



# 3.3.1. NUMBER OF RESEARCH PAPERS PER TEACHER IN THE JOURNALS NOTIFIED ON UGC WEBSITE DURING THE YEAR

NAMES OF THE AUTHORS
DR. JYOTIKA BRARI
DR. SHWETA THAKUR
DR. SHRUTI GUPTA
DR. KIRAN THAKUR
DR. KIRAN THAKUR
MR. NISHANT
DR. KUSUM
DR. ASHWANI KUMAR
DR. DEVINA AUCHOYBUR

1. Dr. Jyotika Brari - Zoology Deparment

Journal of Research: International Journal of Pharmaceutical & Biological Archives

Year-2021

ISSN 2582-6050

Link to website of the Journal-International Journal of Pharmaceutical and Biological Science Archive (ijpba.in)

Link to article/paper/abstract of the article-

http://www.ijpba.info/index.php/ijpba/article/view/1963



Available Online at www.ijpba.info International Journal of Pharmaceutical & Biological Archives 2021; 12(4):163-169

#### RESEARCH ARTICLE

#### Bioactivity of an Ionic Liquid against Two Major Coleopteran Stored Grain **Insect Pests**

Jyotika Brari, Shweta Thakur St. Bede's College, Shimla, Himachal Pradesh, India

Received: 30 September 2021; Revised: 17 October 2021; Accepted: 15 November 2021

#### ABSTRACT

Introduction: Insecticidal efficacy of a monoterpene-based ionic liquid was evaluated against two Introduction: Insecticidal efficacy of a monoterpene-based ionic liquid was evaluated against two Colcopteran insect pests, viz., the red flour beetle, *Tribolium castaneum* Herbst. and the drug store beetle, *Stegobium paniceum* (L). Methods: Bioassays for contact activity against adult insects, larvicidal activity, repellent activity, and antifeedant activity were conducted in the laboratory for the above said insect pests. Results: Ionic liquid at a highest concentration of 1.0 µl/cm² proved to be most effective against adults of *S. paniceum* producing 76.23 ± 1.9% mortality while 70.12±3.5% mortality was obtained against *T. castaneum* after 72 h, respectively. *T. castaneum* larvae were most susceptible to all the doese of ionic liquid at a highest dose of 100 µl/ml of ionic liquid 80.08 ± 2.2 mortality was obtained followed by a mortality of 68.32±1.8% for *S. paniceum* apone 8.10 day old larvae Lonic liquid showed remarkale renellaroy, at different doses dose of 100  $\mu$ /ml of ionic liquid 80.08 ± 2.2 mortality was obtained followed by a mortality of 88.32±1.8% for *S. paniceum* among 8-10 day old larvae. Ionic liquid showed remarkable repellency at different doses of 2, 6 and 10  $\mu$ l/cm² against both insect pests. For *S. paniceum* 75.45 ± 1.9, 80.28 ± 2.4 and 56.35 ± 4.8% repellency was observed at 10  $\mu$ l/cm² of ionic liquid after 3, 5 and 24 h. Ionic liquid proved to be effective seed protectant against both the insect pests. 87.99 ± 0.14% FDI was recorded with 5.10 ± 0.30 grain damage at 300  $\mu$ l/g of ionic liquid, respectively, while 72.32 ± 0.18% grain damage was observed in control for *T. castaneum*.

Keywords: Antifeedant, insect pests, ionic liquid, larvicidal, repellent activity

Severe damage in weight and nature of the stored products is caused by many insects.[1] Adult and juvenile insects form attack many flour factories, distribution centers and supermarkets and feed on an extremely wide assortment of dry vegetable substances, for example, processed cereal items. Interest in the utilization of monetarily accessible bio insecticide sprays and future possibilities for the improvement of new natural arrangements in plant protection has fundamentally expanded as of late. Bio insecticide sprays of business accessibility have produced a great deal of interest in the territory of plant protection with respect to new organic planning advancement. The characteristic items

dependent on plants are generally less unsafe to climate and mammalian wellbeing when contrasted with manufactured synthetic pesticides. Thusly to lessen the negative effects on human wellbeing and climate regular items are the best option in contrast to engineered pesticides. Pesticides derived from plant fundamental oils or their constituents have set up extraordinary proficiency against the expansive scope of stored product damage. Monoterpenes containing ten carbons are a class of plant obtained metabolites. As the fundamental constituents of essential oil, these impart plants their exceptional odoriferous properties. Usually containing 1–3 terpenes as significant parts and numerous others as minor segments the oil constitution is unique for each plant species. [2] In constitution is unique for each paint species. In the case of *Sitophilus oryzae*, the red flour beetle, *Tribolium castaneum* and the sawtoothed grain insect, *Oryzaephilus surinamensis* some usual monoterpenoids have been demonstrated to monoterpenoids have been demonstrated to exhibit fumigant toxicity.<sup>[3]</sup> Four stored product

