



# GOVERNMENT GENERAL DEGREE COLLEGE, TEHATTA

Tehatta, Nadia, Pin-741160


## CRITERION 3

### 3.3 Research Publications and Awards

Documentation w.r.t. 3.3.1 Number of research papers published per teacher in the Journals notified on UGC website during the last five years

**Link to re-directing to journal source-cite website in case of digital journals Year 2018-2022**



  
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## Link to re-directing to journal source-cite website in case of digital journals Year 2018

Sl No.	Title of Paper	Author	Department	Journal	Link	DoI
1	A Rough Approximation of Fuzzy Soft Set-Based Decision-Making Approach in Supplier Selection Problem	Supratim Mukherjee	Mathematics	Fuzzy Information and Engineering	<a href="https://www.tandfonline.com/loi/tfie20">https://www.tandfonline.com/loi/tfie20</a>	<a href="https://doi.org/10.1080/16168658.2018.1517973">https://doi.org/10.1080/16168658.2018.1517973</a>
2	The Concept of Justice and the Status of Women in Islam: A Theological and Philosophical Study	MD Najir Hossain	Philosophy	International Journal of Creative Research Thoughts	<a href="http://www.ijcrt.org">www.ijcrt.org</a>	<a href="https://ijcrt.org/papers/IJCR T113446 2.pdf">https://ijcrt.org/papers/IJCR T113446 2.pdf</a>

## Link to re-directing to journal source-cite website in case of digital journals Year 2019

Sl No.	Title of Paper	Author	Department	Journal	Link	DoI
1	Effects of fractional and two-temperature parameters on stress distributions for an unbounded generalized thermoelastic medium with spherical cavity	Md Abul Kashim Molla	Mathematics	Arab Journal of Basis and Applied Science	<a href="https://www.tandfonline.com/doi/full/10.1080/25765299.2019.1621511">https://www.tandfonline.com/doi/full/10.1080/25765299.2019.1621511</a>	<a href="https://doi.org/10.1080/25765299.2019.1621511">https://doi.org/10.1080/25765299.2019.1621511</a>



  
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## Link to re-directing to journal source-cite website in case of digital journals Year 2020

Sl No.	Title of Paper	Author	Department	Journal	Link	DoI
1	Hunger as a Metaphor of Emasculation in Bhabani Bhattacharya' He Who Rides a Jourr Tiger	Saswata Kusari	English	Asian Quarterly: An International Journal of Contemporary issues	<a href="https://www.iasepune.in/aq/">https://www.iasepune.in/aq/</a>	<a href="https://www.tehattagovtcollege.ac.in/NAAC/153412Research%20Paper%202020.pdf">https://www.tehattagovtcollege.ac.in/NAAC/153412Research%20Paper%202020.pdf</a>
2	Adsorption and anti-corrosion characteristics of vanillin Schiff bases on mild steel in 1 M HCl: experimental and theoretical study	Sanjoy Satpati	Chemistry	RSC Advances	<a href="https://pubs.rsc.org/en/content/articlehtml/2020/ra/c9ra07982c">https://pubs.rsc.org/en/content/articlehtml/2020/ra/c9ra07982c</a>	<a href="https://doi.org/10.1039/C9RA07982C">https://doi.org/10.1039/C9RA07982C</a>
3	Waves in generalized thermo-viscoelastic infinite continuum with cylindrical cavity due to three-phase-lag time-nonlocal heat transfer	Md Abul Kashim Molla	Mathematics	Journal of Thermal Stress	<a href="https://www.tandfonline.com/doi/abs/10.1080/01495739.2020.1749196">https://www.tandfonline.com/doi/abs/10.1080/01495739.2020.1749196</a>	<a href="https://doi.org/10.1080/01495739.2020.1749196">https://doi.org/10.1080/01495739.2020.1749196</a>
4	Threats of plastic pollution and awareness among common people: A multi attribute problem	Supratim Mukherjee	Mathematics	Eco. Env. & Cons	<a href="http://www.environmentaljournalsonline.com/EEC/v26i420/EEC-65.pdf">http://www.environmentaljournalsonline.com/EEC/v26i420/EEC-65.pdf</a>	<a href="https://www.tehattagovtcollege.ac.in/NAAC/153412Research%20Paper%202020.pdf">https://www.tehattagovtcollege.ac.in/NAAC/153412Research%20Paper%202020.pdf</a>
5	Bis-benzothiazoles as efficient corrosion inhibitors for mild steel in aqueous HCl: Molecular	Sanjoy Satpati	Chemistry	Journal of Molecular Liquids	<a href="https://www.sciencedirect.com/science/article/abs/pii">https://www.sciencedirect.com/science/article/abs/pii</a>	<a href="https://doi.org/10.1016/j.molliq.2020.113537">https://doi.org/10.1016/j.molliq.2020.113537</a>



