Government Post-Graduate College, Ambala Cantt.

(Affiliated to Kurukshetra University, Kurukshetra)





3.3.2 Number of research papers per teachers in the Journals notified on UGC website during the last five years (2016-2021)

Session: 2018-19

Government Post-Graduate College, Ambala Cantt.

(Affiliated to Kurukshetra University, Kurukshetra)





Undertaking

It is certified that the following papers/articles are published in UGC CARE LIST of Journals (UGC Care Group I & II, Scopus, Web of Science, UGC Approved (Old) List of (Cancelled) Journals).

S. N	Title of paper	Name of the	Departmen t of the	Name of journal	Year of publicat	ISSN numbe	Is it listed in UGC Care list/Scopus/Web of
0.		author/s	teacher	3	ion	r	Science/other, mention
1	Finite element Method For the solution of Diatomic Molecules	Sushma Devi	Physics	Journal of Advances and Scholarly Researches in Allied Education	2019	2230- 7540	UGC Approved (old) List of Journals(No. 49103)
2	A Study on Molecules Partition Functions and Properties	Sushma Devi	Physics	Journal of Advances and Scholarly Researches in Allied Education	2019	2230- 7540	UGC Approved (old) List of Journals(No. 49103)
3	A Study On Metals and their properties (aluminium, iron, silver)	Sushma Devi	Physics	Journal of Advances and Scholarly Researches in Allied Education	2019	2230- 7540	UGC Approved (old) List of Journals(No. 49103)
4	Evaluation of mass bathing effects on water quality status of eight prominent ponds of Haryana (India): A multi-location study	Pooja Devi	Zoology	Journal of Applied and Natural Science	2019	2231- 5209	Scopus
5	Residents' Attitudes Towards Socio- economic Impacts of Highway Tourism in Samana Bahu	Shikha Bhatt	Tourism	Journal of Emerging Technologies and Innovative Research	2019	2349- 5162	UGC Approved (old) List of Journals(No. 63975)



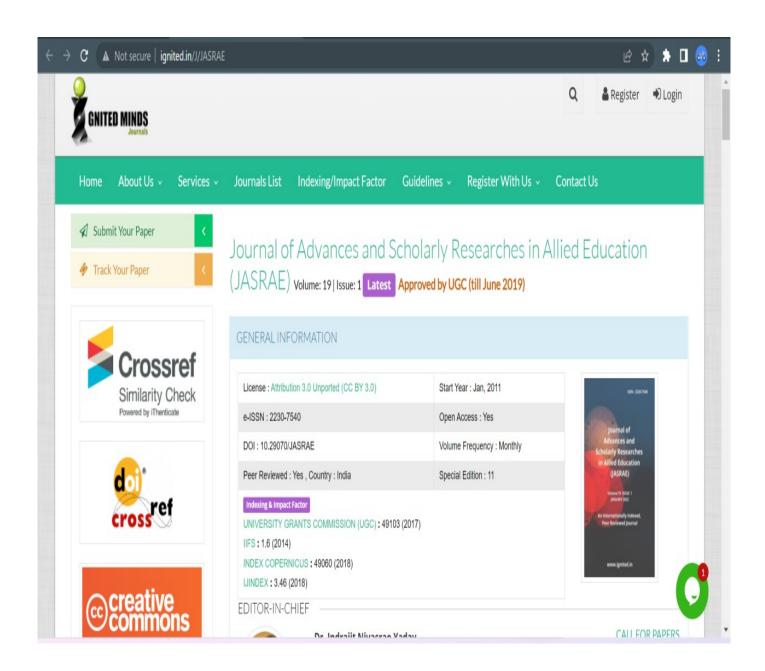
6	Socio-	Shikha	Tourism	International	2019	2348-	UGC Approved (old) List of
	Economic	Bhatt		Journal of		1269	Journals(No. 43602)
	Impacts of			Research and			
	Highway			Analytical		(online)	
	Tourism at			Reviews			
	Murthal						
7	राष्ट्रीय कवि	R K	Hindi	Purva Mimaansa	2019	0976-	UGC Approved (old) List of
'	दिनंकर की	Mehra				0237	Journals(No. 40903)
	चेतना						
8	शांति संदेश	Randeep	Fine Arts	Sanskar Chetna	2019	2347-	UGC Approved (old) List of
	वाहक कोलाज	Singh				4041	Journals(No.41232)
	कलाकार						
	वेंकटरमन बालू						
	का कलात्मक						
	काव्यकूट						



