

MIRZA GHALIB COLLEGE, GAYA

A DEFICIT GRANT MINORITY COLLEGE

Affiliated to Magadh University, Bodh Gaya




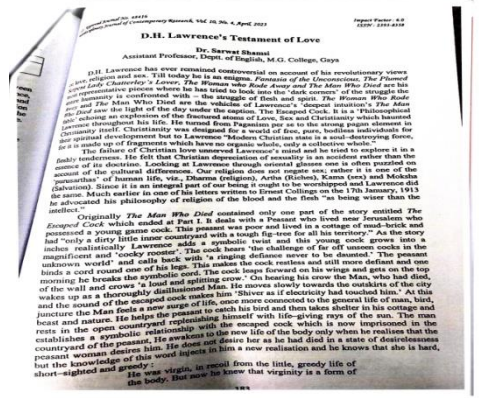
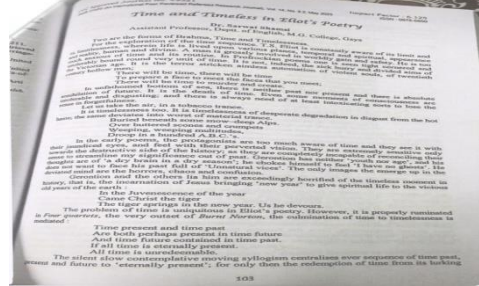
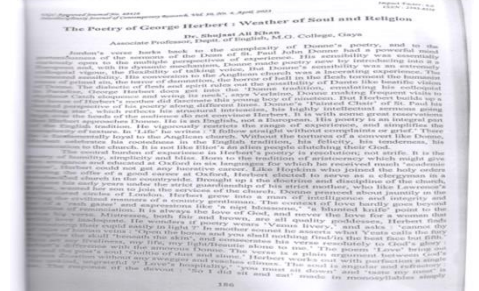
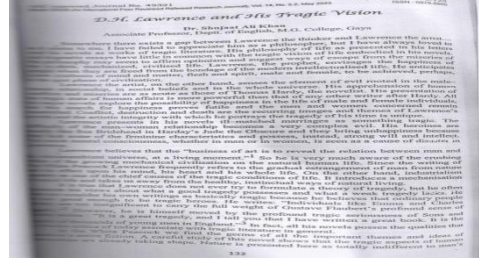
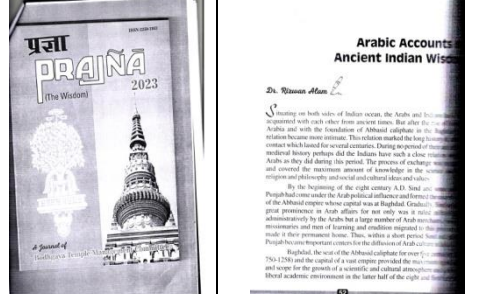
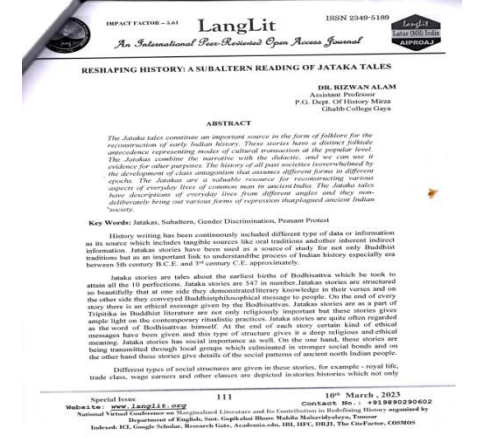
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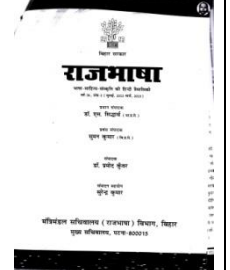

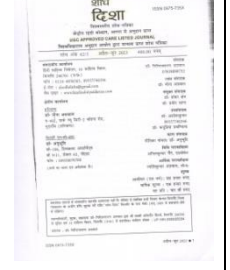

SSR



*3.3.1 Number of research papers published
per teacher in UGC journals during last five
years.*




3.3.1 Number of research papers published per teacher in the Journals notified on UGC CARE list during the last five years




2022-2023								
Title of paper	Name of the author /s	Department of the teacher	Name of journal	Calendar Year of publication	ISSN number	Link to the recognition in UGC enlistment of the Journal /Digital Object Identifier (doi) number		
						Link to website of the Journal	Link to article / paper / abstract of the article	Is it listed in UGC Care list
Revolutionising Marketing : Leveraging Blockchain and AI for Impactful Management.	Dr. Sadat Karim	BBA	STM Journal	2023	2454-9347		https://doi.org/10.37591/ecft.v10i3.675	
Hindu, Isai tatha Islam Dharm Main Upasnavam Prarthana, Ek Tulnatmak addhyan.	Dr. Naazni Begum	Philosophy	Aksharwarta International Multidisciplinary Research Journal	2023	2349-7521	https://www.aksharwartaajournal.page/	https://www.aksharwartaajournal.page/2023/01/aksharwarta-international-research.html	
ENGAGING JAINISM WITH CONTEMPORARY ISSUES			INTERNATIONAL JOURNAL OF RELIGIOUS THOUGHT, AL-MUSTAFA NIVERSITY, IRAN	2023	2319-2291	https://almustafa.co.in/pages/research-journals.php	https://almustafa.co.in/pages/upload/research/journals/pdf/HUMAN%20RIGHT%20ENGLISH%20VOL%2019.pdf	
GANHDI'S PHILOSOPHY OF NON-VIOLENCE WITH SEPECIAL REFERENCE TO SOCIETY	Dr. Sarim Abbas	Philosophy	INTERNATIONAL JOURNAL OF SOCIAL STUDIES & HUMANITIES, GUJRAT	2023	2277-7458		<div style="text-align: right;">1</div>  <p>INDIAN JOURNAL OF SOCIAL STUDIES AND HUMANITIES Vol. 1 (19) Jan-March 2024 ISSN No. 2277-7458</p> <p>Gandhi's Philosophy of Non-violence with special reference to Society</p> <p>Sarim Abbas Assistant Professor, Department of Philosophy Mirza Ghidib College, Gaya (Bihar)</p> <p>Abstract</p> <p>An essential contribution has been by the philosophy of non-violence that has evolved mostly during the twentieth century to all theories of legitimate evolutionary social change. The paper presents a comparative, cross-cultural exploration of Peace and Non-violence study. The said paper will discuss several ways in which this concept of non-violence, peace, moral values and ethics could reveal new insights. The concern of Gandhi was not limited to any nation but global one. Apart from his interest in social reforms he wanted some real change in society which according to him can only be achieved through a change in the understanding of the individual. Society is a general term and social beings express their nature by making a group that controls and directs their behavior in many ways. As Plato's perfect society looks like, in The Republic, justice means harmony and balance among the various sections of the psyche, so the rational part of an individual governs the emotional and instinctual parts. He explains that this is a way to change the structure of society and thus changing the way of life. We would also highlight a few common elements for their comparative analysis to reconcile non-violence concepts with Indian ethical views, especially in the existential framework. Efforts would be made to explore how certain Philosophy of non-violence have translated their specific terminology into Indian pursuit of individual happiness and how such process has impacted cross-cultural dialogue. We, at first, would try to establish the close similarity between the ontological view of the self and the existential ontological views on it. The paper would further examine whether Gandhi fully believed that while non-violence had an exceptional power to protect and disrupt, its core value was to create and rebuild. The virtue of non-violence is that it is a humanistic concept of compassion, have any resonant moral parallels and some modes through which these moral values could be of service to each other. Religious or ethical beliefs and political analysis have been a constant source of inspiration for all forms of non-violence. All religions unanimously believe in the power of non-violence and the adverse effects of violence. Some religions speak of Ahimsa whenever convenient, but they don't offer loyalty to this concept. For sake of the profession, the present age is full of machines, intense efficiency and service, denser and faster communication but less and less oriented to existing human concerns and relations. Philosophy of non-violence clarified the connection of the individual to the society. According to Gandhi that no social reform, control, government or any political system can establish a prosperous, harmonious or non-violent society if the people are aggressive, violent, hateful, egoistic. The implication of such a cross-cultural debate and radicalisation can hardly be emphasized in this era.</p> <p>Keywords: Society, Non-violence, Peace, Ethics, Humanistic, Ahimsa</p> <p>"Gandhi was fully committed to the belief that while non-violence had an impressive power to protest and disrupt, its real power was to create and reconstruct." (Nagler, 2010, p. 4)</p> <p>Introduction</p> <p>In exploring these values, the paper may seem to be part of a research and part of a general study of useful ways to continuing the fruitful cross-cultural philosophical dialogue required by our times. Violence is one of the phenomena of modern life that is most frequently deplored. All would like it to be reduced or eliminated. A criticism of violence is non-violence. It rejects its iniquities and inconsistencies. Violence is a power that escapes the</p> <div style="text-align: right;">64</div>	
Enhanced luminescence and photocatalytic activity of the Monovalent - Sodium (not) condensed Nano Structures	Dr. Mohd. Faizan	Physics	Indian Journal of Pure and applied Physics	2023	0019-5596	https://or.niscpr.res.in/index.php/IJPAP/index	https://or.niscpr.res.in/index.php/IJPAP/article/view/5932	Scopus


