

Authors	Title	Year	Source title	Volume	Issue	Art. No.	Page start	Page end	DOI	Link
A.J., Bharati, Ashim Jyoti; D., Phawa, Daphishisha; P., Daimary, Prijeet; M., Patra, Monalisa; K., Sankaranarayanan, Kamatchi	Exploring impact of cold atmospheric plasma directed self-assembly of glycated bovine serum albumin	2025	Biophysical Chemistry	327		107516			10.1016/j.bpc.2025.107516	https://www.scopus.com/inward/record.uri?eid=2-s2.0-105014113478&doi=10.1016%2Fj.bpc.2025.107516&partnerID=40&md5=eb3d922b45fb46f757dead797635fcb3
D., Deka, Dhritismita; M.P., Sarma, Manash Pratim; S., Das, Santu; M.N., Baruah, Munindra Narayan; I., Longkumer, Imliwati; G., Acharjee, Gouri; D., Chakraborty, Deepshikha; D., Dey, Debarshi; S., Chakraborty, Shristi; N.C., Talukdar, Narayan Chandra	Correlation of specific addictions with cancer sites identified among patients in Northeast India	2025	Scientific Reports	15	1	27598			10.1038/s41598-025-12939-y	https://www.scopus.com/inward/record.uri?eid=2-s2.0-105012034133&doi=10.1038%2Fs41598-025-12939-y&partnerID=40&md5=0851abe3c197aac658d68f0a48f25f4d
D., Sharma, Devabrat; S., Das, Santu; B.N., Goswami, B. N.	Correction to: Seasonal prediction of Indian summer monsoon extreme rainfall frequency (npj Climate and Atmospheric Science, (2025), 8, 1, (141), 10.1038/s41612-025-01032-w)	2025	npj Climate and Atmospheric Science	8	1	190			10.1038/s41612-025-01082-0	https://www.scopus.com/inward/record.uri?eid=2-s2.0-105005951235&doi=10.1038%2Fs41612-025-01082-0&partnerID=40&md5=181621b24fc12a31d4b76779c42c8c09
D., Sharma, Devabrat; S., Das, Santu; B.N., Goswami, B. N.	Seasonal prediction of Indian summer monsoon extreme rainfall frequency	2025	npj Climate and Atmospheric Science	8	1	141			10.1038/s41612-025-01032-w	https://www.scopus.com/inward/record.uri?eid=2-s2.0-105003090824&doi=10.1038%2Fs41612-025-01032-w&partnerID=40&md5=6be4e7d8d5a62c90860035bdc378e24d
M.J., Bhattacharjee, Maloyjo Joyraj; A., Bala, Asis; M.R., Khan, Mojibur Rohman; A.K., Mukherjee, Ashis Kumar	Functional impact of bioactive peptides derived from fermented foods on diverse human populations	2025	Food Chemistry	492		145416			10.1016/j.foodchem.2025.145416	https://www.scopus.com/inward/record.uri?eid=2-s2.0-105010296558&doi=10.1016%2Fj.foodchem.2025.145416&partnerID=40&md5=d17e8d8a551173d37ad95c7b1befab6d
A., Roy, Anushree; M.R., Khan, Mojibur Rohman; A.K., Mukherjee, Ashis Kumar	Statistical optimization of production and characterization of biosurfactant produced by Lactobacillus plantarum JBC5 strain in a ghee (clarified butter) medium: Assessment of its antimicrobial activity and stain removal property	2025	Process Biochemistry	158			129	139	10.1016/j.procbio.2025.08.015	https://www.scopus.com/inward/record.uri?eid=2-s2.0-105015037990&doi=10.1016%2Fj.procbio.2025.08.015&partnerID=40&md5=b9020b75b691d57d55910bc0b8b3d12f
T., Kashyap, Trishanku; N., Sarma, Nilpawan; S.K., Baruah, Sanjiwan Kausik; P.J., Medhi, Palash Jyoti; H., Das, Hirendra; M.R., Das, Manash R.; N.S., Sarma, Neelotpal Sen; P., Saikia, Pranjal	Reduced graphene oxide decorated with Au[sbnd]Ag nanocomposites for enhanced supercapacitor efficiency	2025	Journal of Energy Storage	134		118151			10.1016/j.est.2025.118151	https://www.scopus.com/inward/record.uri?eid=2-s2.0-105014291571&doi=10.1016%2Fj.est.2025.118151&partnerID=40&md5=0215426712860272e40a38c0a2e68d21
G., Gogoi, Gautam; S., Das, Santu	Viscoelastic ocean floor influences the surface wave dissipation: A new approach	2025	Applied Mathematical Modelling	146		116168			10.1016/j.apm.2025.116168	https://www.scopus.com/inward/record.uri?eid=2-s2.0-105004003605&doi=10.1016%2Fj.apm.2025.116168&partnerID=40&md5=04a1936258d56de372f09959afc1027e