S. N o.	Title of paper	Name of the author/s	Depa rtme nt of	Name of journal	Yea r of publ	ISSN num ber	of the Jou (doi) numbe		oject Identifier
			the teach er		icati on		Link to website of the Journal	Link to article/paper/ abstract of the article	Is it listed in UGC Care list/Scopus/W eb of Science/other, mention
1	Finite element Method For the solution of Diatomic Molecules	Sushma Devi	Physi cs	Journal of Advances and Scholarly Researches in Allied Education	2019	2230- 7540	http://igni ted.in/J/JA SRAE	http://ignited.i n/I/a/293220	UGC Approved (old) List of Journals(No. 49103)
2	A Study on Molecules Partition Functions and Properties	Sushma Devi	Physi cs	Journal of Advances and Scholarly Researches in Allied Education	2019	2230- 7540	http://igni ted.in/J/JA SRAE	http://ignited.i n/I/a/293221	UGC Approved (old) List of Journals(No. 49103)
3	A Study On Metals and their properties (aluminium, iron, silver)	Sushma Devi	Physi cs	Journal of Advances and Scholarly Researches in Allied Education	2019	2230- 7540	http://igni ted.in/J/JA SRAE	http://ignited.i n/I/a/293222	UGC Approved (old) List of Journals(No. 49103)
4	Evaluation of mass bathing effects on water quality status of eight prominent ponds of Haryana (India): A multi-location study	Pooja Devi	Zoolo gy	Journal of Applied and Natural Science	2019	2231- 5209	https://jou rnals.ansfo undation.o rg/index.p hp/jans	https://journal s.ansfoundatio n.org/index.ph p/jans/article/ view/2044	Scopus
5	Residents' Attitudes Towards Socio- economic Impacts of Highway Tourism in Samana Bahu	Shikha Bhatt	Touri sm	Journal of Emerging Technologies and Innovative Research	2019	2349- 5162	https://w ww.jetir.or g/	https://www.j etir.org/paper s/JETIR190326 0.pdf	UGC Approved (old) List of Journals(No. 63975)
6	Socio- Economic Impacts of Highway Tourism at Murthal	Shikha Bhatt	Touri sm	International Journal of Research and Analytical Reviews	2019	2348- 1269	https://w ww.ijrar.or g/	https://ijrar.or g/viewfull.php ?&p_id=IJRAR 19J1581	UGC Approved (old) List of Journals(No. 43602)
7	राष्ट्रीय कवि दिनकर की चेतना	R K Mehra	Hindi	Purva Mimaansa	2019	0976- 0237	https://p m.sdcolleg eambala.a c.in/	https://pm.sdc ollegeambala. ac.in/wp- content/uploa ds/2021/07/V	UGC Approved (old) List of Journals(No. 40903)

							ol10-45.pdf	
8	शांति संदेश वाहक कोलाज कलाकार वेंकटरमन बालू का कलात्मक काव्यकूट	Randeep Singh	Fine Arts	Sanskar Chetna	2019	2347- 4041		UGC Approved (old) List of Journals(No.4 1232)

1	Finite	Sushma	Physics	Journal of	2019	2230-	http://ignited.in	http://ignited.in/I/
	element	Devi		Advances and		7540	/J/JASRAE	a/293220
	Method For			Scholarly				
	the solution			Researches in				
	of Diatomic			Allied Education				
	Molecules							



Finite Element Method for the Solution of Diatomic Molecules

Sushma Devi*

Assistant Professor, Department of Physics, Govt. P.G. College, Ambala Cantt. Haryana, India

Abstract – We introduce the finite-element approach and its use to solve diatomic molecular quantum-mechanical problems. H2 and Hartree-Fock-Slater measurements findings are provided for molecules such as N2 and CO. The precision obtained for the total energies of these structures of less than 5000 grid points is 10-8 au, which is around 2 orders greater than the sensitivity of any other process available.

.....χ......χ.......χ.........

Keywords: Finite Element Method, Diatomic Molecules, Hartree-Fock Slater Equations

INTRODUCTION

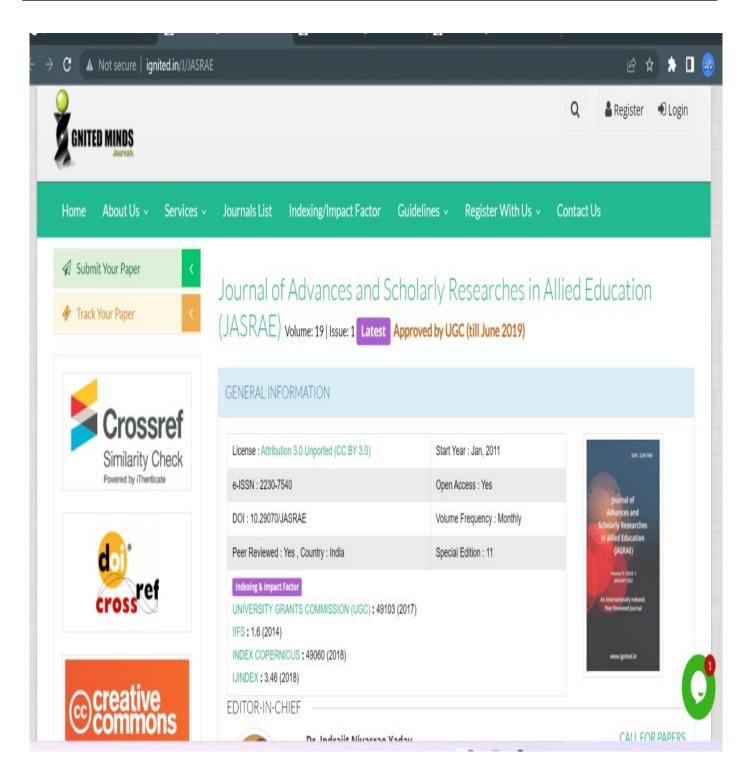
The Finite Element Approach (FEM) is an unprecedented technology for the resolution of state-of-the-art and complex technological problems. Examples are given. The idea of this approach is to segment the space into two- or three-dimensional domains and to define each of these elements separately. These elements are related through boundary conditions. In engineering science, the normal method is to use low-order polynomials to define the interesting quantities of each product.

