

| Authors                                                                                                                                                                                                                  | Title                                                                                                                                                                                                          | Year | Source title                         | Volume | Issue | Page start | Page end | DOI                          | Link                                                                                                                                                                                                                                                                                                                                            |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|--------------------------------------|--------|-------|------------|----------|------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| N., Sultana, Nasrin; N., Barman, Nabajit; P.J., Medhi, Palash Jyoti; N.S., Sarma, Neelotpal Sen                                                                                                                          | Development of p-n Heterostructures Using Phosphorene and SnO <sub>2</sub> : Its Efficacy toward the Adsorption Study of CO <sub>2</sub> and Rose Bengal Dye                                                   | 2023 | Langmuir                             | 39     | 51    | 18946      | 18957    | 10.1021/acs.langmuir.3c02864 | <a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85179606902&amp;doi=10.1021%2Facs.langmuir.3c02864&amp;partnerID=40&amp;md5=ca352cbaae1ef631dc566dcff4159e9">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85179606902&amp;doi=10.1021%2Facs.langmuir.3c02864&amp;partnerID=40&amp;md5=ca352cbaae1ef631dc566dcff4159e9</a>   |
| M.P., Nath, Manash Pratim; T., Kalita, Tanmoy; D.J., Kalita, Dhruva Jyoti; D., Sanyal, Dirtha; B., Choudhury, Biswajit                                                                                                   | Self-Assembled p-n Homojunction in SnS <sub>2</sub> Nanosheets for Electrocatalytic Hydrogen Evolution: The Role of Sulfur Defects                                                                             | 2023 | ACS Applied Nano Materials           | 6      | 23    | 22057      | 22068    | 10.1021/acsanm.3c04241       | <a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85179791910&amp;doi=10.1021%2Facsanm.3c04241&amp;partnerID=40&amp;md5=9496dd9f8959a3cc7a7fc57fc7b3d91b">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85179791910&amp;doi=10.1021%2Facsanm.3c04241&amp;partnerID=40&amp;md5=9496dd9f8959a3cc7a7fc57fc7b3d91b</a>             |
| S., Sarkar, Sanu; A., Saikia, Aditi; S., Kundu, Sarathi                                                                                                                                                                  | Transparent and Superhydrophilic Flexible Protein Films with Antifogging and Self-Cleaning Attributes                                                                                                          | 2023 | ACS Applied Materials and Interfaces | 15     | 48    | 56397      | 56412    | 10.1021/acsami.3c11100       | <a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85179132053&amp;doi=10.1021%2Facsami.3c11100&amp;partnerID=40&amp;md5=d93060bce97a8ac1ee8f700d6925272b">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85179132053&amp;doi=10.1021%2Facsami.3c11100&amp;partnerID=40&amp;md5=d93060bce97a8ac1ee8f700d6925272b</a>             |
| S., Das, Santanu; E., Özkurt, Ezgi; T.K., Joishy, Tulsi Kumari; A.K., Mukherjee, Ashis Kumar; F., Hildebrand, Falk; M.R., Khan, Mojibur Rohman                                                                           | A single dietary factor, daily consumption of a fermented beverage, can modulate the gut bacteria and fecal metabolites within the same ethnic community                                                       | 2023 | mSystems                             | 8      | 6     |            |          | 10.1128/msystems.00745-23    | <a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85180340361&amp;doi=10.1128%2Fmsystems.00745-23&amp;partnerID=40&amp;md5=5397ceb1cc615c59beae19e1602e24f7">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85180340361&amp;doi=10.1128%2Fmsystems.00745-23&amp;partnerID=40&amp;md5=5397ceb1cc615c59beae19e1602e24f7</a>       |
| M.B., Chakraborty, Moitrayee Banerjee; S.R., Patgiri, Saranga Ranjan; T.K., Joishy, Tulsi Kumari                                                                                                                         | Unraveling the Concealed Microbiome of a Dumpsite and a Conserved Wetland                                                                                                                                      | 2023 | Microbiology (Russian Federation)    | 92     | 6     | 907        | 919      | 10.1134/S0026261722603050    | <a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85178031030&amp;doi=10.1134%2FS0026261722603050&amp;partnerID=40&amp;md5=58de0a7bdd e5f0350451cc15ebc20572">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85178031030&amp;doi=10.1134%2FS0026261722603050&amp;partnerID=40&amp;md5=58de0a7bdd e5f0350451cc15ebc20572</a>     |
| P.J., Boruah, Palash Jyoti; P., Kalita, Parismita; H., Bailung, Heremba                                                                                                                                                  | Synergistic role of oxygen vacancy defect and plasmonics on modulating the photocatalytic activity of Ag/CuOx nanocomposites synthesized via solution plasma                                                   | 2023 | Surfaces and Interfaces              | 43     |       |            |          | 10.1016/j.surfin.2023.103539 | <a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85175417134&amp;doi=10.1016%2Fj.surfin.2023.103539&amp;partnerID=40&amp;md5=16aaf53c839f6b3b3605187257f64309">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85175417134&amp;doi=10.1016%2Fj.surfin.2023.103539&amp;partnerID=40&amp;md5=16aaf53c839f6b3b3605187257f64309</a> |
| M., Sarma, Mintu; M.K., Jaiswal, Manju Kumari; S., Podder, Santanu; J., Bora, Jyotisman; S., Karmakar, Sanjib; B., Choudhury, Biswajit; A.R., Pal, Arup R.                                                               | A study on the applicability of thin film over powder for visible light photocatalysis                                                                                                                         | 2023 | Physica B: Condensed Matter          | 670    |       |            |          | 10.1016/j.physb.2023.415354  | <a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85173562759&amp;doi=10.1016%2Fj.physb.2023.415354&amp;partnerID=40&amp;md5=a4711694a3ea3c085207e5ddff0ca64b7">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85173562759&amp;doi=10.1016%2Fj.physb.2023.415354&amp;partnerID=40&amp;md5=a4711694a3ea3c085207e5ddff0ca64b7</a> |
| A., Bhattacharya, Anupam; S., Das, Sushmita; M.J., Bhattacharjee, Maloyjo Joyraj; A.K., Mukherjee, Ashis Kumar; M.R., Khan, Mojibur Rohman                                                                               | Comparative pangenomic analysis of predominant human vaginal lactobacilli strains towards population-specific adaptation: understanding the role in sustaining a balanced and healthy vaginal microenvironment | 2023 | BMC Genomics                         | 24     | 1     |            |          | 10.1186/s12864-023-09665-y   | <a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85171842328&amp;doi=10.1186%2Fs12864-023-09665-y&amp;partnerID=40&amp;md5=f57f409bc3b348a5e9dca526943e6b8f">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85171842328&amp;doi=10.1186%2Fs12864-023-09665-y&amp;partnerID=40&amp;md5=f57f409bc3b348a5e9dca526943e6b8f</a>     |
| M., Goswami, Manisha; R., Patowary, Rupshikha; K.N., Patowary, Kaustuvmani N.; H.P., Sarma, Hari Prasad; S., Rabha, Suprakash; B.M., Devi, Bhaswati Mahalakshmi; N., Sarma, Nimisha; E., Das, Emeel; A., Devi, Arundhuti | Environment friendly treatment of petroleum hydrocarbon contaminated formation water: Mechanisms and consequences for degradation and adsorption                                                               | 2023 | Water Resources and Industry         | 30     |       |            |          | 10.1016/j.wri.2023.100224    | <a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85169787785&amp;doi=10.1016%2Fj.wri.2023.100224&amp;partnerID=40&amp;md5=8b726ec39abea64736663252e657240d">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85169787785&amp;doi=10.1016%2Fj.wri.2023.100224&amp;partnerID=40&amp;md5=8b726ec39abea64736663252e657240d</a>       |
| M.J., Bhattacharjee, Maloyjo Joyraj; A., Bhattacharya, Anupam; B., Kashyap, Bhaswati; M.J., Taw, Manash Jyoti; W., Li, Wenhsung; A.K., Mukherjee, Ashis Kumar; M.R., Khan, Mojibur Rohman                                | Genome analysis of SARS-CoV-2 isolates from a population reveals the rapid selective sweep of a haplotype carrying many pre-existing and new mutations                                                         | 2023 | Virology Journal                     | 20     | 1     |            |          | 10.1186/s12985-023-02139-3   | <a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85169533937&amp;doi=10.1186%2Fs12985-023-02139-3&amp;partnerID=40&amp;md5=362624a02bb8f99d73b95dcdef9a289d">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85169533937&amp;doi=10.1186%2Fs12985-023-02139-3&amp;partnerID=40&amp;md5=362624a02bb8f99d73b95dcdef9a289d</a>     |

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|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|------------------------------------------------------------------|-----|----|--------|--------|--------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| D., Biswas, Dipak; B.G., Somkuwar, B. G.; J.C., Borah, Jagat Chandra; P.K., Kumar Varadwaj, Pritish Kumar; S., Gupta, Saurabh; Z.A., Khan, Zeeshan Ahmad; G., Mondal, Gopinath; A., Chatteraj, Asamanja; L., Deb, Lokesh | Phytochemical mediated modulation of COX-3 and NFκB for the management and treatment of arthritis                                                                 | 2023 | Scientific Reports                                               | 13  | 1  |        |        | 10.1038/s41598-023-37729-2     | <a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85168519102&amp;doi=10.1038%2F41598-023-37729-2&amp;partnerID=40&amp;md5=a5c1e7dc6711e64f0366bd7cc3b2d410">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85168519102&amp;doi=10.1038%2F41598-023-37729-2&amp;partnerID=40&amp;md5=a5c1e7dc6711e64f0366bd7cc3b2d410</a>           |
| A., Bala, Asis                                                                                                                                                                                                           | A need for clinical trial: re-purposing the Monoamine Oxidase Inhibitors (MAO-I) for rheumatoid arthritis (RA)                                                    | 2023 | Inflammopharmacology                                             | 31  | 6  | 3367   | 3370   | 10.1007/s10787-023-01310-0     | <a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85167341610&amp;doi=10.1007%2F10787-023-01310-0&amp;partnerID=40&amp;md5=b9a9feff55a29fd9ef42495f1aa5dd07">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85167341610&amp;doi=10.1007%2F10787-023-01310-0&amp;partnerID=40&amp;md5=b9a9feff55a29fd9ef42495f1aa5dd07</a>           |
| J., Upadhyay, Jnanendra; R., Borah, Rajiv; T.M., Das, Trishna Moyi; J.M., Das, Jitu Mani                                                                                                                                 | Flexible solid-state supercapacitor based on ternary nanocomposites of reduced graphene oxide and ruthenium oxide nanoparticles bridged by polyaniline nanofibers | 2023 | Journal of Energy Storage                                        | 72  |    |        |        | 10.1016/j.est.2023.108600      | <a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85167839831&amp;doi=10.1016%2Fj.est.2023.108600&amp;partnerID=40&amp;md5=90dd014c4614dea3cfbb256594fc149e">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85167839831&amp;doi=10.1016%2Fj.est.2023.108600&amp;partnerID=40&amp;md5=90dd014c4614dea3cfbb256594fc149e</a>           |