M.K., Jaiswal, Manju Kumari; G., Neog, Gayatri; P.J., Medhi, Palash Jyoti; S., Deka, Suvankar; B., Choudhury, Biswajit	Unveiling the photocatalytic performance of potassium-doped WO3/g-C3N4 nanocomposites under broad-band and monochromatic light: The role of the S-Scheme heterostructure	2025	Surfaces and Interfaces	73		107473			10.1016/j.surfin.2025.107473	https://www.scopus.com/inward/record.uri?eid=2-s2.0-105014029416&doi=10.1016%2Fj.surfin.2025.107473&partnerID=40&md5=a5b5cca58724c416813c76e8f718dc76
R., Kumar, Rahul; V., Haripriya, V.; A., Patra, Aparup; B., Kalita, Bhargab; H., Kakati, Hirakjyoti; R., Mahato, Rosy; H.T., Lalremsanga, Hmar Tlawmte; A.K., Mukherjee, Ashis Kumar	The commercial polyvalent antivenom against the “Big Four” venomous snakes of India shows poor immune recognition and neutralization of lethality and toxicity of Trimeresurus popeiorum venom proteins in the mouse model	2025	International Journal of Biological Macromolecules	321		146362			10.1016/j.ijbiomac.2025.146362	https://www.scopus.com/inward/record.uri?eid=2-s2.0-105012139041&doi=10.1016%2Fj.ijbiomac.2025.146362&partnerID=40&md5=f22c85f67e26d7c88c3f5ce5f01a52d3
S., Nath, Susmita; R., Mahato, Rosy; H., Kakati, Hirakjyoti; A.K., Mukherjee, Ashis Kumar	Proteomic profiling and biochemical characterization of enzymatic and non-enzymatic proteins of Heterometrus bengalensis venom and their pathophysiological functions in the Swiss albino mice model	2025	International Journal of Biological Macromolecules	321		146181			10.1016/j.ijbiomac.2025.146181	https://www.scopus.com/inward/record.uri?eid=2-s2.0-105011381408&doi=10.1016%2Fj.ijbiomac.2025.146181&partnerID=40&md5=767dd372e56832c150a8190e00fa0ce1
N., Boro, Nitisha; A., Roy, Anushree; A.K., Mukherjee, Ashis Kumar	Optimization of expression and renaturation methods for the production of a recombinant fibrinolytic protease showing in vivo antithrombotic activity	2025	Protein Expression and Purification	233		106737			10.1016/j.pep.2025.106737	https://www.scopus.com/inward/record.uri?eid=2-s2.0-105005111957&doi=10.1016%2Fj.pep.2025.106737&partnerID=40&md5=517c106995012307eb745b6fc39c0883

S., Saha, Sunanda; S.N., Bora, Swaroop Nandan; S., Das, Santu	Damping of ocean waves by a porous disk submerged in a two-layer fluid	2025	European Journal of Mechanics, B/Fluids	113		204263			10.1016/j.euromechflu.2025.204263	https://www.scopus.com/inward/record.uri?eid=2-s2.0-105001863308&doi=10.1016%2Fj.euromechflu.2025.204263&partnerID=40&md5=244e18810f3e5e71652e20156dd22101
G., Phukan, Gongotree; M.P., Ghosh, Mritunjoy Prasad; D., Chowdhury, Devasish; J.P., Borah, Jyoti Prasad	Synergistic influence of anisotropy and dipolar interactions on the self-heating efficiency of magnetic nanocomposites	2025	Journal of Materials Chemistry C	13	34		17738	17749	10.1039/d5tc01636c	https://www.scopus.com/inward/record.uri?eid=2-s2.0-105014316532&doi=10.1039%2Fd5tc01636c&partnerID=40&md5=d547d08c723a85e2c1e089aead2fba9a
D., Deb, Dona; D., Kalita, Deepjyoti; M.R., Khan, Mojibur Rohman; K., Sankaranarayanan, Kamatchi	Sericin-polyethylene glycol hydrogel as an innovative excipient for progesterone delivery: formulation development, characterization, molecular docking and toxicity evaluation	2025	New Journal of Chemistry	49	31		13389	13402	10.1039/d5nj01893e	https://www.scopus.com/inward/record.uri?eid=2-s2.0-105012412428&doi=10.1039%2Fd5nj01893e&partnerID=40&md5=fe5890638d618a0e1c5d791277202259
A., Begum, Anjana; G., Choudhury, Gautam; H.J., Sarma, Hirak Jyoti; N., Kumar, Nitin	Reliability Analysis of an Unreliable N -Policy Queue Under Bernoulli Vacation Schedule with Two-Service Genres and Optional Repeated Service	2025	International Journal of Reliability, Quality and Safety Engineering	32	4	2550005			10.1142/S0218539325500056	https://www.scopus.com/inward/record.uri?eid=2-s2.0-86000775745&doi=10.1142%2FS0218539325500056&partnerID=40&md5=a55fff544d5936abdb887e65cf9c85bc