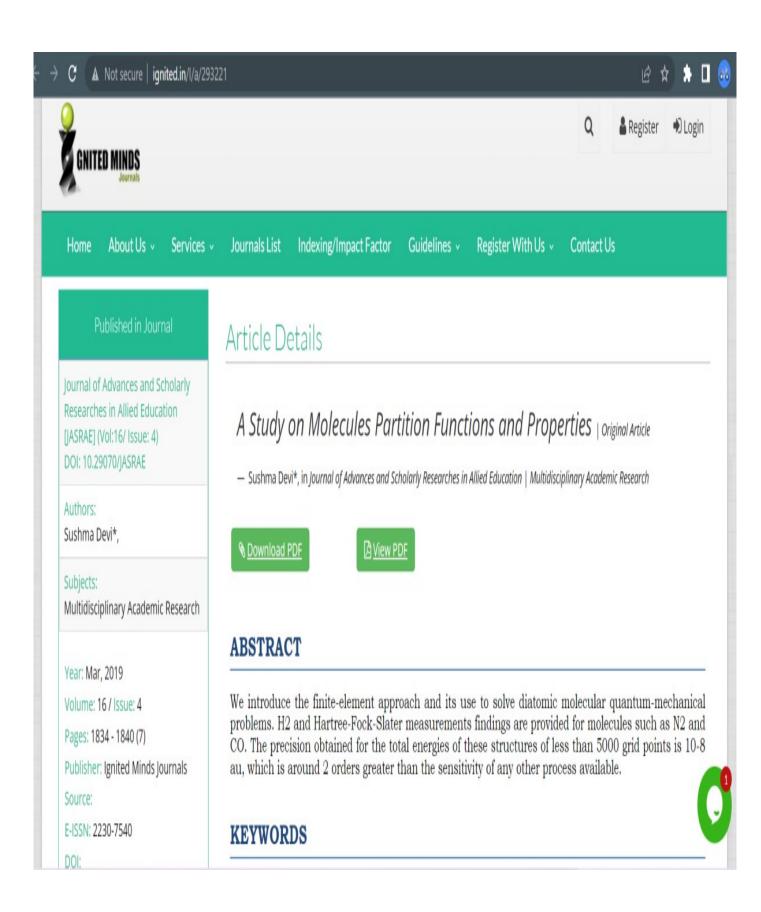
the FEM to the Hartree-Fock Slater solutions, the best start of the second-order partial differential equations is the variational equivalent which takes the form in the Schrödinger-type equation (22).

$$I_{1} = \int \int \left[-\frac{1}{4}K_{1} \left[\frac{\partial \phi_{i}}{\partial x} \right]^{2} - \frac{1}{4}K_{2} \left[\frac{\partial \phi_{i}}{\partial t} \right]^{2} - \frac{1}{4}m^{2}K_{3}(\phi_{i})^{2} \right]$$

$$-\frac{1}{2}(V - \varepsilon_{i})K_{4}(\phi_{i})^{2} ds dt , \qquad (2)$$

2	A Study on	Sushma	Physics	Journal of	2019	2230-	http://ignited.in	http://ignited.in/I/
	Molecules	Devi		Advances		7540	/J/JASRAE	a/293221
	Partition			and				
	Functions			Scholarly				
	and			Researches				
	Properties			in Allied				
	_			Education				







1 of 7

Page:

A Study on Molecules Partition Functions and Properties

Automatic Zoom #

Sushma Devi*

Assistant Professor, Department of Physics, Govt. P.G. College, Ambala Cantt. Haryana, India

Abstract – For a polyatomic molecule, the classical partition function is obtained in a form that has a factor corresponding to the free translational motion of the atom for each atom in an effective volume determined by the average vibrational amplitudes of the atom and the geometrical arrangement of the neighboring atoms. For any choice of internal coordinates, a method is provided to measure the suitable volume components. Harmonic motions, internal rotations and "reaction coordinates" are used in the procedure. Quantum mechanical adjustments introduce external considerations for high-frequency vibrations that shrink the volume components.

Since local properties largely characteristic of the bonds in the vicinity of each atom decide the key factors in this type of the partition function, several of these factors remain virtually constant and can be excluded in calculations comparing the reactants in a chemical reaction with the products or with the activated complex.

Keywords: Molecules Partition, Function, Properties;

INTRODUCTION

In statistical thermodynamic applications, and particularly in the transition state theory of chemical

