

Authors	Title	Year	Source title	Volume	Issue	Page start	Page end	DOI	Link
R., Reema, Reema; T., Bedmutha, Tejas; N., Kakati, Nishanta; V.V.S.P.K., Rayala, Veera Venkata Satya Prasanna Kumar; P., Radhakrishnanand, Pullapanthula; C., Juliya Devi, Chingakhm; D., Thakur, Debajit; K., Sankaranarayanan, Kamatchi	Ethidium Bromide Degradation by Cold Atmospheric Plasma in Water and the Assessment of Byproduct Toxicity for Environmental Protection	2024	ACS Omega	9	49	48044	48054	10.1021/acsomega.4c04302	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85210383194&doi=10.1021%2Facsomega.4c04302&partnerID=40&md5=333cff3a8024e4bc183d191ea4c1f741
D., Gogoi, Debananda; P., Chattopadhyay, Pronobesh; S.K., Dolui, Swapan Kumar; M.R., Khan, Mojibur Rohman; A.K., Mukherjee, Ashis Kumar	Studies on in vivo antithrombotic activity of quercetin, a natural flavonoid isolated from a traditional medicinal plant, African eggplant (<i>Solanum indicum</i>)	2024	Journal of Ethnopharmacolog y	335				10.1016/j.jep.2024.118686	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85201218665&doi=10.1016%2Fj.jep.2024.118686&partnerID=40&md5=573c5a228e1f2d71dfcdfb9a30d7257b
N., Sultana, Nasrin; S.V., Andagonde, Shreyash Vijay; R., Chakraborty, Ratul; A., Bala, Asis; N.S., Sarma, Neelotpal Sen	A non-enzymatic dual sensing approach for the detection of cholesterol in real samples using silk fiber functionalized phosphorene quantum dots	2024	Nanoscale	17	6	3042	3052	10.1039/d4nr03945a	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85212758616&doi=10.1039%2Fd4nr03945a&partnerID=40&md5=20f03e285ac5277257d2a3b4235c91ec
R., Pethiyagoda, Ravindra; S., Das, Santu; M.H., Meylan, Michael H.	Evolution of arbitrary temporal ocean floor motion-induced surface waves over a trench	2024	Physics of Fluids	36	12			10.1063/5.0241619	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85211235752&doi=10.1063%2F5.0241619&partnerID=40&md5=113cc37998124f2f5ed16f1e85bf512c
S., Sau, Sanjib; S., Kundu, Sarathi	Significant enhancement in the conductivity of highly transparent PEDOT:PSS thin film through maleic acid treatment	2024	Physica Scripta	99	12			10.1088/1402-4896/ad8bfd	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85209542866&doi=10.1088%2F1402-4896%2Fad8bfd&partnerID=40&md5=9243478c4ed2a323ff18b03047fa4fbc
D., Basumatary, Devi; S., Das, Santanu; M., Bidiyarani Devi, M.; G., Shalini Devi, G.; P., Sarma, Pranamika; A.K., Mukherjee, Ashis Kumar; M.R., Khan, Mojibur Rohman; J.C., Borah, Jagat Chandra	Garcinol enriched fraction of Garcinia morella (Gaertn.) Desr. fruit rind improves gut health and reduces the risk of nonalcoholic fatty liver disease by regulating PCK1/ACC/SREBP1/FASN pathway in a mouse model	2024	Food Research International	197				10.1016/j.foodres.2024.115285	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85208593644&doi=10.1016%2Fj.foodres.2024.115285&partnerID=40&md5=c279b0bd9681ea022761e39d3f996aea
S., Gurumayum, Shalini; D., Basumatary, Devi; P., Sarma, Pranamika; K., Saikia, Kangkon; D., Swargiary, Deepshikha; S.A., Akhtar, Semim Ahmed; A., Saikia, Abhipsha; J.C., Borah, Jagat Chandra	Dietary vegetable <i>Sarcocochlamys pulcherrima</i> Gaud. And its bioactive compound myricitrin promotes white adipose browning in obese models via AMPK/SIRT1/UCP1 upregulation	2024	Food Bioscience	62				10.1016/j.fbio.2024.105292	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85206995556&doi=10.1016%2Fj.fbio.2024.105292&partnerID=40&md5=8764127dda2adcca96e4542eb7e3b440
A., Chanda, Abhishek; N.C., Salvi, Nitin C.; P.V., Shelke, Pravin V.; B., Kalita, Bhargab; A., Patra, Aparup; U., Puzari, Upasana; M.V., Khadilkar, Milind V.; A.K., Mukherjee, Ashis Kumar	Supplementation of polyclonal antibodies, developed against epitope-string toxin-specific peptide immunogens, to commercial polyvalent antivenom, shows improved neutralization of Indian Big Four and Naja kaouthia snake venoms	2024	Toxicon: X	24				10.1016/j.toxcx.2024.100210	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85205299245&doi=10.1016%2Fj.toxcx.2024.100210&partnerID=40&md5=877970cf569f5e04aa9063abf145a582
A., Kumar, Arun; M.K., Saha, Manti Kumar; V., Kumar, Vipin; A., Bhattacharya, Anupam; S.R., Barge, Sagar Ramrao; A.K., Mukherjee, Ashis Kumar; M.C., Kalita, Mohan Chandra; M.R., Khan, Mojibur Rohman	Correction to: Heat-killed probiotic <i>Levilactobacillus brevis</i> MKAK9 and its exopolysaccharide promote longevity by modulating aging hallmarks and enhancing immune responses in <i>Caenorhabditis elegans</i> (Immunity & Ageing, (2024), 21, 1, (52), 10.1186/s12979-024-00457-w)	2024	Immunity and Ageing	21	1			10.1186/s12979-024-00464-x	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85202746310&doi=10.1186%2Fs12979-024-00464-x&partnerID=40&md5=5ab96f38fa0a6fdc103a7de1ac6b14c3
A., Kumar, Arun; M.K., Saha, Manti Kumar; V., Kumar, Vipin; A., Bhattacharya, Anupam; S.R., Barge, Sagar Ramrao; A.K., Mukherjee, Ashis Kumar; M.C., Kalita, Mohan Chandra; M.R., Khan, Mojibur Rohman	Heat-killed probiotic <i>Levilactobacillus brevis</i> MKAK9 and its exopolysaccharide promote longevity by modulating aging hallmarks and enhancing immune responses in <i>Caenorhabditis elegans</i>	2024	Immunity and Ageing	21	1			10.1186/s12979-024-00457-w	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85200201837&doi=10.1186%2Fs12979-024-00457-w&partnerID=40&md5=8f5415be350975f177bdaa42b5f0bf1b
C., Malakar, Chandana; M., Ali, Mehjabin; R., Patowary, Rupshikha; S., Deka, Suresh	Production of Lipopeptide Biosurfactant Using Wastewater from Parboiled Paddy Rice and Evaluation of Antifungal Property of the Biosurfactant Against Two Dermatophyte Fungi	2024	Applied Biochemistry and Biotechnology	196	12	9010	9026	10.1007/s12010-024-05000-7	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85200119295&doi=10.1007%2Fs12010-024-05000-7&partnerID=40&md5=b358ab5dc2ef3a22699a6f02c34be4fe