ISSN 258

\*Corresponding Author: Jyotika Brari, E-mail: jyotika58brari@gmail.com

© 2021, IJPBA, All Rights Reserved

Dr. Jyotika Brari



#### List of journals approved by UGC

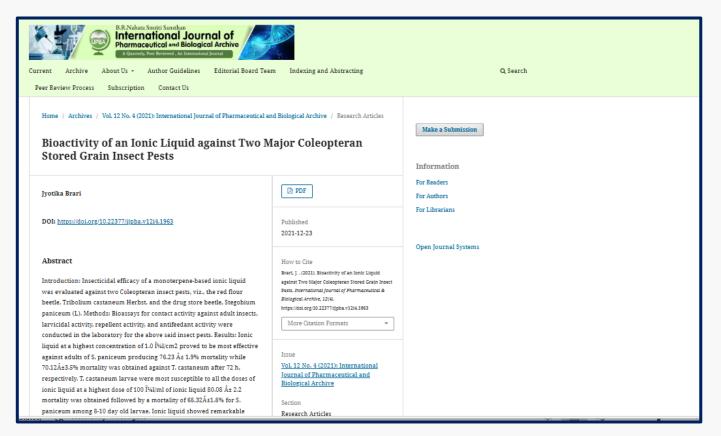
SI.No.	Journal	Title	Publisher	ISSN	E-ISSN
	No			20531583	
1	98	2D Materials			20531583
2	99	3 Biotech	Springer Heidelberg	2190572X	21905738
3	100	3D Printing and Additive Manufacturing	Mary Ann Liebert, Inc	23297662	23297670
4	1 101 3D Research		Springer Science + Business Media		2092673
5	104	3L: Language, Linguistics, Literature	Penerbit Universiti Kebangsaan Malaysia	1285157	
6	63621	452ºF. Revista de Teoría de la literatura y Literatura Comparada	452ºF. Revista de Teoría de la literatura y Literatura Comparada		20133294
7	105	4OR	Springer Verlag	16194500	16142411
8	107	A & A case reports	Wolters Kluwer Health	23257237	
9	108	A + U-Architecture and Urbanism	A & U Publ Co Ltd	3899160	
10	109	A Contrario. Revue Interdisciplinaire De Sciences Sociales	Editions Antipodes	16607880	
11	41142	A.B.I. Technik	Walter de Gruyter GmbH	7206763	21914664
12 122		a/b: Auto/Biography Studies	Taylor and Francis Ltd	21517290	
13	.3 123 A Z ITU Journal of Faculty of Architecture		Orhan Hacihasanoglu Itu Faculty of Architecture	13028324	
14	124	AAA, Arbeiten aus Anglistik und Amerikanistik	Gunter Narr Verlag	1715410	
15	125	AAC: Augmentative and Alternative Communication	Informa Healthcare	7434618	14773848
16	126	AACL Bioflux	Bioflux Publishing House	18448143	18449166
17	127	AACN Advanced Critical Care	Lippincott Williams & Wilkins Ltd	15597768	
18	.8 40764 Aadarshah		Shri Bhagavandas Aaadarsh Sanskrit Mahavidyalaya, Haridwar, Uttarakhand	22307427	
19 41100 Aaj		Aajkal	Suchna Bhawan, Lodhi Road, New Delhi.	0971846X	
20	41132 Aalami Urdu Adab (Quarterly) Sant Gadge Baba ( University		Sant Gadge Baba Amravati	23947616	
21	130	AANA Journal	AANA Publishing Inc.	946354	
22	132	AAO Journal	American Academy of Osteopathy	23755776	
23	23 63632 AAOU Journal		ASIAN ASSOCIATION OF OPEN UNIVERSITY, PHILLIPINES	18583431	24146994
24	134	AAPG Bulletin	Amer Assoc Petroleum Geologist	1491423	1558915

Page 1

SI.No.	Journal No	Title	Publisher	ISSN	E-ISSN
11269	23319	International Journal of Pharmaceutical and Biological Archive	Editor-in-chief-Mr. M.A. Naidu	9763333	
11270	23322	International Journal of Pharmaceutica Healthcare N	Emerald Group Publishing Ltd	17506123	
11271	23323	International 20 and Pharmaceutical Phytopharmacc cal Research	Arya Publishing House	22501029	22496084
11272	23326	International Journal of Pharmaceutical Compounding	International Journal of Pharmaceutical Compounding (Ijpc)	10924221	
11273	73 64186 International Journal of Pharmaceutical investigation		Medknow Publication and media pvt. Ltd	2230973X	22309713
11274	23325	International Journal of Pharmaceutical Quality Assurance	In-ljpqa	9759506	
11275	63703	International journal of	Association of Indian	9752366	

Dr. Jyotika Brari (UGC- CARE List)





Dr. Jyotika Brari

**BACK** 

2. Dr. Shweta Thakur- Zoology department

Journal of Research: International Journal of Pharmaceutical & Biological Archives Year 2021

ISSN 2582-6050

Link to website of the Journal- <u>International Journal of Pharmaceutical and Biological</u> Science Archive (ijpba.in)