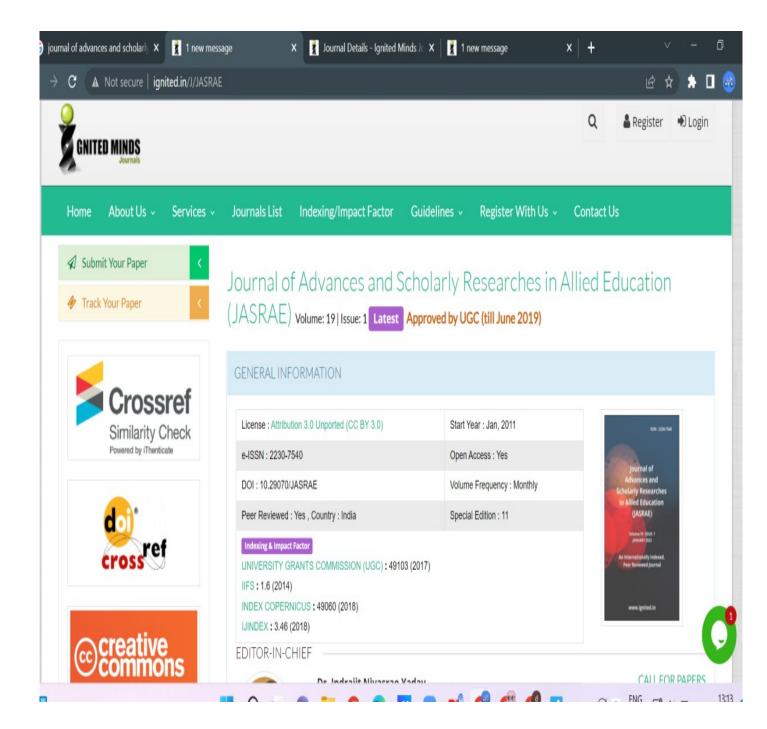
PARTITION FUNCTIONS THERMODYNAMIC PROPERTIES

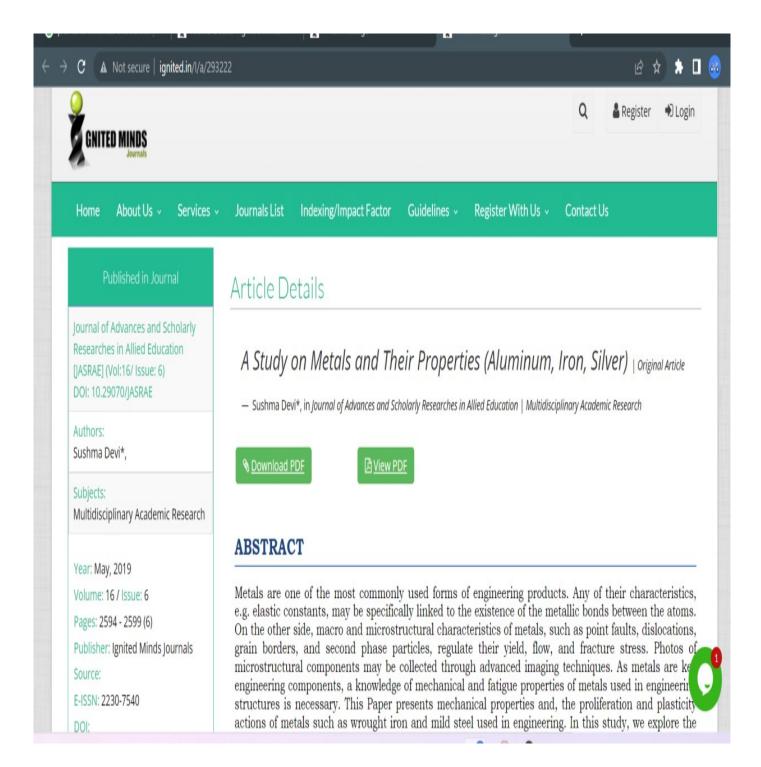
AND

Let us now explore how this notion of the most

as:

P Sus http://i http://ig 22 **UGC Approved** A Study On Metals Journal of Advances 2 h hm and their properties and Scholarly 0 30gnited.i nited.in/ (old) List of a ys Journals(No. **75** (aluminium, iron, **Researches in Allied** 1 n/J/JAS I/a/2932 Dev ic 9 silver) **Education** 40 49103) **RAE** <u>22</u>





Journal of Advances and Scholarly Researches in Allied Education Vol. 16, Issue No. 6, May-2019, ISSN 2230-7540

A Study on Metals and Their Properties (Aluminum, Iron, Silver)

Sushma Devi*

Assistant Professor, Department of Physics, Govt. P.G. College, Ambala Cantt. Haryana, India

Abstract – Metals are one of the most commonly used forms of engineering products. Any of their characteristics, e.g. elastic constants, may be specifically linked to the existence of the metallic bonds between the atoms. On the other side, macro and microstructural characteristics of metals, such as point faults, dislocations, grain borders, and second phase particles, regulate their yield, flow, and fracture stress. Photos of microstructural components may be collected through advanced imaging techniques. As metals are key engineering components, a knowledge of mechanical and fatigue properties of metals used in engineering structures is necessary. This Paper presents mechanical properties and, the proliferation and plasticity actions of metals such as wrought iron and mild steel used in engineering. In this study, we explore the knowledge regarding Metals and Their Properties like Aluminum, Iron and Silver.

Keywords: Properties, Metals, Aluminium, Silver, Iron

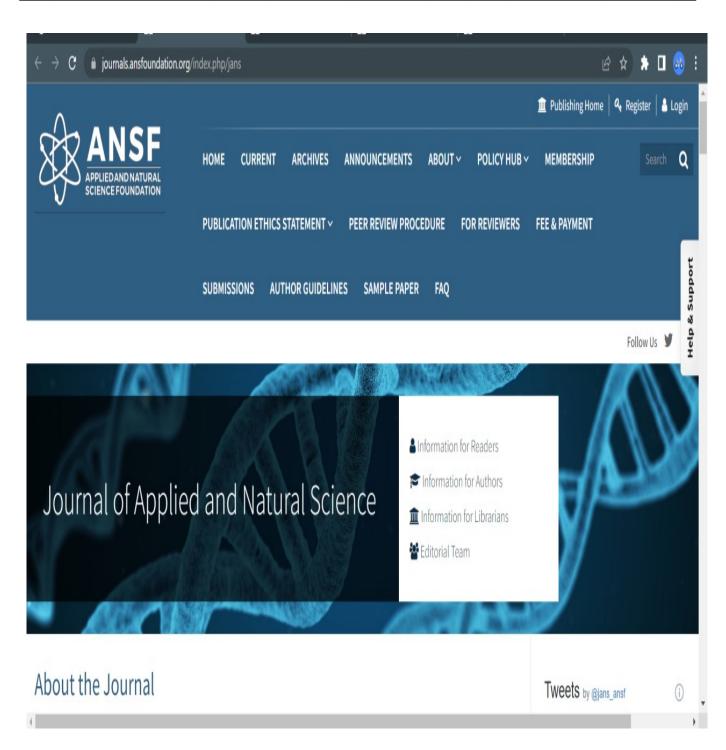
INTRODUCTION

Metals may be classified into two broader classes, ferrous and nonferrous, if seen in a broad way. The iron materials are focused on iron and the nonferrous materials have a part other than iron. The majority of part forces a products application of conserver.

for aluminium association. A short overview of the alloy classification scheme is given below.