| S., Rabha, Suprakash; B.M., Devi, Bhaswati Mahalakshmi; M., Goswami, Manisha; E., Das, Emee; N., Sarma, Nimisha; A., Devi, Arundhuti                                                                                     | Ecologically Safe Removal of Lead Ions and Basic Fuchsin Dye from an Aqueous Solution Using Lippia alba Leaves                                                    | 2023 | ChemistrySelect                                                  | 8   | 43 |        |        | 10.1002/slct.202302149         | <a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85176397428&amp;doi=10.1002%2Fslct.202302149&amp;partnerID=40&amp;md5=51772ca7fa731cade0666b8c6d648347">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85176397428&amp;doi=10.1002%2Fslct.202302149&amp;partnerID=40&amp;md5=51772ca7fa731cade0666b8c6d648347</a>                 |
| R., Sonkar, Rahul; N.J., Mondal, Nur Jalal; S., Thakur, Samir; E., Saikia, Eeshankur; M.P., Ghosh, Mritunjoy Prasad; D., Chowdhury, Devasish                                                                             | Cobalt-substituted ZnS QDs: a diluted magnetic semiconductor and efficient photocatalyst                                                                          | 2023 | Nanoscale Advances                                               | 5   | 24 | 7042   | 7056   | 10.1039/d3na00836c             | <a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85179099858&amp;doi=10.1039%2Fd3na00836c&amp;partnerID=40&amp;md5=4cd594cfd9722f145337d0c6add876a4">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85179099858&amp;doi=10.1039%2Fd3na00836c&amp;partnerID=40&amp;md5=4cd594cfd9722f145337d0c6add876a4</a>                         |
| R., Patowary, Rupshikha; P., Jain, Prerna; C., Malakar, Chandana; A., Devi, Arundhuti                                                                                                                                    | Biodegradation of carbofuran by Pseudomonas aeruginosa S07: biosurfactant production, plant growth promotion, and metal tolerance                                 | 2023 | Environmental Science and Pollution Research                     | 30  | 54 | 115185 | 115198 | 10.1007/s11356-023-30466-z     | <a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85178499799&amp;doi=10.1007%2Fs11356-023-30466-z&amp;partnerID=40&amp;md5=c0aa6bd51b1c915915ef06262d397566">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85178499799&amp;doi=10.1007%2Fs11356-023-30466-z&amp;partnerID=40&amp;md5=c0aa6bd51b1c915915ef06262d397566</a>         |
| S., Sharma, Sudeshna; B.M., Devi, Bhaswati Mahalakshmi; D.J., Koiri, Dibya Jyoti; K., Sharma, Khanindra; K.G., Bhattacharyya, Krishna G.; A., Devi, Arundhuti                                                            | Visible light photocatalytic degradation of methylene blue and rhodamine B over silver-doped titanium dioxide nanocomposites supported on Fuller's earth          | 2023 | Environmental Monitoring and Assessment                          | 195 | 11 |        |        | 10.1007/s10661-023-11981-5     | <a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85174714711&amp;doi=10.1007%2Fs10661-023-11981-5&amp;partnerID=40&amp;md5=f614bfe2c602552e512615b9a3cb03c0">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85174714711&amp;doi=10.1007%2Fs10661-023-11981-5&amp;partnerID=40&amp;md5=f614bfe2c602552e512615b9a3cb03c0</a>         |
| S., Das, Sushmita; M.J., Bhattacharjee, Malayjo Joyraj; A.K., Mukherjee, Ashis Kumar; M.R., Khan, Mojibur Rohman                                                                                                         | Comprehensive bacterial-metabolite profiles of Hawaiiijar, Bekang, and Akhone: a comparative study on traditional fermented soybeans of north-east India          | 2023 | World Journal of Microbiology and Biotechnology                  | 39  | 11 |        |        | 10.1007/s11274-023-03773-3     | <a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85171853293&amp;doi=10.1007%2Fs11274-023-03773-3&amp;partnerID=40&amp;md5=b42f8f1f47f2bf5cce8a5f41022bc888">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85171853293&amp;doi=10.1007%2Fs11274-023-03773-3&amp;partnerID=40&amp;md5=b42f8f1f47f2bf5cce8a5f41022bc888</a>         |
| M., Baro, Mahananda; P., Borgohain, Parijat                                                                                                                                                                              | SCAPS-1D Device Simulation of Highly Efficient Perovskite Solar Cells Using Diverse Charge Transport Layers                                                       | 2023 | Journal of Electronic Materials                                  | 52  | 11 | 7623   | 7644   | 10.1007/s11664-023-10681-7     | <a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85170084297&amp;doi=10.1007%2Fs11664-023-10681-7&amp;partnerID=40&amp;md5=8f07ce1bc1bf4037a335df193c5af2bf">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85170084297&amp;doi=10.1007%2Fs11664-023-10681-7&amp;partnerID=40&amp;md5=8f07ce1bc1bf4037a335df193c5af2bf</a>         |
| N., Sultana, Nasrin; C., Thanil Singh, Chingtham; M.R., Khan, Mojibur Rohman; N.S., Sarma, Neelotpal Sen                                                                                                                 | An optical sensing platform for the detection of anti-cancer drugs and their cytotoxicity screening using a highly selective phosphorene-based composite          | 2023 | Nanoscale                                                        | 15  | 43 | 17570  | 17582  | 10.1039/d3nr03948j             | <a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85175433289&amp;doi=10.1039%2Fd3nr03948j&amp;partnerID=40&amp;md5=0c29ef0a4c1b1a5ad38b5d41dafb4ed4">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85175433289&amp;doi=10.1039%2Fd3nr03948j&amp;partnerID=40&amp;md5=0c29ef0a4c1b1a5ad38b5d41dafb4ed4</a>                         |
| S.A., Ali, Saiyad Akhirul; S., Sau, Sanjib; S., Kundu, Sarathi                                                                                                                                                           | In-situ fabrication of CuO nanoparticles inside PVA matrix via heat treatment with modified optical, electrical and mechanical properties of the composite films  | 2023 | Colloids and Surfaces A: Physicochemical and Engineering Aspects | 674 |    |        |        | 10.1016/j.colsurfa.2023.131840 | <a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85162211161&amp;doi=10.1016%2Fj.colsurfa.2023.131840&amp;partnerID=40&amp;md5=8f0f2ab2d88a4821474ba8dd99758cc6">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85162211161&amp;doi=10.1016%2Fj.colsurfa.2023.131840&amp;partnerID=40&amp;md5=8f0f2ab2d88a4821474ba8dd99758cc6</a> |

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| H.J., Bora, Hriday Jyoti; R., Borpatra Gohain, Reetesh; P., Barman, Pranjal; S., Biswas, Subir; N.S., Sarma, Neelotpal Sen; A., Kalita, Anamika                                            | Assessing CO <sub>2</sub> Adsorption Behavior onto Free-Standing, Flexible Organic Framework-PVDF Composite Membrane: An Empirical Modeling and Validation of an Experimental Data Set   | 2023 | ACS Omega                                | 8   | 39 | 36065 | 36075 | 10.1021/acsomega.3c04198     | <a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85174956607&amp;doi=10.1021%2Facsomega.3c04198&amp;partnerID=40&amp;md5=847ec3daca516ce739f04d5bc679adb0">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85174956607&amp;doi=10.1021%2Facsomega.3c04198&amp;partnerID=40&amp;md5=847ec3daca516ce739f04d5bc679adb0</a>         |
| R., Ghosh, Rahul; H., Das, Hirendra; A., Kalita, Anamika; P.K.R., Kalita, Pradip Kumar R.; R., Talukdar, Rakesh                                                                            | Plant-Based Silver Quantum Dots for Evaluation of Mem-Capacitive Behavior                                                                                                                | 2023 | Journal of Electronic Materials          | 52  | 10 | 6840  | 6850  | 10.1007/s11664-023-10637-x   | <a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85166764053&amp;doi=10.1007%2Facsomega.3c04198&amp;partnerID=40&amp;md5=6792c72e131c7f9989d1422c39a02147">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85166764053&amp;doi=10.1007%2Facsomega.3c04198&amp;partnerID=40&amp;md5=6792c72e131c7f9989d1422c39a02147</a>         |
| D., Basumatary, Deepjyoti; H., Bailung, Heremba; S.B., Jorvekar, Sachin B.; R.M., Borkar, Roshan Murlidhar; K., Sankaranarayanan, Kamatchi                                                 | Investigating the impact of inbuilt cold atmospheric pressure plasma on molecular assemblies of tryptophan enantiomers: in vitro fabrication of self-assembled supramolecular structures | 2023 | RSC Advances                             | 13  | 38 | 26640 | 26649 | 10.1039/d3ra04086k           | <a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85171879761&amp;doi=10.1039%2Fd3ra04086k&amp;partnerID=40&amp;md5=8297e965de09f5f5b9958eb7f4ee192b">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85171879761&amp;doi=10.1039%2Fd3ra04086k&amp;partnerID=40&amp;md5=8297e965de09f5f5b9958eb7f4ee192b</a>                     |
| K., Haloi, Kishor; M.K., Kalita, Moni Kankana; D., Devi, Dipali                                                                                                                            | REGULATION AND CHARACTERIZATION OF AMYLASE ENZYME SECRETION IN THE DIGESTIVE TRACT OF ANTERAEA ASSAMENSIS HELPER                                                                         | 2023 | Indian Journal of Entomology             | 85  | 3  | 556   | 562   | 10.55446/IJE.2023.962        | <a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85175018404&amp;doi=10.55446%2FIJE.2023.962&amp;partnerID=40&amp;md5=0acc2f166b1b8e121286e84c304e6b32">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85175018404&amp;doi=10.55446%2FIJE.2023.962&amp;partnerID=40&amp;md5=0acc2f166b1b8e121286e84c304e6b32</a>               |
| P., Baruah, Paran; A., Patra, Aparup; S.R., Barge, Sagar Ramrao; M.R., Khan, Mojibur Rohman; A.K., Mukherjee, Ashis Kumar                                                                  | Therapeutic Potential of Bioactive Compounds from Edible Mushrooms to Attenuate SARS-CoV-2 Infection and Some Complications of Coronavirus Disease (COVID-19)                            | 2023 | Journal of Fungi                         | 9   | 9  |       |       | 10.3390/jof9090897           | <a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85172239533&amp;doi=10.3390%2Fjof9090897&amp;partnerID=40&amp;md5=d212a636427fb8c8d335ac16c208c82f">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85172239533&amp;doi=10.3390%2Fjof9090897&amp;partnerID=40&amp;md5=d212a636427fb8c8d335ac16c208c82f</a>                     |
| S.S., Pandey, Sheo Shankar                                                                                                                                                                 | The Role of Iron in Phytopathogenic Microbe–Plant Interactions: Insights into Virulence and Host Immune Response                                                                         | 2023 | Plants                                   | 12  | 17 |       |       | 10.3390/plants12173173       | <a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85170399139&amp;doi=10.3390%2Fplants12173173&amp;partnerID=40&amp;md5=502847adb409001d64ada2c0d1b56e3">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85170399139&amp;doi=10.3390%2Fplants12173173&amp;partnerID=40&amp;md5=502847adb409001d64ada2c0d1b56e3</a>               |
| E., Das, Emee; S., Rabha, Suprakash; K., Talukdar, Karishma; M., Goswami, Manisha; A., Devi, Arundhuti                                                                                     | Propensity of a low-cost adsorbent derived from agricultural wastes to interact with cationic dyes in aqueous solutions                                                                  | 2023 | Environmental Monitoring and Assessment  | 195 | 9  |       |       | 10.1007/s10661-023-11656-1   | <a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85168234455&amp;doi=10.1007%2Fs10661-023-11656-1&amp;partnerID=40&amp;md5=5d90d3ff96e5435a2ddf2b3bb6c6226b">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85168234455&amp;doi=10.1007%2Fs10661-023-11656-1&amp;partnerID=40&amp;md5=5d90d3ff96e5435a2ddf2b3bb6c6226b</a>     |