N., Sultana, Nasrin; N., Sen Sarma, Neelotpal	Phosphorene-Based Nanocomposite Nanozyme for Sensitive Colorimetric and Fluorescence Sensing Detection of Tuberculosis Drugs Rifampicin and Isoniazid	2025	ACS Applied Nano Materials	8	30		15086	15101	10.1021/acsnm.5c02266	https://www.scopus.com/inward/record.uri?eid=2-s2.0-105010748203&doi=10.1021%2Facsanm.5c02266&partnerID=40&md5=49cacf350356e21e2c2db1c844892d7f
A., Bharadwaj, Anasuya; P., Bharadwaj, Pranami; M., Gupta, Mitali; D., Thakur, Debajit; A., Devi, Arundhuti	Unraveling labile carbon and soil enzyme dynamics across seasons and sediment layers in Deepor Beel: a degraded freshwater wetland in Assam, India	2025	Environmental Monitoring and Assessment	197	8	874			10.1007/s10661-025-14330-w	https://www.scopus.com/inward/record.uri?eid=2-s2.0-105010172531&doi=10.1007%2Fs10661-025-14330-w&partnerID=40&md5=c546c8be5513bc7dddf088d10e63ab5
N., Sarma, Nimisha; S., Rabha, Suprakash; N.P., Baruah, Netra Prova; T.Y., Rahman, Taibur Y.; T., Goswami, Tejaswin; L.B., Mahanta, Lipi B.; A., Devi, Arundhuti	Combined biogenic-trimetallic nanocomposite for advanced visible-light-driven photodegradation of total petroleum hydrocarbons orchestrated by machine learning	2025	Surfaces and Interfaces	70		106835			10.1016/j.surfin.2025.106835	https://www.scopus.com/inward/record.uri?eid=2-s2.0-105007307628&doi=10.1016%2Fj.surfin.2025.106835&partnerID=40&md5=acaa997cce59592e105ac70a1c1b453
C., Yu, Chun-Ping; Z.T., Soh, Zhi Thong; M.J., Bhattacharjee, Malayjo Joyraj; W., Li, Wenhsung	Positional distribution of transcription factor binding sites in the human genome	2025	PLOS ONE	20	07 Jul	e0329226			10.1371/journal.pone.0329226	https://www.scopus.com/inward/record.uri?eid=2-s2.0-105012113587&doi=10.1371%2Fjournal.pone.0329226&partnerID=40&md5=5cc80e9eaf4ab96f6eea502c8561b5ce
R., Das, Ritika; S., Das, Santu	Far-field surface wave and pressure in a compressible ocean induced by the ocean floor's sinusoidal vertical movement	2025	Physics of Fluids	37	7	76651			10.1063/5.0278773	https://www.scopus.com/inward/record.uri?eid=2-s2.0-105011942200&doi=10.1063%2F5.0278773&partnerID=40&md5=1dd2d4476d9da97b24f5188d6780783a
E., Das, Emee; K.J., Goswami, K. J.; R., Parbin, Rumi; N., Sen Sarma, Neelotpal; A., Devi, Arundhuti	Nitrogen doped carbon dots reinforced polymer conjugates for multimode non-enzymatic sensing of chlorpyrifos insecticide	2025	Materials Today Communications	47		113282			10.1016/j.mtcomm.2025.113282	https://www.scopus.com/inward/record.uri?eid=2-s2.0-105010160699&doi=10.1016%2Fj.mtcomm.2025.113282&partnerID=40&md5=46fd255d7aeb6a5145163a1d033b4af5
P., Sut, Paragjyoti; P., Gogoi, Prarthana; S., Biswas, Subir; N.C., Adhikary, Nirab Chandra; H., Bailung, Heremba	Experimental investigation on low frequency instability in a fireball plasma sustained by a surrounding double layer	2025	Physica Scripta	100	7	75615			10.1088/1402-4896/ade643	https://www.scopus.com/inward/record.uri?eid=2-s2.0-105009842836&doi=10.1088%2F1402-4896%2Fade643&partnerID=40&md5=f94da4065a2415722325ec7a83a92fa3
D., Sarma, Dhruvanka; D., Pegu, Debamoy; U., Saikia, Ujjal; M.B., Sahariah, Munima Bora	Exploring the effect of Ti on He clustering in CuZr metallic alloy	2025	Physica Scripta	100	7	75918			10.1088/1402-4896/adddf6	https://www.scopus.com/inward/record.uri?eid=2-s2.0-105007949556&doi=10.1088%2F1402-4896%2Fadddf6&partnerID=40&md5=fa2331cc34d37df916248696b3cd98a7