Link to article/paper/abstract of the article-

http://www.ijpba.info/index.php/ijpba/article/view/1963



Dr. Shweta Thakur



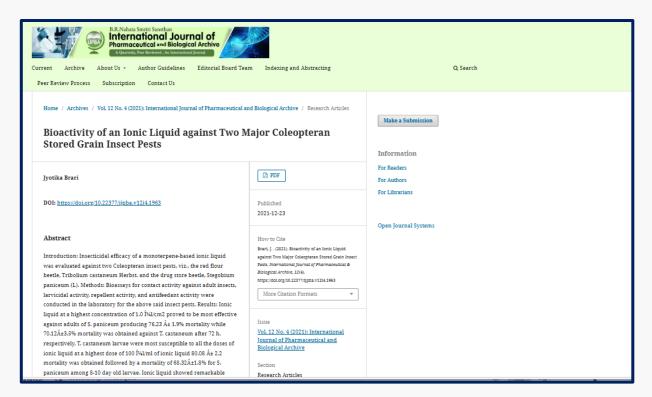
### St. Bede's College Shimla

List of journals approved by UGC						
SI.No.	Journal No	Title	Publisher	ISSN	E-ISSN	
1	98	2D Materials	IOP Publishing Ltd	20531583	20531583	
2	99	3 Biotech	Springer Heidelberg	2190572X	21905738	
3	100	3D Printing and Additive Manufacturing	Mary Ann Liebert, Inc	23297662	23297670	
4	101	3D Research	Springer Science + Business Media		20926731	
5	104	3L: Language, Linguistics, Literature	Penerbit Universiti Kebangsaan Malaysia	1285157		
6	63621	452ºF. Revista de Teoría de la literatura y Literatura Comparada	452ºF. Revista de Teoría de la literatura y Literatura Comparada		20133294	
7	105	4OR	Springer Verlag	16194500	16142411	
8	107	A & A case reports	Wolters Kluwer Health	23257237		
9	108	A + U-Architecture and Urbanism	A & U Publ Co Ltd	3899160		
10	109	A Contrario. Revue Interdisciplinaire De Sciences Sociales	Editions Antipodes	16607880		
11	41142	A.B.I. Technik	Walter de Gruyter GmbH	7206763	21914664	
12 122		a/b: Auto/Biography Studies	Taylor and Francis Ltd	21517290		
13	123	A Z ITU Journal of Faculty of Architecture	Orhan Hacihasanoglu Itu Faculty of Architecture	13028324		
14	124	AAA, Arbeiten aus Anglistik und Amerikanistik	Gunter Narr Verlag	1715410		
15	125	AAC: Augmentative and Alternative Communication	Informa Healthcare	7434618	14773848	
16	126	AACL Bioflux	Bioflux Publishing House	18448143	18449166	
17	127	AACN Advanced Critical Care	Lippincott Williams & Wilkins Ltd	15597768		
18	40764	Aadarshah	Shri Bhagavandas Aaadarsh Sanskrit Mahavidyalaya, Haridwar, Uttarakhand	22307427		
19	41100	Aajkal	Suchna Bhawan, Lodhi Road, New Delhi.	0971846X		
20	41132	Aalami Urdu Adab (Quarterly)	Sant Gadge Baba Amravati University	23947616		
21	130	AANA Journal	AANA Publishing Inc.	946354		
22	132	AAO Journal	American Academy of Osteopathy	23755776		
23	63632	AAOU Journal	ASIAN ASSOCIATION OF OPEN UNIVERSITY, PHILLIPINES	18583431	24146994	
24	134	AAPG Bulletin	Amer Assoc Petroleum Geologist	1491423	15589153	

SI.No.	Journal No	Title	Publisher	ISSN	E-ISSN
11269	23319 International Journal of Pharmaceutical and Biological Archive		Editor-in-chief-Mr. M.A. Naidu	9763333	
Pharmaceutica			Emerald Group Publishing Ltd	17506123	
11271	23323	International 30 and Pharmaceutical Phytopharmacc cal Research	Arya Publishing House	22501029	22496084
11272	23326	International Journal of Pharmaceutical Compounding	International Journal of Pharmaceutical Compounding (Ijpc)	10924221	
11273	64186	International Journal of Pharmaceutical investigation	Medknow Publication and media pvt. Ltd	2230973X	22309713
11274	23325	International Journal of Pharmaceutical Quality Assurance	In-ljpqa	9759506	
11275	63703	International journal of	Association of Indian	9752366	

Dr. Shweta Thakur (UGC- CARE List)





Dr. Shweta Thakur



3. Dr. Shruti Gupta– Biotechnology Deparment

Journal of Research: Journal Biomolecular Structure and Dynamics

Year: 2022

Print ISSN: 0739-1102 Online ISSN: 1538-0254

Link to website of the Journal-

https://www.tandfonline.com/action/journalInformation?journalCode=tbsd20

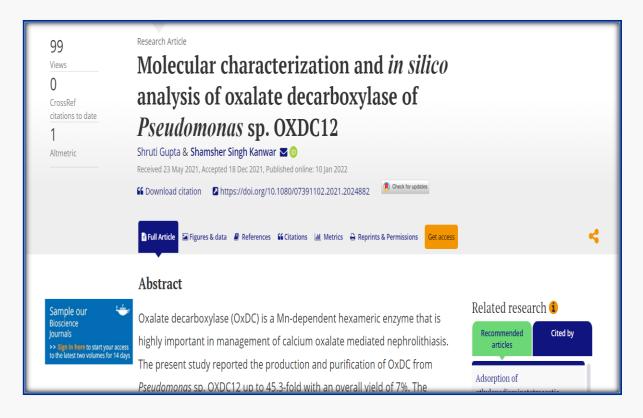
Link to article/paper/abstract of the article- Molecular characterization and in silico analysis of oxalate decarboxylase of Pseudomonas sp. OXDC12: Journal of Biomolecular Structure and Dynamics: Vol 41, No 4 (tandfonline.com)