- First digit alloy element(s).
- Second digit Original alloy variance

4	Evaluation of mass bathing effects on water quality status of eight prominent ponds of Haryana (India): A multi-location study	Pooja Devi	Zoology	Journal of Applied and Natural Science	2019	223 1- 520 9	https://journa ls.ansfoundati on.org/index. php/jans	https://jou rnals.ansfo undation.o rg/index.p hp/jans/art icle/view/2 044	S c o p u s
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Evaluation of mass bathing effects on water quality status of eight prominent ponds of Haryana (India): A multi-location study

PDF

Published Jun 10, 2019

https://doi.org/10.31018/jans.v11i2.2044

Pooja Devi

Government P.G. College, Ambala Cantt. (Haryana), India

Department of Zoology, Kurukshetra University, Kurukshetra, Haryana-136119, India Mohan P. George

Delhi Pollution Control Committee, ISBT Building, Delhi, India

Abstract

Amongst the various anthropogenic activities, mass bathing and other religious rituals also affect the water quality of aquatic ecosystem. The present research has been conducted to evaluate the impact of mass bathing and other religious activities on the eight famous religious water bodies of Haryana (Kapalmochan tirth, Kulotarn tirth, Ban-Ganga tirth, Brahmsarovar, Jyotisar, Saraswati tirth, Phalgu tirth and Pandu-Pindara tirth). The water samples were collected from three sampling stations (A, B and C) at each of the eight selected sites (S1 to S8) before and after the religious rituals and also seasonally. The samples were analyzed for Dissolved oxygen (DO), Biochemical Oxygen Demand (BOD), Chemical Oxygen Demand (COD) ammonia and heavy metals . The study highlighted the seasonal variations of physicochemical characteristics and also the effects of mass bathing and religious activities on water quality of the religious sites. Although the water was reported as safe in terms of DO content, total ammonia, BOD and the values of COD before the religious rituals but the values exceeded the maximum permissible limit {DO (0.8±0.1, 0.76±0.11), BOD (25.07±0.13, 18.13±0.13),COD (131.9±2.08), Ammonia (2.31±.23, 6.57±0.02) Iron (5890 µg L⁻¹) and Zinc (200 µg L⁻¹)} after mass bathing and religious rituals indicating that the water was not suitable for drinking as well as bathing purposes after the rituals/mass hathing. So, hathing during/after such rituals may become a health hazards to the hathers



@jans ansf

We are excited to announce our collaboration with Tamil Nadu Agricultural University to publish a special issue with a focus on 'Food, Farmers and Future: Envisioning Amassment of Regenerating and Nourishing Food'. Stay tuned more details in the coming days.



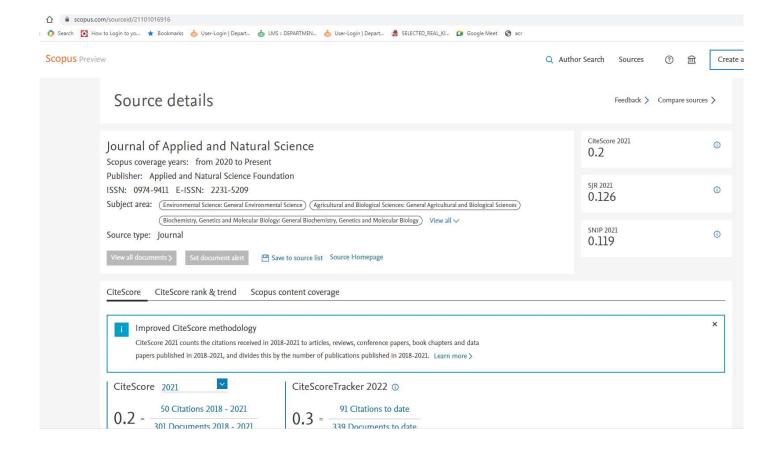


Apr 5, 2022

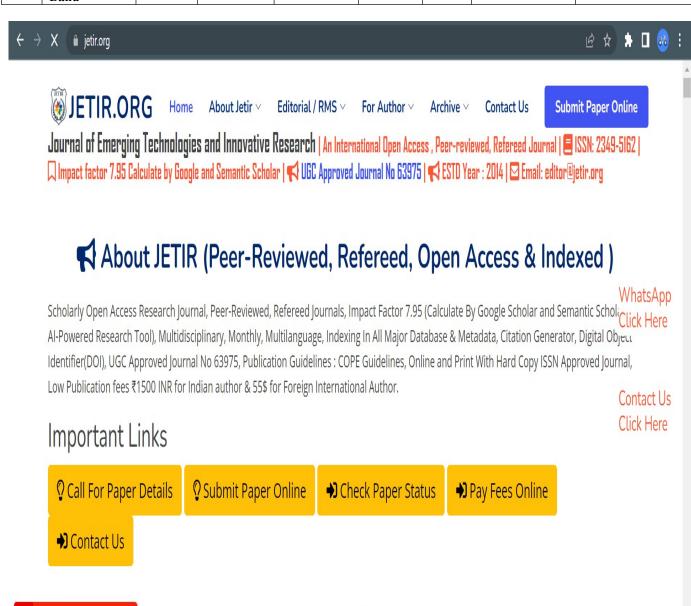


Journal of Applied and Natural Scier @jans_ansf

We are pleased to share that the March 2022 issue (Vol.14 Issue.1, 2022) of the Journal of Applied and Natural Science has been released

