



SWAMI VIVEKANANDA INSTITUTE OF MODERN SCIENCE

Sonarpur Station Road, Karbala,
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An ISO 9001:2008 Certified Institute

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Swami Vivekananda Institute of Modern Science, Sonarpur Station Road, Karbala, Kolkata – 700 103, West Bengal
is affiliated to the
MAULANA ABUL KALAM AZAD UNIVERSITY OF TECHNOLOGY, WEST BENGAL

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

Title of the Paper	Name of the author/s	Department of the teacher	Name of Journal	Calendar Year of Publication	ISSN number	Link to article / paper / abstract of the article	Link to the recognition in UGC enlistment of the Journal / Digital Object Identifier (doi) number	Is it listed in UGC Care List	Affiliated Institution
"Effect of heavy metal (loid)s on the reproductive performance of catfish, <i>Clarias batrachus</i> (Linnaeus)"	Nilanjana Bhattacharyya Nath	Biotechnology	IJETS	2019	NA	Server under maintenance	www.journalijets.org	YES	SVIMS
"EFFECT OF HEAVY METAL (LOID)S ON THE LEVEL OF GONADAL HORMONE DURING THE SEXUAL MATURITY AND BREEDING PERIOD OF CATFISH, <i>Clarias batrachus</i> (L.)"	Nilanjana Bhattacharyya Nath	Biotechnology	JETIR	2019	2349-5162	https://www.jetir.org/view?paper=JETIR1906X50	https://www.jetir.org/past-issues	YES	SVIMS
"LEAD NITRATE INDUCED BIOCHEMICAL CHANGE ON THE GONAD AND THE GONADAL DEVELOPMENT OF THE CATFISH, <i>Clarias batrachus</i> (Linnaeus)"	Nilanjana B. Nath, B. C. Patra	Biotechnology	IJETS	2019	NA	Server under maintenance	www.journalijets.org	YES	SVIMS
"COMPARATIVE STUDY ON EXTRACTION OF CAFFEINE FROM THREE DIFFERENT ROASTED TEA AND GREEN TEA AND DETERMINATION OF OPTIMUM CONSUMPTION OF TEA PER DAY FOR AN ADULT"	Nilanjana Bhattacharyya Nath	Biotechnology	IJEDR	2019	2321-9939	https://www.ijedr.org/viewfull.php?&p_id=IJEDR1903049	https://www.ijedr.org/	Yes	SVIMS
"ARGEMONE OIL, A COMMON ADULTERANT OF MUSTERD OIL IN INDIA : THREAT TO HUMAN HEALTH"	Nilanjana Bhattacharyya Nath	Biotechnology	IJEDR	2019	2321-9939	https://www.ijedr.org/viewfull.php?&p_id=IJEDR1904072	https://www.ijedr.org/	Yes	SVIMS
Authentication of Study Material in E-Learning using Digital Signature Algorithms	Ambalika Ghosh	Computer Application & Science	International Journal of Computer Sciences and Engineering	2019	2347-2693(E)	https://www.ijcseonline.org/ijcse_search.php?txtsearch=karfo&rma&submit=Search	https://www.ijcseonline.org/	Yes	SVIMS
Performance Analysis of an Object Oriented Model for Secure E-Learning System	Ambalika Ghosh	Computer Application & Science	Adalya Journal	2020	1301- 2746	https://doi.org/10.37896/aj9.5/050	https://doi.org/10.37896/aj9.5/050	Yes(WoS)	SVIMS
"Adverse Effect Of Honey On Infants: InfantIntestinal Toxemia Botulism, A Neuroparalytic Disease"	Nilanjana Bhattacharyya Nath, Debdeep Das, Shilpa Ghosh	Biotechnology	IJEDR	2020	2321-9939	https://www.ijedr.org/	https://www.ijedr.org/viewfull.php?&p_id=IJEDR2003042	Yes	SVIMS
"Comparative Study of Whole mount staining of Bones and Cartilage of Selected bony fishes by Alizarin red S and Alcian blue"	Abhijit Dutta, Panchanan Das, Shristi Singh, Sonali Nayek, Reetika Sah, Asiya Anwar, Nilanjana Bhattacharyya Nath	Biotechnology	Journal of Fisheries and Life Sciences	2020	2456-6268	https://www.fishifesciencejournal.com/	https://www.fishifesciencejournal.com/download/2020/v5.12/81/162.pdf	Yes	SVIMS