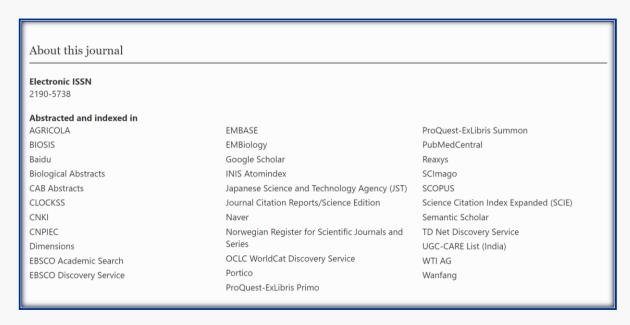
Taylor & Francis Molecular characterization and in silico analysis of oxalate decarboxylase of Pseudomonas sp. OXDC12 Shruti Gupta and Shamsher Singh Kanwar @ Department of Biotechnology, Himachal Pradesh University, Summer Hill, Shimla, India Communicated by Ramaswamy H. Sarma ABSTRACT
Oxalate decarboxylase (OxDC) is a Mn-dependent hexameric enzyme that is highly important in management of calcium oxalate mediated nephrolithiasis. The present study reported the production and purification of OxDC from *Pseudomonas* sp. OXDC12 up to 45.3-fold with an overall yield of 79%. The purified OxDC displayed a single band of approximately 40xDa on SDS-PAGE and 240xDa on Natives and 240xDa on Natives of the presence of substrate sodium oxalate (30 mg/ml) with a  $K_{\rm h}$  and  $V_{\rm cma}$ , value of 26°C and pH 4.5 in the presence of substrate sodium oxalate (30 mg/ml) with a  $K_{\rm h}$  and  $V_{\rm cma}$ , value of 43.9 mM and 8.9 μ mol/min, respectively and an activation energy of 52.49 klmol. The enzyme activity was significantly enhanced by adding o-phenylenediamine to the reaction mixture. OxDC exhibited a very low 17 haemolytic activity which suggested a relatively safer therapeutic aspect of the tested OxDC. The structure prediction studies of the OxDC revealed a tertiary structure with  $\alpha$ /β chains that formed the  $\beta$  barrel structure, typical of all cupin domains. The Ramacharan plot produced by PROCHECK shows that 90.5% of the residues are in the most favoured region and hence the OxDC model produced was a good one. Doxking studies revealed the binding of the metal ions and ligands to cluster of three histidine residues in the *N* terminal domain that formed the active site pocket of the enzyme. It was suggested that the histidine coordinated Mn2+ ion was critical for substrate recognition and binding and was also directly involved in OxDC catalyses. Oxalate decarboxylase (OxDC) was successfully purified from *Pseudomonas* sp. OXDC12 up-to 45.3-fold.
 The K<sub>m</sub> and V<sub>max</sub> values of the purified Oxform. 49.3-70/a. The  $K_m$  and  $V_{\rm max}$  values of the purified OxDC were calculated as 43.9 mM and 8.9  $\mu$ mol/min, respectively. Genre analysis and structure prediction studies revealed the presence of  $\beta$  barrel structure typical of all cupin domains. The model exhibited a bi-cupin domain that forms the dimer of the homo-hexameric OxDC. hexameric OXDC.

Docking experiments revealed that the cluster of three HIS residues in the N terminal domain of the tested enzyme formed the active site pocket for binding of Mn as well as the ligands. hydronephrosis and severe bleeding. Although a number of treatments for kidney stones such as extracorporeal shock wave lithotripsy (ESWL) and drug therapy are available but their use is limited due to the severe side effects caused by exposure to these shock waves such as acute renal injury, decreased renal function and increased stone recurrence as well as due to their expensive nature. During the removal of water from the urine, the supersaturation of calcium oxalate leads to enhanced deposition of high levels of calcium oxalate in the form of crustals inside the kidneys which leads to Urolithiasis or the kidney stones is a chronic disease which leads to loss of kidney function(s) and nephrectomy. Several serious diseases such as transitional cell carcinoma (TCC) or renal cell carcinoma (RCC) and kidney tumours have been related with chronic kidney stone disease, since they have been found to be more frequent among patients with kidney stones (Gupta & Kanwar, 2020). A number of factors such as age, fluid intake, infections of the urinary tract, climatic conditions, sex, genetic predisposition, ethnicity as well as diet leads to enhanced deposition of high levels of calcium oxal-ate in the form of crystals inside the kidneys which leads to the formation of kidney stone or urolithiasis (Gupta & Kanwar, 2020). Various in vivo and in vitro studies along with clinical trials have proposed the use of phyto-molecules in the treatment and management of kidney stones, however, they have been unsuccessful in preventing the re-occurrence age, fluid intake, infections of the urnary tract, climatic con-ditions, sex, genetic predisposition, ethnicity as well as diet are considered responsible for the rate and prevalence of kidney stones. In a few cases, surgery becomes imperative to remove or break the stones as they may cause extreme pain, blockage of urine flow, urinary tract infection, CONTACT Shamsher Singh Kanwar (a) kanwarss2000@yahoo.com (b) Department of Biotechnology, Himachal Pradesh University, Summer Hill, Shimla 171005, India. a. La UK Limited, trading as Taylor & Francis Group

Dr. Shruti Gupta







Dr. Shruti Gupta (SCOPUS and UGC- CARE List)



4. Dr. Kiran Thakur - Microbiology Department

Journal of Research: 3 Biotech

Year- 2021

ISSN 2190-572X

Link to website of the Journal-https://www.springer.com/journal/13205

Link to article/paper/abstract of the article-<u>https://link.springer.com/article/10.1007/s13205-</u>021-02953-y



Dr. Kiran Thakur





#### Dr. Kiran Thakur (SCOPUS and UGC-CARE List)



Dr. Kiran Thakur

#### 5. Dr. Kiran Thakur - Microbiology Deparment

Journal of Research: BioNanoscience

Year-2021

ISSN 2191-1649 (E); 2191-1630 (P)