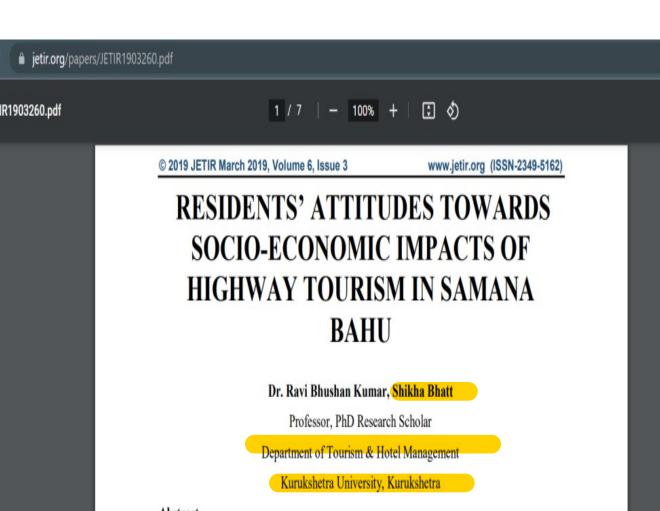


5	Residents'	Shikha	Tourism	Journal of	2019	2349-	https://www.jet	https://www.jetir.
	Attitudes	Bhatt		Emerging		5162	ir.org/	org/papers/JETIR
	Towards			Technologie				1903260.pdf
	Socio-			s and				
	economic			Innovative				
	Impacts of			Research				
	Highway							
	Tourism in							
	Samana							
	Bahu							



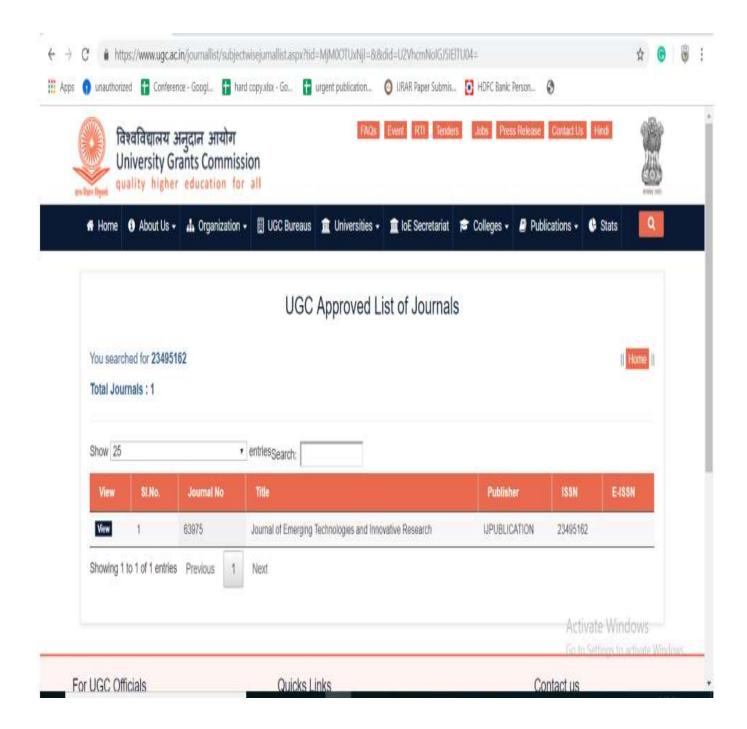
Waiting for www.jetir.org...

PROCESS AND IMPORTANT DATES



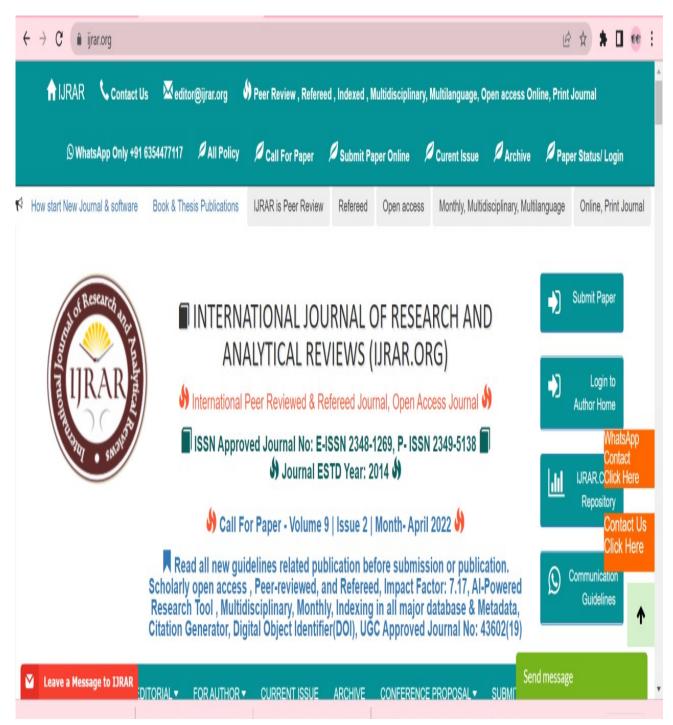
Abstract

This study aims to evaluate residents' attitudes towards perceived socio-economic impacts of highway tourism in Samana Bahu. Based on a survey of 111 households, residents' attitudes were evaluated by a 20-item highway tourism impact scale, which measures both positive and negative impact attributes. Mean and Standard deviation was used to evaluate residents' attitudes towards perceived socio-economic impacts of highway tourism. Further, Kruskal Wallis H Test was used to find difference among attitudes of residents of different length of residency towards perceived socio-economic impacts of highway tourism in the study area.