| B.M., Devi, Bhaswati Mahalakshmi; N.P., Baruah, Netra Prova; A., Bharadwaj, Anasuya; A., Devi, Arundhuti                                                                                   | Adsorptive removal of fluoride ions from aqueous solution using activated carbon supported tetrametallic oxide system                                                                    | 2023 | Chemical Engineering Research and Design | 197 |    | 380   | 391   | 10.1016/j.cherd.2023.07.048  | <a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85167834680&amp;doi=10.1016%2Fj.cherd.2023.07.048&amp;partnerID=40&amp;md5=a527d1ae407c2cca838b03360a607717">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85167834680&amp;doi=10.1016%2Fj.cherd.2023.07.048&amp;partnerID=40&amp;md5=a527d1ae407c2cca838b03360a607717</a>   |
| N., Gurumayum, Nonibala; P.P., Sarma, Partha Pratim; P., Khound, Puspanjali; U.K., Jana, Uttam Kumar; R. Devi                                                                              | Nutritional Composition and Pharmacological Activity of Musa balbisiana Colla Seed: An Insight into Phytochemical and Cellular Bioenergetic Profiling                                    | 2023 | Plant Foods for Human Nutrition          | 78  | 3  | 520   | 525   | 10.1007/s11130-023-01080-8   | <a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85165240288&amp;doi=10.1007%2Fs11130-023-01080-8&amp;partnerID=40&amp;md5=18482b9111655d11845dc0de0c4f8efc8">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85165240288&amp;doi=10.1007%2Fs11130-023-01080-8&amp;partnerID=40&amp;md5=18482b9111655d11845dc0de0c4f8efc8</a>   |
| P., Barman, Pranjal; L., Dutta, Lachit; S., Bordoloi, Sushanta; A., Kalita, Anamika; P., Buragohain, Pronamika; S., Bharali, Swapna; B., Azopardi, Brian                                   | Renewable energy integration with electric vehicle technology: A review of the existing smart charging approaches                                                                        | 2023 | Renewable and Sustainable Energy Reviews | 183 |    |       |       | 10.1016/j.rser.2023.113518   | <a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85164662833&amp;doi=10.1016%2Fj.rser.2023.113518&amp;partnerID=40&amp;md5=5df092b1c7aa6981abb214dae137b6b2">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85164662833&amp;doi=10.1016%2Fj.rser.2023.113518&amp;partnerID=40&amp;md5=5df092b1c7aa6981abb214dae137b6b2</a>     |
| B., Basumatary, Bablu; D., Gogoi, Deepshikha; S., Podder, Santanu; J., Bora, Jyotisman; K.B., Singh, Khomdrum Bijoykumar; S., Bora, Shakyadeep; A.R., Pal, Arup R.; D.S., Patil, Dinkar S. | A $\pi$ -conjugated organic pyroelectric nanogenerator (OPYNG) based on pyrophototronic effect                                                                                           | 2023 | Nano Energy                              | 114 |    |       |       | 10.1016/j.nanoen.2023.108655 | <a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85163948981&amp;doi=10.1016%2Fj.nanoen.2023.108655&amp;partnerID=40&amp;md5=f598e7ea1e91a4e6e12418751888ef51">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85163948981&amp;doi=10.1016%2Fj.nanoen.2023.108655&amp;partnerID=40&amp;md5=f598e7ea1e91a4e6e12418751888ef51</a> |

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|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|---------------------------------------|-----|----|-------|-------|--------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| D., Sharma, Devabrat; S., Das, Santu; B.N., Goswami, B. N.                                                                                                                                                                                 | Variability and predictability of the Northeast India summer monsoon rainfall                                                                                                    | 2023 | International Journal of Climatology  | 43  | 11 | 5248  | 5268  | 10.1002/joc.8144               | <a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85162039900&amp;doi=10.1002%2Fjoc.8144&amp;partnerID=40&amp;md5=e5c954176c5b773a9160d556c4565bfb">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85162039900&amp;doi=10.1002%2Fjoc.8144&amp;partnerID=40&amp;md5=e5c954176c5b773a9160d556c4565bfb</a>                             |
| D., Sarma, Dhrubanka; U., Saikia, Ujjal; M.B., Sahariah, Munima Bora                                                                                                                                                                       | He clustering and role of vacancy in CuZr system                                                                                                                                 | 2023 | Journal of Nuclear Materials          | 583 |    |       |       | 10.1016/j.jnucmat.2023.154488  | <a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85157959207&amp;doi=10.1016%2Fj.jnucmat.2023.154488&amp;partnerID=40&amp;md5=b6e3efeb0e3ecf7f446f52f8d9fb5fca">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85157959207&amp;doi=10.1016%2Fj.jnucmat.2023.154488&amp;partnerID=40&amp;md5=b6e3efeb0e3ecf7f446f52f8d9fb5fca</a>   |
| H., Sarma, Himangshu; D., Rabha, Deepak; P., Khound, Puspanjali; N., Gurumayum, Nonibala; P.P., Sarma, Partha Pratim; P.P., Dutta, Partha Pratim; P., Choudhury, Paramita; K., Saikia, Kangkon; S., Pait, Sumi; J.C., Borah, Jagat Chandra | Comparative phytochemical screening through high-performance thin layer chromatography technique and free radical scavenging ability of five species of genus Clerodendrum       | 2023 | Vegetos                               | 36  | 3  | 1013  | 1024  | 10.1007/s42535-022-00494-0     | <a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85140114103&amp;doi=10.1007%2Fs42535-022-00494-0&amp;partnerID=40&amp;md5=09e6035263e07c3f2a84b625501ceb91">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85140114103&amp;doi=10.1007%2Fs42535-022-00494-0&amp;partnerID=40&amp;md5=09e6035263e07c3f2a84b625501ceb91</a>         |
| N.J., Mondal, Nur Jalal; R., Sonkar, Rahul; B., Boro, Bitopan; M.P., Ghosh, Mritunjoy Prasad; D., Chowdhury, Devasish                                                                                                                      | Nanocrystalline Ni-Zn spinel ferrites: size-dependent physical, photocatalytic and antioxidant properties                                                                        | 2023 | Nanoscale Advances                    | 5   | 20 | 5460  | 5475  | 10.1039/d3na00446e             | <a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85171674265&amp;doi=10.1039%2Fd3na00446e&amp;partnerID=40&amp;md5=4e406e049db7f0d7038914d53552c122">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85171674265&amp;doi=10.1039%2Fd3na00446e&amp;partnerID=40&amp;md5=4e406e049db7f0d7038914d53552c122</a>                         |
| R., Mazumdar, Rajkumari; K., Saikia, Kangkon; D., Thakur, Debajit                                                                                                                                                                          | Potentiality of Actinomycetia Prevalent in Selected Forest Ecosystems in Assam, India to Combat Multi-Drug-Resistant Microbial Pathogens                                         | 2023 | Metabolites                           | 13  | 8  |       |       | 10.3390/metabo13080911         | <a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85169105905&amp;doi=10.3390%2Fmetabo13080911&amp;partnerID=40&amp;md5=7f9e8db1d4d9671984c9f20eb4e71efb">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85169105905&amp;doi=10.3390%2Fmetabo13080911&amp;partnerID=40&amp;md5=7f9e8db1d4d9671984c9f20eb4e71efb</a>                 |
| B., Das, Bhabana; D., Madhubala, Dev; S., Mahanta, Saurav; A., Patra, Aparup; U., Puzari, Upasana; M.R., Khan, Mojibur Rohman; A.K., Mukherjee, Ashis Kumar                                                                                | A Novel Therapeutic Formulation for the Improved Treatment of Indian Red Scorpion (Mesobuthus tamulus) Venom-Induced Toxicity-Tested in Caenorhabditis elegans and Rodent Models | 2023 | Toxins                                | 15  | 8  |       |       | 10.3390/toxins15080504         | <a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85168755234&amp;doi=10.3390%2Ftoxins15080504&amp;partnerID=40&amp;md5=3fae42d4cb296c29312e86ac081a7dcb">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85168755234&amp;doi=10.3390%2Ftoxins15080504&amp;partnerID=40&amp;md5=3fae42d4cb296c29312e86ac081a7dcb</a>                 |
| B., Deka, Barsha; P., Sarma, Pranamika; P., Manna, Prasenjit; J.C., Borah, Jagat Chandra; N.C., Talukdar, Narayan Chandra                                                                                                                  | Alliin enriched standardized fraction of Allium hookeri regulates the glucose homeostasis via upregulating hepatic glutathione pool                                              | 2023 | Phytomedicine Plus                    | 3   | 3  |       |       | 10.1016/j.phyplu.2023.100466   | <a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85160308108&amp;doi=10.1016%2Fj.phyplu.2023.100466&amp;partnerID=40&amp;md5=c49e3a8529ca11e6871ce67da11009c3">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85160308108&amp;doi=10.1016%2Fj.phyplu.2023.100466&amp;partnerID=40&amp;md5=c49e3a8529ca11e6871ce67da11009c3</a>     |
| M.B., Devi, M. Bidyarani; H.K., Sarma, Hridip Kumar; A.K., Mukherjee, Ashis Kumar; M.R., Khan, Mojibur Rohman                                                                                                                              | Mechanistic Insights into Immune-Microbiota Interactions and Preventive Role of Probiotics Against Autoimmune Diabetes Mellitus                                                  | 2023 | Probiotics and Antimicrobial Proteins | 15  | 4  | 983   | 1000  | 10.1007/s12602-023-10087-1     | <a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85159313609&amp;doi=10.1007%2Fs12602-023-10087-1&amp;partnerID=40&amp;md5=6be2a15eeadc893a777176645f39ec30">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85159313609&amp;doi=10.1007%2Fs12602-023-10087-1&amp;partnerID=40&amp;md5=6be2a15eeadc893a777176645f39ec30</a>         |
| P., Saha, Payal; B., Kakati, Bhargab; P., Bhagowati, Purbajyoti; M.B., Sahariah, Munima Bora                                                                                                                                               | Stoichiometry and spin-orbit coupling in Mn–Pt–Sn Heusler compound                                                                                                               | 2023 | Intermetallics                        | 159 |    |       |       | 10.1016/j.intermet.2023.107915 | <a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85153680973&amp;doi=10.1016%2Fj.intermet.2023.107915&amp;partnerID=40&amp;md5=0391e09725027765bdf31a26569e7d52">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85153680973&amp;doi=10.1016%2Fj.intermet.2023.107915&amp;partnerID=40&amp;md5=0391e09725027765bdf31a26569e7d52</a> |
| T., Sinha, Tamali; C., Malakar, Chandana; N.C., Talukdar, Narayan Chandra                                                                                                                                                                  | Mustard seed–associated endophytes suppress Sclerotinia sclerotiorum causing Sclerotinia rot in mustard crop                                                                     | 2023 | International Microbiology            | 26  | 3  | 487   | 500   | 10.1007/s10123-022-00314-0     | <a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85144518813&amp;doi=10.1007%2Fs10123-022-00314-0&amp;partnerID=40&amp;md5=73833430185f89b6c691b5c97dd42306">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85144518813&amp;doi=10.1007%2Fs10123-022-00314-0&amp;partnerID=40&amp;md5=73833430185f89b6c691b5c97dd42306</a>         |
| H., Nath, Himadri; R.J., Sarmah, Raktim Jyoti; S., Kundu, Sarathi                                                                                                                                                                          | Langmuir monolayer of lysozyme at variable subphase pH conditions: a comprehensive study on structure, morphology and hysteresis behaviour                                       | 2023 | RSC Advances                          | 13  | 33 | 22789 | 22799 | 10.1039/d3ra03710j             | <a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85169296104&amp;doi=10.1039%2Fd3ra03710j&amp;partnerID=40&amp;md5=35f6bc61bebe92cc6e6bd2e610b7db5f">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85169296104&amp;doi=10.1039%2Fd3ra03710j&amp;partnerID=40&amp;md5=35f6bc61bebe92cc6e6bd2e610b7db5f</a>                         |