T.Y., Rahman, Taibur Y.; L.B., Mahanta, Lipi B.; A.K., Das, Anup Kumar; G.N., Ahmed, Gazi Naseem	An Enhanced U-Net Model for Precise Oral Epithelial Layer Segmentation Using Patch-Based Training	2025	International Journal of Imaging Systems and Technology	35	4	e70136			10.1002/ima.70136	https://www.scopus.com/inward/record.uri?eid=2-s2.0-105007631722&doi=10.1002%2Fima.70136&partnerID=40&md5=650b8fe298b12f5b1f5204816c2e5001
P., Barman, Pranjal; A., Kalita, Anamika; P., Sarmah, Pallab; S., Bhattacharai, Sagar; S., Bordoloi, Sushanta; F., Khalid, Farrukh	Governance strategies, policy measures, and regulatory framework for hydrogen energy in India: A comprehensive review	2025	International Journal of Hydrogen Energy	140			505	518	10.1016/j.ijhydene.2025.05.373	https://www.scopus.com/inward/record.uri?eid=2-s2.0-105006486807&doi=10.1016%2Fj.ijhydene.2025.05.373&partnerID=40&md5=05bd58fa4cc4f0a7f82f5462f094dc4f
R., Sonkar, Rahul; B., Boro, Bitopan; A., Pandey, Anand; M.P., Ghosh, Mritunjoy Prasad; D., Chowdhury, Devasish	Tuning the physical properties of SnO2 quantum dots via Ag-doping for fabricating efficient photodetectors	2025	RSC Advances	15	26		20589	20604	10.1039/d5ra03972j	https://www.scopus.com/inward/record.uri?eid=2-s2.0-105009283250&doi=10.1039%2Fd5ra03972j&partnerID=40&md5=b54c67c9860fe308d9c00db1c1f23c8d

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A., Bharadwaj, Anasuya; S., Das, Santanu; M.R., Khan, Mojibur Rohman; A., Devi, Arundhuti	Microbial diversity, enzyme activity, metal contamination, and their responses to environmental drivers in an Indo-Burmese freshwater wetland	2025	Environmental Research	275		121369			10.1016/j.envres.2025.121369	https://www.scopus.com/inward/record.uri?eid=2-s2.0-86000555947&doi=10.1016%2Fj.envres.2025.121369&partnerID=40&md5=7286ed2d7d4c5111de54910c78d12c9a
P., Bhatt, Priya; K., Sankaranarayanan, Kamatchi	Insights Into Cold Atmospheric Plasma Triggered Self-Assembly of Keratin Protein	2025	Plasma Processes and Polymers	22	6	70003			10.1002/ppap.70003	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85219733573&doi=10.1002%2Fppap.70003&partnerID=40&md5=a667f8c5cebca1d58a4116c35d27580
R., Sonkar, Rahul; M.P., Ghosh, Mritunjoy Prasad; S., Thakur, Samir; E., Saikia, Eeshankur; D., Chowdhury, Devasish	Property assessment of copper-doped SnO ₂ QDs and its use as ammonia sensor	2025	Materials Chemistry and Physics	337		130578			10.1016/j.matchemphys.2025.130578	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85218873164&doi=10.1016%2Fj.matchemphys.2025.130578&partnerID=40&md5=c3f7168b24e237d16b24f3ea62cdc8bb
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I.H., Ahmed, Injamamul Haque; S., Das, Santu; M.H., Meylan, Michael H.	Time-domain acoustic-gravity wave propagation in a two-layer ocean	2025	Physics of Fluids	37	6	66613			10.1063/5.0260168	https://www.scopus.com/inward/record.uri?eid=2-s2.0-105007839875&doi=10.1063%2F5.0260168&partnerID=40&md5=e671582ef550b4f9a61de3fe0c694e56
P., Bharadwaj, Pranami; C.J., Devi, Chingakham Juliya; D., Thakur, Debajit	Unlocking Rhizosphere Dynamics: Exploring Mechanisms of Plant–Microbe Interactions for Enhanced Tea (<i>Camellia sinensis</i> (L.) O. Kuntze) Productivity	2025	Current Microbiology	82	6	257			10.1007/s00284-025-04235-9	https://www.scopus.com/inward/record.uri?eid=2-s2.0-105003155393&doi=10.1007%2Fs00284-025-04235-9&partnerID=40&md5=9a9b58c629148044d592da565effed91
Sreenikitha K; S., Das, Santanu; T., Andrighetti, Tahila; P., Sudhakar, Padhmanand	Comparative study of the gut microbiomes between Western and Indigenous cultures – Implications for health and disease	2025	Microbe (Netherlands)	7		100310			10.1016/j.microb.2025.100310	https://www.scopus.com/inward/record.uri?eid=2-s2.0-105001270930&doi=10.1016%2Fj.microb.2025.100310&partnerID=40&md5=00bdc545b98b11843240f3b404555f0b
