



सत्यमेव जयते

Government of West Bengal
Office of the Principal

GOVERNMENT GENERAL DEGREE COLLEGE, KESHIARY

At.-Telipukur : P.O.- Tilaboni Mahisamura : P.S.- Keshiary

Dist- Paschim Medinipur : PIN-721135

www.ggdckeshiary.ac.in

Criteria 3: Research, Innovations and Extensions

3.3. Research Publications and Awards

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

Year	2018	2019	2020	2021	2022	Total
Number of Research Paper Published	08	04	04	12	06	34

Contents:

1. Year wise publication list of the last five years with link of the journals and article page
2. Justification Letter regarding affiliation of some articles




Officer-in-Charge
Govt. Gen. Degree College
Keshiary



सत्यमेव जयते

Government of West Bengal
Office of the Principal

GOVERNMENT GENERAL DEGREE COLLEGE, KESHIARY

At.-Telipukur : P.O.- Tilaboni Mahisamura : P.S.- Keshiary

Dist- Paschim Medinipur : PIN-721135

www.ggdckeshiary.ac.in

Year wise List of Publications in Journals

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
Year (2022)								
Condition dependent self-aggregation behaviour of aerosol-OT in mixed water-alcohol media: Physicochemical investigation	A. Pan, B. V. N Phani Kumar, Soumya Sundar Mati , A. Mal, G. KS Prameela, V. K Aswal, S. P Moulik	Department of Chemistry, GGDC, Keshiary	Journal of Molecular Liquids (Elsevier)	2022	ISSN 0167-7322	https://www.sciencedirect.com/journal/journal-of-molecular-liquids	https://www.sciencedirect.com/science/article/pii/S0167732222004317	Yes (Scopus indexed) IF 5.3
Iron-Catalyzed Intermolecular Amination of Benzylic C(sp ³)-H Bonds.	Khatua, H. ; Das, S.; Patra, S.; Das, S. K.; Roy, S.; Chattopadhyay, B.	Department of Chemistry, GGDC, Keshiary	Journal of the American Chemical Society (American Chemical Society)	2022	ISSN 0002-7863	https://pubs.acs.org/journal/jacsat	https://doi.org/10.1021/jacs.2c10719	Yes (Scopus indexed) IF 14.4
On a new species of the genus <i>Zavrelimyia</i> Fittkau, 1962 (Diptera: Chironomidae) from India with cladistic relationship and a world key to the known males	Debarshi Mondal , Tuhar Mukherjee and Niladri Hazra	Department of Zoology, GGDC, Keshiary	Zootaxa (Magnolia Press)	2022	ISSN 1175-5326	https://www.mapress.com/zt/	https://doi.org/10.11646/zootaxa.5154.3.9	Yes (Scopus indexed) IF 1.0
Two new species of <i>Monopelopia</i> Fittkau, 1962 from forests in India along with a key to Adult males of Oriental and Palearctic species (Diptera: Chironomidae)	Debarshi Mondal , Tuhar Mukherjee and Niladri Hazra	Department of Zoology, GGDC, Keshiary	Chironomus Journal of Chironomidae Research	2022	ISSN 0172-1941	https://www.ntnu.no/ojs/index.php/chironomus	https://doi.org/10.5324/cjcr.v0i3.5.4599	Yes (WEB OF SCIENCE)