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Analysis of an Imprecise Delayed SIR Model System with Holling Type-III Treatment Rate	Ashish Acharya	BCA	Springer Nature Journal	2021	335-346	https://doi.org/10.1007/978-981-19-0182-9_34	https://link.springer.com/chapter/10.1007/978-981-19-0182-9_34	Yes	SVIMS
Numerical Solution of Fuzzy Delayed Prey-Predator Model: Hukuhara Derivative Approach	Ashish Acharya	BCA	Gradiva Review Journal	2022	0363-8057	https://www.researchgate.net/publication/362236034_Numerical_Solution_of_Fuzzy_Delayed_Prey-Predator_Model_Hukuhara_Derivative_Approach	https://gradivareview.com/		SVIMS
Enhanced Security Procedure in Digital E-Learning: Dynamic Elliptic Curve Key Generation & AES Transmission	Ambalika Ghosh	Computer Application & Science	Vidyabharati International Interdisciplinary Research Journal	2021	2319-4979	chrome-extension://efaidnbmnllkpcapglekndmkjhttps://www.virj.org/specialissue2021.html	https://www.virj.org/specialissue2021.html	Yes(WoS)	SVIMS
An Efficient and Fast Security Technique for Online Services and Applications	Ambalika Ghosh	Computer Application & Science	Design Engineering	2021	0011-9342	https://ores.su/en/journals/design-engineering-toronto/	https://ores.su/en/journals/design-engineering-toronto/	Yes(Scopus)	SVIMS
A Fast And Efficient Document Encryption Method For E-Learning Applications Using Modified AES-CBC With Chaotic Logistic Pseudo Random Number Sequence	Ambalika Ghosh	Computer Application & Science	Advances in Mechanics	2021	1000-0992	https://advancesinmechanics.com/1051.php	https://advancesinmechanics.com/	Yes(Scopus)	SVIMS
Object Oriented Analysis and Design of El Gamal Digital Signature Algorithm for Document Authentication in E-Learning	Ambalika Ghosh	Computer Application & Science	Webology	2022	1735-188X	https://www.webology.org/issue.php?volume=19&issue=53&page=5	https://www.webology.org/indexing.php	Yes(Scopus)	SVIMS
Application of EC-Elgamal Digital Signature for Image Authentication in Government E-services	Ambalika Ghosh	Computer Application & Science	International Journal of Mechanical Engineering	2022	0974-5823	https://www.kalaharjournals.com/ijme-vol7-issue-feb2022.php	https://www.kalaharjournals.com/journals.php	Yes(Scopus)	SVIMS
"SKIN BIOPRINTING: AN INNOVATIVE TECHNOLOGY FOR SKIN RECONSTRUCTION"	Nilanjana Bhattacharyya Nath, Meghali Sen Majumder, Ena Kundu	Biotechnology	IJAEM	2022	2395-5252	https://ijem.net/issue_dcpj/53in%20bioprinting%20%20a%20innovativ%20technology%20for%20skin%20reconstruction.pdf	https://www.ijem.net/	Yes	SVIMS
"EXTRA PULMONARY MANIFESTATIONS IN COVID-19: A REVIEW ON HISTOPATHOLOGICAL ALTERATIONS"	Nilanjana Bhattacharyya Nath, Anjali Smita, Abhijit Dutta	Biotechnology	J Pathol Dis Biol	2022	DOI: 10.35841/aapdb	https://www.alliedacademies.org/articles/extra-pulmonary-manifestations-in-covid19-a-review-on-histopathological-alterations-21654.html	https://www.alliedacademies.org/pathology-and-disease-biology/	Yes	SVIMS
The Evolution of Marketing Animation as An Integral Part of Business Communication. International Journal of Science & Engineering Development Research	Bivash Saha , Moumita Basu	BBA	International Journal of Science & Engineering Development Research	2022	ISSN:2455- 2631		Welcome to ISDR UGC CARE norms ugc approved journal norms IRTI Research Journal ISSN : 2455-2631	No	SVIMS
The Evolution of Marketing Animation as An Integral Part of Business Communication	MOUMITA BASU	MEDIA SCIENCE	International Journal of Science & Engineering Development Research	2022	ISSN:2455-2631	ISDR2121108.pdf	Welcome to ISDR UGC CARE norms ugc approved journal norms IRTI Research Journal ISSN : 2455-2631	NO	SVIMS
Reflection of Education on Profession; A Study of Survival Struggle of The Tribal Community of Indian Sundarban.	MOUMITA BASU	MEDIA SCIENCE	Tribal Studies, The Journal of Coats	2022	ISSN No.2321-3396	NO	https://tsjcoats.in/#:~:text=TRIBAL%20STUDIES%20THE%20JOURNALS%20OF%20PROBLEMS%20%20SCHEDULED%20Tribes	YES	SVIMS