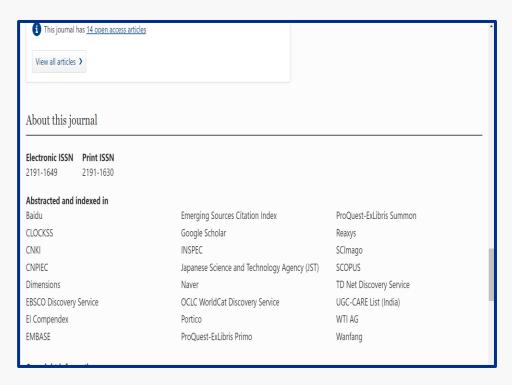
Link to website of the Journal-https://www.springer.com/journal/12668

Link to article/paper/abstract of the article-

https://link.springer.com/article/10.1007/s12668-022-00969-z







Dr. Kiran Thakur (SCOPUS and UGC-CARE List)



Dr. Kiran Thakur



6. Mr. Nishant- Chemistry Department

Journal of Research: Phytochemistry Reviews

Year-2021

ISSN 1568-7767 (P); ISSN: 1572-980X

Link to website of the Journal- https://www.springer.com/journal/11101

Link to article/paper/abstract of the article- A review on the genus Populus: a potential

source of biologically active compounds | SpringerLink

Phytochem Rev https://doi.org/10.1007/s11101-021-09772-2



#### A review on the genus Populus: a potential source of biologically active compounds

Ishita Guleria · Amita Kumari () · Marie-Aleth Lacaille-Dubois · Nishant · Vikas Kumar · Adesh K. Saini · Jyoti Dhatwalia · Sohan Lal





Abstract Genus Populus (Salicaceae family) con-sists of dioecious, deciduous, and commercially important forest tree species which are widely spread over the Northern Hemisphere. Traditionally, Populus species are used in the treatment of rheumatism, arthritis, lower buck pains, urinary complaints, diges-tive, liver disorders, debility, anorexia, fevers, and also relieve the pain of menstrual cramps. This review compiles or discusses the general morphology, ethnocompiles or discusses the general morphology, ethnomedicinal uses and phytochemistry of Populus species

Culeria · A. Kumari (ES) · J. Dhatwalia · S. Lal School of Biological and Environmental Sciences, Faculty of Sciences, Shootins University, Solan, Himachal Prodesh 173212, India e-mail: antisbot@gnail.com

M.-A. Lacaille-Dubois (ES) Department of Pharmacognosy, EA 4267, UFR of Health Sciences, University of Bourgogne Franche-Comié, 21079 Dijon Cedex, France e-mail: Marie-Aleth Lacaille-Dubois@u-bourgogne.fr

Department of Chemistry, St. Beads College, Shimla, Himachal Pradesh, India

V. Kurnur Faculty of Biotechnology and Applied Sciences, Shoolini University, Solan, Himochal Pradesh 173212, India.

A. K. Seini Department of Biotechnology MMEC, Central Research Laboratory MMIMSR, Maharishi Markandeshwar, Mullana, Haryano, India

Published online: 12 September 2021

along with their pharmacological activities (antiamong with meir pharmacological activities (anti-microbial, anti-cancer, anti-inflammatory, anti-obe-sity, anti-diarrhea, and anti-oxidants) covering the period of 1990–2020. The literature shows that the genus Populus is a rich source of phytocompounds especially phenolic compounds, flavonoids, and ter-penoids, etc. A total of one hundred and fifty-nine constituents were isolated from different plant parts like leaves, bark bads, and roots of Panufus species. like leaves, bark, buds, and roots of Populus species. Only some of the phytocompounds were screened for their biological activities and the rest of them are unexplored. Through this review, the authors hope to anneapoured. In rough this review, the authors hope to attract the attention of natural product researchers throughout the world to focus on the unexplored species of Populus and their unique phytocompounds. This review underlines the potential of phytocom-pounds from Populus species that could lead to a new mathematical to the potential of th pathway in Pharma industries.

Keywords Populus - Ethno-medicinal uses Phytochemistry - Pharmacological activities

Abbreviations

Aluminum chloride 2,2°-Azino-bis (3-ethylbenzothiazoline-6-sulfonic ABTS

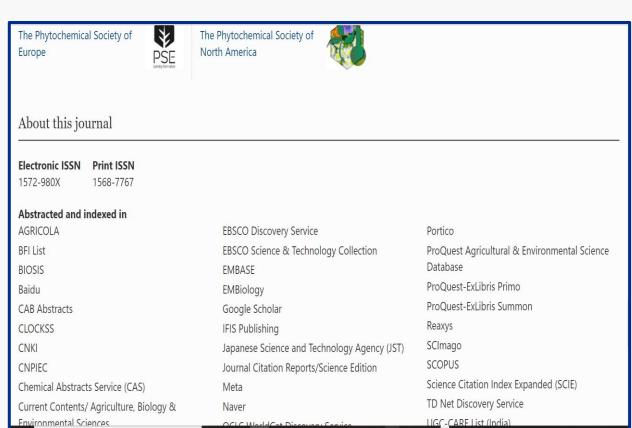
NF-кB p65 Blunted LPS-triggered enhanced

BDNF Brain-derived neurotrophic factor

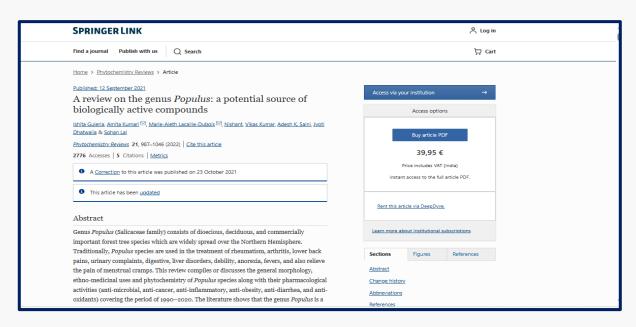
Content courtesy of Springer Nature, terms of use apply. Rights reserved.