D., Basumatary, Deepjyoti; P., Bhatt, Priya; K., Sankaranarayanan, Kamatchi	Cold Atmospheric Plasma-Driven Structural Transformation of Self-Assembled Fmoc-Trp and Fmoc-Phe into Supramolecular Aggregated Assemblies	2025	Langmuir	41	19		12052	12063	10.1021/acs.langmuir.5c00725	https://www.scopus.com/inward/record.uri?eid=2-s2.0-105004400484&doi=10.1021%2Facs.langmuir.5c00725&partnerID=40&md5=cb18ba27bbd44c351d98a88e1660851c
S., Roy, Susmita; M., Parveen, Mehnaz; A., Bala, Asis; D., Sur, Debjeet	The 3C (Cell Culture, Computer Simulation, Clinical Trial) Solution for Optimizing the 3R (Replace, Reduction, Refine) Framework during Preclinical Research Involving Laboratory Animals	2025	ACS Pharmacology and Translational Science	8	5		1188	1204	10.1021/acspstsci.4c00661	https://www.scopus.com/inward/record.uri?eid=2-s2.0-105002327614&doi=10.1021%2Facspsstsci.4c00661&partnerID=40&md5=810fc1224ca5e8935ec38a26534d311c
E., Das, Emee; S., Rabha, Suprakash; K., Talukdar, Karishma; M., Goswami, Manisha; A., Devi, Arundhuti	Correction to: Propensity of a low-cost adsorbent derived from agricultural wastes to interact with cationic dyes in aqueous solutions (Environmental Monitoring and Assessment, (2023), 195, 9, (1044), 10.1007/s10661-023-11656-1)	2025	Environmental Monitoring and Assessment	197	5	604			10.1007/s10661-025-14055-w	https://www.scopus.com/inward/record.uri?eid=2-s2.0-105003712709&doi=10.1007%2Fs10661-025-14055-w&partnerID=40&md5=e5445d1634e289cdfb9e1a2c221b1320
N., Sarma, Nimisha; M., Goswami, Manisha; S., Rabha, Suprakash; R., Patowary, Rupshikha; A., Devi, Arundhuti	Correction to: 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 (Environmental Monitoring and Assessment, (2023), 195, 7, (831), 10.1007/s10661-023-11392-6)	2025	Environmental Monitoring and Assessment	197	5	580			10.1007/s10661-025-14054-x	https://www.scopus.com/inward/record.uri?eid=2-s2.0-105003409428&doi=10.1007%2Fs10661-025-14054-x&partnerID=40&md5=6162da5a45b68d3686accd899587c3a
I., Changmai, Indranee; M., Sandilya, Mriganka; S., Deka, Suvankar; B., Choudhury, Biswajit; B.K., Sarma, Bimal K.	Exploration of piezo-/pyro-/photocatalytic properties of Ag/AZO nanocomposite and emerging scavenging actions of biomimetic hydroxyapatite	2025	Applied Surface Science	689		162412			10.1016/j.apsusc.2025.162412	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85215546151&doi=10.1016%2Fj.apsusc.2025.162412&partnerID=40&md5=54a583efccca8844c9791aef98ab3

S., Rabha, Suprakash; S., Deka, Suvankar; B., Choudhury, Biswajit; A., Devi, Arundhuti	Photofragmentation of Ciprofloxacin: An Orchestrated Trident Attack Employing Activated Carbon Nanodot-Decorated Ti-Doped WO3 Nanodices	2025	Industrial and Engineering Chemistry Research	64	17		8578	8590	10.1021/acs.iecr.5c00209	https://www.scopus.com/inward/record.uri?eid=2-s2.0-105003817645&doi=10.1021%2Facs.iecr.5c00209&partnerID=40&md5=24da4393536799f574a7f85c5451f3f7
M.P., Ghosh, Mritunjoy Prasad; R., Sonkar, Rahul; G., Phukan, Gongotree; J.P., Borah, Jyoti Prasad; D., Chowdhury, Devasish	Cobalt ion-incorporated nanocrystalline spinel cubic zinc ferrite for targeted magnetic hyperthermia and sensing applications	2025	RSC Advances	15	17		12964	12981	10.1039/d5ra01897h	https://www.scopus.com/inward/record.uri?eid=2-s2.0-105003485518&doi=10.1039%2Fd5ra01897h&partnerID=40&md5=3c02fb0cd531edb47753d2293a09893
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S., Rahman, Sazzadur; A., Konwar, Achyut; S., Gurumayam, Shalini; J.C., Borah, Jagat Chandra; D., Chowdhury, Devasish	Sodium Alginate-chitosan-starch based glue formulation for sealing biopolymer films	2025	Next Materials	7		100507			10.1016/j.nxmate.2025.100507	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85216636302&doi=10.1016%2Fj.nxmate.2025.100507&partnerID=40&md5=461ec37b4d136e952966eb6a679f0b7d