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|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|----------------------------------------------|-----|----|-------|-------|------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| M.J., Alam, Md Jahangir; P., Kamboj, Parul; S., Sarkar, Soumalya; S.K., Gupta, Sonu Kumar; S.S., Kasarla, Siva Swapna; S., Bajpai, Sneha; D., Kumari, Deepika; N., Bisht, Neema; S.R., Barge, Sagar Ramrao; B., Kashyap, Bhaswati         | Untargeted metabolomics and phenotype data indicate the therapeutic and prophylactic potential of <i>Lysimachia candida</i> Lindl. towards high-fat high-fructose-induced metabolic syndrome in rats | 2023 | Molecular Omics                              | 19  | 10 | 787   | 799   | 10.1039/d3mo00104k           | <a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85167515387&amp;doi=10.1039%2Fd3mo00104k&amp;partnerID=40&amp;md5=58824afa79b55a9e541603ed22dbf404">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85167515387&amp;doi=10.1039%2Fd3mo00104k&amp;partnerID=40&amp;md5=58824afa79b55a9e541603ed22dbf404</a>                     |
| D., Konwar, Dipika; P., Sarma, Pranamika; J.C., Borah, Jagat Chandra; U., Bora, Utpal                                                                                                                                                     | Halogen bonding assisted site-selective C-3 triaryl methylation of indoles and N-triaryl methylation of imidazoles                                                                                   | 2023 | Organic and Biomolecular Chemistry           | 21  | 30 | 6197  | 6204  | 10.1039/d3ob00783a           | <a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85166386452&amp;doi=10.1039%2Fd3ob00783a&amp;partnerID=40&amp;md5=0c807ccd260dd963a7eb1ad4cd574cb9">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85166386452&amp;doi=10.1039%2Fd3ob00783a&amp;partnerID=40&amp;md5=0c807ccd260dd963a7eb1ad4cd574cb9</a>                     |
| J., Castro-Amorim, Juliana; A.L., Oliveira, Ana L.; A.K., Mukherjee, Ashish Kumar; M.J., R  mos, Maria Jo  o; P.A., Fernandes, Pedro Alexandrino                                                                                          | Unraveling the Reaction Mechanism of Russell's Viper Venom Factor X Activator: A Paradigm for the Reactivity of Zinc Metalloproteinases?                                                             | 2023 | Journal of Chemical Information and Modeling | 63  | 13 | 4056  | 4069  | 10.1021/acs.jcim.2c01156     | <a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85156202800&amp;doi=10.1021%2Facs.jcim.2c01156&amp;partnerID=40&amp;md5=c24c8ea5b3a1cf18fb60502e74df7e31">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85156202800&amp;doi=10.1021%2Facs.jcim.2c01156&amp;partnerID=40&amp;md5=c24c8ea5b3a1cf18fb60502e74df7e31</a>         |
| H., Jyoti Bora, Hriday; P., Jyoti Boruah, Palash; P., Kalita, Parismita; G., Gogoi, Gautomi; H., Bailung, Heremba; N.S., Sarma, Neelotpal Sen; A., Kalita, Anamika                                                                        | Enabling Ultrahigh Surface Area of Covalently-linked Organic Framework for Boosted CO2 Capture: An Air Liquid Interfacial Plasma as Post-furnishing Protocol                                         | 2023 | Chemistry - A European Journal               | 29  | 38 |       |       | 10.1002/chem.202300756       | <a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85159037511&amp;doi=10.1002%2Fchem.202300756&amp;partnerID=40&amp;md5=5ee99ab5b6ab6cc5ea9eda32422fd9b">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85159037511&amp;doi=10.1002%2Fchem.202300756&amp;partnerID=40&amp;md5=5ee99ab5b6ab6cc5ea9eda32422fd9b</a>               |
| S.N., Bora, Swaroop Nandan; S., Das, Santu; M.H., Meylan, Michael H.; S., Saha, Sunanda; S., Zheng, Siming                                                                                                                                | Time-dependent water wave scattering by a marine structure consisting of an array of compound porous cylinders                                                                                       | 2023 | Physics of Fluids                            | 35  | 7  |       |       | 10.1063/5.0147809            | <a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85164283462&amp;doi=10.1063%2F5.0147809&amp;partnerID=40&amp;md5=0c0b54c99566c49bc8781ed48e51988a">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85164283462&amp;doi=10.1063%2F5.0147809&amp;partnerID=40&amp;md5=0c0b54c99566c49bc8781ed48e51988a</a>                       |
| N., Sarma, Nimisha; M., Goswami, Manisha; S., Rabha, Suprakash; R., Patowary, Rupshikha; A., Devi, Arundhuti                                                                                                                              | Baseline study of water, soil, and identification of potential native phytoremediators of total petroleum hydrocarbon from oil-contaminated areas in the vicinity of Geleky oilfield of Assam        | 2023 | Environmental Monitoring and Assessment      | 195 | 7  |       |       | 10.1007/s10661-023-11392-6   | <a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85163102195&amp;doi=10.1007%2Fs10661-023-11392-6&amp;partnerID=40&amp;md5=6799f0589671014ebb7781c8065b7794">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85163102195&amp;doi=10.1007%2Fs10661-023-11392-6&amp;partnerID=40&amp;md5=6799f0589671014ebb7781c8065b7794</a>     |
| S., Thakur, Samir; S.M., Borah, Sankar Moni; A., Singh, Ashok; D., Saikia, Dilip; N.C., Adhikary, Nirab Chandra                                                                                                                           | Roughness Effect on the Broadband Optical Performance and Extraordinary Local Field Enhancement in Metal Nanostructures                                                                              | 2023 | Journal of Electronic Materials              | 52  | 7  | 4878  | 4894  | 10.1007/s11664-023-10422-w   | <a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85153940330&amp;doi=10.1007%2Fs11664-023-10422-w&amp;partnerID=40&amp;md5=3fd824b8126d15b85cdd844202c33850">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85153940330&amp;doi=10.1007%2Fs11664-023-10422-w&amp;partnerID=40&amp;md5=3fd824b8126d15b85cdd844202c33850</a>     |
| G., Yerulker, Guneshwari; P.D., Patel, Priya D.; A., Chafale, Ayushi; V.M., Rathod, Visha M.; S., Das, Sandeep; P., Pandey, Piyush; N.A., Khan, Noor Afshan; A., Devi, Arundhuti; N.S., Munshi, Nasreen S.; R.S., Dhodapkar, Rita Sandeep | Comparative assessment of soil microbial community in crude oil contaminated sites                                                                                                                   | 2023 | Environmental Pollution                      | 328 |    |       |       | 10.1016/j.envpol.2023.121578 | <a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85153476433&amp;doi=10.1016%2Fj.envpol.2023.121578&amp;partnerID=40&amp;md5=8cc1612a89bdae51c8db1b4f232800ae">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85153476433&amp;doi=10.1016%2Fj.envpol.2023.121578&amp;partnerID=40&amp;md5=8cc1612a89bdae51c8db1b4f232800ae</a> |
| C., Malakar, Chandana; D., Barman, Dipumani; M.C., Kalita, Mohan Chandra; S., Deka, Suresh                                                                                                                                                | A biosurfactant-producing novel bacterial strain isolated from vermicompost having multiple plant growth-promoting traits                                                                            | 2023 | Journal of Basic Microbiology                | 63  | 7  | 746   | 758   | 10.1002/jobm.202200608       | <a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85152886205&amp;doi=10.1002%2Fjobm.202200608&amp;partnerID=40&amp;md5=4a3a5e1be25f8fd92f0a5eb2778bb296">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85152886205&amp;doi=10.1002%2Fjobm.202200608&amp;partnerID=40&amp;md5=4a3a5e1be25f8fd92f0a5eb2778bb296</a>             |
| E., Elango, Eswari; V.P., Kannan, Veera Prabu; S., Madanagurusamy, Sridharan; R.K., Karn, Rakesh Kumar; D., Chowdhury, Devasish; C., Upadhyay, Chandan; A., Yadav, Asha                                                                   | Magnetron-Sputtered Silver Nanoparticles for Surface Plasmons for Terahertz Sensors                                                                                                                  | 2023 | Journal of Electronic Materials              | 52  | 7  | 4289  | 4294  | 10.1007/s11664-023-10211-5   | <a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85146877313&amp;doi=10.1007%2Fs11664-023-10211-5&amp;partnerID=40&amp;md5=131e71095247f1ade30335166d97c57c">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85146877313&amp;doi=10.1007%2Fs11664-023-10211-5&amp;partnerID=40&amp;md5=131e71095247f1ade30335166d97c57c</a>     |
| K.J., Goswami, K. J.; A., Boruah, Ankita; N.S., Sarma, Neelotpal Sen                                                                                                                                                                      | Smart-Phone-Assisted Optical Biosensors Based on Silk-Fibroin-Decorated Reduced Graphene Oxide Quantum Dots for Fluorescent Turn-On Recognition of l-Dopa                                            | 2023 | ACS Applied Nano Materials                   | 6   | 12 | 10191 | 10201 | 10.1021/acsanm.3c01088       | <a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85163336581&amp;doi=10.1021%2Facsanm.3c01088&amp;partnerID=40&amp;md5=2b639f08ad88b6c65419f9224a2311ac">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85163336581&amp;doi=10.1021%2Facsanm.3c01088&amp;partnerID=40&amp;md5=2b639f08ad88b6c65419f9224a2311ac</a>             |

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|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|--------------------------------------------------|------|----|-------|-------|--------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| K.J., Goswami, K. J.; N.S., Sarma, Neelotpal Sen                                                                                                                                                                                          | "Click" Reaction-Mediated Silk Fibroin-Functionalized Thiol-Branched Graphene Oxide Quantum Dots for Smart Sensing of Tetracycline                                                       | 2023 | ACS Omega                                        | 8    | 24 | 21914 | 21928 | 10.1021/acsomega.3c01753       | <a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85163366593&amp;doi=10.1021%2Facsomega.3c01753&amp;partnerID=40&amp;md5=842e99797837820152ef9a2bc5fb0169">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85163366593&amp;doi=10.1021%2Facsomega.3c01753&amp;partnerID=40&amp;md5=842e99797837820152ef9a2bc5fb0169</a>             |
| P., Khound, Puspanjali; H., Sarma, Himangshu; P.P., Sarma, Partha Pratim; U.K., Jana, Uttam Kumar; R. Devi                                                                                                                                | Ultrasound-Assisted Extraction of Verbascoside from Clerodendrum glandulosum Leaves for Analysis of Antioxidant and Antidiabetic Activities                                              | 2023 | ACS Omega                                        | 8    | 23 | 20360 | 20369 | 10.1021/acsomega.3c00173       | <a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85163385185&amp;doi=10.1021%2Facsomega.3c00173&amp;partnerID=40&amp;md5=fee44b03ef4db2b0d1057f84af706271">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85163385185&amp;doi=10.1021%2Facsomega.3c00173&amp;partnerID=40&amp;md5=fee44b03ef4db2b0d1057f84af706271</a>             |
| A.N., Dev, Apul Narayan; B., Boro, Birbaishri; N.C., Adhikary, Nirab Chandra                                                                                                                                                              | Study of dust Ion acoustic solitary wave with non-maxwellian electron-positron in magnetized plasmas                                                                                     | 2023 | AIP Conference Proceedings                       | 2819 |    |       |       | 10.1063/5.0137568              | <a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85163598584&amp;doi=10.1063%2F5.0137568&amp;partnerID=40&amp;md5=50674bd8eecfbb8401ee2aac31d5206d">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85163598584&amp;doi=10.1063%2F5.0137568&amp;partnerID=40&amp;md5=50674bd8eecfbb8401ee2aac31d5206d</a>                           |
