulation. Doses of 100, 200 and 400 mg/kg/day of essential oil and hydroalcoholic extracts were administered to the animals for testing.

Results

Gas chromatography–mass spectrometry (GC-MS) analysis identified active constituents including α-pinene, α-phellandrene, geijerene, 3-carene, β-ocimene and others. SA extract treatment resulted in improved overall health and reduced nasal allergy symptoms such rubbing, sneezing and redness. Essential oil from the SA plant reduced eosinophil infiltration into bronchioalveolar fluid. The platelet and mean platelet volumes returned to normal after treatment with SA essential oil and hydroalcoholic extract. When administered, SA completely counteracted the spleen-enlargement effects of ovalbumin. Inhibition of

Access via your institution →

Access options

Buy article PDF

39,95 €

Price includes VAT (India)

Instant access to the full article PDF.

Learn more about institutional subscriptions

Sections Figures References

Summary
Abbreviations
References
Author information
Ethics declarations
Rights and permissions
About this article

Advertisement

communications medicine