D.H. Lawrence's Testament of Love	Dr. Sarwat Shamsi	English	Interdisciplinary Journal of Contemporary Research	2023	2393-8358	https://www.ijcjrjournals.com/cms/		Yes
Time and timeless in Eliot's Poetry			Shodh Drishti	2023	0976-6650	49321 https://www.shodhdrishti.com/		Yes
the Poetry of George Herbert : Weather of Soul and Religion	Dr. Shujat Ali Khan	English	Interdisciplinary Journal of Contemporary Research	2023	2393-8358	https://www.ijcjrjournals.com/cms/		Yes
D.H. Lawrence and His Tragic Vision			Shodh Drishti	2023	0976-6650	49321 https://www.shodhdrishti.com/		Yes
Family of hybrid mappings and their fixed point in convex spaces under diametral & distances	Dr. Ladley Khan	Mathematics	Savajevo Mathematics Journal	2023	1840-0655	Scopus & UGC Care https://www.anubih.ba/Journals/ volume s.html	https://www.anubih.ba/Journals/ volumes.html	Yes
Arabic Accounts on Ancient Indian Wisdom			Prajana, A Journal of Bodhgaya Management Committee	2023	2250-1983	Offline		Yes
Reshaping History : A Subaltern Reading of Jataka Tales	Dr. Rizwan Alam	History	LangLit An international Peer Reviewed Journal	2023	2349-5189	https://langlit.org/		Yes

Manoos Sheh Sarami Shakhs Aur Shayar	Dr. Akram Waris	Urdu	Zabanoadab (Patna)	2023	2646-9175			
Chhayawad Aur Prasad Ki Kavya Rachna Lahar	Dr. Ibarar Khan	Hindi	Raj Bhasha, Bihar	2023				
Rahim Ka Kavya Aur Uski Prasangikta			Shodh Disha	2023	0975-735X	http://kavitakosh.org/kk/%E0%A4%B6%E0%A5%8B%E0%A4%A7%E0%A4%A6%E0%A4%BF%E0%A4%B6%E0%A4%BE (%E0%A4%B6%E0%A5%8B%E0%A4%A7%E0%A4%85%E0%A4%82%E0%A4%95) %E0%A4%AA%E0%A4%A4%E0%A5%8D%E0%A4%B0%E0%A4%BF%E0%A4%95%E0%A4%BE		
Employment crisis and decent work deficits for youth in India	Mr. Kashif Mansoor	Economics	Journal of social and economic development (Springer)	2023	0972-5792	Home Journal of Social and Economic Development (springer.com)	Scopus https://doi.org/10.1007/s40847-023-00294-5	
Effect of Chlorpyrifos on Male Reproductive System specially in Sperm Count and Morphology of Sperm Cell in Experimental Animal (Swiss Albino Mice)	Dr. Aftab Ahmad Khan	Zoology	Proceeding of Zoological Society of India	2023	0972-6683	https://www.connectedjournals.com/pzsi	10.59467/PZSI.2023.22.223	


Title of paper	Name of the author /s	Department of the teacher	Name of journal	Calendar Year of publication	ISSN number	Link to the recognition in UGC enlistment of the Journal /Digital Object Identifier (doi) number		
						Link to website of the Journal	Link to article / paper / abstract of the article	Is it listed in UGC Care list
Urdu mein dalit afsana 1980 ke baad	Dr. Abu Huzaifa	Urdu	Urdu Duniya	2022	2249 - 0639			
Jadid urdu ghazal ka meymar-Sultan Akhtar	Dr. Ehsanullah Danish	Urdu	Zaban-o-Adab	2021		https://biharurduacademy.in/magazine.html	https://biharurduacademy.in/magazine.html	
A study of environmental climatic challenges in Bihar	Dr. Reshma Perween	Botany	International journal of current research	2021	0975 - 833X	WELCOME TO IJCR International Journal of Current Research (journalcra.com)	https://doi.org/10.24941/ijcr.41503.06.2021	
Tracing the link between Islam & Politics and Its Impact on Muslim Community	Dr. Salma Zafar	Political Science	World Focus	2022	2230 - 8458	https://worldfocus.in/current_issue?key=462&val=Religion-and-Revolution	https://www.worldfocus.in/	
India & China's Engagement in West Asia: Potentials of Soft Power Expansions			World Focus	2022	2230 - 8458	https://worldfocus.in/current_issue?key=460&val=Political-Unrest-in-MENA-and-Challenges-for-India	https://www.worldfocus.in/	
Aatmnirbhar Bharat: Saidhantik avam prashasnik Pariprechhya	Dr. Md. Qayum	Political Science	Bihar Journal of Public Administration	2021	0974 - 2735	http://www.iipabiharbranch.org/	http://www.iipabiharbranch.org/	
Fixed point theorem for nonself mappings satisfying contraction condition of integral type in metrically convex spaces	Dr. Ladlay Khan	Mathematics	Proceedings of IAM	2021		http://www.iamj.aiz/Files/Contents%20V.10.%20N.1.%202021/2laday.pdf		
Family of hybrid pairs of mappings and their fixed point in convex spaces under			Annals of mathematics and computer science	2022	2789 - 7206	Annals of Mathematics and Computer Science (annalsmcs.org)	https://annalsmcs.org/index.php/amcs/article/view/51	

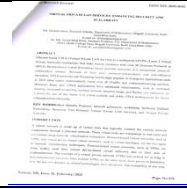
diametral δ -distances								
Hybrid pairs of nonself multiple valued mappings in metrically convex spaces			Southeast Asian Bulletin of Mathematics	2022	2225 - 0530	https://www.seams-bull-math.ynu.edu.cn/	https://web.s.ebscohost.com/abstract?direct=true&profile=ehost&scope=site&authtype=crawler&jrnl=01292021&AN=157743090&h=HAmBp1cQmcb7kWNn431d2%2bRmMxUzUhyj9iZNEUmoUzshfGW0fBVI8iA6fVEP2fO36ba9IzgnDQq2FRMNcg2Og%3d%3d&crl=c&resultNs=AdminWebAuth&resultLocal=ErrCrlNotAuth&crlhashurl=login.aspx%3fdirect%3dtrue%26profile%3dehost%26scope%3dsite%26authtype%3dcrawler%26jrnl%3d01292021%26AN%3d157743090	https://www.seams-bull-math.ynu.edu.cn/
Analysis of Virtual Networks for Secure IP VPN Environments with IPSec	Dr. Md. Jawed Iqbal Khan	Mathematics	Journal of Scientific & Engineering Research	2022	2229 - 5518	www.ijser.org	www.ijser.org	
Optimization of Flexibility in Virtual Networks for Secure IP VPN Environments			International Journal of All Research Education and Scientific Methods	2022	2455 - 6211	https://www.ijaresm.com/uploaded_files/document_file/Md._Dilshad_Ghani_CegC.pdf	www.ijaresm.com	
One-pot Michael addition and cyclo-elimination cascade synthesis of thiazolo-[4,5-b]pyridin-6carbonitrile scaffold.	Dr. Akeel Ahamd	Chemistry	Indian Journal of Chemistry	Jul-05	0975 - 0983	DOI:10.56042/ijc.v6i1i0.59435	DOI:10.56042/ijc.v6i1i0.59435	
Gohuan (Upanyas) Aur Adivasi Stree ka Vidroh	Dr. Ibarar Khan	Hindi	Vivek Research Journal	2022	2581 - 8848	http://vivekresearchjournal.org/current_issue/nmarch2022/28%20Ibarar%20khan.pdf	http://vivekresearchjournal.org/index.html	
Hindi Ki Vyang Pradhan Ghazle	Dr. Zeaur Rahman Jafri	Hindi	Jankriti	2022	2454 - 2725	https://jankriti.com/old-issue/	https://jankriti.com/	
Hindi Ghazal Main Fikr Aur Zikr			Jankriti	2022	2230 - 9209			
Premchand Ki Dalit Dastak			Veena	2022	2230 - 9209			
Prasad Ki Chhayavadi Ghazal			Naval	2022	2394 - 322X			




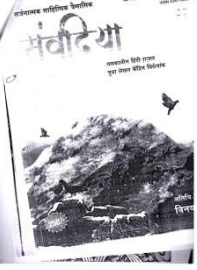

Dinkar Ki Kavitaon Main Unka Jivan Shaghars			Sanvadiya	2022	2347 - 5293			
राष्ट्रीय एकता का सवाल और अब्दुल बिस्मिल्लाह का लेखन	Dr. Nushrat Jabeen Siddiquee	Hindi	PURVOTTAR PRABHA	2022		http://supp.cus.ac.in/index.php/Poorvottar-Prabha	http://14.139.206.50:8080/jspui/handle/1/7515	
Rumi and Kabir Universal Religion and composite culture	Dr. Sarim Abbas	Philosophy	Dabeer	2022	2394 - 5567	https://ugccare.unipune.ac.in/Apps1/User/WebA/SearchList	 	Yes
Status of Employment and Occupations of Muslims in India	Dr. Kashif Mansoor	Economics	Journal of Muslim Minority Affairs	2022	1360 - 2004	https://www.tandfonline.com/journals/cimm20	https://doi.org/10.1080/13602004.2022.2032900	
Minimum wage compliance and household welfare			World Development	2021	0305 - 750X	https://www.sciencedirect.com/journal/world-development	https://doi.org/10.1016/j.worlddev.2021.105653	
studies on the changes in the activities of adrenocortical tissues and haematochemistry in a teleostean fish, mystus vittatus subjected to heavy metal intoxication	Dr. Md. Shalim	Zoology	Proc. Zool. Soc. India	2021	0972 - 6683	https://www.connectjournals.com/to-c.php?aid=Md.%20Shalim&bookmark=CJ-037285&volume=21&issue_id=01&month=June&year=2022	https://connectjournals.com/pages/journaldetails/CJ-037285/volumelist	
Studies on proximate composition and calorific values in few organs in relation to body weight in a teleostean fish, Mystus cavasius (Ham.)				2022		https://connectjournals.com/pages/journaldetails/CJ-037285/volumelist		


