



सीएसआईआर  
CSIR  
भारत का नवाचार इंजन  
The Innovation Engine of India

A CSIR Publication

NIScPR  
National Institute of Science Communication and Policy Research  
सीएसआईआर-निसप्र

Indian J Nat Prod Resour

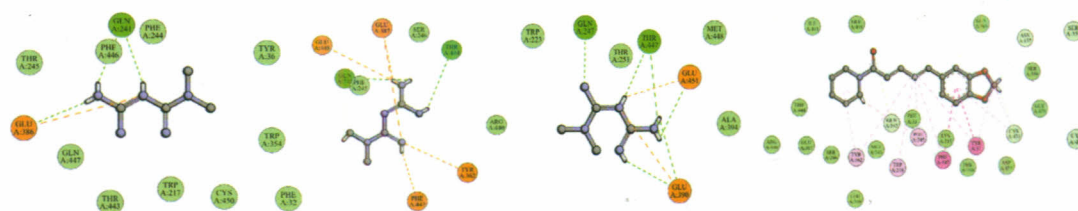
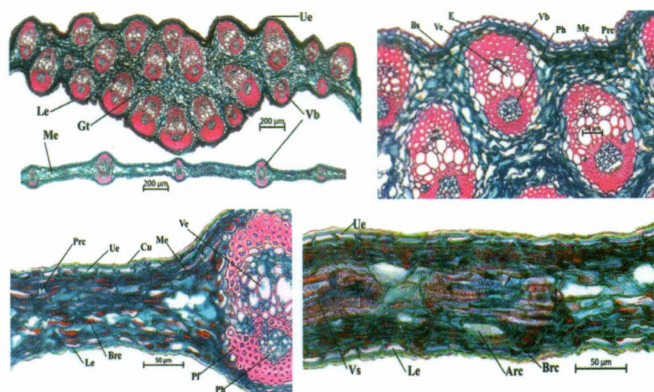
June 2025

Vol. 16, No. 2, pp. 203-336

ISSN : 0976-0504 (print); ISSN 0976-0512 (online)

ijnpr@niscpr.res.in

# Indian Journal of Natural Products and Resources



<https://niscpr.res.in>

CSIR-National Institute of Science Communication and  
Policy Research

New Delhi, INDIA

Online Submission URL: <https://or.niscpr.res.in/index.php/IJNPR>

01/8/25  
SB



# Indian Journal of Natural Products and Resources

(Formerly known as *Natural Product Radiance*)

<http://niscpr.res.in>; <http://nopr.niscpr.res.in>

VOLUME 16  
ISSN:0976-0504 (Print)

Number 2

June 2025  
ISSN 0976-0512 (Online)

## Review Paper

- Anti-inflammatory flavonoids found in medicinal plants of acanthaceae family 209  
Santanu Giri and Prerona Saha
- Dodonaea viscosa* Jacq: Multi potential therapeutic agent for human health - A review 227  
N. Balasubramanian, V. Thamil Priya, Shailesh K. Srivastava, V. Shanmugaiah and C. Karunakaran

## Research Paper

- Chemically standardised extract of *Withania somnifera* (Ashwagandha) inhibits tumour growth, promotes apoptosis and cell cycle arrest 236  
Subasini Uthirapathy and Javed Ahamad
- Phytochemicals identification, anti-microbial, anti-oxidant and anti-diabetic activities of *Polygala sphenoptera* Fresen 246  
Hasanpasha N Sholapur, Rajani Benchikeri, Fatima Sanjeri Dasankoppa, Kamaladevi T Kshtriya and Pramod Benchikeri
- Enhancement of metformin bioavailability by *Tinospora cordifolia* extracts: Insights into pharmacokinetic interactions 258  
Rajanikanta Sahu, Mahendra Gaur and Bharat Bhusan Subudhi
- Exploring *Clitoria ternatea* (Blue pea) herbal tea: A potent beverage with antioxidant and  $\alpha$ -amylase inhibitory activity 271  
Sowmya Ramesh, M. Rajkumar, K. Silambuselvi and Supriya Velraja
- Insights into the antibacterial and anti-inflammatory potential of *Marchantia polymorpha* L. 279  
Hiteshi Sabharwal, Geeta Shukla, Kanthi Kiran Kondepudi, Neha Dogra, Anshul Pannu, Swati Secrain and Sunita Kapila
- Efficiency of solvents in identification of bioactive compounds from selected marine red algae of the Gulf of Mannar, India 291  
Kirithiga Aassaithambi, Velmurugan Devadasan, Pachiappan Raman and Ramakritinan Chockalingam Muthiah
- Optimization of the extraction process of antioxidant compositions from *Glycyrrhiza uralensis* using the response surface method 307  
Nguyen Thi Thu Thuy and Quach Thi Quynh
- Modified starch with resistant starch content and antioxidant activity from unripe *Carica papaya* fruits 315  
Tu Hoai Tran, Thang Toan Quach, Nhan Trung Nguyen and Phu Hoang Dang
- Some pharmacopoeial tests for a folklore herb *Cordyline fruticosa* (L.) A. Chev. and monographic standards with antioxidant assay thereof 325  
Suman Mandal, Achintya Kumar Mandal, Susikumar Sundharamoorthy, Sunil Kumar Koppala Narayanan, Dhritismita Bayan, Devanjal Bora, Manajit Bora, Dinesh Baruah, Puneet Kumar Singh and Shakila Ramachandran
- Instructions to Authors 335