N., Jalal Mondal, Nur; R., Sonkar, Rahul; M., Barman, Mridusmita; M.P., Ghosh, Mritunjoy Prasad; D., Chowdhury, Devasish	Quaternary Cu ₂ ZnSnS ₄ and Cu ₂ ZnSnS ₄ -WS ₂ composite for enhanced antioxidant, antibacterial, and photocatalyst for degradation of sulfamethoxazole	2024	Journal of Photochemistry and Photobiology A: Chemistry	457				10.1016/j.jphotochem.2024.115907	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85199938238&doi=10.1016%2Fj.jphotochem.2024.115907&partnerID=40&md5=e1eede50b7d51ad88bc8af4dd77f893d
R., Mazumdar, Rajkumari; D., Thakur, Debajit	Antibacterial activity and biosynthetic potential of <i>Streptomyces</i> sp. PBR19, isolated from forest rhizosphere soil of Assam	2024	Brazilian Journal of Microbiology	55	4	3335	3352	10.1007/s42770-024-01454-3	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85198132748&doi=10.1007%2Fs42770-024-01454-3&partnerID=40&md5=e7e7e9dedebf153134d31fcb2f15545e
L.B., Mahanta, Lipi B.; D.R., Mahanta, Deva Raj; T.Y., Rahman, Taibur Y.; C., Chakraborty, Chandan	Handloomed fabrics recognition with deep learning	2024	Scientific Reports	14	1			10.1038/s41598-024-58750-z	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85189437467&doi=10.1038%2Fs41598-024-58750-z&partnerID=40&md5=61defafe26480a33633640b98bdf082b

T., Hazarika, Tanmoi; B., Kakati, Bharat; D., Pal, Dipankar; R., Saikia, Rimlee; A., Rawal, Ankita; M.K., Mahanta, Manoj Kumar; S., Biswas, Subir	Role of plasma process gas on permeate flux augmentation of cellulose nitrate membrane for mud water treatment	2024	Scientific Reports	14	1			10.1038/s41598-024-56948-9	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85188165479&doi=10.1038%2F541598-024-56948-9&partnerID=40&md5=a3af86fc0cea728e28c7bc31bfee1d72
T., Sinha, Tamali; N.C., Talukdar, Narayan Chandra	Phylum Level Diversity of Plant Interior Bacteria in Seeds, Supernatant and Pellet Phases of Seed Suspension of Mustard Plant	2024	Indian Journal of Microbiology	64	4	1587	1597	10.1007/s12088-023-01184-4	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85184468246&doi=10.1007%2F512088-023-01184-4&partnerID=40&md5=4b6787d05f191edd09ab614ec3477796
T.K., Joishy, Tulsi Kumari; A., Bhattacharya, Anupam; C.T., Singh, Chingtham Thanli; A.K., Mukherjee, Ashis Kumar; M.R., Khan, Mojibur Rahman	Probiotic and anti-inflammatory properties of Lactiplantibacillus plantarum MKT24 isolated from an artisanal fermented fish of North-east India	2024	New Biotechnology	83		121	132	10.1016/j.nbt.2024.07.005	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85200806760&doi=10.1016%2Fj.nbt.2024.07.005&partnerID=40&md5=1b71aab63f05276f35b197734f56755d
K.B., Singh, Khomdram Bijoykumar; J., Bora, Jyotisman; B., Basumatary, Bablu; S., Bora, Shakyadeep; A.R., Pal, Arup R.	P-type doping in edge-enriched MoS ₂ -x nanostructures via RF-generated nitrogen plasma	2024	Nanoscale	17	4	2345	2353	10.1039/d4nr03612c	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85212545038&doi=10.1039%2Fd4nr03612c&partnerID=40&md5=a0a0637fc476691d02574d264415423
N.P., Baruah, Netra Prova; M., Goswami, Manisha; N., Sarma, Nimisha; D., Chowdhury, Devasish; A., Devi, Arundhuti	Pioneering technologies over time to rehabilitate crude oil-contaminated ecosystems: a review	2024	Environmental Science and Pollution Research	31	55	63576	63602	10.1007/s11356-024-35442-9	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85208796699&doi=10.1007%2F511356-024-35442-9&partnerID=40&md5=e7542b3bb5bb86458ae5e2fe1a148d46
A., Thapa, Adarsh; D., Bora, Dibyajyoti; S., Sarkar, Sanu; A., Saikia, Aditi; S., Kundu, Sarathi; P., Manna, Prasenjit; S., Biswas, Subir	Solar driven photocatalytic colored co-TiO ₂ Nz amorphous film prepared through air plasma treatment of sputtered titanium film	2024	Optical Materials	157				10.1016/j.optmat.2024.116149	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85205926255&doi=10.1016%2Fj.optmat.2024.116149&partnerID=40&md5=43f5f0475bfba7ea53da16a9e4f4c84b
S., Sonowal, Shashanka; A.N., Konwar, Aditya Narayan; S.N., Hazarika, Shabiha Nudrat; S., Gurumayum, Shalini; J.C., Borah, Jagat Chandra; D., Thakur, Debajit	Unveiling the biocontrol potential of Streptomyces sp. OR02 against Rhizoctonia solani in Tomato fruit	2024	Physiological and Molecular Plant Pathology	134				10.1016/j.pmpp.2024.102425	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85205316094&doi=10.1016%2Fj.pmpp.2024.102425&partnerID=40&md5=2e43941863a3746784a25d76ffc6b39e0
D., Madhubala, Dev; R., Mahata, Rosy; M.R., Khan, Mojibur Rahman; A., Bala, Asis; A.K., Mukherjee, Ashis Kumar	Neurotrophin peptidomimetics for the treatment of neurodegenerative diseases	2024	Drug Discovery Today	29	11			10.1016/j.drudis.2024.104156	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85204080295&doi=10.1016%2Fj.drudis.2024.104156&partnerID=40&md5=8e270eb18f2f9be5707abffe2fb44b2f
J., Upadhyay, Jnanendra; R., Borah, Rajiv; T.M., Das, Trishna Moyi; J.M., Das, Jitu Mani	Fabrication of flexible supercapacitor of Polypyrrole nanotubes embedded with Ruthenium oxide nanoparticles for enhanced electrochemical performance	2024	Electrochimica Acta	503				10.1016/j.electacta.2024.144858	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85201455595&doi=10.1016%2Fj.electacta.2024.144858&partnerID=40&md5=f2488deb769f6b9edf6965124565f6f
K.K., Singha, K. K.; R., Chakravarty, Rimpri; B.N., Parida, B. N.; K.J., Goswami, K. J.; N., Sen Sarma, Neelotpal; M., Gupta, Madhu; D., Kumar, Dileep; S.K., Srivastava, Sandeep Kumar	Effect of Mg/Ag co-doping on crystal structure, optical, and transport properties of SnO ₂ compound	2024	Ceramics International	50	21	42363	42376	10.1016/j.ceramint.2024.08.082	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85200852928&doi=10.1016%2Fj.ceramint.2024.08.082&partnerID=40&md5=dd9721438d1a9c350ecfbc9f4553bdf1