Chlorpyrifos induced effect on the biochemical parameters of the vital organ of experimental animal model	Dr. Aftab Ahmad Khan	Zoology	Proc. Zool. Soc. India	2022	0972 - 6683 2456 - 8589	https://www.connectjournals.com/pzsi	https://connectjournals.com/pages/journaldetails/CJ-037285/volumelist
Simazine Induced Impairment on Histopathological Changes in the Oesophagus of MUD EEL Fish <i>Mastacembelus Armatus</i> (LAC)	Dr. Md. Abul Fatah	Zoology	Proc. Zool. Soc. India	2022	0972 - 6683 2456 - 8589	https://www.connectjournals.com/pzsi	https://connectjournals.com/pages/journaldetails/CJ-037285/volumelist
Early Arab Accounts on Indian Religion and Sects	Dr. Rizwan Alam	History	Byeond Disciplines	2022	2250 - 3420		
Shankar Avam Madhyamik Bodh Avadharna main satteek tulnatmak anushilan	Dr. Naazni Begum	Philosophy	Quest Journal	2022	2321 - 9467		https://www.questjournals.org/irhss/papers/vol10-issue12/10122026.pdf
India's Trade Relation with its Neighbours	Dr. Pervez Wahab	Commerce	IJFANS	2022	2320 - 7876		



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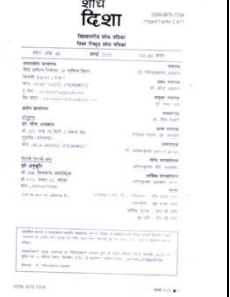




Title of paper	Name of the author/s	Department of the teacher	Name of journal	Calendar Year of publication	ISSN number	Link to the recognition in UGC enlistment of the Journal /Digital Object Identifier (doi) number		
						Link to website of the Journal	Link to article / paper / abstract of the article	Is it listed in UGC Care list
Effect of Globalisation on Indian Life Insurance Market	Dr. Pervez Wahab	Commerce	Bohal Shodh Manjusha, Bhiwani, Haryana	September 2020. Vol . 12	2395-7115	https://bohalshodhmanjusha.com/contact-us/		
Qazi Abdussatar Afsana Nigari ki Jayza	Dr. Abu Huzaifa	Urdu	Sadaq Urdu	Mar-21	2321-1601			
Amawas meai Khwab Qubrani ki Anokhi Dastan			Adbi Miras (Online)	23 Sept. 2021		https://adbimiras.com/#google_vignette		
Badar Aurangabadi Ka Nazariya-e-Tanqeedi Usool	Dr. Shafquat Rana	Urdu	Saghar-E-Adab Muzaffarpur	July - 2021	2582-3612	http://saghareadab.in/	V - 3, ISSUE - 10 - Google Drive	Yes
Jadid Urdu Ghazal Ka Meamar-Sultan Akhtar	Dr. Ehsanullah Danish	Urdu	Tarjihaat	October 2021	2583-0082	https://www.worlurdurmp.com/	شمارہ گذشتہ : Archives - World Urdu Research & Publication (Tarjihaat / ترجمیات)	
Phytotoxic effects of leaves of Parthenium Hysterophorus L.	Dr. Md. Minhaj Alam	Botany	International Journal of Mendel	Vol - 35 (1.2) 2020	0970-9649	https://www.journalmendel.com/new-addition.html	https://www.journalmendel.com/volume35-20182019.html	
भारत में पर्यावरणीय राजनीति एवं पर्यावरण संरक्षा: चुनौतियां एवं समाधान	Dr. Md. Ali Hussain	Political Science	Bihar Journal of Public Administration	January - June 2020	0974-2735	http://www.iipabiharbranch.org/journals.htm	Complete BJPA Vol. XVII No. 1 - 2020.pdf (iipabiharbranch.org)	
MECHANISM OF POLLUTION CONTROL: A STUDY OF POLLUTION CONTROL BOARDS	Dr. Madhu Bala	Political Science	BIHAR JOURNAL OF PUBLIC ADMINISTRATION	January - June 2020	0974-2735	http://www.iipabiharbranch.org/journals.htm	Complete BJPA Vol. XVII No. 1 - 2020.pdf (iipabiharbranch.org)	
सतत गरीबी बनाम सतत विकास: बिहार के सन्दर्भ में एक अध्ययन	Dr. Md. Qayum	Political Science	BIHAR JOURNAL OF PUBLIC ADMINISTRATION	January - June 2020	0974-2735	http://www.iipabiharbranch.org/journals.htm	Complete BJPA Vol. XVII No. 1 - 2020.pdf (iipabiharbranch.org)	
Fixed point theorem for Non-Self Mappings Satisfying Contraction condition of Integral Type in Metrically Convex Spaces	Dr. Ladlay Khan	Mathematics	Proceeding of the institute of applied Mathematics	2021	2225-0530	https://iamj.az/	https://iipam.uniud.it/online_issue/202248/58%20LadlayKhan.pdf	

Indentificatio n of Key regulators in parathyroid	Dr. Md. Jawed Ikb al Khan	Math emati cs	Bioinformati on, Discovery at the Interface of Physical and Biological Sciences	2020	0973- 2063	<a href="https://bioinform
ation.net/">https://bioinform ation.net/	<a href="https://www.bioinformation.net/016/97320630
016910.pdf">https://www.bioinformation.net/016/97320630 016910.pdf	
Virtual Private Lan Services : Enhancing Security and Scalability			Aut Aut Research Journal	2021	0005- 0601	<a href="https://autri.com
/">https://autri.com /		
Spiro- heterocycles: A convenient synthesis and antimicrobial activity	Dr. Akeel Ahamd	Chemi stry	Indian Journa of Chemistry Vol - 60B,	Novem br 2021	0975- 0983	<a href="https://or.niscpr.
res.in/index.php/
IJC">https://or.niscpr. res.in/index.php/ IJC	<a href="https://nopr.niscpr.res.in/bitstream/123456789/58510/1/IJC%20
(Section%20B),%2060B,%201490-1495%20(Nov,2021).pdf">https://nopr.niscpr.res.in/bitstream/123456789/58510/1/IJC%20 (Section%20B),%2060B,%201490-1495%20(Nov,2021).pdf	
An efficient synthesis of 1, 4- disubstituted - 3 methyl pyrazolo {4, 3- e}-pyrido [1,2- a] pyrimidines via Michael addition and cycloeliminatio n reactions			Indian Journa of Chemistry Vol - 60B,	Septem ber 2021	0975- 0983	<a href="https://or.niscpr.
res.in/index.php/
IJC">https://or.niscpr. res.in/index.php/ IJC	http://op.niscpr.res.in/index.php/IJC/article/view/38835	
Tunable luminescence in Ce3+/ Mn2+ co- doped ZrO2 nanophospho r integrated with theoretical studies on possible (ZrO2)n clusters using DFT method	Dr. Mohd. Faizan	Physic s	Journal of Alloy and Compounds, 853, 157378, 2021	28 Septem ber, 2020	0925- 8388	<a href="https://www.scie
ncedirect.com/jo
urnal/journal-of-
alloys-and-
compounds">https://www.scie ncedirect.com/jo urnal/journal-of- alloys-and- compounds	https://doi.org/10.1016/j.jallcom.2020.157378	
Intrinsic structural distortion assisted optical and magnetic properties of orthorhombic rare-earth perovskite La1- xEuCrO3: Effect of t-e hybridization			Journal of Alloy and Compounds, 850, 156748, 2021	19 August, 2020	0925- 8388	<a href="https://www.scie
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urnal/journal-of-
alloys-and-
compounds">https://www.scie ncedirect.com/jo urnal/journal-of- alloys-and- compounds	https://doi.org/10.1016/j.jallcom.2020.156748	
FTIR and FT- Raman spectra of 6- (dimethylami no)purine and its theoretical studies of anharmonic vibrational analysis using quantum chemical calculations			Vibrational Spectroscop y, 113, 103224,2021	02 Februar y, 2021	0924- 2031	<a href="https://www.scie
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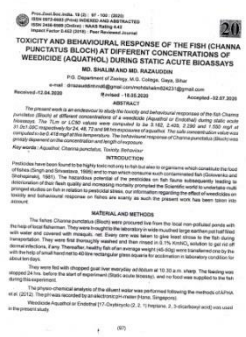

Experimental and computational investigation of novel dihydrated organic single crystal of 2,4,6-triaminopyrimidine and 3,5-dinitrobenzoic acid: Linear and nonlinear optical response with limiting performance			Journal of Solid State Chemistry, 300, 122255, 2021	3 May, 2021	0022-4596	https://www.sciencedirect.com/journal/journal-of-solid-state-chemistry	https://doi.org/10.1016/j.jssc.2021.122255
Z-scan screening of proton-shifted monohydrated organic salt: the linear, nonlinear, and optical limiting characteristics for photonic applications			Journal of Materials Science: Materials in Electronics, 32, 28750-28764	28 October, 2021	0957-4522	https://link.springer.com/journal/10854	https://link.springer.com/article/10.1007/s10854-021-07258-7
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'हिन्दी ग़ज़ल में फ़िक्र और ज़िक्र'			समसामयिक सृजन	June, 2021	2320-5733	https://cuhimachal.ac.in/admin/assets/uploads/researchPublications/20230402162003095b2048d8.pdf	https://cuhimachal.ac.in/admin/assets/uploads/researchPublications/20230402162003095b2048d8.pdf
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Sajha Sanskriti ke Mul Mein Nimnwarng Evam Muslim Rajniti	Dr. Nushrat Jabeen Siddiquee	Hindi	Jankriti	April-May, 2021	2454-2725	http://www.jankriti.com/	