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P., Khound, Pusanjali; N., Gurumayum, Nonibala; R. Devi	Amelioration of atherosclerotic complications and dyslipidemia by verbascoside-enriched fraction of Clerodendrum glandulosum leaves targeting LDL-R and LXR-mediated reverse cholesterol transport	2025	Chinese Herbal Medicines	17	2		352	367	10.1016/j.chmed.2025.02.007	https://www.scopus.com/inward/record.uri?eid=2-s2.0-105002011300&doi=10.1016%2Fj.chmed.2025.02.007&partnerID=40&md5=508cf801d34b175693c8e3675e299492
D., Kalita, Dhriti; M.P., Ghosh, Mritunjoy Prasad; R., Sonkar, Rahul; N.J., Mondal, Nur Jalal; D., Chowdhury, Devasish	Gd-doped Ni–Zn ferrite nanoparticles: an approach to enhance photocatalytic efficiency through property tuning	2025	Applied Physics A: Materials Science and Processing	131	4	328			10.1007/s00339-025-08447-5	https://www.scopus.com/inward/record.uri?eid=2-s2.0-105001366291&doi=10.1007%2Fs00339-025-08447-5&partnerID=40&md5=bb5043443b13b1b8449b1e04e1dc3b05
P., Khound, Pusanjali; N., Gurumayum, Nonibala; S.R., Barge, Sagar Ramrao; P.P., Sarma, Partha Pratim; R. Devi	Phenylethanoid glycoside-enriched fraction of Clerodendrum glandulosum ameliorates oxidative stress and mitochondrial dysfunction via PGC1 α /TFAM upregulation	2025	3 Biotech	15	4	85			10.1007/s13205-025-04235-3	https://www.scopus.com/inward/record.uri?eid=2-s2.0-105000052194&doi=10.1007%2Fs13205-025-04235-3&partnerID=40&md5=938e1c3c768a01a2a203807e7090627d
U., Boruah, Ujjibit; B., Mohan, Bitupan; N.D., Choudhury, Nabajit Dev; D., Chowdhury, Devasish	Surface-Modified Graphitic Carbon Nitride as a Lubricant Additive in Bio-Based Oil	2025	ACS Applied Nano Materials	8	11		5430	5443	10.1021/acsanm.4c07072	https://www.scopus.com/inward/record.uri?eid=2-s2.0-105001085451&doi=10.1021%2Facsanm.4c07072&partnerID=40&md5=c3d4bafec1922cced4779c4b80e829de3
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R.K., Basumatary, R. K.; P., Kalita, Parismita; H., Bailung, Heremba; R., Brahma, Rajeeb	Facile synthesis of CeO2 nanoparticles through plasma-liquid interaction	2025	Materialia	39		102367			10.1016/j.mtla.2025.102367	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85217736368&doi=10.1016%2Fj.mtla.2025.102367&partnerID=40&md5=9b534dc6928993402118f79b74b3f076
B.L., Rajbongshi, Bhagya Lakhmi; A.K., Mukherjee, Ashis Kumar	Drugs from poisonous plants: Ethnopharmacological relevance to modern perspectives	2025	Toxicon: X	25		100215			10.1016/j.toxcx.2025.100215	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85216648001&doi=10.1016%2Fj.toxcx.2025.100215&partnerID=40&md5=6eaa74ca343bbb518159a6d5237a3a42

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Z., Khan, Zesmin; D., Chowdhury, Devasish; H., Upadhyaya, Hrishikesh	Application of the composite nanoparticles of selenium and chitosan for ameliorating arsenic stress in rice seedlings	2025	Plant Physiology and Biochemistry	220		109470			10.1016/j.plaphy.2024.109470	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85214335632&doi=10.1016%2Fj.plaphy.2024.109470&partnerID=40&md5=9722807ea56dfb0ec2ea8d2996182f31
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S.N., Hazarika, Shabiha Nudrat; U., Kakati, Utkarsha; M.J., Deka, Manash Jyoti; D., Thakur, Debajit; A., Barman, Ananya	Morphological and molecular characterization of fungi associated with tea (Camellia sinensis L. Kuntze) blister blight disease isolated from Darjeeling tea estates, India	2025	Indian Phytopathology	78	1		23	34	10.1007/s42360-025-00822-9	https://www.scopus.com/inward/record.uri?eid=2-s2.0-105001499651&doi=10.1007%2Fs42360-025-00822-9&partnerID=40&md5=741d840fcec11d79f97d9a02c86c8506