| B., Boro, Birbaishri; N.C., Adhikary, Nirab Chandra; A.N., Dev, Apul Narayan; B.K., Saikia, Bipul Kumar                                                                                                                                   | Streaming positron beam effect on relativistic multicomponent dusty plasma                                                                                                               | 2023 | AIP Conference Proceedings                       | 2819 |    |       |       | 10.1063/5.0137749              | <a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85163595333&amp;doi=10.1063%2F5.0137749&amp;partnerID=40&amp;md5=989e4d76450bb7d0c358c92ebc7d579b">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85163595333&amp;doi=10.1063%2F5.0137749&amp;partnerID=40&amp;md5=989e4d76450bb7d0c358c92ebc7d579b</a>                           |
| A.K., DUTTA, ASIM KUMAR; P.P., Dutta, Partha Pratim; B., Pathak, Bandita; D., Barman, Dipumoni; P., Baruah, Plabita; D., Devi, Deepmala; J.C., Borah, Jagat Chandra; N.C., Talukdar, Narayan Chandra                                      | Commercially important medicinal plants of North East India and their current applications – A review                                                                                    | 2023 | Indian Journal of Natural Products and Resources | 14   | 2  | 133   | 147   | 10.56042/ijnpr.v14i2.4181      | <a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85166593720&amp;doi=10.56042%2Fijnpr.v14i2.4181&amp;partnerID=40&amp;md5=d8844e901afe62d5db18bc1e5a1689da">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85166593720&amp;doi=10.56042%2Fijnpr.v14i2.4181&amp;partnerID=40&amp;md5=d8844e901afe62d5db18bc1e5a1689da</a>           |
| P., Sarkar, Priyanka; K., Kandimalia, Raghuram; A., Bhattacharya, Anupam; R., Wahengbam, Romi; M., Dehingia, Madhusmita; M.C., Kalita, Mohan Chandra; N.C., Talukdar, Narayan Chandra; R., Talukdar, Rupjyoti; M.R., Khan, Mojibur Rohman | Multi-Omics Analysis Demonstrates the Critical Role of Non-Ethanol Components of Alcoholic Beverages in the Host Microbiome and Metabolome: A Human- and Animal-Based Study              | 2023 | Microorganisms                                   | 11   | 6  |       |       | 10.3390/microorganisms11061501 | <a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85163879380&amp;doi=10.3390%2Fmicroorganisms11061501&amp;partnerID=40&amp;md5=54e5882ac0b8930159f0041476737844">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85163879380&amp;doi=10.3390%2Fmicroorganisms11061501&amp;partnerID=40&amp;md5=54e5882ac0b8930159f0041476737844</a> |
| S., Das, Santu; M.H., Meylan, Michael H.                                                                                                                                                                                                  | Effect of static compression on tsunami waves: Two-dimensional solution                                                                                                                  | 2023 | Physics of Fluids                                | 35   | 6  |       |       | 10.1063/5.0154094              | <a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85163599802&amp;doi=10.1063%2F5.0154094&amp;partnerID=40&amp;md5=52ae1a21b6328ac6a768a74a1b6b5397">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85163599802&amp;doi=10.1063%2F5.0154094&amp;partnerID=40&amp;md5=52ae1a21b6328ac6a768a74a1b6b5397</a>                           |
| B., Kakati, Bhargab; P., Saha, Payal; M.B., Sahariah, Munima Bora                                                                                                                                                                         | Spin-orbit coupling and electronic properties in Pt2MnGa: an ab-initio study                                                                                                             | 2023 | Physica Scripta                                  | 98   | 6  |       |       | 10.1088/1402-4896/acd72f       | <a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85162212494&amp;doi=10.1088%2F1402-4896%2Facd72f&amp;partnerID=40&amp;md5=0475fca357e395dd4c0957e97e0a7dc2">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85162212494&amp;doi=10.1088%2F1402-4896%2Facd72f&amp;partnerID=40&amp;md5=0475fca357e395dd4c0957e97e0a7dc2</a>         |
| R.R., Baruah, Rashmi Rekha; Y.K., Mohanta, Yugal Kishore; M., Saha, Muktaashree; S.S., Ghosh, Siddhartha Sankar; M.C., Kalita, Mohan Chandra; D., Devi, Dipali                                                                            | Reinforced non-mulberry silk fibroin–fibroin nanocomposites and their optimization for tissue engineering applications                                                                   | 2023 | Journal of Materials Science                     | 58   | 24 | 10131 | 10147 | 10.1007/s10853-023-08625-x     | <a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85162025568&amp;doi=10.1007%2Fs10853-023-08625-x&amp;partnerID=40&amp;md5=cb314837d4684484a6f7bc0169d173d9">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85162025568&amp;doi=10.1007%2Fs10853-023-08625-x&amp;partnerID=40&amp;md5=cb314837d4684484a6f7bc0169d173d9</a>         |
| U., Saikia, Ujjal; M.B., Sahariah, Munima Bora; B., Dutta, Biswanath; R., Pandey, Ravindra                                                                                                                                                | Structure, stability and defect energetics of interfaces formed between conventional and transformed phases in Cu-Nb layered nanocomposite                                               | 2023 | Physica Scripta                                  | 98   | 6  |       |       | 10.1088/1402-4896/acd5b3       | <a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85161275190&amp;doi=10.1088%2F1402-4896%2Facd5b3&amp;partnerID=40&amp;md5=65b4e857463ce63b9deaaac9fc37200d">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85161275190&amp;doi=10.1088%2F1402-4896%2Facd5b3&amp;partnerID=40&amp;md5=65b4e857463ce63b9deaaac9fc37200d</a>         |
| R., Patowary, Rupshikha; A., Devi, Arundhuti; A.K., Mukherjee, Ashis Kumar                                                                                                                                                                | Advanced bioremediation by an amalgamation of nanotechnology and modern artificial intelligence for efficient restoration of crude petroleum oil-contaminated sites: a prospective study | 2023 | Environmental Science and Pollution Research     | 30   | 30 | 74459 | 74484 | 10.1007/s11356-023-27698-4     | <a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85160265284&amp;doi=10.1007%2Fs11356-023-27698-4&amp;partnerID=40&amp;md5=3893427fc599cf8f9113e20795c1374f">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85160265284&amp;doi=10.1007%2Fs11356-023-27698-4&amp;partnerID=40&amp;md5=3893427fc599cf8f9113e20795c1374f</a>         |

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|---------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|------------------------------------------------------------------|-----|----|-------|-------|--------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| K., Phukan, Kabayashree; H., Sarma, Himangshu; R. Devi, D., Chowdhury, Devasish                                                                   | Acute toxicity study of onion peel-derived gold nano-bioconjugate                                                                                                                       | 2023 | 3 Biotech                                                        | 13  | 6  |       |       | 10.1007/s13205-023-03592-1     | <a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85158951896&amp;doi=10.1007%2Fs13205-023-03592-1&amp;partnerID=40&amp;md5=cadcb3f9c0f723ca575fa6591d3463fe">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85158951896&amp;doi=10.1007%2Fs13205-023-03592-1&amp;partnerID=40&amp;md5=cadcb3f9c0f723ca575fa6591d3463fe</a>         |
| Z., Khan, Zesmin; T.C., Thounaojam, Thorny Chanu; D., Chowdhury, Devasish; H., Upadhyaya, Hrishikesh                                              | The role of selenium and nano selenium on physiological responses in plant: a review                                                                                                    | 2023 | Plant Growth Regulation                                          | 100 | 2  | 409   | 433   | 10.1007/s10725-023-00988-0     | <a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85150623822&amp;doi=10.1007%2Fs10725-023-00988-0&amp;partnerID=40&amp;md5=af43cbae94afb2771054039b8800147b">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85150623822&amp;doi=10.1007%2Fs10725-023-00988-0&amp;partnerID=40&amp;md5=af43cbae94afb2771054039b8800147b</a>         |
| S., Das, Santu; M.H., Meylan, Michael H.                                                                                                          | Time-domain wave response of a compressible ocean due to an arbitrary ocean bottom motion                                                                                               | 2023 | Applied Mathematical Modelling                                   | 118 |    | 832   | 852   | 10.1016/j.apm.2023.01.030      | <a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85149173278&amp;doi=10.1016%2Fj.apm.2023.01.030&amp;partnerID=40&amp;md5=d75dbde5e4abd8f4710ea962b2f60f24">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85149173278&amp;doi=10.1016%2Fj.apm.2023.01.030&amp;partnerID=40&amp;md5=d75dbde5e4abd8f4710ea962b2f60f24</a>           |
| D., Sur, Deajeet; C., Mondal, Chaitali; A.K., Balaraman, Ashok Kumar; P.K., Haldar, Pallab Kanti; H.S., Maji, Himangshu Sekhar; A., Bala, Asis    | Attenuation of COX-2 enzyme by modulating H2O2-mediated NF-κB signaling pathway by monoamine oxidase inhibitor (MAOI): a further study on the reprofiling of MAOI in acute inflammation | 2023 | Inflammopharmacology                                             | 31  | 3  | 1305  | 1317  | 10.1007/s10787-023-01165-5     | <a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85148593659&amp;doi=10.1007%2Fs10787-023-01165-5&amp;partnerID=40&amp;md5=dbb54b60665bdaf753aea7736c69a37a">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85148593659&amp;doi=10.1007%2Fs10787-023-01165-5&amp;partnerID=40&amp;md5=dbb54b60665bdaf753aea7736c69a37a</a>         |
| J., Gogoi, Jahnnabi; T.K., Sarma, Tridib Kumar; D., Chowdhury, Devasish                                                                           | Carbon Dots as Solubilizing Agent for Insoluble Phosphates in Enhancing Soil Fertility                                                                                                  | 2023 | ChemistrySelect                                                  | 8   | 20 |       |       | 10.1002/slct.202204695         | <a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85160398079&amp;doi=10.1002%2Fslct.202204695&amp;partnerID=40&amp;md5=ec1776a9e40fd9dfd2cdc86ec3e1dd9e">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85160398079&amp;doi=10.1002%2Fslct.202204695&amp;partnerID=40&amp;md5=ec1776a9e40fd9dfd2cdc86ec3e1dd9e</a>                 |
| S., Sarkar, Sanu; A., Saikia, Aditi; S., Kundu, Sarathi                                                                                           | Effect of ions on the adsorption of lysozyme protein below its isoelectric point on hydrophilic (OH-Si) and hydrophobic (H-Si) surfaces                                                 | 2023 | New Journal of Chemistry                                         | 47  | 27 | 12697 | 12708 | 10.1039/d3nj00624g             | <a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85163821981&amp;doi=10.1039%2Fd3nj00624g&amp;partnerID=40&amp;md5=aa6cacad3f25163d8ffce5a90308412a">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85163821981&amp;doi=10.1039%2Fd3nj00624g&amp;partnerID=40&amp;md5=aa6cacad3f25163d8ffce5a90308412a</a>                         |
| D., Sarmah, Dimpee; M.A., Rather, Muzamil Ahmad; A., Sarkar, Anupama; M., Mandal, Manabendra; K., Sankaranarayanan, Kamatchi; N., Karak, Niranjan | Self-cross-linked starch/chitosan hydrogel as a biocompatible vehicle for controlled release of drug                                                                                    | 2023 | International Journal of Biological Macromolecules               | 237 |    |       |       | 10.1016/j.ijbiomac.2023.124206 | <a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85151245839&amp;doi=10.1016%2Fj.ijbiomac.2023.124206&amp;partnerID=40&amp;md5=c7d6480b2ded7ed2583dd00aaf6cb8d1">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85151245839&amp;doi=10.1016%2Fj.ijbiomac.2023.124206&amp;partnerID=40&amp;md5=c7d6480b2ded7ed2583dd00aaf6cb8d1</a> |