  
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	structure-reactivity correlation study				<a href="#">/S0167732220313453</a>	
6	Influence of position of hydroxyl group of flavonoids on their binding with single stranded polyriboadenylic acid: A spectroscopic evaluation	Susmita Chowdhury	Chemistry	Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy	<a href="https://www.sciencedirect.com/science/article/pii/S1386142520309872?casa_token=kVvg9uVNwZcAAA:AAA:LqbOWbdcUmCMgG6xMZfgTCLhMnnKdwaoN5WXlkzS1oL1zIguTJzIw_p6218FWj4QLKJqjLhIg">https://www.sciencedirect.com/science/article/pii/S1386142520309872?casa_token=kVvg9uVNwZcAAA:AAA:LqbOWbdcUmCMgG6xMZfgTCLhMnnKdwaoN5WXlkzS1oL1zIguTJzIw_p6218FWj4QLKJqjLhIg</a>	<a href="https://doi.org/10.1016/j.saa.2020.119008">https://doi.org/10.1016/j.saa.2020.119008</a>
7	Federalism at the Crossroads: Crisis of the Linguistic Minorities in India	Pritin Dutta	Political Science	Rupkatha Journal on Interdisciplinary Studies in Humanities	<a href="http://rupkatha.com/V12/n5/rioc1s24n2.pdf">http://rupkatha.com/V12/n5/rioc1s24n2.pdf</a>	<a href="https://dx.doi.org/10.21659/rupkatha.v12n5.rioc1s24n2">https://dx.doi.org/10.21659/rupkatha.v12n5.rioc1s24n2</a>
8	A Spectroscopic Approach towards the Comparative Binding Studies of the Antioxidizing Flavonol Myricetin with Various Single-Stranded RNA	Susmita Chowdhury	Chemistry	Chemistry Select	<a href="https://chemistry-europe.onlinelibrary.wiley.com/doi/epdf/10.1002/slct.202003601">https://chemistry-europe.onlinelibrary.wiley.com/doi/epdf/10.1002/slct.202003601</a>	<a href="https://doi.org/10.1002/slct.202003601">https://doi.org/10.1002/slct.202003601</a>

## Link to re-directing to journal source-cite website in case of digital journals Year 2021

Sl No.	Title of Paper	Author	Department	Journal	Link	DoI
1	Amino acid and cinnamaldehyde conjugated Schiff bases as	Sanjoy Satpati	Chemistry	Journal of Molecular Liquids	<a href="https://www.sciencedirect.com/science/article/abs/pii">https://www.sciencedirect.com/science/article/abs/pii</a>	<a href="https://doi.org/10.1016/j">https://doi.org/10.1016/j</a>