B., Khatun, Bably; K.J., Goswami, K. J.; N.S., Sarma, Neelotpal Sen	Single step synthesis of β -cyclodextrin-sericin based nitrogen-doped graphene oxide quantum dots for visual and optical detection of Riboflavin via Inner Filter Effect	2024	Journal of Photochemistry and Photobiology A: Chemistry	456				10.1016/j.jphotochem.2024.115795	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85195172221&doi=10.1016%2Fj.jphotochem.2024.115795&partnerID=40&md5=03b52bb7cc88244e9c25c487801182a4
S., Rahman, Sazzadur; C., Batsh, Chandramani; S., Gurumayam, Shalini; J.C., Borah, Jagat Chandra; D., Chowdhury, Devasish	Sodium alginate-nanocellulose-based active composite film for edible oils packaging applications	2024	Materials Advances	5	23	9314	9329	10.1039/d4ma00670d	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85208787522&doi=10.1039%2Fd4ma00670d&partnerID=40&md5=d1f7f3a0db7bf10d37f6381c10a3475a
M.B., Devi, M. Bidyarani; A., Bhattacharya, Anupam; A., Kumar, Arun; C.T., Singh, Chingtham Thanli; S., Das, Santanu; H.K., Sarma, Hridip Kumar; A.K., Mukherjee, Ashis Kumar; M.R., Khan, Mojibur Rahman	Potential probiotic Lactiplantibacillus plantarum strains alleviate TNF- α by regulating ADAM17 protein and ameliorate gut integrity through tight junction protein expression in vitro model	2024	Cell Communication and Signaling	22	1			10.1186/s12964-024-01900-7	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85208082078&doi=10.1186%2F512964-024-01900-7&partnerID=40&md5=70bab62dd5026878a1b14e3dd29c7bc2
G.S., Nongthombam, Geetmani Singh; S.A., Ahmed, Semim Akhtar; K., Saikia, Kangkon; S., Gogoi, Sanjib; J.C., Borah, Jagat Chandra	Breaking boundaries in diabetic nephropathy treatment: design and synthesis of novel steroidal SGLT2 inhibitors	2024	RSC Medicinal Chemistry	16	1	296	311	10.1039/d4md00645c	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85207732387&doi=10.1039%2Fd4md00645c&partnerID=40&md5=ba6f3dc8ba8219721746484760340b0
M.K., Jaiswal, Manju Kumari; S., Deka, Suvankar; T., Kalita, Tanmoy; D.J., Kalita, Dhruva Jyoti; B., Choudhury, Biswajit	The Role of W $\leftrightarrow$ N Electron Transport Channel in Potassium-Doped WO ₃ /g-C ₃ N ₄ Nanocomposites for Light-Assisted Electrocatalytic Oxygen and Hydrogen Evolution Reactions: Decoding the S-Scheme Mechanism	2024	ACS Sustainable Chemistry and Engineering	12	40	14670	14683	10.1021/acssuschemeng.4c04526	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85204536090&doi=10.1021%2Facsuschemeng.4c04526&partnerID=40&md5=6d49a6a440c1ec70657c8aa8e7f17114
S., Das, Santu; R., Pethiyagoda, Ravindra; M.H., Meylan, Michael H.	Compressible ocean waves generated by sudden seabed rise near a step-type topography	2024	Physics of Fluids	36	10			10.1063/5.0229969	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85209194628&doi=10.1063%2F5.0229969&partnerID=40&md5=0e6facfc1f6b35ec327502b877a0f0ff
R., Das, Rictika; K., Saikia, Kangkon; P.P., Sarma, Partha Pratim; R. Devi, D., Thakur, Debajit	Evaluating the Potential of Bacillus Isolates for Chlorpyrifos Degradation and Their Role in Tea Growth Promotion and Suppression of Pathogens	2024	Current Microbiology	81	10			10.1007/s00284-024-03859-7	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85202756643&doi=10.1007%2F500284-024-03859-7&partnerID=40&md5=4e54c08e867a43f33dfc8ee06e0b3f6

C., Malakar, Chandana; B., Kashyap, Bhaswati; S., Bhattacharjee, Swarnali; M., Chandra Kalita, Mohan; A.K., Mukherjee, Ashis Kumar; S., Deka, Suresh	Antibiofilm and wound healing efficacy of rhamnolipid biosurfactant against pathogenic bacterium <i>Staphylococcus aureus</i>	2024	Microbial Pathogenesis	195				10.1016/j.micpath.2024.106855	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85201483122&doi=10.1016%2Fj.micpath.2024.106855&partnerID=40&md5=cea97edd935c5d4c420ddef0ab9e3284
G.S., Nongthombam, Geetmani Singh; A., Saikia, Abhipsha; J.C., Borah, Jagat Chandra	The chronological evolution of environment benign processes in the synthesis of natural products and APIs	2024	Sustainable Chemistry and Pharmacy	41				10.1016/j.scp.2024.101725	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85201232061&doi=10.1016%2Fj.scp.2024.101725&partnerID=40&md5=da144c1847e78f37be366291bd3fe738
J., Deka, Jayanta; C.S., Kalita, Chinmay Sailendra; R.K., Sarma, Rupak Kumar; S., Thakur, Samir; R.D., Sarkar, Rajesh Dev; M.K., Debanath, Mrinal K.; N.C., Adhikary, Nirab Chandra; E., Saikia, Eeshankur	Photocatalytic and Antibacterial Activities of Alternanthera dentata Mediated Bio-nanocomposite of CuO Nanoparticles and DFT Study on the Selective Capping Behavior of Phytocompounds	2024	Journal of Electronic Materials	53	10	6508	6523	10.1007/s11664-024-11344-x	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85200683016&doi=10.1007%2Fs11664-024-11344-x&partnerID=40&md5=1fc934daed94d58ff3c389f1c6f55c08
P., Devroy, Piyali; S.K., Chatterjee, Suraj Kumar; R., Singh, Rahul; S., Mohapatra, Satyabrata; S., Haldar, Sagnik; A.K., Mukherjee, Ashis Kumar; A., Bala, Asis	Candy leaf - Stevia rebaudiana (Bertoni) Bertoni attenuated LPS-induced protein kinase C phosphorylation in mouse macrophages cells: Target search by network pharmacology and validation using ex vivo and in vivo assays	2024	Food Bioscience	61				10.1016/j.fbio.2024.104809	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85199954934&doi=10.1016%2Fj.fbio.2024.104809&partnerID=40&md5=3948094d2e50438827280766c18b31f1
R., Pethiyagoda, Ravindra; S., Das, Santu; M., Bonham, M.; M.H., Meylan, Michael H.	Atmospheric pressure-induced three-dimensional surface wave propagation in the compressible ocean: Effect of static compression	2024	Physics of Fluids	36	9			10.1063/5.0223048	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85205933073&doi=10.1063%2F5.0223048&partnerID=40&md5=50c78cd2d401816049acef26569e7535