Ankushabarty
Officer-in-Charge
Govt. Gen. Degree College
Keshiary



सत्यमेव जयते

Government of West Bengal
Office of the Principal

GOVERNMENT GENERAL DEGREE COLLEGE, KESHIARY

At.-Telipukur : P.O.- Tilaboni Mahisamura : P.S.- Keshiary

Dist- Paschim Medinipur : PIN-721135

www.ggdckeshiary.ac.in

A comparative analysis on the effects of temperature and humidity on selective species of chironomid midges from West Bengal, India	Tuhar Mukherjee, Debarshi Mondal and Niladri Hazra	Department of Zoology, GGDC, Keshiary	Environment and Ecology (Macrothink Institute)	2022	ISSN 0970-0420	https://environmentandecology.com	https://www.cabidigitallibrary.org/doi/pdf/10.5555/20220422997	Yes (WEB OF SCIENCE) IF 0.24
Prevalence and Factors Overweight/ Obesity in Adolescent School Girls: A Cross-Sectional Study in Kolkata, India	Papiya Roy, Suman Chakrabarty, Diptendu Chatterjee, Premananda Bharati	Department of Anthropology, GGDC, Keshiary	Anthropological Review (Annual Reviews, Stanford University Press)	2022	ISSN 2083-4594	https://czasopisma.uni.lodz.pl/ar/index	https://czasopisma.uni.lodz.pl/ar/article/view/13219	Yes (WEB OF SCIENCE) IF 0.59
Year (2021)								
Bivalve haemocyte adhesion, aggregation and phagocytosis: A tool to reckon arsenic induced threats to freshwater ecosystem.	Sudipta Chakraborty* , Mitali Ray, Sajal Ray (corresponding Author)	Department of Zoology, GGDC, Keshiary	Fish & Shellfish Immunology (Elsevier)	2021	Online ISSN: 1095-9947 Print ISSN: 1050-4648	https://www.sciencedirect.com/journal/fish-and-shellfish-immunology	https://doi.org/10.1016/j.fsi.2021.05.008	Yes (Scopus indexed) IF 4.1
An inventory of ethnomedicinal climbers from the southern part of West Bengal.	Achintya K Samnata, Susanta Kumar Maity* (corresponding Author)	Department of Botany, GGDC, Keshiary	Flora and Fauna	2021	ISSN 0971-6920	http://floraandfona.org.in	https://doi.org/10.33451/florafau.v27i1pp85-95	Yes Indexed in Web of Science (Zoological Record)
Allelopathic effects of Anthocephalus cadamba on germination and growth behaviour of some pulses	Sk Md Ismail Al Amin* (corresponding Author)	Department of Botany, GGDC, Keshiary	Flora and Fauna	2021	ISSN 0971-6920	http://floraandfona.org.in	https://doi.org/10.33451/florafau.v27i2pp209-216	Yes Indexed in Web of Science (Zoological Record)
Water quality indices- A comparative review.	Sutapa Ray* (corresponding Author)	Department of Chemistry, GGDC, Keshiary	Indian Journal of Environmental Protection (Kalpana Publication)	2021	ISSN 0253-7141	https://www.e-ijep.co.in	https://www.e-ijep.co.in/41-10-1182-1188/	Yes (Scopus indexed) IF 0.18
A proposed quality index for discharged mine water—based on Indian environmental regulations.	Sutapa Ray & Kaushik Dey	Department of Chemistry,	Arabian Journal of Geosciences	2021	ISSN 1866-7511	https://link.springer.com/journal/1251	https://doi.org/10.1007/s12517-	Yes (Scopus)



Chakraborty
Officer-in-Charge
Govt. Gen. Degree College
Keshiary



सत्यमेव जयते

Government of West Bengal
Office of the Principal**GOVERNMENT GENERAL DEGREE COLLEGE, KESHIARY**