  
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	proficient corrosion inhibitors for mild steel in 1 M HCl at higher temperature and prolonged exposure: Detailed electrochemical, adsorption and theoretical study				<a href="https://doi.org/10.1039/D0NJ04508J">/S0167732220373190</a>	<a href="https://doi.org/10.1039/D0NJ04508J">mollig.2020.115077</a>
2	Probing blood plasma samples for the detection of diabetes using SERS aided by PCA and LDA multivariate data analyses	Sumit Kumar Das	Physics	New Journal of Chemistry	<a href="https://pubs.rsc.org/en/content/articlehtml/2021/nj/d0nj04508j?casa_token=7DPB5wXsq68AAAAA:9AsfUtZur317LPcR6g-kRjND9BjE0H9L_SgP5q5f5qr60TFiDbikB-ztUS8iTfHDHkiRE-NGIQWk4w">https://pubs.rsc.org/en/content/articlehtml/2021/nj/d0nj04508j?casa_token=7DPB5wXsq68AAAAA:9AsfUtZur317LPcR6g-kRjND9BjE0H9L_SgP5q5f5qr60TFiDbikB-ztUS8iTfHDHkiRE-NGIQWk4w</a>	<a href="https://doi.org/10.1039/D0NJ04508J">https://doi.org/10.1039/D0NJ04508J</a>
3	One-pot facile synthesis and electrochemical evaluation of selenium enriched cobalt selenide nanotube for supercapacitor application.	Ajoy Mandal	Physics	Ceramics International	<a href="https://www.sciencedirect.com/science/article/abs/pii/S0272884221004508">https://www.sciencedirect.com/science/article/abs/pii/S0272884221004508</a>	<a href="https://doi.org/10.1016/j.ceramint.2021.02.093">https://doi.org/10.1016/j.ceramint.2021.02.093</a>
4	Variational principle, uniqueness and reciprocity theorems for higher order time-fractional four-phase-lag generalized thermoelastic diffusion model	Md Abul Kashim Molla	Mathematics	Mechanics Based Design of Structures and Machine	<a href="https://www.tandfonline.com/doi/full/10.1080/15397734.2021.1882311?casa_token=OcqObQe2aRAAAA%3A14yPTmiMzVV4Nu2nfpLWlAb54W_SNtdifnzFE1jJbwjgDQ6-">https://www.tandfonline.com/doi/full/10.1080/15397734.2021.1882311?casa_token=OcqObQe2aRAAAA%3A14yPTmiMzVV4Nu2nfpLWlAb54W_SNtdifnzFE1jJbwjgDQ6-</a>	<a href="https://doi.org/10.1080/15397734.2021.1882311">https://doi.org/10.1080/15397734.2021.1882311</a>



  
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					<a href="https://doi.org/10.1016/j.apsusc.2021.149773">k73wkTFVCB3Z 5TTwHgSyJFfhP dp-</a>	
5	Nitrogen vacancy and hydrogen substitution mediated tunable optoelectronic properties of g-C <sub>3</sub> N <sub>4</sub> 2D layered structures: applications towards blue LED to broad-band photodetection.	Ajoy Mandal	Physics	Applied Surface Science	<a href="https://www.sciencedirect.com/science/article/abs/pii/S0169433221008497">https://www.sciencedirect.com/science/article/abs/pii/S0169433221008497</a>	<a href="https://doi.org/10.1016/j.apsusc.2021.149773">https://doi.org/10.1016/j.apsusc.2021.149773</a>
6	Interface engineering of moisture-induced ionic albumen dielectric layers through self-crosslinking of cysteine amino acids for low voltage, high-performance organic field-effect transistors.	Ajoy Mandal	Physics	Nanoscale	<a href="https://pubs.rsc.org/en/content/articlelanding/2021/nr/d1nr02759j/unauth">https://pubs.rsc.org/en/content/articlelanding/2021/nr/d1nr02759j/unauth</a>	<a href="https://doi.org/10.1039/D1NR02759J">https://doi.org/10.1039/D1NR02759J</a>
7	Fuzzy Membership Function Evaluation by Non-Linear Regression: An Algorithmic Approach	Supratim Mukherjee	Mathematics	Fuzzy Information and Engineering	<a href="https://www.tandfonline.com/doi/full/10.1080/16168658.2021.1911567">https://www.tandfonline.com/doi/full/10.1080/16168658.2021.1911567</a>	<a href="https://doi.org/10.1080/16168658.2021.1911567">https://doi.org/10.1080/16168658.2021.1911567</a>
8	Silver nanodot decorated dendritic copper foam as a hydrophobic and mechano-chemo bactericidal surface.	Ajoy Mandal	Physics	Langmuir	<a href="https://pubs.acs.org/doi/abs/10.1021/acs.langmuir.1c00698">https://pubs.acs.org/doi/abs/10.1021/acs.langmuir.1c00698</a>	<a href="https://doi.org/10.1021/acs.langmuir.1c00698">https://doi.org/10.1021/acs.langmuir.1c00698</a>
9	Comparative binding studies on the interaction of the indoloquinoline alkaloid cryptolepine with the B and the non-canonical protonated form of DNA: A spectroscopic insight	Susmita Chowdhury	Chemistry	Biochimica et Biophysica Acta (BBA) - General Subjects	<a href="https://www.sciencedirect.com/science/article/pii/S0304416521001525?casa_token=kDThpgnjoYUAAA:AA:sFnmiAbRrBKGv56vx5145s">https://www.sciencedirect.com/science/article/pii/S0304416521001525?casa_token=kDThpgnjoYUAAA:AA:sFnmiAbRrBKGv56vx5145s</a>	<a href="https://doi.org/10.1016/j.bbagen.2021.129993">https://doi.org/10.1016/j.bbagen.2021.129993</a>