A.N., Konwar, Aditya Narayan; S., Basak, Surajit; K., Saikia, Gangkon; S., Gurumayum, Shalini; N., Panthi, Nitya; J.C., Borah, Jagat Chandra; D., Thakur, Debajit	Antimicrobial potential of Streptomyces sp. NP73 isolated from the forest soil of Northeast India against multi-drug resistant Escherichia coli	2024	Letters in Applied Microbiology	77	9			10.1093/lambio/ovae086	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85204510681&doi=10.1093%2Flambio%2Fovae086&partnerID=40&md5=31ed9b412ea186ca32a5b1206ccabbc2
Reema; N., Kakati, Nishanta; P., Radhakrishnanand, Pullapanthula; K., Sankaranarayanan, Kamatchi	Insights on cold atmospheric plasma treatment of ethidium bromide and its binding to protein BSA	2024	Physica Scripta	99	9			10.1088/1402-4896/ad6bfa	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85201606790&doi=10.1088%2F1402-4896%2Fad6bfa&partnerID=40&md5=de2b7838cf19cb45603e73fcfb119c36
U., Puzari, Upasana; M.R., Khan, Mojibur Rohman; A.K., Mukherjee, Ashis Kumar	Development of a gold nanoparticle-based novel diagnostic prototype for in vivo detection of Indian red scorpion (Mesobuthus tamulus) venom	2024	Toxicon: X	23				10.1016/j.toxx.2024.100203	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85201510118&doi=10.1016%2Fj.toxx.2024.100203&partnerID=40&md5=dfa4c21055833bc1f830a03272d846a
J., Saikia, Juri; D., Thakur, Debajit	A review on endophytic bacteria of orchids: functional roles toward synthesis of bioactive metabolites for plant growth promotion and disease biocontrol	2024	Planta	260	3			10.1007/s00425-024-04501-3	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85201250535&doi=10.1007%2Fs00425-024-04501-3&partnerID=40&md5=5b9be70bd7c37ccb52f266a76af7b4c5
R., Das, Ritika; S., Das, Santu	Surface wave generation from a constant-slope-inducing asymmetric ocean floor motion: influence of compressible ocean	2024	Meccanica	59	9	1607	1623	10.1007/s11012-024-01863-6	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85200408627&doi=10.1007%2Fs11012-024-01863-6&partnerID=40&md5=92793ba2ff78f160183908181b794189
R., Chakraborty, Ratul; A.K., Mukherjee, Ashis Kumar; A., Bala, Asis	Breakthroughs in road mapping IL-35 mediated immunotherapy for type-1 and autoimmune diabetes mellitus	2024	Cytokine	181				10.1016/j.cyto.2024.156692	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85198038529&doi=10.1016%2Fj.cyto.2024.156692&partnerID=40&md5=d0932455e62b252f6c1d7b7ee7ff8574
A., Roy, Anushree; M.R., Khan, Mojibur Rohman; A.K., Mukherjee, Ashis Kumar	Recent advances in the application of microbial biosurfactants in food industries: Opportunities and challenges	2024	Food Control	163				10.1016/j.foodcont.2024.110465	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85189917280&doi=10.1016%2Fj.foodcont.2024.110465&partnerID=40&md5=6b8d21e770c8305afe82bd00eaddad61
E., Hussain, Elima; L.B., Mahanta, Lipi B.; K.A., Borbora, Khurshid Alam; H., Borah, Himakshi; S.S., Choudhury, Saswati Sanyal	Exploring explainable artificial intelligence techniques for evaluating cervical intraepithelial neoplasia (CIN) diagnosis using colposcopy images	2024	Expert Systems with Applications	249				10.1016/j.eswa.2024.123579	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85186719811&doi=10.1016%2Fj.eswa.2024.123579&partnerID=40&md5=73dee5da67dffe9982e78f5afd77a06f
B., Kakati, Bhargab; P., Saha, Payal; S., Alom, Sadikul; M.B., Sahariah, Munima Bora	Berry curvature induced anomalous Hall effect in Pt2MnGa	2024	Journal of Applied Physics	136	8			10.1063/5.0217996	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85202740388&doi=10.1063%2F5.0217996&partnerID=40&md5=c8eb6c9419067a54c4ca92ce768a5f02
S.A., Ahmed, Semim Akhtar; P., Manna, Prasenjit; J.C., Borah, Jagat Chandra	Stachydrine, a pyrrole alkaloid with promising therapeutic potential against metabolic syndrome and associated organ dysfunction	2024	RSC Medicinal Chemistry	15	11	3652	3673	10.1039/d4md00425f	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85204090018&doi=10.1039%2Fd4md00425f&partnerID=40&md5=5035de96a5481aab7bf4840943639122
N., Sultana, Nasrin; P.J., Medhi, Palash Jyoti; N., Sen Sarma, Neelotpal	Amino acid functionalized phosphorene: an optical sensing platform for the detection of antibiotic residues in milk and a clay based electrical CO2 sensor	2024	Journal of Materials Chemistry C	12	37	14902	14914	10.1039/d4tc02035a	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85201905599&doi=10.1039%2Fd4tc02035a&partnerID=40&md5=1eb77e71fb0aaedd69b23e8d471f7857
N., Barman, Nabajit; K.J., Goswami, K. J.; N., Sultana, Nasrin; N.S., Sarma, Neelotpal Sen	Functionalized Borophene Quantum Dots for Fluorescence Sensing of Folic Acid	2024	ACS Applied Nano Materials	7	15	17351	17363	10.1021/acsanm.4c02335	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85199413990&doi=10.1021%2Facsanm.4c02335&partnerID=40&md5=64d75dc12cb2423d584b009b184d58af
J., Borah, Inanraj; P., Pathak, Pallab; J., Bora, Jyotisman; S., Biswas, Sritam; P., Nath, Pabitra; A.R., Pal, Arup R.; B.K., Sarma, Bimal K.	High-yield conversion of lab waste to resources for the development of nanocomposite broadband photocatalysts embracing near-infrared plasmonic effects	2024	Composites Part B: Engineering	282				10.1016/j.compositesb.2024.111594	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85194486947&doi=10.1016%2Fj.compositesb.2024.111594&partnerID=40&md5=bda8b614fb437bd6f92ac1a90e69ca68
N., Gurumayum, Nonibala; P., Khound, Puspanjali; R. Devi	Musa balbisiana seed ameliorates methylglyoxal-induced oxidative stress and advanced glycation end-product formation via modulation of RAGE expression and SIRT1/PGC-1α/TFAM activation in HepG2 cells	2024	Food Bioscience	60				10.1016/j.fbio.2024.104415	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85194200339&doi=10.1016%2Fj.fbio.2024.104415&partnerID=40&md5=0a2197297c024c733bf5419497449892