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S., Samanta, Shibnath; R., Pathak, Riya; V., Sankaranarayanan, Venkataraman; M.S.R., Rao, Mamidanna Sri Ramachandra; K., Sethupathi, Kanikrishnan	Origin of pinched hysteresis in PbZrO3-PbTiO3-PbHfO3 and its restoration to typical ferroelectric hysteresis	2025	Discover Applied Sciences	7	3	222			10.1007/s42452-025-06699-7	https://www.scopus.com/inward/record.uri?eid=2-s2.0-105000123948&doi=10.1007%2Fs42452-025-06699-7&partnerID=40&md5=6d139e13b53622e51ee243e143aa038d
B., Boro, Bitopan; R.S., Warkhedkar, Rohan Sunil; R., Sonkar, Rahul; D., Chowdhury, Devasish	Insight Into Interaction of Plasmonic Nanoparticles With Amino Acids	2025	ChemistrySelect	10	8	e202405895			10.1002/slct.202405895	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85219094861&doi=10.1002%2Fslct.202405895&partnerID=40&md5=b4747ba6f66b94b8af32ab35937dc2a7
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R., Pathak, Riya; G., Anoop, Gopinathan; S., Samanta, Shibnath	Advancements in Free-Standing Ferroelectric Films: Paving the Way for Transparent Flexible Electronics	2025	Journal of Composites Science	9	2	71			10.3390/jcs9020071	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85218684346&doi=10.3390%2Fjcs9020071&partnerID=40&md5=cfec372320ea765849871a150026be6a
R.B., Gohain, Reetesh Borpatra; S., Biswas, Subir	Impact of applied voltage, air gap, and ground arrangement on discharge power and dielectric capacitance in a volume DBD plasma	2025	Physica Scripta	100	2	25604			10.1088/1402-4896/ada3f3	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85215695766&doi=10.1088%2F1402-4896%2Fada3f3&partnerID=40&md5=e3ac284f126fcd9c6bf8e3e30b42668c
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C.J., Devi, Chingakham Juliya; K., Saikia, Kangkon; R., Mazumdar, Rajkumari; R., Das, Rictika; P., Bharadwaj, Pranami; D., Thakur, Debajit	Identification, Biocontrol and Plant Growth Promotion Potential of Endophytic Streptomyces sp. a13	2025	Current Microbiology	82	2	64			10.1007/s00284-024-04009-9	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85214037037&doi=10.1007%2Fs00284-024-04009-9&partnerID=40&md5=c641f2a7915b4d088102fdc09b0767c0
P., Saha, Payal; B., Kakati, Bhargab; S., Alom, Sadikul; M.B., Sahariah, Munima Bora	Stability of spin-spiral magnetic structures in Mn2PtSn	2025	Journal of Physics and Chemistry of Solids	197		112397			10.1016/j.jpcs.2024.112397	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85207347911&doi=10.1016%2Fj.jpcs.2024.112397&partnerID=40&md5=e5dbb46bd19457c5e119a3dfeab6bf0c
R., Zende, Ritu; A.J., Bharati, Ashim Jyoti; K., Sankaranarayanan, Kamatchi	Impact of Cold Atmospheric Plasma Treatment on Native and Glycated Collagen	2025	Plasma Processes and Polymers	22	2	2400172			10.1002/ppap.202400172	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85207265927&doi=10.1002%2Fppap.202400172&partnerID=40&md5=0421c8691af2760610a7261a9ddb4141
S., Sarkar, Sanu; S., Kundu, Sarathi	Reverse Hofmeister Effect on Bilayer Adsorption of Lysozyme	2025	AIP Conference Proceedings	3198	1	20003			10.1063/5.0248639	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85217551298&doi=10.1063%2F5.0248639&partnerID=40&md5=90cd7784687c6cf29e5412c5f8c5e21f

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S., Sau, Sanjib; S., Kundu, Sarathi	Evaluation of Mechanical and Electrical Responses of Highly Stretchable Free-standing Polymer Films	2025	AIP Conference Proceedings	3198	1	20061			10.1063/5.0248331	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85217531469&doi=10.1063%2F5.0248331&partnerID=40&md5=f327644db0ab5efef8d7d75793a0efac