Mr. Nishant Kumar





### Mr. Nishant Kumar (SCOPUS and UGC-CARE List)



Mr. Nishant Kumar



7. Dr. Kusum- Botany Department

Journal of Research: J. Orchid Society of India

Year: 2021

ISSN: 0971-5371

Link to website of the Journal-https://www.orchidsocietyindia.org/journals

Link to article/paper/abstract of the article- https://www.orchidsocietyindia.org/wp-

content/uploads/2022/05/Verma-etal\_18\_21-1.pdf

Journal ID - 101051054

J. Orchid Soc. India, 35: , 202

ISSN 0971-5371

### ON THE OCCURRENCE OF A LEAFLESS CYMBIDIUM IN WESTERN HIMALAYA

Jagdeep Verma, Kranti Thakuri, Jaspreet K Sembil, Kusumi, and Promila Pathaki

Department of Botany, Government College, Rajgarh- 173 101, Himachal Pradesh, India

<sup>1</sup>Department of Botany, Shoolini Institute of Life Sciences and Business Management, Solan- 173 212, Himachal Pradesh, India

<sup>2</sup>Department of Botany, Panjab University, Chandigarh- 160 014, Chandjarh- 1, India

<sup>3</sup>Department of Botany, St. Bede's College, Navbahar, Shimla- 171 002, Himachal Pradesh, India

#### Abstract

Cymbidiums are popular worldwide for their beautiful and long lasting flowers. They grow as epiphytes, terrestrials, lithophytes or very rarely as leafless plants. The present communication deals with one such leafless taxon, Cymbidium macrorhizon Lindl., and its occurrence along the Western Himalayan range.

#### Introduction

WESTERN HIMALAYAN part in India comprises of Himachal Pradesh, Uttarakhand, Jammu and Kashmir, and Ladakh States and Union Territories (UTS). It represents one of the most diverse orchid habitats in the country with nearly 240 documented species under 72 genera (Jalal and Jayanthi, 2015). During our surveys across this Himalayan segment, we came across many orchid species, majority of which were ground growing in habit. A few of these were observed lacking leaves throughout their whole life. One such leafless orchid was Cymbidium macrorhizonLindl. We found it growing on partially shady to shady forest floors in Himachal Pradesh and Uttarakhand. Recently, it has also been reported to occur in Jammu and Kashmir (Thakur and Dutt, 2020). Here we provide notes on taxonomy, distribution, habitat characteristics, phenology and conservation of this interesting taxon in reference to its occurrence in Western Himalaya.

#### Material and Methods

Field surveys were conducted in Himachal Pradesh, Uttarakhand, and Jammu and Kashmir (2012-2018), and information pertaining to the morphological features, distribution, habitat characteristics, and phenology of Cymbidium macrorhizon was collected. Plants were described based on fresh material, and identified following standard Floras (Deva and Naithani, 1986; Duthie, 1906; Vij et al., 2013). The information on this taxon was also augmented by surveying relevant literature available on its taxonomy and distribution (Chowdhery and Wadhwa, 1984; Deva and Naithani 1986, Duthie, 1906; Jalal and Jayanthi, 2013, 2015; Seidenfaden and Arora, 1982; Singh et al., 2019; Thakur

and Dutt, 2020; Vij et al., 2013). Seed characters (shape, size, testa cells, and per cent air space) were studied using light microscope following Vij et al. (1992).

#### Results

CymbidiumSw. (Orchidaceae) is a genus of more than seventy species, which are distributed mainly in tropical and subtropical regions of Asia and Australia (Govaerts et al., 2021). It is represented by 29 species in India, of which six species i.e. Cymbidium aloifolium (L.) Sw., C. bicolor subsp. obtusum Du Puy and P. J. Cribb, C. cyperifolium Wall. ex Lindl., C. iridioides D. Don, C. lowianum (Richb. f.) Rchb. f., and C. macrorhizon Lindl. occur naturally in Western Himalaya (Singh et al., 2019). Only one of these species, C. macrorhizon grows as a leafless herb exhibiting a partially mycoheterotrophic mode of nutrition.

Taxonomic Treatment

Cymbidium macrorhizon Lindl., Gen. Sp. Orchid. Pl. 162. 1833; Hook. f., Fl. Brit. India 6: 9. 1890; Duthie, Ann. Roy. Bot. Gard. (Calcutta) 9: 134. t. 114. 1906; Seidenfaden, Opera Bot. 72: 66-67. t. 35. 1983; Chowdhery & Wadhwa, Fl. Himachal Pradesh 3: 681. 1984; Deva & Naithani, Orch. Fl. N. W. Himal. 379. t. 217. 1986. Cymbidium aphyllum Ames & Schltr., Repert. Spec. Nov. Regni Veg. Beih. 4: 73. 1919. nom. illeg. Pachyrhizanthe macrorhizos (Lindl.) Nakai, Bot. Mag. (Tokyo) 45: 109. 1931. Cymbidium macrorhizon var. aberrans (Finet) P. J. Cribb & Du Puy, Gen. Cymbidium, ed. 2: 330. 2007. Cymbidiopis macrorhiza (Lindl.) H. J. Chowdhery, Indian J. Forest. 32: 155. 2009.