Bhumandalika ran Ki Prakirya Se Sangharsh Karta Adiwasi Samaj			International Journal of Research in Hindi	2021	2582- 3493	<a href="http://www.hindi
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The Concept of Peaceful Co-existence in Imam Khamenei and Sartre's Ethics	Dr. Sarim Abbas	Philos ophy	JCTBIT Journal, Sultanate of Oman	2020	2521- 3288	http://jctbit.com	<a href="http://jctbit.com/wp-content/uploads/2021/05/002-Dr.-Sarim-N-
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Rumi: Universal Religion and Composite Culture			<a href="https://www.gre
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religion-and-
composite-
culture">Online PortalsURL- https://www .greaterkash mir.com/tod ays- paper/op- ed/rumi- universal- religion-and- composite- culture	2021	Online Portal	<a href="https://www.gre
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Minimum wage compliance and household welfare An analysis of over 1500 minimum wages in India	Dr. Kashif Mansoor	Econo mics	World Developmen t (Elsevier)	2021	0305- 750X	<a href="https://www.scie
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development">https://www.scie ncedirect.com/jo urnal/world- development	https://doi.org/10.1016/j.worlddev.2021.105653	
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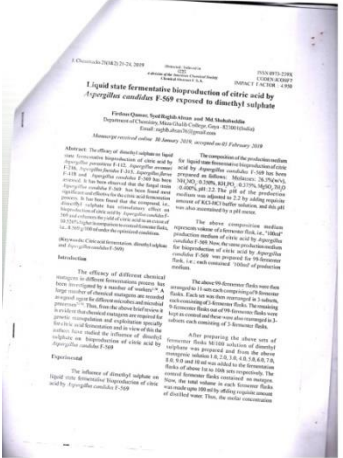
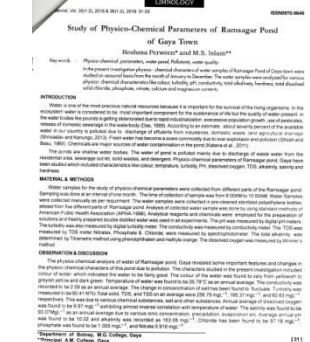
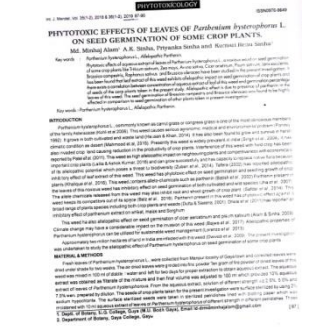
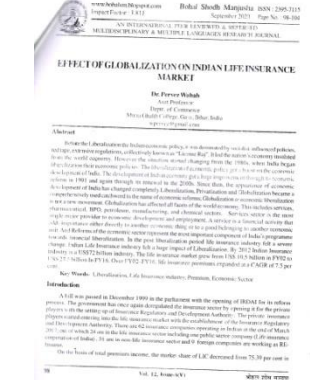
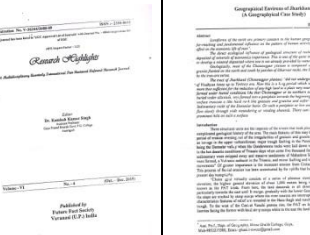
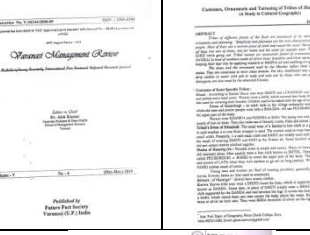

Women Empowerment in Muslim Community	Ms. Ayesha Zameer	English	Bihar Eraqui Millat Committee	2021				
Kahnaiya Lal Kapoor Ek Mukhtasar Jaiya	Dr. Nishat Fatma	Urdu	TAHQEEQ	2020				
Ashraf Fareed Ne Urdu Tahreek Ko Nayi Zindagi Ata Ki			QUAMI TANZEEM	2021		https://www.gaumitanzeem.com/	https://www.gaumitanzeem.com/	

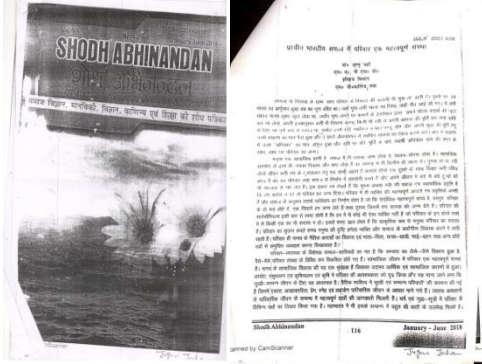
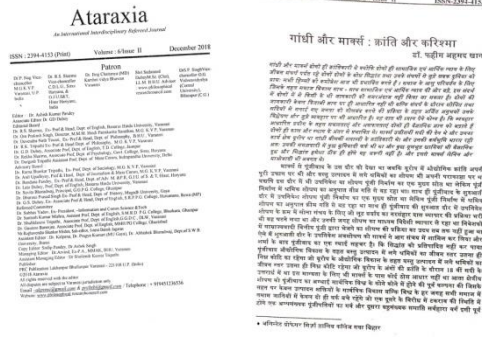
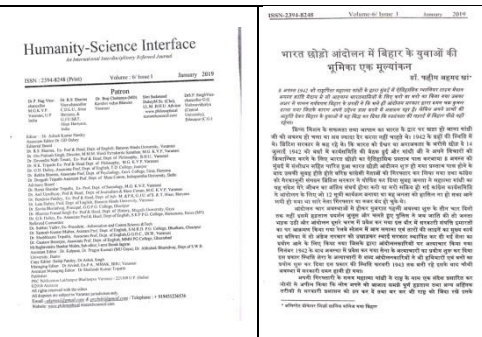
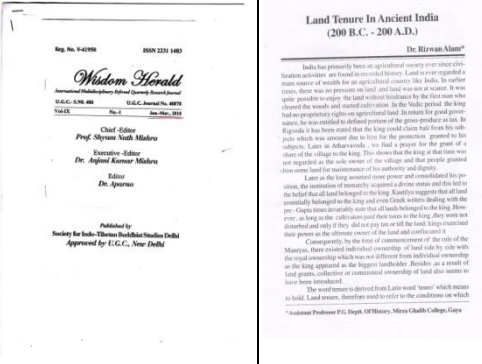
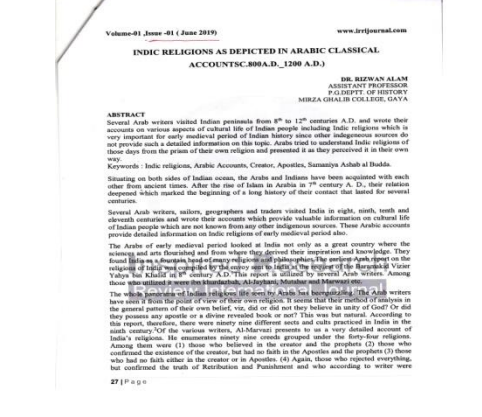
Title of paper	Name of the author/s	Department of the teacher	Name of journal	Calendar Year of publication	ISSN number	Link to the recognition in UGC enlistment of the Journal /Digital Object Identifier (doi) number		
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Minimum Wage Compliance and Household Welfare: An Analysis of over 1500 Minimum Wages.	Kashif Mansoor	Economics	Journal of Labour Institute	2020	0305-750X	https://www.econstor.eu/bitstream/10419/223740/1/dp13298.pdf	https://doi.org/10.1016/j.worlddev.2021.105653	
An environment Kuznets curve for ecological footprint: Evidence from GCC countries			Carbon Management	2020	1758-3004	https://www.tandfonline.com/journals/tcmt20	https://doi.org/10.1080/17583004.2020.1790242	
Hindi Ghazal Main Prakriti aur Prem			Shodh disha	2020	0975-735X			
Hndi Kavita Main Ghazal Ki Zarurat	Dr. Zeaur Rahman Jafri	Hindi	Privartan	2020	2455-5169			
Fazlur Rahman Hashmi Ki Kavitaon Main Pauranik Sandarv			Dusramat	2020	2455-504X			
Suraj Mukhi aur harai ke upanyas mai stree asmita ki talash			Jan Vikalp	2019	2231-6191			
Samakaleen Rajneeti aur dalit samaj	Dr. Nusrat Jabeen Siddique	Hindi	Bhasha Sahadari	2019	2582-1679	www.bhashasahadari.org		

<p>Philosophy of intersubjectivity in existentialism and buddhism</p>		<p>Bhugol Swadesh Charch (Multidisciplinary International Journal)</p>	<p>2019</p>	<p>2581-4788</p>	<p>Yes</p>
<p>Study of freedom as a Psycho-social problem: Erich fromm and sartre</p>	<p>Dr. Sarim Abbas</p>	<p>Tathapi; UGC Care Journal</p>	<p>2020</p>	<p>2320-0693</p>	<p>Yes</p>
<p>Sufism in Islam: Development and practice</p>		<p>Aligarh Journal of Islamic Philosophy, A.M.U, Aligarh</p>	<p>2019</p>	<p>2278-3261</p>	<p>Yes</p>
<p>Ethical justice as the expression of devine virtue of ibne-Miskawaih</p>		<p>Tawarikh Khwani</p>	<p>2020</p>	<p>https://tawarikhkhwani.com/ethical-justice-as-the-expression-of-divine-virtue-of-ibn-miskawaih/</p>	<p>Yes</p>
<p>Baba guru prasad sen and his Legacy in Bihar</p>		<p>Bohal Shodh Manju Shah</p>	<p>2020</p>	<p>2395-7115</p>	<p>www.bohalsm.blogspot.com</p>
<p>Dr. Sachchidananda sinha and bihar Movement</p>	<p>Dr. Abdul Azeem Akhtar</p>	<p>Indian Journal of Dalit and Tribal Studies</p>	<p>2020</p>	<p>2348-1757</p>	<p>Yes</p>