| N.J., Mondal, Nur Jalal; R., Sonkar, Rahul; S., Thakur, Samir; N.C., Adhikary, Nirab Chandra; D., Chowdhury, Devasish                             | Structural Modification in Au-MoS2 Quantum Dot Composites for Improved Catalytic Efficiency in p-Nitrophenol Reduction                                                                  | 2023 | ACS Applied Nano Materials                                       | 6   | 9  | 7351  | 7363  | 10.1021/acsanm.3c00475         | <a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85154553080&amp;doi=10.1021%2Facsanm.3c00475&amp;partnerID=40&amp;md5=cac96da6ba0c1999e8447d583bf664b">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85154553080&amp;doi=10.1021%2Facsanm.3c00475&amp;partnerID=40&amp;md5=cac96da6ba0c1999e8447d583bf664b</a>                   |
| S., Sau, Sanjib; S., Kundu, Sarathi                                                                                                               | Improved electrical and mechanical properties of highly stretchable polymeric films prepared by blending DMF with the mixed solution of PEDOT:PSS and PVA                               | 2023 | Colloids and Surfaces A: Physicochemical and Engineering Aspects | 664 |    |       |       | 10.1016/j.colsurfa.2023.131082 | <a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85148073366&amp;doi=10.1016%2Fj.colsurfa.2023.131082&amp;partnerID=40&amp;md5=277e72e7f7efc21de2bfa9762de8e7c4">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85148073366&amp;doi=10.1016%2Fj.colsurfa.2023.131082&amp;partnerID=40&amp;md5=277e72e7f7efc21de2bfa9762de8e7c4</a> |
| B.M., Devi, Bhaswati Mahalakshmi; M., Goswami, Manisha; S., Rabha, Suprakash; S., Kalita, Suravi; H.P., Sarma, Hari Prasad; A., Devi, Arundhuti   | Efficacious Sorption Capacities for Pb(II) from Contaminated Water: A Comparative Study Using Biowaste and Its Activated Carbon as Potential Adsorbents                                 | 2023 | ACS Omega                                                        | 8   | 17 | 15141 | 15151 | 10.1021/acsomega.3c00142       | <a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85154039971&amp;doi=10.1021%2Facsomega.3c00142&amp;partnerID=40&amp;md5=a126770602b177572dd60de8ca88430">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85154039971&amp;doi=10.1021%2Facsomega.3c00142&amp;partnerID=40&amp;md5=a126770602b177572dd60de8ca88430</a>               |
| T., Bhattacharjee, Tuhin; A., Konwar, Achyut; J.S., Boruah, Jayanta Sarmah; D., Chowdhury, Devasish; G., Majumdar, Gitanjali                      | A sustainable approach for heavy metal remediation from water using carbon dot based composites: A review                                                                               | 2023 | Journal of Hazardous Materials Advances                          | 10  |    |       |       | 10.1016/j.hazadv.2023.100295   | <a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85160565436&amp;doi=10.1016%2Fj.hazadv.2023.100295&amp;partnerID=40&amp;md5=37a450413988295c52e34ccd7f770e3e">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85160565436&amp;doi=10.1016%2Fj.hazadv.2023.100295&amp;partnerID=40&amp;md5=37a450413988295c52e34ccd7f770e3e</a>     |

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|---------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|------------------------------------------------------------------|-----|---|------|------|-----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| S., Sharma, Sudeshna; A., Devi, Arundhuti; K.G., Bhattacharyya, Krishna G.                                                      | Nickel-titanium dioxide-Fuller's earth nanocomposites: Synthesis, characterization and application as a photocatalyst in aqueous methylene blue degradation under visible light irradiation | 2023 | Inorganic Chemistry Communications                               | 151 |   |      |      | 10.1016/j.inoche.2023.10550       | <a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85149257937&amp;doi=10.1016%2Fj.inoche.2023.110550&amp;partnerID=40&amp;md5=5333a24bab0d420b8dd68a06167766bc">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85149257937&amp;doi=10.1016%2Fj.inoche.2023.110550&amp;partnerID=40&amp;md5=5333a24bab0d420b8dd68a06167766bc</a>           |
| M.P., Nath, Manash Pratim; H., Sarma, Hrishikesh; T., Chutia, Tridip; D.J., Kalita, Dhruva Jyoti; B., Choudhury, Biswajit       | Self-Assembled p-n Homojunction in SnS2 Nanosheets for Enhanced Visible Light-Driven Photocatalysis                                                                                         | 2023 | ACS Applied Nano Materials                                       | 6   | 7 | 5325 | 5335 | 10.1021/acsanm.2c05430            | <a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85151249104&amp;doi=10.1021%2Facsanm.2c05430&amp;partnerID=40&amp;md5=0639f1cad69e0c2bb22680ee14a611f1">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85151249104&amp;doi=10.1021%2Facsanm.2c05430&amp;partnerID=40&amp;md5=0639f1cad69e0c2bb22680ee14a611f1</a>                       |
| S., Nath, Susmita; A.K., Mukherjee, Ashis Kumar                                                                                 | Ethnomedicines for the treatment of scorpion stings: A perspective study                                                                                                                    | 2023 | Journal of Ethnopharmacology                                     | 305 |   |      |      | 10.1016/j.jep.2022.116078         | <a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85145216132&amp;doi=10.1016%2Fj.jep.2022.116078&amp;partnerID=40&amp;md5=b4249ab381f3d0f3c2e10080da1ae9c8">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85145216132&amp;doi=10.1016%2Fj.jep.2022.116078&amp;partnerID=40&amp;md5=b4249ab381f3d0f3c2e10080da1ae9c8</a>                 |
| R.J., Sarmah, Raktim Jyoti; S., Kundu, Sarathi                                                                                  | Stable layers of pure myelin basic protein (MBP): Structure, morphology and hysteresis behaviors                                                                                            | 2023 | Colloids and Surfaces A: Physicochemical and Engineering Aspects | 662 |   |      |      | 10.1016/j.colsurfa.2023.130973    | <a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85147249639&amp;doi=10.1016%2Fj.colsurfa.2023.130973&amp;partnerID=40&amp;md5=d996495c167495cc81121ac309d8c4d1">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85147249639&amp;doi=10.1016%2Fj.colsurfa.2023.130973&amp;partnerID=40&amp;md5=d996495c167495cc81121ac309d8c4d1</a>       |
| R.C., Jose, Robinson C.; T., Kanchal, Thangjam; B., Louis, Bengyella; N.C., Talukdar, Narayan Chandra; D., Chowdhury, Devasish  | Grain Characteristics, Moisture, and Specific Peptides Produced by Ustilaginoidea virens Contribute to False Smut Disease in Rice (Oryza sativa L.)                                         | 2023 | Biomolecules                                                     | 13  | 4 |      |      | 10.3390/biom13040669              | <a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85156147940&amp;doi=10.3390%2Fbiom13040669&amp;partnerID=40&amp;md5=df97194b8af0ce9767bf7e5a806565c">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85156147940&amp;doi=10.3390%2Fbiom13040669&amp;partnerID=40&amp;md5=df97194b8af0ce9767bf7e5a806565c</a>                             |
| D., Bora, Dibyajyoti; A., Tarafder, Aritra; S., Biswas, Subir; M.B., Chowdhuri, Malay Bikas; J., Ghosh, Joydeep                 | Uniform plasma generation with filament assisted DC discharge in a linear plasma device                                                                                                     | 2023 | Physica Scripta                                                  | 98  | 4 |      |      | 10.1088/1402-4896/acc1ad          | <a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85151526205&amp;doi=10.1088%2F1402-4896%2Facc1ad&amp;partnerID=40&amp;md5=dbe37770370267e35d6d509ceb01bae">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85151526205&amp;doi=10.1088%2F1402-4896%2Facc1ad&amp;partnerID=40&amp;md5=dbe37770370267e35d6d509ceb01bae</a>                 |
| P., Chakravarty, Paramita; H., Deka, Hemen; D., Chowdhury, Devasish                                                             | Anthracene removal potential of green synthesized titanium dioxide nanoparticles (TiO2-NPs) and Alcaligenes faecalis HP8 from contaminated soil                                             | 2023 | Chemosphere                                                      | 321 |   |      |      | 10.1016/j.chemosphere.2023.138102 | <a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85148104788&amp;doi=10.1016%2Fj.chemosphere.2023.138102&amp;partnerID=40&amp;md5=5d79ce53b9c591ad8e9cc3254fffd254">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85148104788&amp;doi=10.1016%2Fj.chemosphere.2023.138102&amp;partnerID=40&amp;md5=5d79ce53b9c591ad8e9cc3254fffd254</a> |
| J., Gogoi, Jahnabi; D., Chowdhury, Devasish                                                                                     | Photodegradation of emerging contaminant tetracycline using a zinc titanate nanocellulose composite as an efficient photocatalyst                                                           | 2023 | Materials Advances                                               | 4   | 9 | 2088 | 2098 | 10.1039/d3ma00118k                | <a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85153366373&amp;doi=10.1039%2Fd3ma00118k&amp;partnerID=40&amp;md5=0973940b9829b4e16b9d93ac907e5612">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85153366373&amp;doi=10.1039%2Fd3ma00118k&amp;partnerID=40&amp;md5=0973940b9829b4e16b9d93ac907e5612</a>                               |
| N., Sultana, Nasrin; A., Degg, Annabelle; K.J., Goswami, K. J.; B., Gogoi, Bedanta; T., Nilges, Tom; N.S., Sarma, Neelotpal Sen | Reduced Phosphorene Quantum Dot Incorporated Flexible Bio-Electronic Device for the Detection of Uric Acid in Real Media                                                                    | 2023 | ACS Applied Electronic Materials                                 | 5   | 3 | 1502 | 1513 | 10.1021/acsaelm.2c01528           | <a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85149468240&amp;doi=10.1021%2Facsaelm.2c01528&amp;partnerID=40&amp;md5=45605820acb5a22638dd6f9fb81e92b2">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85149468240&amp;doi=10.1021%2Facsaelm.2c01528&amp;partnerID=40&amp;md5=45605820acb5a22638dd6f9fb81e92b2</a>                     |
| P., Bhagowati, Purbajyoti; P., Saha, Payal; M.B., Sahariah, Munima Bora                                                         | Size-dependent optical properties of small titanium nitride nanoclusters                                                                                                                    | 2023 | Computational Materials Science                                  | 220 |   |      |      | 10.1016/j.commatsci.2023.112060   | <a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85147197574&amp;doi=10.1016%2Fj.commatsci.2023.112060&amp;partnerID=40&amp;md5=f1fe2abd49c7211f6bef591d2088bc1">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85147197574&amp;doi=10.1016%2Fj.commatsci.2023.112060&amp;partnerID=40&amp;md5=f1fe2abd49c7211f6bef591d2088bc1</a>       |
| R., Mazumdar, Rajkumari; P.P., Dutta, Partha Pratim; J., Saikia, Juri; J.C., Borah, Jagat Chandra; D., Thakur, Debajit          | Streptomyces sp. Strain PBR11, a Forest-Derived Soil Actinomycetia with Antimicrobial Potential                                                                                             | 2023 | Microbiology Spectrum                                            | 11  | 2 |      |      | 10.1128/spectrum.03489-22         | <a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85157997682&amp;doi=10.1128%2Fspectrum.03489-22&amp;partnerID=40&amp;md5=f80deff1e044aa5a6da25e9d3cddf2d">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85157997682&amp;doi=10.1128%2Fspectrum.03489-22&amp;partnerID=40&amp;md5=f80deff1e044aa5a6da25e9d3cddf2d</a>                   |