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T., Mooko, Teboho; F.B., Bisiwe, Feziwe Busiswa; E., Mondleki, Enkosi; M.D., Morobadi, Molefi Daniel; P., Chikobvu, Perpetual; M.M., Nyaga, Martin M.; A., Bala, Asis; D., Goedhals, Dominique; T.R.P., Mofokeng, Thabiso Rafaki Petrus; G., Kemp, Gabré	Steady-state pharmacokinetics of lamivudine in end-stage kidney failure persons with detectable and undetectable HIV-1 RNA in peritoneal dialysis effluent	2024	European Journal of Medical Research	29	1	374		10.1186/s40001-024-01972-8	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85199126540&doi=10.1186%2F540001-024-01972-8&partnerID=40&md5=b408c91b81993bd90819f8d3509e8d1c
D., Ahn, Dante; G., Anoop, Gopinathan; J., Lee, Junyoung; Y., Goh, Youngin; W., Seal, Woojun; S., Unithrattil, Sanjith; S., Samanta, Shibnath; J., Choi, Jeoh; S., Park, Seong-min; S.Y., Lee, Su Yong	In situ grazing incidence synchrotron x-ray diffraction studies on the wakeup effect in ferroelectric Hf0.5Zr0.5O2 thin films	2024	Applied Physics Letters	125	3			10.1063/5.0207920	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85198744831&doi=10.1063%2F5.0207920&partnerID=40&md5=896bc206aa585ea7c182ab7303650f14
S., Handique, Shashanka; S., Saha, Sweta; R., Suresh, R.; L.B., Mahanta, Lipi B.	DEVELOPMENT OF AN AI-ENABLED VIDEO CAPTURING DEVICE FOR BULLET TRAJECTORY ANALYSIS AND BALLISTIC RESEARCH	2024	Journal of Engineering and Technology for Industrial Applications	10	47	104	108	10.5935/jetia.v10i47.1105	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85198636543&doi=10.5935%2Fjetia.v10i47.1105&partnerID=40&md5=c8c3536eaf6335c2ee3577c7a184c59f
T., Kashyap, Trishamani; M.K., Jaiswal, Manju Kumari; B., Choudhury, Biswajit	Weak plasmonic photocatalysis in unsupported colloidal gold nanorods	2024	Next Materials	4				10.1016/j.nxmte.2024.100213	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85204605653&doi=10.1016%2Fj.nxmte.2024.100213&partnerID=40&md5=42ab99a991999b5fe47fa6dfc5703199
S., Gayen, Srijon; S., Jana, Sandipan; B.D., Gupta, Barun Das; A., Ghosh, Avijit; A., Kar, Amit; A., Bala, Asis; P.K., Mukherjee, Pulok K.; P.K., Haldar, Pallab Kanti	Exploration of anti-diabetic activity and metabolite profiling of <i>Brugulera cylindrica</i> (L.) Bl. - in vivo anti-diabetic activity, exploration of molecular mechanism, and network pharmacological analysis	2024	Journal of Pharmacy and Pharmacology	76	7	798	812	10.1093/jpp/rgae030	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85198027401&doi=10.1093%2Fjpp%2Frgae030&partnerID=40&md5=89d729ef8bdde48585d7711f3de0cd9
S., Rahman, Seydur; N.C., Talukdar, Narayan Chandra; K.N., Patowary, Kaustuvmani N.; Y.K., Mohanta, Yugal Kishore	Propolis from the North-East region of India exhibits potent antioxidant and anticancer activity against breast cancer cells	2024	Biocatalysis and Agricultural Biotechnology	59				10.1016/j.bcab.2024.103269	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85195209125&doi=10.1016%2Fj.bcab.2024.103269&partnerID=40&md5=8ec9d0ad224b9dc4fb582b9ec976f72d
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S., Das, Santu; M.H., Meylan, Michael H.	Effect of static compression on near-field tsunami waves: Three-dimensional solution	2024	European Journal of Mechanics, B/Fluids	106		197	213	10.1016/j.euromechflu.2024.04.008	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85192211368&doi=10.1016%2Fj.euromechflu.2024.04.008&partnerID=40&md5=3089556961f71563fa5cbe19fd0d17e0
S.R., Barge, Sagar Ramrao; A., Bhattacharya, Anupam; A., Kumar, Arun; S., Das, Sushmita; T.K., Jaishy, Tulsi Kumari; A.K., Mukherjee, Ashis Kumar; M.J., Bhattacharjee, Malayjo Joyraj; M.R., Khan, Mojibur Rohman	A traditional fermented bamboo shoot reduces intracellular fat accumulation and promotes fat browning in differentiated 3T3-L1 adipocyte cells through the activation of the AMPK signaling pathway	2024	Food Frontiers	5	4	1642	1657	10.1002/fft.2.405	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85192156893&doi=10.1002%2Ffft.2.405&partnerID=40&md5=64563f6e202c0829bf51b5b8d2fed736
B., Chakraborty, Bipradip; M.M., Borgohain, Madhuriya Modhur; E., Saikia, Eeshankur; G., Trivedi, Gaurav; N.C., Adhikary, Nirab Chandra	First-Principles Study of the Electronic and Optical Properties of Sn-BeO Heterostructure	2024	Journal of Electronic Materials	53	7	3746	3755	10.1007/s11664-024-11031-x	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85190309943&doi=10.1007%2F511664-024-11031-x&partnerID=40&md5=570479fec3f9f7154961e25ed80bc284
S., Mahanta, Snigdha; N., Kumar, Nitin; G., Choudhury, Gautam	Study of a two types of general heterogeneous service queueing system in a single server with optional repeated service and feedback queue	2024	Haceteppe Journal of Mathematics and Statistics	53	3	851	878	10.15672/hujms.1312795	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85197895470&doi=10.15672%2Fhujms.1312795&partnerID=40&md5=910e906b14cd23b0abdbdddf899c2a76f
K.J., Goswami, K. J.; N., Barman, Nabajit; N.S., Sarma, Neelotpal Sen	Reduced Graphene Oxide Quantum Dots-Anchored Biopolymer Composite as Smart Sensor Platform for Fluorescent and Electrical Sensing of Rifampicin	2024	ACS Applied Electronic Materials	6	6	4030	4042	10.1021/acsaelm.3c01523	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85189243327&doi=10.1021%2Facsaelm.3c01523&partnerID=40&md5=c688a0831f4366e20c04b3f53acc9503