Cocrystallization of 2,3-dimethylquinoxaline with 3,5-dinitrobenzoic acid: Crystal structure, Hirshfeld surface, spectroscopic features and DFT studies	Dr. Mohd. Faizan	Physi cs	Journal of Molecular Structure	2020	0022-2860	https://www.sciencedirect.com/journal/journal-of-molecular-structure	https://doi.org/10.1016/j.molstruc.2019.126894	
Synthesis, characterization and DFT studies of water stable Cd (II) metal-organic clusters with better adsorption property towards the organic pollutant in waste water			Inorganic Chimica Acta	2020	2220-1693	https://www.sciencedirect.com/journal/inorganica-chimica-acta	https://doi.org/10.1016/j.ica.2020.119872	
Exploring the Ce ³⁺ ions doping effect on optical and magnetic properties of NiO nanostructures.			Journal of magnetism and Magnetic Materials	2019	0304-8553	www.elsevier.com/locate/jmm	https://doi.org/10.1016/j.jmmm.2019.166323	
A one pot. efficient and eco friendly synthesis of 1,3,4-thiadiazolo[3.2-a]pyrimidine scaffold via Aza-Michael addition and intramolecular cycloelimination reactions in poly ethyleneglycol(EPG)	De Akeel Ahmad	Chemistry	Indian Journal of Chemistry	2019	0975-0983	http://op.niscpr.res.in/index.php/IJC/issue/view/600	http://op.niscpr.res.in/index.php/IJC/article/view/45479/465478717	
Kanhaiya Lal Kapoor Ek Mukhtasar Jaiyza	Dr. Nikhat Tabassum	Urdu	Tahqeeq	2019	2278-2613			
Ghalib Ki Shairy Ka Talismati Pahlu	Dr. Ehsanullah Danish	Urdu	Paratibha Srijan	2019				
Bharat mai paryaverne rajnete evam paryavarana suraksha: chunatiya evam samadhan	Dr. Md. Ali Husain	Political Science	BJPA	0974-2735	2020			
Toxicity and behavioural response of the fish (channa punctatus bloch) at different concentrations of weedicide(Aquathol) during static acute bioassays	Dr. Md. Razauddin	Zoology	Proc. Zool.Soc.India		0972-6683	https://connectjournals.com/pages/journaldetails/CJ-037285		
Studies on Periphyton Diversity in Few Ponds of Gaya District	Dr. Aftab Ahmad Khan	Zoology	Proc. Zool.Soc.India			https://connectjournals.com/pages/journaldetails/CJ-037286		
Limnological studies in a pond of Gaya District							https://connectjournals.com/pages/article/details/toc030384	

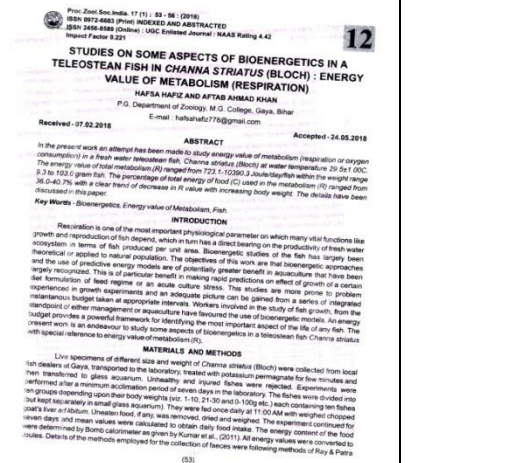
<p>Toxicity and behavioural response of the fish (channa punctatus bloch) at different concentrations of weedicide(Aquathol) during static acute bioassays</p>	<p>Dr. Md. Shalim</p>	<p>Zoology</p>	<p>Proc. Zool.Soc.India</p>		<p>https://connectjournals.com/pages/journaledetails/CJ-037287</p>	
<p>A theoretical study of the optical properties of high Tc super conductors</p>	<p>Dr. Priyanka Kumari</p>	<p>Physics</p>	<p>International Journal for Research & Studies</p>			
<p>A theoretical study of the super conductivity in doped fullerenie</p>	<p>Dr. Priyanka Kumari</p>	<p>Physics</p>	<p>International Journal for Research & Studies</p>			
<p>Fermentation of molasses to ethanol by saccharomyces cerevisiae NClm-2118 exposed to to methyl carbamate</p>	<p>Dr. Afsar Nasim</p>	<p>Chemistry</p>	<p>Journal Chemtracks</p>	<p>0973-239X</p>	<p>https://cassi.cas.org/publication.jsp?P=DXaT8ZVpYncyZ133K_IJ3zLPXfcr-WXf46hIFv_GPNsy_z133K_IJ3zLPXfcr-WXf-9sRQmIxiMyz133K_IJ3zLPXfcr-WXfMyMBR-BDrAufcTk2HxMlyA</p>	
<p>Evolution of online/E-commerce in the last decade</p>	<p>Dr. Md. Saad Uddin</p>	<p>Commerce</p>	<p>IRJCS</p>	<p>2319 - 9202</p>	<p>http://www.casiri.com/</p>	<p>UGC Listed – Approved Journal – casiri.com : Volume Details</p>
<p>Tought of B.R. Ambedkar in the context of Indian Industrial Policy</p>	<p>Dr. Md. Saad Uddin</p>	<p>Commerce</p>	<p>IRJMST</p>	<p>2250 - 1959</p>	<p>http://www.irjmst.com/</p>	<p>DOI : https://doi.org/10.32804/IRJMST</p>
<p>Liquid State Fermentative Bioproduction of Citric Acid by Aspergillus Candidus F-569 exposed to dimethyl sulphate</p>	<p>Dr. S. Raghiv Ahsan</p>	<p>Chemistry</p>	<p>A division of the American Chemical Society USA</p>	<p>0973-239X</p>	<p>2019</p>	
<p>Efficacy of dihydrozeatin on bioproduction of ethanol by Saccharomyces cerevisiae – 3510</p>	<p>Dr. S. Raghiv Ahsan</p>	<p>Chemistry</p>	<p>A division of the American Chemical Society USA</p>	<p>0973-239X</p>	<p>2019</p>	

Liquid State Fermentative Bioproduction of Citric Acid by <i>Aspergillus Candidus</i> F-569 exposed to dimethyl sulphate	Dr. Md. shahabu ddin	Chemistry	A division of the American Chemical Society USA	2019	0973-239X		
Identification of key regulators in parathyroid adenoma using an integrative gene network analysis	Dr. Md. Jawed Iqbal Khan	Mathematics	Bioinformatics Journal	2020	0973-2063	www.bioinformatics.net	DOI: 10.6026/97320630016910
Study of Physico-Chemical Parameters of Ramsagar Pond of Gaya Town	Dr. Reshma Perween	Botany	International Journal Mendel	2019	0970-9649		
Phytotoxic effects of leaves of Parthenium Hysterophorus L. on Seed Germination of Some crop Plants.	Dr. Md. Minhaj Alam	Botany	International Journal Mendel	2019	0970-9649		
Effect of Globalization on Indian life insurance market.	Dr. Pervez Wahab	Commerce	Bohal Shodh Manjusha	2020	2395-7115		
Geographical Environs of Jharkhand (A Geographical Case Study)	Dr. Tanweer Alam	Geography	Research Highlights	2019	2350-0611		
Costumes, ornaments and tattooing of Tribes of Jharkhand State (A study in Cultural Geography)			Varanasi Management Review	2019	2395-0390		
Satat Garibi banam satat vikas : Bihar ke sandarv main ek adhyan	Dr. Abdul Qayum	Political Science	BJPA	2020	0974-2735		

Title of paper	Name of the author/s	Department of the teacher	Name of journal	Calendar Year of publication	ISSN number	Link to the recognition in UGC enlistment of the Journal /Digital Object Identifier (doi) number		Is it listed in UGC Care list
						Link to website of the Journal	Link to article / paper / abstract of the article	
Prachin Bhartiya Samaj me Pariwarik Mahatpurn sanstha	Dr.Jugnu Jhan	History	Shodh Abhina ndan	2018	2321-3136			
Ghandhi aur Marks: Kranti aur Karishma	Dr.Fahim Ahmad Khan	History	Ataraxia	2018	2394-4153			
Bharat Chodo andolan me Bihar ke yuwaon ki Bhumika awam Mulyankan			Humanity-Science Interface	2019	2394-8248			
Land Tenure in Ancient India	Dr.Rizwan Alam	History	Wisdom Helard	2018	2231-1483			
Indic Religion as depicted in Arabic Classical Accountsc.800 AD-1200 AD			IRRI Journal	2019		www.irjournal.com		