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|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|----------------------------------------------------------------|------|---|------|------|------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| K.N., Patowary, Kaustuvmani N.; T.C., Bhuyan, Tamanna C.; R., Patowary, Rupshikha; Y.K., Mohanta, Yugal Kishore; B.P., Panda, Bibhu Prasad; S., Deka, Suresh; N.F., Islam, N. F.; S.J., Joshi, Sanket J.; H., Sarma, Hemen | Soil treatment using a biosurfactant producing bacterial consortium in rice fields contaminated with oily sludge—a sustainable approach                                                                   | 2023 | Environmental Research                                         | 220  |   |      |      | 10.1016/j.envres.2022.115092 | <a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85145693670&amp;doi=10.1016%2Fj.envres.2022.115092&amp;partnerID=40&amp;md5=ac5c513866b6d7256edd08cdcd17f304">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85145693670&amp;doi=10.1016%2Fj.envres.2022.115092&amp;partnerID=40&amp;md5=ac5c513866b6d7256edd08cdcd17f304</a> |
| S., Gurumayum, Shalini; S., Bharadwaj, Simanta; Y., Sheikh, Yunus; S.R., Barge, Sagar Ramrao; K., Saikia, Kangkon; D., Swargiary, Deepsikha; S.A., Ahmed, Semim Akhtar; D., Thakur, Debajit; J.C., Borah, Jagat Chandra    | Taxifolin-3-O-glucoside from <i>Osbeckia nepalensis</i> Hook. mediates antihyperglycemic activity in CC1 hepatocytes and in diabetic Wistar rats via regulating AMPK/G6Pase/PEPCK signaling axis          | 2023 | Journal of Ethnopharmacology                                   | 303  |   |      |      | 10.1016/j.jep.2022.115936    | <a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85143343850&amp;doi=10.1016%2Fj.jep.2022.115936&amp;partnerID=40&amp;md5=5d292286c6e5ab9bb749373ea2354b62">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85143343850&amp;doi=10.1016%2Fj.jep.2022.115936&amp;partnerID=40&amp;md5=5d292286c6e5ab9bb749373ea2354b62</a>       |
| A., Deb, Ankita; G.R., Nalkar, Gaurav Raghunath; D., Chowdhury, Devasish                                                                                                                                                   | Biogenic carbon dot-based fluorescence-mediated immunosensor for the detection of disease biomarker                                                                                                       | 2023 | Analytica Chimica Acta                                         | 1242 |   |      |      | 10.1016/j.aca.2023.340808    | <a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85146611744&amp;doi=10.1016%2Fj.aca.2023.340808&amp;partnerID=40&amp;md5=0326369e4646c5c93b5523f018179225">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85146611744&amp;doi=10.1016%2Fj.aca.2023.340808&amp;partnerID=40&amp;md5=0326369e4646c5c93b5523f018179225</a>       |
| B., Bhaskar, Bhuwan; A., Bhattacharya, Anupam; A., Adak, Atanu; S., Das, Santanu; M.R., Khan, Mojibur Rohman                                                                                                               | A Human and Animal Based Study Reveals That a Traditionally Fermented Rice Beverage Alters Gut Microbiota and Fecal Metabolites for Better Gut Health                                                     | 2023 | Fermentation                                                   | 9    | 2 |      |      | 10.3390/fermentation9020126  | <a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85148704444&amp;doi=10.3390%2Ffermentation9020126&amp;partnerID=40&amp;md5=3f8ca2836287bff6e50072cac8d3daee">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85148704444&amp;doi=10.3390%2Ffermentation9020126&amp;partnerID=40&amp;md5=3f8ca2836287bff6e50072cac8d3daee</a>   |
| S.A., Ahmed, Semim Akhtar; P., Sarma, Pranamika; S.R., Barge, Sagar Ramrao; D., Swargiary, Deepsikha; G.S., Devi, Gurumayum Shalini; J.C., Borah, Jagat Chandra                                                            | Xanthosine, a purine glycoside mediates hepatic glucose homeostasis through inhibition of gluconeogenesis and activation of glycogenesis via regulating the AMPK/FoxO1/AKT/GSK3 $\beta$ signaling cascade | 2023 | Chemico-Biological Interactions                                | 371  |   |      |      | 10.1016/j.cbi.2023.110347    | <a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85146558505&amp;doi=10.1016%2Fj.cbi.2023.110347&amp;partnerID=40&amp;md5=e4c778747a0a11096260f47d8cf8b602">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85146558505&amp;doi=10.1016%2Fj.cbi.2023.110347&amp;partnerID=40&amp;md5=e4c778747a0a11096260f47d8cf8b602</a>       |
| A., Begum, Anjana; G., Choudhury, Gautam                                                                                                                                                                                   | Analysis of an M/(G1G2)/1 Queue with Bernoulli Vacation and Server Breakdown                                                                                                                              | 2023 | International Journal of Applied and Computational Mathematics | 9    | 1 |      |      | 10.1007/s40819-022-01481-4   | <a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85145366216&amp;doi=10.1007%2Fs40819-022-01481-4&amp;partnerID=40&amp;md5=cb47922768514fd97c4ad7266e2c3b67">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85145366216&amp;doi=10.1007%2Fs40819-022-01481-4&amp;partnerID=40&amp;md5=cb47922768514fd97c4ad7266e2c3b67</a>     |
| C., Malakar, Chandana; B., Kashyap, Bhaswati; M.C., Kalita, Mohan Chandra; S., Deka, Suresh                                                                                                                                | Wound healing efficacy of rhamnolipid-coated zinc oxide nanoparticle along with its in vivo antibacterial efficacy against <i>Staphylococcus aureus</i>                                                   | 2023 | Experimental Dermatology                                       | 32   | 2 | 154  | 164  | 10.1111/exd.14692            | <a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85141396204&amp;doi=10.1111%2Fexd.14692&amp;partnerID=40&amp;md5=1fc4c34f416d9454c5963b6e80b52ed">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85141396204&amp;doi=10.1111%2Fexd.14692&amp;partnerID=40&amp;md5=1fc4c34f416d9454c5963b6e80b52ed</a>                         |
| B., Kashyap, Bhaswati; K., Saikia, Kangkon; S.K., Samanta, Suman Kumar; D., Thakur, Debajit; S.K., Banerjee, Sanjay Kumar; J.C., Borah, Jagat Chandra; N.C., Talukdar, Narayan Chandra                                     | Kaempferol 3-O-rutinoside from <i>Antidesma acidum</i> Retz. Stimulates glucose uptake through SIRT1 induction followed by GLUT4 translocation in skeletal muscle L6 cells                                | 2023 | Journal of Ethnopharmacology                                   | 301  |   |      |      | 10.1016/j.jep.2022.115788    | <a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85139731499&amp;doi=10.1016%2Fj.jep.2022.115788&amp;partnerID=40&amp;md5=9be6304177abd27d7b34f03682765561">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85139731499&amp;doi=10.1016%2Fj.jep.2022.115788&amp;partnerID=40&amp;md5=9be6304177abd27d7b34f03682765561</a>       |
| A., Saikia, Aditi; S., Kundu, Sarathi                                                                                                                                                                                      | An environmentally benign l-cysteine functionalized ZnO/TiO2 nanohybrid decorated on cellulose nanofibers for effective photo degradation of organic hydrocarbons                                         | 2023 | New Journal of Chemistry                                       | 47   | 8 | 4074 | 4085 | 10.1039/d2nj05843j           | <a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85147740283&amp;doi=10.1039%2Fd2nj05843j&amp;partnerID=40&amp;md5=e6679271962073c914e186516e394cb7">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85147740283&amp;doi=10.1039%2Fd2nj05843j&amp;partnerID=40&amp;md5=e6679271962073c914e186516e394cb7</a>                     |
| K., Kalita, Kaberi; S.J., Phukan, Shankab J.; S., Garai, Somenath; K., Sankaranarayanan, Kamatchi                                                                                                                          | Polyoxometalates Mediated Amyloid Fibrillation Dynamics and Restoration of Enzyme Activity of Hen Egg White Lysozyme Treated under Cold Atmospheric Pressure Plasma                                       | 2023 | ACS Omega                                                      |      |   |      |      | 10.1021/acsomega.3c06921     | <a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85182572299&amp;doi=10.1021%2Facsomega.3c06921&amp;partnerID=40&amp;md5=27ae52b1466462234556c7bbd0e1f386">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85182572299&amp;doi=10.1021%2Facsomega.3c06921&amp;partnerID=40&amp;md5=27ae52b1466462234556c7bbd0e1f386</a>         |
| K., Saikia, Kangkon; S., Dey, Saurav; S.N., Hazarika, Shabiha Nudrat; G.K., Handique, Gautam Kumar; D., Thakur, Debajit; A.K., Handique, Arun Kumar                                                                        | Chemical and biochemical characterization of <i>Ipomoea aquatica</i> : genoprotective potential and inhibitory mechanism of its phytochemicals against $\alpha$ -amylase and $\alpha$ -glucosidase        | 2023 | Frontiers in Nutrition                                         | 10   |   |      |      | 10.3389/fnut.2023.1304903    | <a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85181522042&amp;doi=10.3389%2Ffnut.2023.1304903&amp;partnerID=40&amp;md5=074ea4e4d0ded5738dee9aedb4da4b44">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85181522042&amp;doi=10.3389%2Ffnut.2023.1304903&amp;partnerID=40&amp;md5=074ea4e4d0ded5738dee9aedb4da4b44</a>       |

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|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|----------------------------------------------------------|-----|----|-------|-------|----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| N.K., Sah, Neeraj Kumar; S.J., Phukan, Shankab J.; D.N., Madhusudan, Dasnur Nanjappa; K., Sankaranarayanan, Kamatchi; M., Roy, Manas; S., Garai, Somenath                                            | Polyoxometalate-Induced Nano-Engineered Composite Materials for Energy Storage Supercapacitor Applications                                                                                              | 2023 |                                                          |     |    | 50    | 76    | 10.1201/978100320870       | <a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85175396803&amp;doi=10.1201%2F9781003208709-3&amp;partnerID=40&amp;md5=2c8ea88dbe0bb76cd2587b0ec0989776">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85175396803&amp;doi=10.1201%2F9781003208709-3&amp;partnerID=40&amp;md5=2c8ea88dbe0bb76cd2587b0ec0989776</a>                     |
| S., Maitra, Subarnarekha; D., Bhattacharya, Debarati; S., Paul, Souvik; P.G., Chowdhury, Payel Ghosh; D., Mandal, Dipanjan; P.K., Haldar, Pallab Kanti; A.K., Balaraman, Ashok Kumar; A., Bala, Asis | Programmed Cell Death Protein 1 (PD-1) in Relation to PANoptosis: Immune Pharmacological Targets for Management of Breast Adenocarcinoma                                                                | 2023 | Endocrine, Metabolic and Immune Disorders - Drug Targets | 23  | 13 | 1571  | 1585  | 10.2174/187153032366       | <a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85162791199&amp;doi=10.2174%2F1871530323666230213121803&amp;partnerID=40&amp;md5=ee2091741559c7edc8d8fe6036ea9355">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85162791199&amp;doi=10.2174%2F1871530323666230213121803&amp;partnerID=40&amp;md5=ee2091741559c7edc8d8fe6036ea9355</a> |
| J.S., Boruah, Jayanta Sarmah; P., Kalita, Pankaj; D., Chowdhury, Devasish; M., Barthakur, Manash                                                                                                     | Formulation of nanoparticle-based fluorescence dye for detection of excitable cell                                                                                                                      | 2023 | Materials Today: Proceedings                             | 80  |    | 2182  | 2186  | 10.1016/j.matpr.2021.0     | <a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85153575628&amp;doi=10.1016%2Fj.matpr.2021.06.172&amp;partnerID=40&amp;md5=a493c4403bd1a8cc1f61baf6f3478842">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85153575628&amp;doi=10.1016%2Fj.matpr.2021.06.172&amp;partnerID=40&amp;md5=a493c4403bd1a8cc1f61baf6f3478842</a>             |