At.-Telipukur : P.O.- Tilaboni Mahisamura : P.S.- Keshiary

Dist- Paschim Medinipur : PIN-721135

www.ggdckeshiary.ac.in

		GGDC, Keshiary	es (Springer)			7	021- 08343-1	indexe d) IF 1.8
Effect of ancillary ligand on DNA and protein interaction of the two Zn (II) and Co (III) complexes: experimental and theoretical study	M. Das, P. Brandao, Soumya Sundar Mati , S. Roy, A. Anoop, A. James, S. De, U. K. Das, S. Laha, J. Mondal, B. C. Samanta, T. Maity	Department of Chemistry, GGDC, Keshiary	Journal of Biomolecular Structure and dynamics (Taylor and Francis Ltd)	2021	ISSN 1538-0254	https://www.tandfonline.com/toc/tbsd20/current	https://doi.org/10.1080/07391102.2021.2001377	Yes (Scopus indexed) IF 5.2
Synthesis of an Unprecedented H-stitched Binuclear Crystal Structure Based on Selective Fluorescence Recognition of Zn ²⁺ in Newly Synthesized Schiff Base Ligand with DFT and Imaging Application in Living Cells,	Soumya Sundar Mati* , S. Konar, B Samai (corresponding Author)	*Department of Chemistry, GGDC, Keshiary	New Journal of Chemistry (Royal Society of Chemistry)	2021	ISSN 1369-9261	https://pubs.rsc.org/en/journals/journalissues/nj#recentarticles&adv	https://doi.org/10.1039/D1NJ03471E	Yes (Scopus indexed) IF 2.7
Active Bromoaniline-Aldehyde Conjugate Systems and Their Complexes as Versatile Sensors of Multiple Cations with Logic Formulation and Efficient DNA/HSA-Binding Efficacy: Combined Experimental and Theoretical Approach	M. Das, S. Mukherjee, P. Brandao, S. K. Seth, S. Giri, Soumya Sundar Mati , B. C. Samanta, S. Laha, T. Maity*	Department of Chemistry, GGDC, Keshiary	ACS Omega (American Chemical Society)	2021	ISSN 2470-1343	https://pubs.acs.org/journal/acsodf	https://doi.org/10.1021/acsomega.0c05189	Yes (Scopus indexed) IF 4.1
Iron catalyzed radical activation mechanism for denitrogenative rearrangement over C(sp ³ -H) amination.	Roy, S., Das, S K. Khatua, H. , Das, S. Chattopadhyay, B,	Department of Chemistry, GGDC, Keshiary	Angew. Chem. Int. Ed. (Wiley-VCH)	2021	ISSN 1433-7851	https://online.library.wiley.com/journal/15213773	https://onlinelibrary.wiley.com/doi/abs/10.1002/anie.202014950	Yes (Scopus indexed) IF 16.6
Dual reactivity of 1,2,3,4-tetrazole: Manganese catalyzed click reaction and denitrogenative annulation	Khatua, H. , Das, S. K., Roy. S. Chattopadhyay, B	Department of Chemistry, GGDC, Keshiary	Angew. Chem. Int. Ed. (Wiley-VCH)	2021	ISSN 1433-7851	https://online.library.wiley.com/journal/15213773	https://onlinelibrary.wiley.com/doi/abs/10.1002/anie.202009078	Yes (Scopus indexed) IF 16.6
Road Map for the Construction of High-Valued N-Heterocycles via Denitrogenative Annulation	Roy, S.; Das, S. K.; Khatua, H. ; Das, S.; Chattopadhyay, B.	Department of Chemistry, GGDC, Keshiary	Accounts of Chemical Research (American Chemical	2021	ISSN 1520-4898	https://pubs.acs.org/journal/achre4	https://pubs.acs.org/doi/10.1021/acs.accounts.1c00563	Yes (Scopus indexed) IF 20.2



Ankush
Officer-in-Charge
Govt. Gen. Degree College
Keshiary



सत्यमेव जयते

Government of West Bengal
Office of the Principal

GOVERNMENT GENERAL DEGREE COLLEGE, KESHIARY

At.-Telipukur : P.O.- Tilaboni Mahisamura : P.S.- Keshiary

Dist- Paschim Medinipur : PIN-721135

www.ggdckeshiary.ac.in

			Society)					
A new species of <i>Procladius</i> Skuse (Diptera, Chironomidae) and first record of <i>P. Culiciformis</i> (Linnaeus) from India with a key and tentative Phylogenetic relationship within the genus	Debarshi Mondal, Tuhar Mukherjee and Niladri Hazra	Department of Zoology, GGDC, Keshiary	Journal of Insect Biodiversity (The Entomological Society of Iran)	2021	ISSN 2538-1318	https://mapress.com/jib	https://mapress.com/jib/issue/view/8343	Yes (WEB OF SCIENCE) IF 0.7
Year (2020)								
Conservation of medicinally important plant through somatic embryogenesis : case study with <i>Eupatorium ayapana</i> vent. (Asteraceae)	Susanta Kumar Maity* (*corresponding Author)	Department of Botany, GGDC, Keshiary	J. Environ. & Sociobiol	2020	ISSN 0973-0834	https://researcher.life/journal/journal-of-environment-and-sociobiology/15942	https://www.ioscholar.in/index.php/JESEB/article/view/203271	Yes WEB OF SCIENCE, Zoological Records, and ICI UGC-CARE (Group II)
Coal Mine Water Drainage: The Current Status and Challenges.	Sutapa Ray & Kaushik Dey	Department of Chemistry, GGDC, Keshiary	J. Inst. Eng. India Ser.D (Springer)	2020	ISSN 2250-2122	https://link.springer.com/journal/40033	http://doi.org/10.1007/s40033-020-00222-5	Yes (Scopus indexed)
Insights on The Interaction of Phenothiazinium Dyes Methylene Blue and New Methylene Blue With Synthetic Duplex RNAs Through Spectroscopy and Modeling.	P. Paul, Soumya Sundar Mati, G., S. Kumar	Department of Chemistry, GGDC, Keshiary	Journal of Molecular Structure Photochemistry & Photobiology, B: Biology (Elsevier)	2020	ISSN 1011-1344	https://www.sciencedirect.com/journal/journal-of-photochemistry-and-photobiology-b-biology	https://doi.org/10.1016/j.jphotobiol.2020.111804	Yes (Scopus indexed) IF 3.9
A new species of the genus <i>Larsia</i> Fittkau (Diptera: Chironomidae) from India, with cladistic analysis and a world key to the known males	Mondal, D., Mukherjee. T., Hazra, N.	Department of Zoology, GGDC, Keshiary	Zootaxa (MAGNOLIA PRESS)	2020	ISSN 1175-5326	https://www.mapress.com/zt/	https://doi.org/10.11646/zootaxa.4859.3.2	Yes (Scopus indexed) IF 1.0
Year (2019)								