<p>Carbofuran induced Impairment in Haematological Indices in Channa Striatus (Bloch)</p>				<p>https://www.connectjournals.com/pages/journal/details/CJ-037285/volumelist</p>	<p>9 CARBOFURAN INDUCED IMPAIRMENT IN HAEMATOLOGICAL INDICES IN CHANNA STRIATUS (BLOCH) RIZWAN AHMAD AND MD. RAZAUDDIN P.G. Department of Zoology, M.G. College, Gaya, Bihar, India. Email: rso2@gmail.com Received-15.04.2018 Accepted-15.04.2018 ABSTRACT The present study was carried out to evaluate the toxic effect of Carbofuran (a weedicide) on haematological indices in the liver of a freshwater teleostean fish, <i>Channa striatus</i>. The fish were divided into 3 batches of 10 fish each and maintained in large glass aquaria with continuous flow of water. The fishes were fed on chopped ground fish diary during a minimum acclimatization period of seven days in the laboratory. During experimentation approximately same sized fishes (100-150 gm) were used. Water parameters such as pH 7.6; temperature 26.0±0.1°C; total hardness 180 (Ca) and DO₂ (6.5 ppm) were recorded. INTRODUCTION The present study was carried out to evaluate the toxic effect of Carbofuran (a weedicide) on haematological indices in the liver of a freshwater teleostean fish, <i>Channa striatus</i>. The fish were divided into 3 batches of 10 fish each and maintained in large glass aquaria with continuous flow of water. The fishes were fed on chopped ground fish diary during a minimum acclimatization period of seven days in the laboratory. During experimentation approximately same sized fishes (100-150 gm) were used. Water parameters such as pH 7.6; temperature 26.0±0.1°C; total hardness 180 (Ca) and DO₂ (6.5 ppm) were recorded. RESULTS The fish showing changes in haematological indices after acute exposure (96 hrs) of sublethal doses of Etha EC 25 (0.05 mg/l) and Chloroxuron (0.05 mg/l) in acclimating fish, <i>Channa striatus</i> were as follows: (Table 1). The data have been discussed in this paper. Key Words - Haematological indices, <i>Channa striatus</i>, Fish, Liver.</p>
<p>Effect of Environmental Stress on Changes in some Haemato- biochemical profiles in a Teleostean Fish <i>Channa Striatus</i></p>	<p>Dr. Md. Razauddin</p>	<p>Zoology</p>	<p>Proc. Zool.Soc. India</p>	<p>2018</p>	<p>0972-6683</p> <p>5 EFFECT OF ENVIRONMENTAL STRESS ON CHANGES IN SOME HAEMATO-BIOCHEMICAL PROFILES IN A TELEOSTEAN FISH CHANNA STRIATUS (BLOCH) RIZWAN AHMAD AND MD. RAZAUDDIN P.G. Department of Zoology, M.G. College, Gaya, Bihar, India. Email: rso2@gmail.com Received-17.07.2018 Accepted-16.10.2018 ABSTRACT Studies on individual components of Carbofuran (a herbicide) and Etha EC 25 (an insecticide) on changes in some haemato-biochemical parameters in the liver of a teleostean fish, <i>Channa striatus</i> were carried out. The fish were divided into 3 batches of 10 fish each and maintained in large glass aquaria with continuous flow of water. The fishes were fed on chopped ground fish diary during a minimum acclimatization period of seven days in the laboratory. During experimentation approximately same sized fishes (100-150 gm) were used. Water parameters such as pH 7.6; temperature 26.0±0.1°C; total hardness 180 (Ca) and DO₂ (6.5 ppm) were recorded. INTRODUCTION The present study was carried out to evaluate the toxic effect of Carbofuran (a herbicide) and Etha EC 25 (an insecticide) on changes in some haemato-biochemical parameters in the liver of a teleostean fish, <i>Channa striatus</i>. The fish were divided into 3 batches of 10 fish each and maintained in large glass aquaria with continuous flow of water. The fishes were fed on chopped ground fish diary during a minimum acclimatization period of seven days in the laboratory. During experimentation approximately same sized fishes (100-150 gm) were used. Water parameters such as pH 7.6; temperature 26.0±0.1°C; total hardness 180 (Ca) and DO₂ (6.5 ppm) were recorded. RESULTS The fish showing changes in haematological indices after acute exposure (96 hrs) of sublethal doses of Etha EC 25 (0.05 mg/l) and Chloroxuron (0.05 mg/l) in acclimating fish, <i>Channa striatus</i> were as follows: (Table 1). The data have been discussed in this paper. Key Words - Haemato-biochemical profiles, <i>Channa striatus</i>, Fish, Liver.</p>
<p>Histopathological Changes Induced in the liver <i>Mystus Tenggara</i> (HAM) After exposure to Chloroxuron</p>					<p>11 HISTOPATHOLOGICAL CHANGES INDUCED IN THE LIVER OF MYSTUS TENGARA (HAM) AFTER EXPOSURE TO CHLOROXYURON SHAJIZA NAHID AND WAQAR AHMAD P.G. Department of Zoology, M.G. College, Gaya, Bihar, India. Email: waqarshahid@gmail.com / shajizahnahid123@gmail.com Received-14.03.2018 Accepted-22.05.2018 ABSTRACT The present study was carried out to evaluate the toxic effect of Chloroxuron (a weedicide) on histopathological changes in the liver of a freshwater teleostean fish, <i>Mystus tengara</i> (HAM). The fish were divided into 3 batches of 10 fish each and maintained in large glass aquaria with continuous flow of water. The fishes were fed on chopped ground fish diary during a minimum acclimatization period of seven days in the laboratory. During experimentation approximately same sized fishes (100-150 gm) were used. Water parameters such as pH 7.6; temperature 26.0±0.1°C; total hardness 180 (Ca) and DO₂ (6.5 ppm) were recorded. INTRODUCTION The liver is a very important organ concerning the action of toxic chemicals on fish. It is the primary organ for detoxification of organic xenobiotics and probably also for the excretion of harmful metabolites (Kumar, 2005 and Kumar, 2018). Histology and histopathology are becoming tools in the study of environmental pollution, particularly for identifying and detecting chemical pollutants (Kumar et al., 2014). In view of the above facts, the present study was performed which reflects histopathological changes in the liver of the fish, <i>Mystus tengara</i> (HAM) exposed to sublethal concentration of Chloroxuron (a weedicide). MATERIALS AND METHODS Live specimens of <i>Mystus tengara</i> (HAM) were procured from local fish dealers at Gaya and maintained in large glass aquaria with continuous flow of water. The fishes were fed on chopped ground fish diary during a minimum acclimatization period of seven days in the laboratory. During experimentation approximately same sized fishes (100-150 gm) were used. Water parameters such as pH 7.6; temperature 26.0±0.1°C; total hardness 180 (Ca) and DO₂ (6.5 ppm) were recorded. RESULTS The liver of the control fish <i>Mystus tengara</i> (HAM) showed normal architecture, composed of a homogeneous mass of polyhedral cells (Plate 1, Fig. 1) arranged in groups enclosing bile canaliculi. Each hepatocyte has a granular cytoplasm and a centrally placed large spherical nucleus containing distinct nucleoli. Key Words - Histopathology, Chloroxuron, Fish, Liver.</p>