P., Kalita, Parismita; P.J., Boruah, Palash Jyoti; A.R., Pal, Arup R.; H., Bailung, Heremba	Harnessing plasma-generated reactive species for the synthesis of different phases of molybdenum oxide to study adsorption and photocatalytic activity	2024	Dalton Transactions	53	26	11071	11087	10.1039/d4dt01620c	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85196183600&doi=10.1039%2Fd4dt01620c&partnerID=40&md5=924dc8a68e14ae9623824c19a512d76c
M., Kalita, Manjula; L.B., Mahanta, Lipi B.; A.K., Das, Anup Kumar; M., Nath, Mananjay	A new deep learning model with interface for fine needle aspiration cytology image-based breast cancer detection	2024	Indonesian Journal of Electrical Engineering and Computer Science	34	3	1739	1752	10.11591/ijeecs.v34.i3.pp1739-1752	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85190974543&doi=10.11591%2Fijeecs.v34.i3.pp1739-1752&partnerID=40&md5=4dbc46a4e73a37fd3d95e378b2a66d6bb

S., Das, Sushmita; M.J., Bhattacharjee, Malayjo Joyraj; A.K., Mukherjee, Ashis Kumar; M.R., Khan, Mojibur Rahman	Selection of a multi-species starter culture for mustard seed fermentation to enhance polyunsaturated fatty acids and improve gastrointestinal health markers	2024	Food Bioscience	59				10.1016/j.fbio.2024.104109	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85190496952&doi=10.1016%2Fj.fbio.2024.104109&partnerID=40&md5=b02793f40aabbda695f849eae95a0e8
D., Madhubala, Dev; A., Patra, Aparup; M.R., Khan, Mojibur Rahman; A.K., Mukherjee, Ashis Kumar	Phytomedicine for neurodegenerative diseases: The road ahead	2024	Phytotherapy Research	38	6	2993	3019	10.1002/ptr.8192	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85190404687&doi=10.1002%2Fptr.8192&partnerID=40&md5=2c0194f43c5d09cc5b4bb2e0eecebe0a
P., Chakravarty, Paramita; H., Deka, Hemen; D., Chowdhury, Devasish	Green titanium dioxide (TiO2) nanoparticles assisted biodegradation of anthracene employing Serratia quinivorans HPS	2024	Journal of Basic Microbiology	64	6			10.1002/jobm.202300680	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85186415446&doi=10.1002%2Fjobm.202300680&partnerID=40&md5=3b1100233f9bf91093d72af8e627073c
H.J., Bora, Hriday Jyoti; M.P., Nath, Manash Pratim; P.J., Medhi, Palash Jyoti; P.J., Boruah, Palash Jyoti; P., Kalita, Parimita; H., Bailung, Heremba; B., Choudhury, Biswajit; N.S., Sarma, Neelotpai Sen; A., Kalita, Anamika	Unveiling the Potential of Covalent Organic Framework Electrocatlyst for Enhanced Oxygen Evolution	2024	Langmuir	40	18	9751	9760	10.1021/acs.langmuir.4c00788	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85191156844&doi=10.1021%2Facs.langmuir.4c00788&partnerID=40&md5=6b4d29b8100ff8b79c3ade33b386c5cd
P., Khound, Pusanjali; P.K., Deb, Prashanta Kr; S., Bhattacharjee, Swarnali; K.D., Medina, Karla Damián; P.P., Sarma, Partha Pratim; B., Sarkar, Biswatrish; R. Devi	Phenolic enriched fraction of Clerodendrum glandulosum Lindl. leaf extract ameliorates hyperglycemia and oxidative stress in streptozotocin-nicotinamide induced diabetic rats	2024	Journal of Ayurveda and Integrative Medicine	15	3			10.1016/j.jaim.2024.100906	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85193276013&doi=10.1016%2Fj.jaim.2024.100906&partnerID=40&md5=3d682979ac39260583eea83800f43245
M., Goswami, Manisha; B.M., Devi, Bhaswati Mahalakshmi; E., Das, Eme; S., Rabha, Suprakash; H.P., Sarma, Hari Prasad; A., Devi, Arundhuti	A promising approach for the removal of hexavalent and trivalent chromium from aqueous solution using low-cost biomaterial	2024	Environmental Monitoring and Assessment	196	5			10.1007/s10661-024-12617-y	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85190787112&doi=10.1007%2Fs10661-024-12617-y&partnerID=40&md5=b1d17ca124b9f24fc8a371833560a7bfbf
P., Bhatt, Priya; P.S., Garad, Prajakta Sharad; V.V.S.P.K., Rayala, Veera Venkata Satya Prasanna Kumari; P., Radhakrishnanand, Pullapanthula; K., Sankaranarayanan, Kamatchi	Non-thermal plasma modulated l-tyrosine self-assemblies: a potential avenue for fabrication of supramolecular self-assembled biomaterials	2024	RSC Advances	14	20	13984	13996	10.1039/d4ra01891e	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85192450029&doi=10.1039%2Fd4ra01891e&partnerID=40&md5=ec6b0a38a7f97da73c9d63e14e6ebf2e
J.M., Das, Jitu Mani; J., Upadhyay, Jnanendra; M.G., Monaghan, Michael G.; R., Borah, Rajiv	Impact of the Reduction Time-Dependent Electrical Conductivity of Graphene Nanoplatelet-Coated Aligned Bombyx mori Silk Scaffolds on Electrically Stimulated Axonal Growth	2024	ACS Applied Bio Materials	7	4	2389	2401	10.1021/acsabm.4c00052	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85188246884&doi=10.1021%2Facsabm.4c00052&partnerID=40&md5=63f21f3e310f29ffff9378fb3462430
M.P., Ghosh, Mritunjoy Prasad; N.J., Mondal, Nur Jalal; R., Sonkar, Rahul; B., Boro, Bitopan; J.P., Borah, Jyoti Prasad; D., Chowdhury, Devasish	Sm Doped Cu-Ni Spinel Ferrite Nanoparticles for Hyperthermia and Photocatalytic Applications	2024	ACS Applied Nano Materials	7	7	7028	7042	10.1021/acsanm.3c06144	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85188185389&doi=10.1021%2Facsanm.3c06144&partnerID=40&md5=f8648a9224d9654f847df5b5176476a4
P., Bhagowati, Purbajyoti; P., Saha, Payal; M.B., Sahariah, Munima Bora	A first principles study on predicting the low-energy structure and electronic properties of zirconium nitride nanoclusters	2024	AIP Conference Proceedings	3067	1			10.1063/5.0204359	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85190611478&doi=10.1063%2F5.0204359&partnerID=40&md5=b834ba58a26ab6ee2412e8f805580fe0
P., Saha, Payal; P., Bhagowati, Purbajyoti; M.B., Sahariah, Munima Bora	Effect of spin-orbit coupling on Mn1.5PtSn	2024	AIP Conference Proceedings	3067	1			10.1063/5.0204353	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85190607724&doi=10.1063%2F5.0204353&partnerID=40&md5=d03c458fd29c2dcf56083ddd580af8d