Ankush Chakraborty
Officer-in-Charge
Govt. Gen. Degree College
Keshiary



सत्यमेव जयते

Government of West Bengal
Office of the Principal

GOVERNMENT GENERAL DEGREE COLLEGE, KESHIARY

At.-Telipukur : P.O.- Tilaboni Mahisamura : P.S.- Keshiary

Dist- Paschim Medinipur : PIN-721135

www.ggdckeshiary.ac.in

Antiamyloid activity of functionalized cerium oxide nanoparticle on lysozyme fibrillation: Spectroscopic and microscopic investigation	B. Samai, A. Basu, Soumya Sundar Mati , S. C. Bhattacharya	Department of Chemistry, GGDC, Keshiary	Materialia (Elsevier)	2019	ISSN 2589-1529	https://www.sciencedirect.com/journal/materialia	https://doi.org/10.1016/j.mtla.2019.100285	Yes (Scopus indexed) IF 3.0
Exploring selective recognition between Fe ²⁺ , Fe ³⁺ and their implementation in bio-imaging: A combined spectroscopic and theoretical investigation	Soumya Sundar Mati* , D. Singharoy, B. Samai, S. Konar, N. Santra, S. Pal, P. Das, S. Murmu (*corresponding Author)	Department of Chemistry, GGDC, Keshiary	Journal of Molecular Structure (Elsevier)	2019	ISSN 0022-2860	https://www.sciencedirect.com/journal/journal-of-molecular-structure	https://doi.org/10.1016/j.molstruc.2019.02.020	Yes (Scopus indexed) IF 4.0
The Application of Silver Nanoclusters to Sensing, Cell Imaging and Construction of Molecular Logic Gates	B. Samai, Soumya Sundar Mati , D. Singharoy, S. C. Bhattacharya	Department of Chemistry, GGDC, Keshiary	Chemistry Select (Wiley-VCH)	2019	ISSN 2365-6549	https://chemistry-europe.onlinelibrary.wiley.com/journal/23656549	https://doi.org/10.1002/slct.201804042	Yes (Scopus indexed) IF 2.1
Tumor suppressor p53-Mediated structural reorganization of the transcriptional coactivator p300	Raka Ghosh, Stephanie Kaypee, Manidip Shasmal , Tapas K Kundu, Siddhartha Roy and Jayati Sengupta	Department of Zoology, GGDC, Keshiary	Biochemistry (American Chemical Society)	2019	ISSN 1520-4995	https://pubs.acs.org/journal/bichaw	https://doi.org/10.1021/acs.biochem.9b00333	Yes (Scopus indexed) IF 2.9
Year (2018)								
Cytogenetic effects of fungicide Fludioxonil on root meristem cells of <i>Lens esculenta</i> L.	Susanta Kumar Maity* (*corresponding Author)	Department of Botany, GGDC, Keshiary	Indian Journal of Applied & Pure Biology (Shaukat Saeed Khen : Bhopal)	2018	ISSN 0970-2091	https://biology-journal.org/	https://biology-journal.org/journal/volume33/issue65/ijapb33-1-99.html	An ISI, Peer Reviewed & Refereed Journal, UGC approved Journal
A micropropagation technique of <i>Hemidesmus indicus</i> (Asclepiadaceae), a valuable medicinal plant	Susanta Kumar Maity* (*corresponding Author)	Department of Botany, GGDC, Keshiary	Flora and Fauna	2018	ISSN 0971-6920	http://floraandfauna.org.in	https://doi.org/10.33451/florafau.v24i1pp16-20	Yes Indexed in Web of Science (Zoological Record)