<p>Studies in Metabolic Rate in ana Air Breathing Fish, <i>Channa Marulius</i> (HAM)</p>					<p>14 STUDIES ON METABOLIC RATE IN AN AIR BREATHING FISH, CHANNA MARULIUS (HAM) SHAMENDRA KUMAR AND WAQAR AHMAD P.G. Department of Zoology, M.G. College, Gaya, Bihar, India. Email: waqarshahid@gmail.com / shamendra878@gmail.com Received-08.02.2018 Accepted-12.05.2018 ABSTRACT Studies on metabolic rate (ventilator oxygen uptake) have been studied in an air breathing fish, <i>Channa marulius</i> (HAM). The fish were divided into 3 batches of 10 fish each and maintained in large glass aquaria with continuous flow of water. The fishes were fed on chopped ground fish diary during a minimum acclimatization period of seven days in the laboratory. During experimentation approximately same sized fishes (100-150 gm) were used. Water parameters such as pH 7.6; temperature 26.0±0.1°C; total hardness 180 (Ca) and DO₂ (6.5 ppm) were recorded. INTRODUCTION In purely aquatic fishes the gills and skin serve as the primary respiratory organs. However, there are many fish species including members of the order Cypriniformes which have developed additional air breathing organs (Lutjanus, 1970; Hughes and Singh 1970a, 1971). The major limitation imposed by amphibious air breathing is that respiratory surface area is limited. This respiratory surface area is increased by the development of these fish which may include the development of a large respiratory surface area in the form of a lung. The present study was carried out to evaluate the metabolic rate in an air breathing fish, <i>Channa marulius</i> (HAM). The fish were divided into 3 batches of 10 fish each and maintained in large glass aquaria with continuous flow of water. The fishes were fed on chopped ground fish diary during a minimum acclimatization period of seven days in the laboratory. During experimentation approximately same sized fishes (100-150 gm) were used. Water parameters such as pH 7.6; temperature 26.0±0.1°C; total hardness 180 (Ca) and DO₂ (6.5 ppm) were recorded. MATERIALS AND METHODS Live specimens of <i>Channa marulius</i> were collected from local fish dealers and maintained in large glass aquaria with continuous flow of water. The fishes were fed on chopped ground fish diary during a minimum acclimatization period of seven days in the laboratory. During experimentation approximately same sized fishes (100-150 gm) were used. Water parameters such as pH 7.6; temperature 26.0±0.1°C; total hardness 180 (Ca) and DO₂ (6.5 ppm) were recorded. RESULTS The fish showing changes in haematological indices after acute exposure (96 hrs) of sublethal doses of Etha EC 25 (0.05 mg/l) and Chloroxuron (0.05 mg/l) in acclimating fish, <i>Channa striatus</i> were as follows: (Table 1). The data have been discussed in this paper. Key Words - O_2 uptake, Cyclic changes, Ambient water temperature, Fish.</p>
<p>Studies on the Effect of Ambient Water Temperature on Bimodal Oxygen Uptake in <i>Channa Marulius</i> (HAM)</p>	<p>Dr Waqar Ahmad</p>	<p>Zoology</p>	<p>Proc. Zool.Soc. India</p>	<p>2018</p>	<p>0972-6683</p> <p>17 STUDIES ON THE EFFECT OF AMBIENT WATER TEMPERATURE ON BIMODAL OXYGEN UPTAKE IN CHANNA MARULIUS (HAM) SHAMENDRA KUMAR AND MD. WAQAR AHMAD P.G. Department of Zoology, M.G. College, Gaya, Bihar, India. Email: waqarshahid@gmail.com / shamendra878@gmail.com Received-07.01.2018 Accepted-10.04.2018 ABSTRACT Studies on cyclic changes (for 12 months) in aquatic, aerial and total oxygen uptake in a freshwater teleostean fish, <i>Channa marulius</i> (HAM) were made which showed wide range variation in oxygen uptake in different months of the year. The fish were divided into 3 batches of 10 fish each and maintained in large glass aquaria with continuous flow of water. The fishes were fed on chopped ground fish diary during a minimum acclimatization period of seven days in the laboratory. During experimentation approximately same sized fishes (100-150 gm) were used. Water parameters such as pH 7.6; temperature 26.0±0.1°C; total hardness 180 (Ca) and DO₂ (6.5 ppm) were recorded. INTRODUCTION Among most aquatic air breathing O_2 uptake is divided between air and water, the fraction given to each mode varies depending on physical conditions such as aquatic O_2 tension and temperature (Lutjanus, 1970; Hughes and Singh 1970a, 1971). The major limitation imposed by amphibious air breathing is that respiratory surface area is limited. This respiratory surface area is increased by the development of these fish which may include the development of a large respiratory surface area in the form of a lung. The present study was carried out to evaluate the metabolic rate in an air breathing fish, <i>Channa marulius</i> (HAM). The fish were divided into 3 batches of 10 fish each and maintained in large glass aquaria with continuous flow of water. The fishes were fed on chopped ground fish diary during a minimum acclimatization period of seven days in the laboratory. During experimentation approximately same sized fishes (100-150 gm) were used. Water parameters such as pH 7.6; temperature 26.0±0.1°C; total hardness 180 (Ca) and DO₂ (6.5 ppm) were recorded. MATERIALS AND METHODS Live specimens of <i>Channa marulius</i> were collected from local fish dealers and maintained in large glass aquaria with continuous flow of water. The fishes were fed on chopped ground fish diary during a minimum acclimatization period of seven days in the laboratory. During experimentation approximately same sized fishes (100-150 gm) were used. Water parameters such as pH 7.6; temperature 26.0±0.1°C; total hardness 180 (Ca) and DO₂ (6.5 ppm) were recorded. RESULTS The fish showing changes in haematological indices after acute exposure (96 hrs) of sublethal doses of Etha EC 25 (0.05 mg/l) and Chloroxuron (0.05 mg/l) in acclimating fish, <i>Channa striatus</i> were as follows: (Table 1). The data have been discussed in this paper. Key Words - O_2 uptake, Cyclic changes, Ambient water temperature, Fish.</p>
<p>Impairment Induced by Chloroxuron on Changes in Histopathological Architecture in kidney of a Fresh water Fish, <i>Mystus Tenggara</i> (HAM)</p>				<p>https://www.connectjournals.com/pages/journal/details/CJ-037285/volumelist</p>	<p>8 IMPAIRMENTS INDUCED BY CHLOROXYURON ON CHANGES IN HISTOPATHOLOGICAL ARCHITECTURE IN KIDNEY OF A FRESH WATER FISH, MYSTUS TENGARA (HAM) SHAJIZA NAHID AND WAQAR AHMAD P.G. Department of Zoology, M.G. College, Gaya, Bihar, India. Email: waqarshahid@gmail.com / shajizahnahid123@gmail.com Received-12.01.2018 Accepted-15.03.2018 ABSTRACT The effect of sublethal doses (0.75 and 0.05 mg/l) of a herbicide, Chloroxuron (a weedicide) on histopathological changes in the kidney of a freshwater teleostean fish, <i>Mystus tengara</i> (HAM) was studied. The fish were divided into 3 batches of 10 fish each and maintained in large glass aquaria with continuous flow of water. The fishes were fed on chopped ground fish diary during a minimum acclimatization period of seven days in the laboratory. During experimentation approximately same sized fishes (100-150 gm) were used. Water parameters such as pH 7.6; temperature 26.0±0.1°C; total hardness 180 (Ca) and DO₂ (6.5 ppm) were recorded. INTRODUCTION The present study was carried out to evaluate the toxic effect of Chloroxuron (a weedicide) on histopathological changes in the kidney of a freshwater teleostean fish, <i>Mystus tengara</i> (HAM). The fish were divided into 3 batches of 10 fish each and maintained in large glass aquaria with continuous flow of water. The fishes were fed on chopped ground fish diary during a minimum acclimatization period of seven days in the laboratory. During experimentation approximately same sized fishes (100-150 gm) were used. Water parameters such as pH 7.6; temperature 26.0±0.1°C; total hardness 180 (Ca) and DO₂ (6.5 ppm) were recorded. RESULTS The kidney of normal <i>Mystus tengara</i> (HAM) reveals a typical teleostean plan. It possesses a number of capillaries surrounded by interstitial lymphoid tissue. The nephron is formed of renal corpuscle Key Words - Fish, Chloroxuron, Histopathology, Kidney.</p>