Terrestrial, leafless herb, partially mycoheterotrophic. Stem underground, fleshy and creeping rhizome,

Received: November15, 2021; Accepted: December 6, 2021



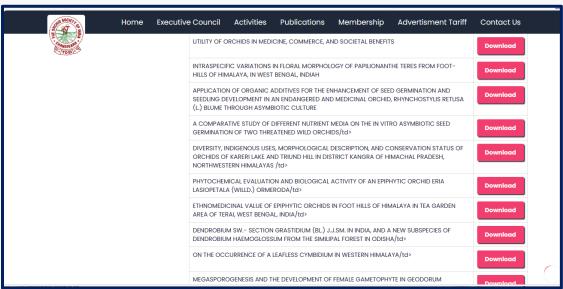


#### Dr. Kusum (UGC-CARE List)



Dr. Kusum (UGC-CARE List)





Dr. Kusum



8. Dr. Ashwani Kumar- Physical Education Department

Journal of Research: International Journal of Physical Education, Sports and Health

Year- 2022

ISSN: 2394-1685 (P); ISSN: 2394-1693 (E)

Link to website of the Journal- www.kheljournal.com

Link to article/paper/abstract of the article-

https://www.kheljournal.com/archives/2022/vol9issue1/PartG/9-1-26-882.pdf



Dr. Ashwani Kumar

International Journal of Physical Education, Sports and Health 2022; 9(1): 407-411



P-ISSN: 2394-1685 E-ISSN: 2394-1693 Impact Factor (ISRA): 5.38 IJPESH 2022; 9(1): 407-411 © 2022 IJPESH Received: 09-11-2021

Accepted: 12-12-2021 Dr. Ashvani Kumar

Principal, The Enlightened College of Physical Education, Jhunir, Manea, Punjab, India

Manuta Singh Rathour Assistant Professor, Department of Phy. Edu. RMVP, Gonda, Uttar Pradesh, India

#### Attitude towards physical education and sports of higher secondary school students of Maharashtra state

#### Dr. Ashwani Kumar and Mamta Singh Rathour

#### Abstract

The present study was confined to the Attitude towards Physical Education and Sports of Higher Secondary School Students of Maharashtra State. The Students ranging between 15-18 years were selected for the study. The Data was collected from the Higher Secondary Student's studying in the Higher Secondary Schools of Maharashtra. Age of the student's was considered as per age-record available in the school. The data of the present study was collected from 700 students selected at stratified random sampling basis from 70 higher secondary school's (10 students from each school) of 35 districts of Maharashtra, selecting two schools from each district at random basis. After analysis the study indicates that, the students belonging to good and poor categories do not differ significantly in their attitude towards physical education and sports. Though the difference in means of the two groups is in favor of students belonging to average category, yet it can be said that observed difference could have arisen due to chance errors. There is no difference in sample means.

Keywords: Attitude, physical education, sports & higher secondary students

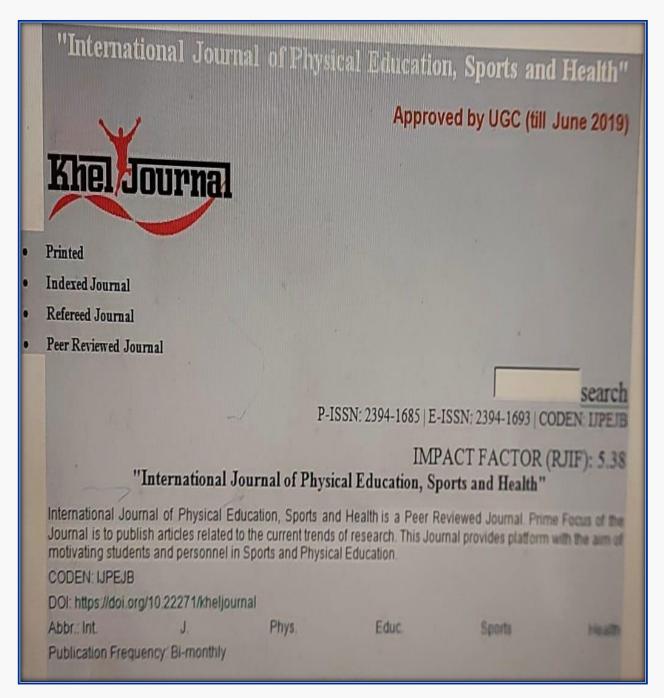
#### Introduction

Attitude- A settled mode of thinking. A 'mental set' held by an individual who affects the ways that, the person responds to events and organizes their cognitions. Attitudes are commonly held to have three essential components or dimensions: a cognitive dimension, involving the beliefs and rationalizations which explain the holding of the attitude: an affective dimension involving the emotional aspects of attitude, such as likes dislikes, feelings of distaste or affection, and a cognitive, or behavioral dimension which involves the extent to which the individual is prepared to act on the attitude that they hold. Attitude is an important psychological factor affecting behavior. According to Leuba (1961) attitudes are behavioral predispositions, which exert an enduring controlling influence over behavior. Luycock and Munro (1996) are of the viewpoints that are emotional, intellectual and motivational components of attitudes. Attitude may be considered as a state of readiness to activity (a kind of pre-motivation stage) and also as a manifested social relation showing itself in certain acts of behavior. It indicates an emotionally and cognitively structured relation towards things; beings; activities and other phenomena of reality. In the field of physical education and sports no athlete can win the condition of an environment. Right attitude and interests are as important to education as a steady steering car. It is important to know how children develop physically because physical development influences children's behavior directly by determining what they can do directly by influencing their attitude towards self and others. Attitudes are the dynamics of human action. Unless people have favorable attitudes and interests towards what they set out to learn, they couldn't drive full benefit out of which is being taught. The development of healthy, favorable attitudes is itself a phase of education. Premlata & Bhatia (2005) studied the attitude of parents towards Physical Education and Sports participation. The major objective of study is to find out the attitude of parents towards physical education and sports participation of their children. Attitude scale was used for the study. The data was collected through a questionnaire containing 50 questions to the parents of 60 girl's students of different colleges of Kurukshetra District of Haryana. The girl's were asked to bring the duly filled questionnaires from their parents. So the 60 responses were collected.