Anilabarty
Officer-in-Charge
Govt. Gen. Degree College
Keshiary



सत्यमेव जयते

Government of West Bengal
Office of the Principal

GOVERNMENT GENERAL DEGREE COLLEGE, KESHIARY

At.-Telipukur : P.O.- Tilaboni Mahisamura : P.S.- Keshiary

Dist- Paschim Medinipur : PIN-721135

www.ggdckeshiary.ac.in

Exploitation of the soil isolates for the production of amino acids.	Madhumita Maitra, Nilay Kumar Maitra* (*corresponding Author)	Department of Botany, GGDC, Keshiary	International Journal of Advance research in Science and Engineering	2018	ISSN 2319-8354	http://www.ijarse.com/pastissue.php	http://www.ijarse.com/images/fullpdf/1521452596_DACE2100ijarse.pdf	Yes (Not Scopus indexed)
Feasibility of CO2 Sequestration as a closure option for underground coal mine.	Sutapa Ray & Kaushik Dey	Department of Chemistry, GGDC, Keshiary	J. Inst. Eng. India Ser.D	2018	ISSN 2250-2122	https://link.springer.com/journal/40033	https://doi.org/10.1007/s40033-018-0153-8	Yes (Scopus indexed)
Application of intramolecular carbonyl-ene reaction towards the synthesis of idarubicinone scaffold.	Shyam Basak, Sutapa Ray & Dipakranjan Mal	Department of Chemistry, GGDC, Keshiary	Arkivoc	2018	ISSN 1551-7004	https://www.arkat-usa.org	https://doi.org/10.24820/ark.5550190.p009.921	Yes (Scopus indexed) IF 0.8
Inhibition of fibrillation of lysozyme by folic acid functionalized cerium oxide nanoparticle,	B Samai, Soumya Sundar Mati , S. C. Bhattacharya,	Department of Chemistry, GGDC, Keshiary	J. Indian Chem. Soc. (Elsevier)	2018	ISSN 0019 4522	https://www.sciencedirect.com/journal/journal-of-the-indian-chemical-society	https://doi.org/10.5281/zenodo.5642710	Yes (Scopus indexed) IF 3.2
Role of Silver Nanoclusters in the Enhanced Photocatalytic Activity of Cerium Oxide Nanoparticles	B Samai, S. Chall, Soumya Sundar Mati , S. C. Bhattacharya	Department of Chemistry, GGDC, Keshiary	Eur. J. Inorg. Chem. (Wiley – VCH)	2018	ISSN 1434-1948	https://chemistry-europe.onlinelibrary.wiley.com/journal/10990682	https://doi.org/10.1002/ejic.201800230	Yes (Scopus indexed) IF 2.5
Association of socio-demographic and reproductive variables with menopause-specific quality of life using principal component analysis	Nivedita Som, Papiya Roy & Subha Ray	Department of Anthropology, GGDC, Keshiary	Women & health (Taylor and Francis)	2018	ISSN 0363-0242	https://www.tandfonline.com/toc/wwah20/current	https://doi.org/10.1080/0363024.2018.1449775	Yes (Scopus indexed) IF 1.9



Shikshak
Officer-in-Charge
Govt. Gen. Degree College
Keshiary



सत्यमेव जयते

Government of West Bengal
Office of the Principal

GOVERNMENT GENERAL DEGREE COLLEGE, KESHIARY

At.-Telipukur : P.O.- Tilaboni Mahisamura : P.S.- Keshiary

Dist- Paschim Medinipur : PIN-721135

www.ggdckeshiary.ac.in

TO WHOM IT MAY CONCERN


It is to testify that the following teachers of Government General Degree College, Keshiary as tabulated below have publications entitled to their respective names but having affiliations with the mentioned institutes.

Sl No	Name	Affiliated Institute	Justification
1.	Dr. Manidip Shasmal	Department of Biophysics, Bose Institute, Kolkata, India	The publication is a result of past post-doctoral work of the author published between 2018-2022 while in present service.
2.	Dr. Hillol Khatua	Center of Bio-Medical Research, Division of Molecular Synthesis & Drug Discovery, SGPGIMS Campus, Raebareli Road, Lucknow 226014, Uttar Pradesh, India	The publications are a result of doctoral thesis work of the author published between 2018-2022 while in present service.
3.	Dr. Debarshi Mondal	<i>Entomology Research Unit, Department of Zoology, The University of Burdwan, Burdwan, India, 713104</i>	The publications are a result of doctoral thesis work of the author published between 2018-2022 while in present service.
4.	Dr. Sutapa Ray	IIT, Kharagpur, Paschim Medinipur, West Bengal	The publications are a result of doctoral thesis work of the author published between 2018-2022 while in present service.

The justification for such authorship and affiliation has been mentioned above.




Officer-in-Charge
Govt. Gen. Degree College
Keshiary


Officer-in-Charge
Govt. Gen. Degree College
Keshiary