Undertaking	
It is certified that my publication "RESIDENTS' ATTITUDES TOWARDS SOCIO—"Session: ECONOMIC IMPACTS OF HIGHWAY TOURISM IN SAMANA RAHV 2018-19 with affiliation Department of Tourism was published while working as 2 Hotel Management Kunuksheton University kuruhsheton Assistant/Associate Professor in Govt. P. G. College. Ambala Cantt Haryana. With affiliation Department of Tourism was published while working as 2 Hotel Management Kunuksheton University kuruhsheton Signature	

6	Socio-	Shikha	Tourism	Internation	2019	2348-	https://www.ijr	https://ijrar.org/vi
	Economic	Bhatt		al Journal		1269	ar.org/	ewfull.php?&p_id
	Impacts of			of Research				=IJRAR19J1581
	Highway			and				
	Tourism at			Analytical				
	Murthal			Reviews				





SOCIO-ECONOMIC IMPACTS OF HIGHWAY TOURISM AT MURTHAL

Dr. Ravi Bhushan Kumar

Professor

Department of Tourism & Hotel Management Kurukshetra University, Kurukshetra

Ms. Shikha Bhatt

Ph.D. Research Scholar

Department of Tourism & Hotel Management

Kurukshetra University, Kurukshetra

Abstract

Tourism impacts means marked effect of tourism activities on the society, economy, local government and other stakeholders etc. which are frequently categorized as social, economic, environmental and political. Tourism has an impact on the standard of living of the host populace especially that of a developing economy. This research paper is about the social and economic impacts of tourism development at Murthal village of Haryana. It aims to study the socio-economic impacts of tourism development on the local community by comparing the socio-economic features of households who are working in the tourism sector on highway with the households who are not working in the tourism sector on highway.

Keywords: Socio-economic impact, Community based tourism, tourism development.

INTRODUCTION

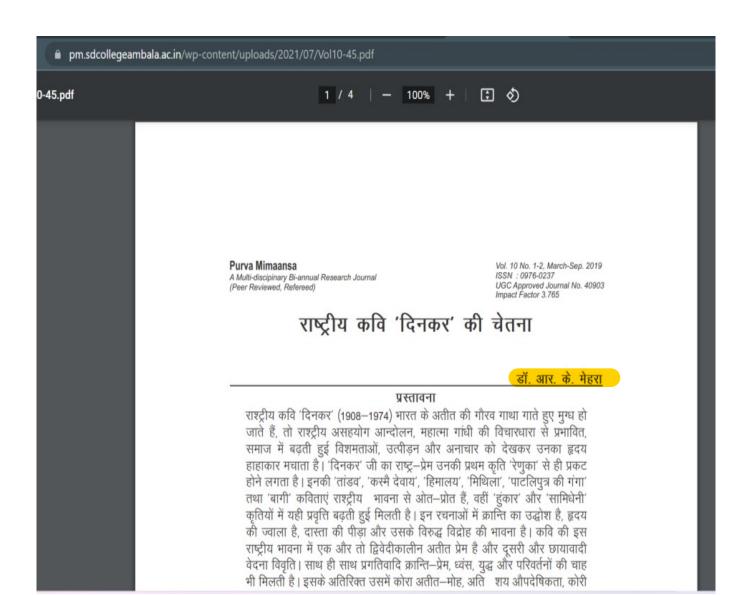
It is quite natural that whenever new elements are introduced in an area these brings several changes in socio-economic and spatial organization of the communities living in that area. It is expected that production and other economic activities are carried out more efficiently as the quality and capacity of a region's

Jac.

Undertaking	
It is certified that my publication "SOCIO-ECONOMIC IMPACTS OF HIGHWAY Session: TOURISM AT MURTHAL 2018-19, with affiliation Department of Townsmvas published while working as 2 Hotel Management- Kurukhleta University Kurukhleta Assistant/Associate Professor in Govt. P. G. College, Ambala Cantt., Haryana. Signature	9

7	राष्ट्रीय कवि दिनकर की चेतना	R K Mehra	Hindi	Purva Mimaansa	2019	0976- 0237	https://pm.sdco llegeambala.ac. in/	https://pm.sdcollegea mbala.ac.in/wp- content/uploads/2021/ 07/Vol10-45.pdf
								07/ v 0110-45.pa1





Vol. 10 No. 1-2, March-Sep. 2019 ISSN: 0976-0237 UGC Approved Journal No. 40903 Impact Factor 3.765