P., Khound, Pusanjali; R. Devi	Clerodendrum Glandulosum Lindl.: A Review of Ethnopharmacology, Pharmacological Potentials, and their Mechanism of Action	2024	Chemistry and Biodiversity	21	4			10.1002/cbdv.202302121	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85187134358&doi=10.1002%2Fcbdv.202302121&partnerID=40&md5=03cb9458ca086bfdbc812af0be8a716b0
B., Boro, Bitopan; J.S., Boruah, Jayanta Sarmah; C.G., Devi, Chayanika Gayathri; n., Alemtoshi; B., Gogoi, Bhagyudoy; P., Bharali, Pranjal; P.V.B., Reddy, Pichili Vijaya Bhaskar; D., Chowdhury, Devasish; P., Kalita, Pankaj	A novel route to fabricate ZnO nanoparticles using Xanthium indicum ethanolic leaf extract: Green nanosynthesis perspective towards photocatalytic and biological applications	2024	Journal of Molecular Structure	1300				10.1016/j.molstruc.2023.137227	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85179889614&doi=10.1016%2Fj.molstruc.2023.137227&partnerID=40&md5=bc023abe5311abcbcd6ca8772b3e6425
S., Deka, Suvankar; M.K., Jaiswal, Manju Kumari; P., Rajput, Parasmani; B., Choudhury, Biswajit	Mechanistic insights into electrocatalytically reduced OER performance in marigold-like trimetallic NiFe-based LDH: charge localisation and d-band orbital filling	2024	Journal of Materials Chemistry A	12	16	9532	9545	10.1039/d3ta07489g	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85188325022&doi=10.1039%2Fd3ta07489g&partnerID=40&md5=57c30862089cc3c8ca6813ed99d625b5
S., Rahman, Sazzadur; A., Konwar, Achyut; A.N., Konwar, Aditya Narayan; S., Dubey, Sonali; M.P., Ghosh, Mritunjoy Prasad; B., Boro, Bitopan; D., Thakur, Debajit; D., Chowdhury, Devasish	Ag Nanoparticle Incorporated Guar Gum-Sodium Alginate-l Carrageenan Tribiopolymer Blended Cloth Waste Lint Extracted Cellulose Nanocrystal Antimicrobial Composite Film	2024	Biomacromolecules	25	3	1491	1508	10.1021/acs.biomac.3c01076	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85186084440&doi=10.1021%2Facs.biomac.3c01076&partnerID=40&md5=2eab7c8d4ef26df8f0fd6c171cbef79c
M., Kalita, Monalisa; C., Sarma, Chandrawali; M., Kalita, Madhusmita; V., Sarmah, Violina; K., Sankaranarayanan, Kamatchi	Efficient Extraction of Sericin Protein from Mulberry and Non-Mulberry Silk Fibers: Utilizing Aqueous Ionic Liquid Solutions as Green Solvents	2024	ChemistrySelect	9	9			10.1002/slct.202304064	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85186192756&doi=10.1002%2Fslct.202304064&partnerID=40&md5=52c2be49ba11255f793830143d5c72e2
S., Suhail, Saniya; S., Das, Santu; S., Saha, Sunanda	Oblique wave trapping in a two-layer fluid: Effect of wave blocking	2024	Ocean Engineering	295				10.1016/j.oceaneng.2024.116982	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85183979824&doi=10.1016%2Fj.oceaneng.2024.116982&partnerID=40&md5=bfc08a754a9230f3b30729b8417ca2b8

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Reema; D., Basumatary, Deepiyoti; H., Bailing, Heremba; K., Sankaranarayanan, Kamatchi	Comparative Analysis of Direct Cold Atmospheric Plasma Treatment vs. Plasma Activated Water for the Deactivation of Omicron Variant of SARS-CoV-2	2024	Plasma Chemistry and Plasma Processing	44	2	1019	1030	10.1007/s11090-024-10449-9	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85183343706&doi=10.1007%2Fs11090-024-10449-9&partnerID=40&md5=3a8f7422592ff1aebdb5748b6466ec14
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A., Bala, Asis	Importance of protein kinase C (PKC) in phosphorylation of AMP-activated protein kinase (AMPK) in endocrine control	2024	Endocrine	83	3	828		10.1007/s12020-023-03576-4	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85174527166&doi=10.1007%2Fs12020-023-03576-4&partnerID=40&md5=e4f11e2b3dfd4ffb9ec25b1933d14d06
A.J., Bharati, Ashim Jyoti; R.R., Khanikar, Rakesh Ruchel; H., Bailing, Heremba; K., Sankaranarayanan, Kamatchi	Investigating the effect of atmospheric plasma on protein fibrinogen: Spectroscopic and biophysical analysis	2024	Plasma Processes and Polymers	21	3			10.1002/ppap.202300127	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85171580988&doi=10.1002%2Fppap.202300127&partnerID=40&md5=827a909cf9787cb64ee9a79de2d76a56
P., Sut, Paragiyoti; P., Gogoi, Prarthana; B., Borgohain, Binita; N.C., Adhikary, Nirab Chandra; H., Bailing, Heremba	Investigation of fireball assisted double layer produced in a DC discharge plasma	2024	Physics Letters, Section A: General, Atomic and Solid State Physics	498				10.1016/j.physleta.2024.129335	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85183864805&doi=10.1016%2Fj.physleta.2024.129335&partnerID=40&md5=fb702a4ea5ff767bdbbf75fbd5d7bbdd
S., Sau, Sanjib; S., Kundu, Sarathi	Fabrication of highly stretchable salt and solvent blended PEDOT:PSS/PVA free-standing films: non-linear to linear electrical conduction response	2024	RSC Advances	14	8	5193	5206	10.1039/d3ra08260a	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85184999651&doi=10.1039%2Fd3ra08260a&partnerID=40&md5=bc657ac62d2e1ba32039811393316d02
P., Gogoi, Prarthana; B., Chutia, Bidyut; P., Sut, Paragiyoti; Y., Bailing, Yoshiko; N.C., Adhikary, Nirab Chandra; H., Bailing, Heremba	Observation of non-planar dust acoustic solitary wave in a strongly coupled dusty plasma	2024	Physics of Plasmas	31	2			10.1063/5.0177617	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85186068244&doi=10.1063%2F5.0177617&partnerID=40&md5=e77342f43e9d743ebd3b74ff45a073f7
S., Pramanik, Subrata; A., Bala, Asis; A., Pradhan, Ajay	Zebrafish in understanding molecular pathophysiology, disease modeling, and developing effective treatments for Rett syndrome	2024	Journal of Gene Medicine	26	2			10.1002/jgm.3677	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85185447636&doi=10.1002%2Fjgm.3677&partnerID=40&md5=654c8283b46985fb2af414b772b6879c