| U., Puzari, Upasana; M., Goswami, Mahasweta; K., Rani, Komal; A., Patra, Aparup; A.K., Mukherjee, Ashis Kumar                                                                                        | Computational and in vitro analyses to identify the anticoagulant regions of Echicetin, a snake venom anticoagulant C-type lectin (snaclec): possibility to develop anticoagulant peptide therapeutics? | 2023 | Journal of Biomolecular Structure and Dynamics           | 41  | 24 | 15569 | 15583 | 10.1080/07391102.202       | <a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85151919080&amp;doi=10.1080%2F07391102.2023.2191138&amp;partnerID=40&amp;md5=7c4134df9ff15ac6b9a689a50add2505">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85151919080&amp;doi=10.1080%2F07391102.2023.2191138&amp;partnerID=40&amp;md5=7c4134df9ff15ac6b9a689a50add2505</a>         |
| S.K., Pore, Subrata Kumar; S.K., Samanta, Suman Kumar; B., Gogoi, Bhaskarijyoti; E.R., Hahm, Eun Ryeong                                                                                              | Editorial: Phytochemicals in cancer prevention and therapeutics: Current advancement and future perspective                                                                                             | 2023 | Frontiers in Pharmacology                                | 14  |    |       |       | 10.3389/fphar.2023.115     | <a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85149865661&amp;doi=10.3389%2Ffphar.2023.1156197&amp;partnerID=40&amp;md5=5b061003d6458b7cc4148d733e0943f2">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85149865661&amp;doi=10.3389%2Ffphar.2023.1156197&amp;partnerID=40&amp;md5=5b061003d6458b7cc4148d733e0943f2</a>               |
| J.S., Boruah, Jayanta Sarmah; D., Chowdhury, Devasish                                                                                                                                                | Advances in Carbon Nanomaterial–Clay Nanocomposites for Diverse Applications                                                                                                                            | 2023 | Minerals                                                 | 13  | 1  |       |       | 10.3390/min13010026        | <a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85146540182&amp;doi=10.3390%2Fmin13010026&amp;partnerID=40&amp;md5=8dea6d9af82c4b7b59f8adb5efdadcdf">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85146540182&amp;doi=10.3390%2Fmin13010026&amp;partnerID=40&amp;md5=8dea6d9af82c4b7b59f8adb5efdadcdf</a>                             |
| S., Saha, Sunanda; S., Das, Santu; S.N., Bora, Swaroop Nandan                                                                                                                                        | Trapped waves within the blocking frequency under compressed sea ice and two-dimensional current                                                                                                        | 2023 | Marine Structures                                        | 87  |    |       |       | 10.1016/j.marstruc.202     | <a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85142129819&amp;doi=10.1016%2Fj.marstruc.2022.103336&amp;partnerID=40&amp;md5=92cf92e81ae69c4c419194e8454c9136">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85142129819&amp;doi=10.1016%2Fj.marstruc.2022.103336&amp;partnerID=40&amp;md5=92cf92e81ae69c4c419194e8454c9136</a>       |
| J., Deka, Jahnabi; H.K., Das, Hitesh K.; A., Singh, Anmol; P., Barman, Pranjit; A., Devi, Arundhuti; K.G., Bhattacharyya, Krishna G.                                                                 | Methylene blue removal using raw and modified biomass <i>Plumeria alba</i> (white frangipani) in batch mode: isotherm, kinetics, and thermodynamic studies                                              | 2023 | Environmental Monitoring and Assessment                  | 195 | 1  |       |       | 10.1007/s10661-022-10597-5 | <a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85140367568&amp;doi=10.1007%2Fs10661-022-10597-5&amp;partnerID=40&amp;md5=1433c23c3352d51f7dde24beca4a4f5e">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85140367568&amp;doi=10.1007%2Fs10661-022-10597-5&amp;partnerID=40&amp;md5=1433c23c3352d51f7dde24beca4a4f5e</a>               |
| K.J., Goswami, K. J.; N., Sultana, Nasrin; N.S., Sarma, Neelotpal Sen                                                                                                                                | Duel phase selective inner filter effect-based luminescent sensing for the detection of para-nitrophenol and picric acid                                                                                | 2023 | Sensors and Actuators B: Chemical                        | 374 |    |       |       | 10.1016/j.snb.2022.132     | <a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85139730771&amp;doi=10.1016%2Fj.snb.2022.132778&amp;partnerID=40&amp;md5=c46bf75fa2dbaa677a584de685472cbb">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85139730771&amp;doi=10.1016%2Fj.snb.2022.132778&amp;partnerID=40&amp;md5=c46bf75fa2dbaa677a584de685472cbb</a>                 |
| P., Kalita, Parismita; P., Jyoti Boruah, Palash; R., Ruchel Khanikar, Rakesh; H., Bailung, Heremba                                                                                                   | Plasma–induced rapid crystallization and surface engraving of amorphous TiOx(OH)y to enhance adsorption and photocatalytic activity                                                                     | 2023 | Journal of Photochemistry and Photobiology A: Chemistry  | 434 |    |       |       | 10.1016/j.jphotochem.2     | <a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85137558916&amp;doi=10.1016%2Fj.jphotochem.2022.114251&amp;partnerID=40&amp;md5=264f41892b33e7f086b386d49d574e15">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85137558916&amp;doi=10.1016%2Fj.jphotochem.2022.114251&amp;partnerID=40&amp;md5=264f41892b33e7f086b386d49d574e15</a>   |
| S., Das, Sushmita; M.J., Bhattacharjee, Maloyjo Joyraj; A.K., Mukherjee, Ashis Kumar; M.R., Khan, Mojibur Rohman                                                                                     | Recent advances in understanding of multifaceted changes in the vaginal microenvironment: implications in vaginal health and therapeutics                                                               | 2023 | Critical Reviews in Microbiology                         | 49  | 2  | 256   | 282   | 10.1080/1040841X.202       | <a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85126762044&amp;doi=10.1080%2F1040841X.2022.2049696&amp;partnerID=40&amp;md5=a844568f2095f346c27d4d8ca7598bcc">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85126762044&amp;doi=10.1080%2F1040841X.2022.2049696&amp;partnerID=40&amp;md5=a844568f2095f346c27d4d8ca7598bcc</a>         |

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|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-------------------------------------------------------------|-----|----|------|------|-------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| A., Goswami, Anurupa; D., Devi, Dipali                                                                                                                                                                                                                                                                                                                                                                                  | Structural insight on the liquid silk from the middle silk gland of non-mulberry silkworm <i>Antheraea assamensis</i>                                                                                                                  | 2023 | Journal of Biomolecular Structure and Dynamics              | 41  | 3  | 1128 | 1139 | 10.1080/07391102.2021.2017347 | <a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85121822770&amp;doi=10.1080%2F07391102.2021.2017347&amp;partnerID=40&amp;md5=ef8164062de460e1c3ff03d091f01ac6">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85121822770&amp;doi=10.1080%2F07391102.2021.2017347&amp;partnerID=40&amp;md5=ef8164062de460e1c3ff03d091f01ac6</a> |
| S., Kalita, Suravi; S., Kumar, Sejal; H.P., Sarma, Hari Prasad; A., Devi, Arundhuti                                                                                                                                                                                                                                                                                                                                     | Total organic carbon, heavy metal content and metal bioaccumulation in a freshwater wetland of Indo-Burmese province, India                                                                                                            | 2023 | International Journal of Environmental Analytical Chemistry | 103 | 16 | 4488 | 4502 | 10.1080/03067319.2021.1928104 | <a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85107357596&amp;doi=10.1080%2F03067319.2021.1928104&amp;partnerID=40&amp;md5=99e4c00c50697cee85b8b13226d62a12">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85107357596&amp;doi=10.1080%2F03067319.2021.1928104&amp;partnerID=40&amp;md5=99e4c00c50697cee85b8b13226d62a12</a> |
| Y., Maron, R., Doron, M., Cvejic, E., Stambulchik, D., Mikitchuk, C., Stollberg, T., Queller, E., Kroupp, G., Rosenzweig, B., Rubinstein, S., Biswas, V., Bernshtam, O., Nedostup, V., Litmanovich, V., Fisher, A., Starobinets, A., Fruchtmann, A., Fisher, V., Tangri, J. L., Giuliani, A. L., Velikovich, A., Dasgupta, I. E., Ochs, E. J., Kolmes, M. E., Mlodik, S., Davidovits, N. J., Fisch, and M. D., Johnston | Spectroscopic Determination of Magnetic Fields in Pulsed-Power and High-Energy-Density Plasmas                                                                                                                                         | 2023 | IEEE Transactions on Plasma Science                         | 51  | 11 | 3407 | 3425 | 10.1109/TPS.2023.3296561      | <a href="https://www.scopus.com/pages/publications/85170533039">https://www.scopus.com/pages/publications/85170533039</a>                                                                                                                                                                                                                         |
| J., Castro-Amorim, Juliana; A. N., Oliveira, Ana Novo de; S. L. D., Silva, Saulo Luis Da; A. M., Soares, Andreimar; A.K., Mukherjee, Ashis; M. J., Ramos, Maria João; P. A., Fernandes, Pedro.                                                                                                                                                                                                                          | Catalytically Active Snake Venom PLA2 Enzymes: An Overview of Its Elusive Mechanisms of Reaction                                                                                                                                       | 2023 | Journal of Medicinal Chemistry                              | 66  | 8  | 5364 | 5376 | 10.1021/acs.jmedchem.3c00097  | <a href="https://pubs.acs.org/doi/10.1021/acs.jmedchem.3c00097">https://pubs.acs.org/doi/10.1021/acs.jmedchem.3c00097</a>                                                                                                                                                                                                                         |
| D., Madhubala, Dev; A., Patra, Aparup; T., Islam, Taufikur ; K., Saikia, Kangkon; M. R., Khan, Mojibur Rahman; S. A., Ahmed, Semim Akhtar ; J. C. Borah, Jagat Chandra; A. K., Mukherjee, Ashis.                                                                                                                                                                                                                        | Snake venom nerve growth factor-inspired designing of novel peptide therapeutics for the prevention of paraquat induced apoptosis, neurodegeneration, and alteration of metabolic pathway genes in the rat pheochromocytoma PC-12 cell | 2023 | Free Radical Biology and Medicine                           | 197 |    | 23   | 45   | 10.1016/j.freeradbiomed       | <a href="https://www.sciencedirect.com/science/article/pii/S0891584923000308?via%3Dihub">https://www.sciencedirect.com/science/article/pii/S0891584923000308?via%3Dihub</a>                                                                                                                                                                       |