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A COMPARATIVE STUDY OF ANTIMICROBIAL ACTIVITY OF CLOVE, CINNAMON AND BAY LEAF EXTRACTS AGAINST E. COLI & S. AUREUS	Niranjana Bhattacharyya Nath, Gargi Gupta, Arya Baidya, Shovik Roy	Biotechnology	WORLD JOURNAL OF PHARMACY AND PHARMACEUTICAL SCIENCES	2024	2278 – 4357	https://storage.googleapis.com/journal-uploads/wjpps/article_issue/1714649056.pdf	https://www.wjpps.com/	Yes	SVIMS
Quota Harvesting Logistic Growth Model: A Neurotrophic Differential Equation Approach	Ashish Acharya	BCA	Taylor & Francis Group, LLC	2024	5086029	https://www.researchgate.net/publication/378129207_Chapter_8_Quota_Harvesting_Logistic_Growth_Model_A_Neurotrophic_Differential_Equation_Approach	https://www.researchgate.net/publication/378129207_Chapter_8_Quota_Harvesting_Logistic_Growth_Model_A_Neurotrophic_Differential_Equation_Approach	Yes	SVIMS
Analysis of drug diffusion in human connective tissue in neurotrophic environment	Ashish Acharya	BCA	Neurotrophic Sets and System	2023	23316055, 2331608X	https://www.researchgate.net/publication/377699591_Analysis_of_drug_diffusion_in_human_connective_tissue_in_neurotrophic_environment	https://www.researchgate.net/publication/377699591_Analysis_of_drug_diffusion_in_human_connective_tissue_in_neurotrophic_environment	Yes	SVIMS
An intuitionistic fuzzy differential equation approach for the lake water and sediment phosphorus model	Ashish Acharya	BCA	Healthcare Analytics	2023	100294	10.1016/j.health.2023.100294	https://www.sciencedirect.com/science/article/pii/S2772445230016127viaIiD		SVIMS
A two-compartment drug concentration model using intuitionistic fuzzy sets	Ashish Acharya	BCA	Decision Analytics Journal	2023	100386	DOI:10.1016/j.dajour.2023.100386	https://www.sciencedirect.com/science/article/pii/S277266223002667viaIiD		SVIMS
Study of SEIR Epidemic Model in Infected Individuals in Imprecise Environment	Ashish Acharya	BCA	ICMMCS 2023	2023	371-380	https://www.researchgate.net/publication/372491258_Study_of_SEIR_Epidemic_Model_in_Infected_Individuals_in_Imprecise_Environment	Proceedings-International-Conference-Mathematical-Computational/dp/9819936101		SVIMS
The Scenario of COVID-19 Pandemic in Brazil Using SEIR Epidemic Model	Ashish Acharya	BCA	ICMMCS 2023	2023	978-981-99-3611-3	DOI:10.1007/978-981-99-3611-3_34	https://www.researchgate.net/publication/373474507_The_Scenario_of_COVID-19_Pandemic_in_Brazil_Using_SEIR_Epidemic_Model		SVIMS
Study of a Fuzzy Prey Predator Harvested Model: Generalised Hukuhara Derivative Approach	Ashish Acharya	BCA	ICMMCS 2023	2023	23316055, 2331608X	DOI:10.1007/978-981-99-3611-3_31	https://www.researchgate.net/publication/373474405_Study_of_a_Fuzzy_Prey_Predator_Harvested_Model_Generalised_Hukuhara_Derivative_Approach		SVIMS
A prey-refuge harvesting model using intuitionistic fuzzy sets	Ashish Acharya	BCA	Decision Analytics Journal	2023	23316055, 2331608X	DOI:10.1016/j.dajour.2023.100308	https://www.researchgate.net/journal/Decision-Analytics-Journal-2772-6622		SVIMS
A Neurotrophic differential equation approach for modeling glucose distribution in the bloodstream using neurotrophic sets	Ashish Acharya	BCA	Decision Analytics Journal	2023	100264	DOI:10.1016/j.dajour.2023.100264	https://www.researchgate.net/journal/Decision-Analytics-Journal-2772-6622		SVIMS
Implementation of IoT, Reshaping the retail industry and e-commerce-An Overview	Simi Roy Chowdhury	BCA	IJRSET	2024	e-ISSN : 2319-8753 p-ISSN: 2347-6710	https://www.ijrset.com/upload/2024/February/14_implementation.pdf	https://www.ijrset.com/volume-13-issue-2.html	Peer Reviewed	SVIMS
The Rural Development of West Bengal and Impact of Human Resource Management	Bivash Saha	BBA	International Journal of Humanities Social Science and Management	2023			International Journal of Humanities Social Science and Management IJHSSM	NO	SVIMS
Study of Comparison of Oral Fungal Flora of Smokers vs Non-Smokers in a Metropolitan City	Abhirup Ganguli	Microbiology	SVDA Microbiology	2023	ISSN: 2634-534X	https://sciencevolks.com/microbiology/pdf/SVDA-MB-04-036.pdf	https://sciencevolks.com/microbiology/	peer-reviewed	SVIMS
Study of Comparison of Oral Microbial Flora of Smokers vs Non-Smokers in a Metropolitan City	Abhirup Ganguli	Microbiology	Research in Medical & Engineering Sciences	2023	ISSN: 2576-8816	https://crimsonpublishers.com/rmes/pdf/RMES.000743.pdf	https://crimsonpublishers.com/rmes/	Yes	SVIMS



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