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D., Basumatary, Devi; B., Kashyap, Bhaswati; P., Baruah, Plabita; J.C., Borah, Jagat Chandra	Prophylactic function of Garcinia morella dried fruits in preventing intestinal barrier disruption by lowering tight junction permeability and inflammation	2024	Food Bioscience	57				10.1016/j.fbio.2023.103408	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85179967123&doi=10.1016%2Fj.fbio.2023.103408&partnerID=40&md5=68cbb7605d169008574e0655d41e471f
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S.N., Hazarika, Shabiha Nudrat; K., Saikia, Kangkon; D., Thakur, Debajit	Isolation of Metagenomic DNA and Data Analysis	2024				283	293	10.1201/9781003398400-41	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85219134375&doi=10.1201%2F9781003398400-41&partnerID=40&md5=78f6632a74c224f145b968ecfe01ae7d
D., Bora, Dibyajyoti; A., Tarafder, Aritra; S., Biswas, Subir	Observation of coexistence of low and high frequency oscillations with reduced neutral density in a linear plasma device.	2024	Journal of Physics: Conference Series	2919	1			10.1088/1742-6596/2919/1/012029	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85214708825&doi=10.1088%2F1742-6596%2F2919%2F1%2F012029&partnerID=40&md5=e5082c157befd19b4012e545775be429
S., Sarkar, Sanu; S., Kundu, Sarathi	Properties of ultrathin BSA films interacted by monovalent ions	2024	Journal of Physics: Conference Series	2919	1			10.1088/1742-6596/2919/1/012040	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85214654449&doi=10.1088%2F1742-6596%2F2919%2F1%2F012040&partnerID=40&md5=2534f6db93fb34bfcd3197634fbd48d7
R.G., Bodade, Ragini G.; A., Kumar, Ajay; V.K., Sharma, Vijay K.; P., Angelini, P.	Editorial: Recent advances in biotechnological applications of microbial secondary metabolites	2024	Frontiers in Microbiology	15				10.3389/fmicb.2024.1525146	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85212701656&doi=10.3389%2Ffmicb.2024.1525146&partnerID=40&md5=8bdb8ca132d02154366ada17ea71f59b
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G., Kaushik, Gitartha; S., Mahanta, Saurav; S., Bordoloi, Sabitry	Homology Modeling and Molecular Dynamics (MD) Simulation Study of COI Gene in Gray's stone loach Balitora Brucei Gray, 1830	2024	Lecture Notes in Networks and Systems	1023		357	379	10.1007/978-981-97-3604-1_25	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85200678472&doi=10.1007%2F978-981-97-3604-1_25&partnerID=40&md5=35173d3bb31b81ca815560efed059e0a6
A., Deb, Ankita; D., Chowdhury, Devasish	Biogenic Carbon Quantum Dots: Synthesis and Applications	2024	Current Medicinal Chemistry	31	25	3899	3924	10.2174/0929867330666230608105201	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85195826399&doi=10.2174%2F0929867330666230608105201&partnerID=40&md5=20298485a86d2f24e42768d78884de3b
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A., Begum, Anjana; G., Choudhury, Gautam	Reliability Analysis of a Batch Arrival Poisson Input Queue with Two Kinds of Heterogeneous Service and a General Start-Up Time Under N-policy	2024	Industrial and Applied Mathematics	Part F2573		287	302	10.1007/978-981-99-9207-2_16	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85191728467&doi=10.1007%2F978-981-99-9207-2_16&partnerID=40&md5=8c205af225cb6f7f55dc729fe526d702
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S., Abdullah, Salik; R., Chakraborty, Ratul; P.S., Kumkar, Pratiksha Somnath; B., Debnath, Biplab; A., Bala, Asis	Molecular Pathogenesis, Organ Metastasis, and Targeted Therapy for Non-Small-Cell Lung Cancer	2024	Journal of Environmental Pathology, Toxicology and Oncology	43	3	13	38	10.1615/EnvironPatholToxicolOncol.2024051317	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85190487083&doi=10.1615%2FJEnvironPatholToxicolOncol.2024051317&partnerID=40&md5=d01f6883057474e2f3eb83b7a9ac3678
N., Sultana, Nasrin; S., Upadhyaya, Samiran; N.S., Sarma, Neelotpal Sen	Nanomaterial-Based Sensors for the Detection of Explosives	2024	Advanced Structured Materials	206		73	93	10.1007/978-981-99-7848-9_4	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85189075252&doi=10.1007%2F978-981-99-7848-9_4&partnerID=40&md5=ba48765183ca2abf5b8e15a6bfb0a576

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S., Rahman, Sazzadur; J., Gogoi, Jahnabi; S., Dubey, Sonali; D., Chowdhury, Devasish	Animal derived biopolymers for food packaging applications: A review	2024	International Journal of Biological Macromolecules	255				10.1016/j.ijbiomac.2023.128197	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85177737404&doi=10.1016%2Fj.ijbiomac.2023.128197&partnerID=40&md5=e273ef79ba8888a915094d3fb6ec1719
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A., Begum, Anjana; G., Choudhury, Gautam	Analysis of an unreliable N-policy queue with set-up period under Bernoulli schedule and re-service approach	2024	Communications in Statistics - Theory and Methods	53	1	1	33	10.1080/03610926.2022.2072515	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85130594079&doi=10.1080%2F03610926.2022.2072515&partnerID=40&md5=3d36791a611ce5c0425847dfadcd4d01
J., Sarma, Jyotirmoy; S., Rajkhowa, Sanchayita; S., Das, Sourav	Synthesis of White Silica From "Joha Rice Husk" (A Special Rice Variety of Assam, India), Characterization and Determination of Its Point of Zero Charge (pHPZC)	2024	Journal of Chemistry	2024	1			10.1155/joch/5542855	https://www.scopus.com/inward/record.uri?eid=2-s2.0-105001927400&doi=10.1155%2Fjoch%2F5542855&partnerID=40&md5=bf76a351d276e6100385ff3cd3abf1c1
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H., Kakati, Hirakjyoti; A., Patra, Aparup; A. K., Mukherjee, Ashis.	Composition, pharmacology, and pathophysiology of the venom of monocled cobra (Naja kaouthia)-a medically crucial venomous snake of southeast Asia: an updated review.	2024	Toxicon	249				10.1016/j.toxicon.2024.108056	https://www.sciencedirect.com/science/article/pii/S0041010124006287?via%3Dihub
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