  
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					<a href="https://www.science/article/pii/S003986121002915?casa_token=8Nut1O3T-TAAAAAA:5XFZILwrwFTr-Dvb8GegDkFjSXZhLg6GEXy26I2wF8fjp1W5dXG6cZXEap-MS0qhLCtbuRLz_xg">hIcsqVcILg3ztZzwC2UwpJM8kgwDSjVL33u_TRwHU93kPRDP46A</a>	
10	The alkaloid cryptolepine as a source of polyadenylate targeting therapeutic agent: Induction of self-assembly in the polyadenylate moiety	Susmita Chowdhury	Chemistry	Archives of Biochemistry and Biophysics	<a href="https://www.sciencedirect.com/science/article/pii/S003986121002915?casa_token=8Nut1O3T-TAAAAAA:5XFZILwrwFTr-Dvb8GegDkFjSXZhLg6GEXy26I2wF8fjp1W5dXG6cZXEap-MS0qhLCtbuRLz_xg">https://www.sciencedirect.com/science/article/pii/S003986121002915?casa_token=8Nut1O3T-TAAAAAA:5XFZILwrwFTr-Dvb8GegDkFjSXZhLg6GEXy26I2wF8fjp1W5dXG6cZXEap-MS0qhLCtbuRLz_xg</a>	<a href="https://doi.org/10.1016/j.abb.2021.10.9042">https://doi.org/10.1016/j.abb.2021.10.9042</a>
11	Time-Nonlocal Six-Phase-Lag Generalized Theory of Thermoelastic Diffusion with Two-Temperature	Md Abul Kashim Molla	Mathematics	Waves in Random and Complex Media	<a href="https://www.tandfonline.com/doi/full/10.1080/17455030.2021.1974601?casa_token=qv8o5ATo3tQAAA%3AAQk-vhij2EavSdcUIv0IwzZHZEIvF4sMcnk6EYOCjQcY3hbjz7T4IopmoUy_14bC_6OEE2r2Olze">https://www.tandfonline.com/doi/full/10.1080/17455030.2021.1974601?casa_token=qv8o5ATo3tQAAA%3AAQk-vhij2EavSdcUIv0IwzZHZEIvF4sMcnk6EYOCjQcY3hbjz7T4IopmoUy_14bC_6OEE2r2Olze</a>	<a href="https://doi.org/10.1080/17455030.2021.1974601">https://doi.org/10.1080/17455030.2021.1974601</a>



  
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## Link to re-directing to journal source-cite website in case of digital journals Year 2022

Sl No.	Title of Paper	Author	Department	Journal	Link	DoI
1	Atomic-Scale Imaging and Nano-Scale Mapping of Cubic $\alpha$ -CsPbI <sub>3</sub> Perovskite Nanocrystals for Inverted Perovskite Solar Cells.	Ajoy Mandal	Physics	ACS Applied Materials & Interfaces	<a href="https://pubs.acs.org/doi/abs/10.1021/acsami.1c20794">https://pubs.acs.org/doi/abs/10.1021/acsami.1c20794</a>	<a href="https://doi.org/10.1021/acsami.1c20794">https://doi.org/10.1021/acsami.1c20794</a>
2	Application of Memory Dependent Derivatives on Three Phase Lag Theory with Two Temperature for an Unbounded Generalized Thermoelastic Medium Having Spherical Hole	Md Abul Kashim Molla	Mathematics	Journal of the Calcutta Mathematical Society	<a href="https://acrobat.adobe.com/id/urn:aaid:sc:AP:ef542403-f214-4303-b9be-41b6f20e8244">https://acrobat.adobe.com/id/urn:aaid:sc:AP:ef542403-f214-4303-b9be-41b6f20e8244</a>	<a href="https://www.tehattagovtcollege.ac.in/NAAC/153443Research%20Paper%202022.pdf">https://www.tehattagovtcollege.ac.in/NAAC/153443Research%20Paper%202022.pdf</a>
3	The Weaver Community of Murshidabad District: an overview	Avijit Saha	Political Science	International Journal of Integrated Research and Development	<a href="https://www.ijird.org/">https://www.ijird.org/</a>	<a href="https://www.tehattagovtcollege.ac.in/NAAC/153443Research%20Paper%202022.pdf">https://www.tehattagovtcollege.ac.in/NAAC/153443Research%20Paper%202022.pdf</a>
4	Anti-corrosive propensity of naturally occurring aldehydes and 1-(3-aminopropyl)imidazole condensed Schiff bases: Comparison on the effect of extended conjugation over electron donating substituents	Sanjoy Satpati	Chemistry	Journal of Molecular Structure	<a href="https://www.sciencedirect.com/science/article/abs/pii/S0022286022013394">https://www.sciencedirect.com/science/article/abs/pii/S0022286022013394</a>	<a href="https://doi.org/10.1016/j.molstruc.2022.133684">https://doi.org/10.1016/j.molstruc.2022.133684</a>