Corresponding Author: Dr. Ashwani Kumur Principal, The Enlightened College of Physical Education Jhunar, Mansa, Punjab, India

-407~





Dr. Ashwani Kumar (UGC-CARE List)



9. Dr. Devina Auchoybur: Hindi Department Journal of research-Jyotirveda Prasthanam, 10(6),

Year- 2022

ISSN 2278-0327

Link to website of the Journal-<u>http://sjifactor.com/passport.php?id=19940</u>

**Print Version Only** 

## हिंसा और दहशत की चादर तले : 'हमारा शहर उस बरस'

#### डॉ. देविना अयवर



एमए, एम.फिल एवं पीएच.डी.

जवाहरलाल नेहरू विश्वविद्यालय

सहायक प्रोफेसर - सेंट बीड्स कॉलेज, शिमला

राजेंद्र यादव ने बीसवीं सदी के 'औपन्यासिक अंत' में गीतां जिल श्री के उपन्यास, 'हमारा शहर उस बरस', के बहाने एक अहम सवाल उठाया था कि 'हिंदू – मुसलमान होने से ऊपर उठकर सिर्फ मनुष्य और भारतीय होकर रहना क्या सच – मुच इतना आसान है ? 'सभी मनुष्य बराबर हैं!' के भोले सपाटवादियों ने शायद ही कभी इस विस्तार में जाने की जहमत उठायी हो – हाँ, इस धर्मनिर्पेता की कहानी लिखी है गीतांजिल श्री ने – 'हमारा शहर उस बरस' में..।

मगर एक इनसेक्यूरिटी और डर से पैदा हुई है, दूसरी ताकत और अहंकार से।

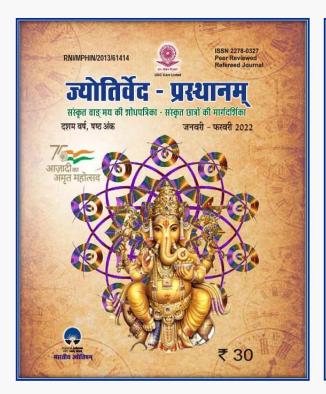
दोनों के चिल्लाने का फ़र्क देखना होगा। दोनों की गलतफ़हमियों से जुझना होगा।' 10

इसी के आधार पर गीतांजलि श्री ने समाज के बुद्धिजीवी 'सेक्युलर' वर्ग को भी कठघरे में घसीटा है जिनकी समय आने पर 'मायनोरिटी' और 'मेजोरिटी' नामक ग्रंथि उभरकर सामने आती है। शरद और हनीफ़ साम्प्रदायिकता विरोधी हैं लेकिन ऐसा क्यों होता है कि साम्प्रदायिकता का विरोध सेक्युलर वर्ग द्वारा तभी होता है जब दंगों का माहौल खड़ा हो चुका होता है ? शरद और हनीफ़ साम्प्रदायिकता के विरोध के प्रति अपनी ही निष्क्रियता को इंगित करते हुए सवाल उठाते हैं कि 'एकदम से तो यह इंडस्ट्री नहीं बन गयी। हम कहाँ थे जब यह बन रही थी?' इस तरह लेखिका समाज में पढे-लिखे बुद्धिजीवी के उन खोखले विचारों और नक्कारेपन को अड़े हाथों लेती हैं जो बहसों और मंचों पर ही सेक्युलरिज्म, सिहष्णुता, सामाजिक समता आदि की दुहाई देते हैं, पर उन्हीं मूल्यों को जब व्यवहार में लाने की बारी आती है तो वे विफल हो जाते हैं। क्यों कथा के अंत तक आते-आते ट्रेन में बलात्कृत महिलाओं की खबर पाकर शरद सोचता है-'ये औरतें हिन्दू ना हों '? क्यों शरद के मन में मुसलमान स्त्रियों के बलात्कार का विचार डर, दु:ख या आक्रोश पैदा नहीं करता ? उसका एक और कथन काबिल-ए-गौर है-'कोई मुकाबला नहीं, उनके हमारे संगठन में...'। वास्तव में शरद के ये विचार उसके दबे साम्प्रदायिक चरित्र का उभार ही है। 'उनके और हमारे' जैसे अलगाववादी विचार के आते ही इं सान अपनी मज़हबी पहचान का परिचय देने लगता है।

Dr. Devina Auchoybur



#### St. Bede's College Shimla







Dr. Devina Auchoybur



## **■ UGC-CARE List**

Sr.No.	Journal Title	Publisher	ISSN	E- ISSN	coverage year	Details
1	Jyotirveda Prasthanam	Bharatiya Jyotisham Private Limited	2278- 0327	NA	from June - 2019 to Present	View

Copyright  ${}^{^{^{\circ}}}$  2022 Savitribai Phule Pune University. All rights reserved. | Disclaimer

Dr. Devina Auchoybur (UGC-CARE List)