<p>Studies of some Aspects of Energy Budget in an air Breathing Fish, <i>Mystus Cavasius</i> (HAM); Daily Food intake and Faecal Production</p>							<p>Proc.Zool.Soc.India, 17 (1) : 37-39 (2018) ISSN 0972-4683 (Print) INDEXED AND ABSTRACTED ISSN 2488-6899 (Online) UGC Enlisted Journal NAAS Rating 4.42 Impact Factor 8.221</p> <p>STUDIES ON SOME ASPECTS OF ENERGY BUDGET IN AN AIR BREATHING FISH, <i>MYSTUS CAVASIUS</i> (HAM) : DAILY FOOD INTAKE AND FAECAL PRODUCTION</p> <p>SAADYA KHUSHA AND MD. ABUL FATAH P.G. Department of Zoology, M.G. College, Gaya, Bihar, 823001 E-mail : saadya.fayaz@gmail.com</p> <p>Received -10.02.2018 Accepted -15.05.2018</p> <p>ABSTRACT Studies on daily food intake, energy value of ration, total faecal discharge, energy value of faeces and excretory product (E) have been made in different weight groups of an air breathing catfish, <i>Mystus cavasius</i> (Ham.). The above parameters ranged from 0.87-1.4 g/100g/day, 2192.4-2699.2 Joules, 0.071-0.71 g/day/100 g wt, 295.66 to 3670.36 Joules and 152.07-1895.24 Joules respectively within the weight range 12.2 to 102.2g. The details have been discussed in this paper.</p> <p>Key Words - Bioenergetics, <i>Mystus cavasius</i> (Ham.)</p> <p>INTRODUCTION The relationship between fish and their food is affected by a complex interaction between a number of factors which include temperature, light, salinity, fish size, activity and behaviour, appetite, feeding regime, starvation, supply and type of food. Knowledge of the digestibility of dietary nutrients is essential for the study of bioenergetics as a tool for the evaluation of different food stuffs. The purpose of the present work is to determine the daily food intake, energy value of ration, total faecal discharge, energy value of faeces and excretory products etc. in a fresh water air breathing fish, <i>Mystus cavasius</i> (Ham.) because of the paucity of information available on these aspects in fishes.</p> <p>MATERIALS AND METHODS Live specimens of different size and weight of <i>Mystus cavasius</i> were collected from local fish dealers at Gaya, transported to the laboratory, treated with potassium permanganate for few minutes and then transferred to glass aquarium. Unhealthy and injured fishes were rejected. Experiments were performed after a minimum acclimatization period of seven days in the laboratory. The fishes were divided into ten groups depending upon their body weights (viz. 11.20, 21.30, 30, 40, 50 and 101-110g) each containing ten fishes (but kept separately in small glass aquarium). They were fed once daily (at 11.00 AM) with weighed chopped goat liver <i>ad libitum</i>. Unstarved food, if any was removed, dried and weighed. The experiment continued for seven days and mean values calculated to obtain daily food intake. The energy content of the food was determined by Bomb calorimeter as followed by Chandrabati and Kumar (2014) and Roy and Kumar (2016). All energy values were converted to Joules. Details of the methods employed for the collection of faeces were those of Ray & Patra (1987).</p> <p>RESULTS 1. Daily food intake and energy value of ration: The data showing daily food intake, energy value of ration, total faecal discharge, energy value of faeces and absorption efficiency in ten weight groups of <i>Mystus cavasius</i> at 30±1.0°C are presented in Table 1. Daily food intake ranged from 0.87-1.4 g/100g within the weight range 12.2 to 102.2g. The present daily food intake ranged from 4.3-7.5% within</p>	
<p>Oxygen consumption in Different weight groups of <i>Puntius Sophe</i> (HAM) at Habitual Water Temperature in Winter and Summer Month</p>	<p>Dr.Md Abul Fatah</p>	<p>Zoology</p>	<p>Proc. Zool.Soc.India</p>	<p>2018</p>	<p>0972-6683</p>	<p>https://www.connec-tions.com/pages/journal-details/CJ-037285/volumelist</p>	<p>Proc.Zool.Soc.India, 17 (1) : 69-72 (2018) ISSN 0972-4683 (Print) INDEXED AND ABSTRACTED ISSN 2488-6899 (Online) UGC Enlisted Journal NAAS Rating 4.42 Impact Factor 8.221</p> <p>16</p> <p>OXYGEN CONSUMPTION IN DIFFERENT WEIGHT GROUPS OF <i>PUNTIUS SOPHORE</i> (HAM.) AT HABITUAL WATER TEMPERATURE IN WINTER AND SUMMER MONTHS</p> <p>FIRDAUS NAZ AND MD. ABUL FATAH P.G. Department of Zoology, M.G. College, Gaya, 823001, Bihar E-mail : abulfatagay@gmail.com / nazfirnaaz4@gmail.com</p> <p>Received -06.03.2018 Accepted -28.05.2018</p> <p>ABSTRACT In the present work an attempt has been made to study oxygen consumption in different weight groups of teleostean fish, <i>Puntius sophore</i> (Ham.) at habitual water temperature in winter and summer months to assess compensatory regulation in their metabolism to seasonal thermal variations. The experiments were conducted at 16±1.0°C (winter) and 29±1.0°C (summer months). Though at both the habitual temperatures, a clear trend of increase in total oxygen consumption with increasing body weight was observed but it increased with a value of 0.64 (Q value or regression coefficient) in summer months while such value was recorded to be 0.50 (Q value) in winter months indicating compensatory regulation in their metabolism to seasonal thermal variations. The details have been discussed in this paper.</p> <p>Key Words - Metabolic rate, Compensatory regulation, Seasonal thermal variation.</p> <p>INTRODUCTION Extensive evidence has been coming forth in substantiation of the concept that poikilotherms regulate their metabolism and activity in the compensatory direction against thermal stress under natural as well as laboratory conditions (Sax, 1971). However, most of these studies are confined to marine animals from cold and temperate zones. No much attention has been paid to the tropical poikilotherms, especially from the freshwater habitat, which are believed not to show any compensatory regulation in their metabolism and activity to thermal stress on the ground that the thermal set up in the tropics is more or less uniform all through the year (Verberg, 1962; Fry, 1964). But during the recent past this view has to be revised consequent on the production of evidence to the effect that even the tropical poikilotherms show compensatory regulation in their metabolism against thermal stress, just in the same manner as their counterpart from the cold and temperate zones do. There are practically no data on the tropical freshwater fishes except some fragmentary report. Rao, (2011) to assess whether or not they show compensatory regulation in their metabolism to seasonal thermal variations. The present study was undertaken to assess whether or not <i>Puntius sophore</i> (Ham.) would show similar compensatory regulation in its oxygen consumption related to the seasonal thermal variations in its environment.</p> <p>MATERIALS AND METHODS Live specimens of <i>Puntius sophore</i> (Ham.) were procured through local fish dealers at Gaya. The fishes were transported to the laboratory for proper acclimatization for ten days. In the laboratory the fishes were fed daily with fish meals. The oxygen consumption of fishes were determined using the technique of Duxaker and Verma (2014) and Kumar and Anwar (2015). The flow of water through the respirometer was adjusted according to the weight of the fish. The specimens were acclimated in the respirometer for 3 hours before reading on oxygen consumption were recorded. The dissolved oxygen content of water samples</p>	
<p>Studies of Thermal Stress and Compensatory Metabolic Regulation in a Fresh Water Mud Eel</p>							<p>Proc.Zool.Soc.India, 17 (2) : 1-4 (2018) ISSN 0972-4683 (Print) INDEXED AND ABSTRACTED ISSN 2488-6899 (Online) UGC Enlisted Journal NAAS Rating 4.42 Impact Factor 8.221</p> <p>1</p> <p>STUDIES ON THERMAL STRESS AND COMPENSATORY METABOLIC REGULATION IN A FRESH WATER MUD EEL</p> <p>FIRDAUS NAZ AND MD. ABUL FATAH P.G. Department of Zoology, M.G. College, Gaya, Bihar, 823001 E-mail : abulfatagay@gmail.com / nazfirnaaz4@gmail.com</p> <p>Received -12.07.2018 Accepted -10.10.2018</p> <p>ABSTRACT <i>Mastacembelus armatus</i> (Lac) has bimodal gas exchange mechanism as the fish uses both the gills and skin to obtain O₂ from water. The skin can obtain O₂ both from water as well as air. Consumption in this mud eel has been determined by the method as followed by Kumar and Anwar (2018) at the water temperature 20 (±1.0°C) (winter) and 30 (±1.0°C) (Summer). The statistical relationship between O₂ consumption (VO₂) vs. body weight during winter (20±1.0°C) and summer (30±1.0°C) months are represented by the equation: VO₂ (ml/h) = 1.132 W^{0.75} and VO₂ (ml/h) = 0.2150 W^{0.75} respectively. The details have been discussed in this paper in the light of thermal compensatory metabolic regulation in this fish.</p> <p>Key Words - Thermal stress, Compensatory metabolic regulation, Mud eel (fish).</p> <p>INTRODUCTION In poikilotherms their body temperature changes according to that of the environment and they do not have any control on it. This is because they lack the temperature regulating mechanism. Still to a small degree a regulation of temperature is seen in these animals and this is by their behavioural and metabolic activities (Gool and Sastry, 1997). Thermal regulation in poikilotherms is a simple phenomenon. Heat exchange in aquatic animals are largely by conduction and convection. Thermal environment of aquatic animals is relatively stable, still seasonal variations do occur in the surface layers of the seas, lakes and rivers. For aquatic animals which do not possess cold-hardiness, even the temperature above the freezing point may prove lethal. On the other hand, some poikilotherms can not tolerate high temperatures. In such cases death may occur even below-temperatures at which proteins are usually denatured. The way in which the organisms maintain their body temperature within a certain limited range is termed as thermoregulation. The present work is an endeavour to study the thermal compensatory regulation in a fresh water mud eel, <i>Mastacembelus armatus</i> (Lac).</p> <p>MATERIALS AND METHODS Live specimens of <i>Mastacembelus armatus</i> (Lac) were procured through local fish dealers at Gaya. The fishes were transported to the laboratory for proper acclimatization for ten days. In the laboratory the fishes were fed daily with fish meals. The oxygen consumption of fishes were determined using the technique of Duxaker and Verma (2014) and Kumar and Anwar (2018). The flow of water through the respirometer was adjusted according to the weight of the fish. Specimens were acclimated in the respirometer for 3 hours before reading on oxygen consumption were recorded. The dissolved oxygen content of water samples entering and leaving the respirometer were recorded by the Winkler's volumetric method (Weich, 1948). The dissolved oxygen content of water ranged from 6.0-7.5mg/l at habitual temperature. The difference between the oxygen content of incoming and outgoing water together with the</p>	
<p>Studies on Relative Energy Budget in Different Weight Groups in <i>Mystus Cavasius</i> (HAM)</p>							<p>Proc.Zool.Soc.India, 17 (2) : 15-18 (2018) ISSN 0972-4683 (Print) INDEXED AND ABSTRACTED ISSN 2488-6899 (Online) UGC Enlisted Journal NAAS Rating 4.42 Impact Factor 8.221</p> <p>4</p> <p>STUDIES ON RELATIVE ENERGY BUDGET IN DIFFERENT WEIGHT GROUPS IN <i>MYSTUS CAVASIUS</i> (HAM.)</p> <p>SAADYA KHUSHA AND MD. ABUL FATAH P.G. Department of Zoology, M.G. College, Gaya-823001, Bihar E-mail : saadya.fayaz@gmail.com / abulfatagay@gmail.com</p> <p>Received -07.07.2018 Accepted -10.10.2018</p> <p>ABSTRACT Studies on relative energy budget in different weight groups in a fresh water air breathing fish, <i>Mystus cavasius</i> (Ham.) has been made at water temperature 30 (±1.0°C). The total energy available in food (C) by fish ranged from 2192.4 Joules (in 12 g fish) to a value of 2699.2 (in 102 g fish). The present energy value ranged from 12.3-13.6, 7 (fixed), 35.2-36.8, 36.0-43.3 and 0.6-8.2% respectively in faeces (F), Urine formation (U), growth (P), respiratory metabolism (R) and miscellaneous activities (M.A.). The details have been discussed in this paper.</p> <p>Key Words - Relative energy budget, Body weight, Fish.</p> <p>INTRODUCTION An energy budget is a balance sheet of energy income set against energy expenditure. A fish in a laboratory experiment is an open thermodynamic system exchanging energy with its surrounding in three ways - heat, work and potential energy of biochemical compounds. It can be shown that: C = F + U + R + P + M.A. Where C is the energy content of the food eaten, P the energy utilized in growth materials (Production), R the loss of energy as heat (e.g. R standing for respiration, U (Urine) loss in excretory product, F the energy lost as faeces and M.A. studies for miscellaneous activities.</p> <p>The compilation of energy budgets for fish has a fairly short history with the result that the literature on the subject is limited. Klotz (1983) and Cui and Horton (1988) have made extensive studies on the bioenergetics and metabolic cost of European species of fishes but a perusal of literature indicates that our information in this regard on Indian species of fishes is very limited (Sengupta and Moha, 1996; Pandey and Singh, 2010; Kumar et al., 2011; Chandrabati and Kumar, 2014; Roy and Kumar, 2016; Haldu and Khan, 2018 and Khusha and Fatah, 2018) as such the data obtained out of this study will definitely not only fill up the gap or lacuna of our knowledge but also add our existing knowledge in this regard. The present work is an endeavour to study relative energy budget in different weight groups in <i>Mystus cavasius</i> (Ham.).</p> <p>MATERIALS AND METHODS Live specimens of different size and weight of <i>Mystus cavasius</i> were collected from local fish dealers at Gaya, transported to the laboratory, treated with potassium permanganate for few minutes and then transferred to glass aquarium. Unhealthy and injured fishes were rejected. Experiments were performed after a minimum acclimatization period of seven days in the laboratory. The fishes were divided into ten groups depending upon their body weights (viz. 11.20, 21.30, 30, 40, 50 and 101-110g) etc. each containing ten fishes (but kept separately in small glass aquarium). They were fed once daily (at 11.00 AM) with weighed chopped goat liver <i>ad libitum</i>. Unstarved food, if any was removed, dried and weighed. The</p>	

<p>Studies on Some aspect of Bioenergetic in a Teleostean fish in Channa Striatus (Bloch) : Energy Value of Metabolism (Respiration)</p>	<p>Dr. Aftab Ahmad Khan</p>	<p>Zoology</p>	<p>Proc. Zool.Soc.India</p>	<p>2018</p>	<p>0972-6683</p>	<p>https://www.connec-tiourna-ls.com/pages/journal-details/CJ-037285/volumelist</p>	
<p>Studies on Energy Budget in Relation to Various Dietary condition in a Fish, Channa Striatus (Bloch)</p>							