  
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5	Diffusion-induced ingress of angiotensin-converting enzyme2 into charge conducting path of pentacene channel for efficient detection of SARS-CoV-2 in saliva samples.	Ajoy Mandal	Physics	ACS Sensor	<a href="https://pubs.acs.org/doi/abs/10.1021/acssensors.2c01287">https://pubs.acs.org/doi/abs/10.1021/acssensors.2c01287</a>	<a href="https://doi.org/10.1021/acssensors.2c01287">https://doi.org/10.1021/acssensors.2c01287</a>
6	Fabrication of gold nanoparticles tethered in heat-cooled calf thymus-deoxyribonucleic acid Langmuir-Blodgett film as effective surface-enhanced Raman scattering sensing platform	Sumit Kumar Das	Physics	Front. Chem	<a href="https://www.frontiersin.org/articles/10.3389/fchem.2022.1034060/full">https://www.frontiersin.org/articles/10.3389/fchem.2022.1034060/full</a>	<a href="https://doi.org/10.3389/fchem.2022.1034060">https://doi.org/10.3389/fchem.2022.1034060</a>
7	Self-assembled gold nanoparticles on the serpentine networks of Calf Thymus-DNA Langmuir-Blodgett films as efficient SERS sensing platform: Fabrication and its application in thiram detection	Sumit Kumar Das	Physics	Materials Chemistry and Physics	<a href="https://www.sciencedirect.com/science/article/pii/S0254058422014468?casa_token=ZUPY4_c_HQoAAAAA:K4vQWBHyCv_5RTQUvRwPZSC8nZMKJOhl2eQcdC2YaAGO8CsFxzflZok3ZERZozloO42teg">https://www.sciencedirect.com/science/article/pii/S0254058422014468?casa_token=ZUPY4_c_HQoAAAAA:K4vQWBHyCv_5RTQUvRwPZSC8nZMKJOhl2eQcdC2YaAGO8CsFxzflZok3ZERZozloO42teg</a>	<a href="https://doi.org/10.1016/j.matchemphys.2022.127140">https://doi.org/10.1016/j.matchemphys.2022.127140</a>
8	Two-Temperature Generalized Piezo-Thermoelastic Problem with Eringen's Non-local Effect and Memory-Dependent Derivatives under Three Phase Lag Heat Transfer	Md Abul Kashim Molla	Mathematics	Waves in Random and Complex Media	<a href="https://www.tandfonline.com/doi/full/10.1080/17455030.2022.2161023?casa_token=sQYWD-aDGA4AAAAA%3AtjO-uTGU7Cj36F-b_hIldALjRUPvH03-8OIQ-Vb2pitXwiby3ZSs3ZUL1Gr16scE94VdzL1MjGTR">https://www.tandfonline.com/doi/full/10.1080/17455030.2022.2161023?casa_token=sQYWD-aDGA4AAAAA%3AtjO-uTGU7Cj36F-b_hIldALjRUPvH03-8OIQ-Vb2pitXwiby3ZSs3ZUL1Gr16scE94VdzL1MjGTR</a>	<a href="https://doi.org/10.1080/17455030.2022.2161023">https://doi.org/10.1080/17455030.2022.2161023</a>



  
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