राष्ट्रीय कवि 'दिनकर' की चेतना

डॉ. आर. के. मेहरा

प्रस्तावना

राष्ट्रीय कवि 'दिनकर' (1908-1974) भारत के अतीत की गौरव गाथा गाते हुए मुग्ध हो जाते हैं, तो राष्ट्रीय असहयोग आन्दोलन, महात्मा गांधी की विचारधारा से प्रभावित, समाज में बढ़ती हुई विशमताओं, उत्पीड़न और अनाचार को देखकर उनका हृदय हाहाकार मचाता है। 'दिनकर' जी का राष्ट्र-प्रेम उनकी प्रथम कृति 'रेणुका' से ही प्रकट होने लगता है। इनकी 'तांडव', 'करमै देवाय', 'हिमालय', 'मिथिला', 'पाटलिपुत्र की गंगा' तथा 'बागी' कविताएं राष्ट्रीय भावना से ओत-प्रोत हैं, वहीं 'हुंकार' और 'सामिधेनी' कृतियों में यही प्रवृत्ति बढ़ती हुई मिलती है। इन रचनाओं में क्रान्ति का उद्धोश है, हृदय की ज्वाला है, दास्ता की पीड़ा और उसके विरुद्ध विद्रोह की भावना है। कवि की इस राष्ट्रीय भावना में एक और तो द्विवेदीकालीन अतीत प्रेम है और दूसरी और छायावादी वेदना विवृति। साथ ही साथ प्रगतिवादि क्रान्ति-प्रेम, ध्वंस, युद्ध और परिवर्तनों की चाह भी मिलती है। इसके अतिरिक्त उसमें कोरा अतीत-मोह, अति शय औपदेषिकता, कोरी नारेबाजी और विदेशी भावों का भारतीयकरण मात्र आदि वे कमियां नहीं हैं जो प्रायः इस युग के अन्य राष्ट्रीय काव्यों में आ गई हैं। सच तो यह है कि 'दिनकर' से पहले भी श्री बालकृष्ण भार्मा 'नवीन' ने उथल-पृथल मचाने की तरन छेड़ी थी लेकिन उनका आवेश दर्द की तरह उठा और आंसुओं की तरह गिरकर रह गया। 'भारत-भारती' में भी प्रथम राष्ट्र कवि मैथिलीशरण गुप्त जी ने भारत के नौजवानों को देश की परतन्त्रता दूर करने की उपदेश दिया है, लेकिन अनुभूति की जो तीव्रता और भावों की गतिशीलता क्रान्ति की पुकार में होती है, वह कोरे उपदेशों में नहीं होती। 'दिनकर' जी राष्ट्रीयता वास्तव में भाववादी राष्ट्रीयता है जिसमें चिंतन की संगति की अपेक्षा आवेग और आक्रोश है। परतन्त्रता के कारण अंग्रेजों के शोषण और अत्याचारों की प्रतिक्रिया का शक्तिशाली रूप 'दिनकर' के काव्य में दुष्टिपात होता है। 'दिनकर' जी ने हिंसा की प्रशस्ति के साथ-साथ महात्मा गांधी की विचारधारा से प्रभावित होने के कारण अहिंसा और विश्व-प्रेम का वर्णन भी अपने काव्य में किया है। जो उनकी राष्ट्रीयता, अंतरराष्ट्रीयता अर्थात मानवतावाद में परिणत होने का प्रयास करती है। 'दिनकर' उस पुनरूत्थानवादी काव्यधारा के कवि है जो भारतेन्दु से प्रारम्भ होकर छायावादी काव्य में व्यक्त हुई है। जिस प्रकार जयशंकर प्रसाद जी ने चन्द्रगुप्त के माध्यम से प्राचीन पात्रों में कर्म और भाक्ति का सौंदर्य दिखाया है, उसी प्रकार 'दिनकर' ने भीष्म और परश्राम के माध्यम से कर्म और क्रान्ति का प्ररेक वर्णन किया है। भाक्ति और क्रान्ति का जो वेग खुलकर 'दिनकर के काव्य में व्यक्त हुआ है, वह अन्यत्र नहीं। निसंदेह 'दिनकर' का काव्य राष्ट्रीयता, अंतरराष्ट्रीयता, मानवता, भावनाशीलता और वैचारिकता का अद्भूत समन्वय है।

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शांति संदेश वाहक कोलाज कलाकार वेंकटरमन बालू का कलात्मक काव्यकूट

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साहित्य, शिक्षा, बाणिज्य, मानविकी विद्यान एवं सभी विषयों की

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रणदीय सिंह शोधार्थी

ललित कला विभाग

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एक ऐसी भाव आकृति, जिसमें छापाचित्रों, समाचार-पत्र, पत्रिकाओं की कतरनों, कपढ़े के टुकड़ों आदि को किसी भी सतह जैसे कागज, कैनवास प्लाई बोर्ड, गत्ते आदि पर एक दूसरे के नजदीक चिपकाया जाता है। इस प्रकार कागजों व लकड़ों के टुकड़ों आदि के प्रवंधन से निर्मित जिस कलाकृति का सृजन होता है। उसे कोलाज कहा जाता है। दक्षिण भारत ने देश को अनेक राष्ट्रीय-अन्तर्राष्ट्रीय ख्याति प्राप्त कलाकार प्रदान किये हैं, जिनमें वेंकटरमन बालू भारतीय कोलाज कला क्षेत्र में एक ऐसा हस्ताक्षर हैं, जिन्होंने अपने कोलाज कार्य के माध्यम से अनेकों बार भारत का प्रतिनिधित्व किया व अपनी कोलाज शृंखलाओं में कागजों की कतरनों के माध्यम से उन्हें अपनी अभिव्यक्ति प्रदान की गई है। वेंकटरमन बालू भारत में उन कलाकारों की पंक्ति में एक बढ़ा हस्ताक्षर हैं, जिन्होंने भारत में कोलाज कला की जहें तलाशने की कोशिश की गई है।

कोलाज का ऐतिहासिक समारम्भ आज से लगभग 800 ई॰ पू॰ शुक्रआती दौर में जापानी किंव तथा कलाकारों द्वारा अपनी व्याख्यात्मक किंवताओं की पृष्ठभूमि पर कागज चिपकाने के माध्यम से हुआ।' कोलाज कला क्षेत्र में कागज के अविष्कार ने महत्त्वपूर्ण योगदान प्रदान किया जिसकी खोज 105 ई॰ में चीन के तस अिय लुन के द्वारा की गई।' कोलाज का अर्थ है चिपकाना, अर्थात् किसी भी कागज, कपदे आदि को काटकर या फाइकर किसी चित्रभूमि पर चिपकाकर बनाई गई कलाकृति को कोलाज कहा जा सकता, किन्तु ललित कला के क्षेत्र में कागज फाइने और चिपकाने की इस विधा का वास्तविक परिचय



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आकृति ऐस्पिशनस ऑफ पीस वॅकटरमन वाल्

संस्कार चेतना, अन्तरराष्ट्रीय मूल्यांकित शोध पत्रिका

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