M., Solra, Manju; S., Das, Sourav; S., Nayak, Suman; A., Srivastava, Abhay; R., Kapila, Rohit; S.I., Chaudhury, Smarak Islam; S., Rana, Subinoy	Multivalent Amine Functionalized Carbon Dots Catalyze Efficient Denitrosylation	2025	ChemCatChem	17	2	e202401338			10.1002/cctc.202401338	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85210084328&doi=10.1002%2Fcctc.202401338&partnerID=40&md5=da0681c25715f122ff7a012eb011f3da
M.P., Ghosh, Mritunjoy Prasad; R., Sonkar, Rahul; G., Phukan, Gongotree; J.P., Borah, Jyoti Prasad; D., Chowdhury, Devasish	Gd3+ doped CoCr2O4 nanoparticles: tuning the physical properties and optimizing the hyperthermia efficacy	2025	Nanoscale Advances	7	6		1698	1713	10.1039/d4na00685b	https://www.scopus.com/inward/record.uri?eid=2-s2.0-86000437521&doi=10.1039%2Fd4na00685b&partnerID=40&md5=613ddfe4ed27411d2fa147cb23bfa411
S., Samanta, Shibnath; G., Anoop, Gopinathan; W., Seol, Woojun; H., Joh, Hyunjin; S., Park, Seong-min; J., Jo, Jiyoung	Ferroelectricity in Y:HfO2 thin films grown on transparent FTO/glass substrates through a multi-step deposition-annealing process	2025	Journal of Alloys and Compounds	1010		178235			10.1016/j.jallcom.2024.178235	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85212827638&doi=10.1016%2Fj.jallcom.2024.178235&partnerID=40&md5=6a57d06370b314a284168c177205c249
J., Castro-Amorim, Juliana; A.V., Pinto, Alexandre V.; A.K., Mukherjee, Ashis Kumar; M.J., Râmos, Maria João; P.A., Fernandes, Pedro Alexandrino	Beyond Fang's fury: a computational study of the enzyme-membrane interaction and catalytic pathway of the snake venom phospholipase A2 toxin	2025	Chemical Science	16	4		1974	1985	10.1039/d4sc06511e	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85216242370&doi=10.1039%2Fd4sc06511e&partnerID=40&md5=b613e7a925a04b7be61ae03cf843c287
S., Das, Santu	Flexural-gravity wave dissipation under strong compression and ocean current near blocking point	2025	Waves in Random and Complex Media	35	1		1571	1595	10.1080/17455030.2022.2035847	https://www.scopus.com/inward/record.uri?eid=2-s2.0-86000381736&doi=10.1080%2F17455030.2022.2035847&partnerID=40&md5=c524cb45f6338cb03d1fb053cab6cf89
H., Nath, Himadri; S., Kundu, Sarathi	Protein (Lysozyme) Concentration-Dependent Structure, Morphology, and Hysteresis Behavior of a Three-Component (Lysozyme-DMPA-Cholesterol) Protein-Lipid Langmuir Monolayer	2025	Langmuir						10.1021/acs.langmuir.4c04000	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85217066726&doi=10.1021%2Facs.langmuir.4c04000&partnerID=40&md5=a6c04550c7847805d20dc47594fbd833
P., Talukdar, Punam; R.B., Gohain, Reetesh Borpatra; P., Bharadwaj, Pranami; D., Thakur, Debajit; S., Biswas, Subir	Inactivation of Candida albicans, Staphylococcus aureus and multidrug-resistant Escherichia coli with dielectric barrier discharged cold atmospheric plasma: a comparative study with antimicrobial drugs	2025	Journal of Medical Microbiology	74	1	1965			10.1099/jmm.0.001965	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85216727297&doi=10.1099%2Fjmm.0.001965&partnerID=40&md5=86f620398113f0b8ab9913f7e7ca5be7
P., Pathak, Pallabi; H., Bailung, Heremba	Investigation on Large-Amplitude Ion-Acoustic Shock in Negative Ion Plasma	2025	IEEE Transactions on Plasma Science	53	1		3	11	10.1109/TPS.2024.3522894	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85215695162&doi=10.1109%2FTPS.2024.3522894&partnerID=40&md5=3dcbc9db3a42d562120d19f46b4d65cb
T.Y., Rahman, Taibur Y.; L.B., Mahanta, Lipi B.; A.K., Das, Anup Kumar; G.N., Ahmed, Gazi Naseem	Investigating Hyperparameter Effects on U-Net for Oral Epithelial Layer Segmentation	2025	EAI/Springer Innovations in Communication and Computing				107	119	10.1007/978-3-031-76610-7_8	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85213312647&doi=10.1007%2F978-3-031-76610-7_8&partnerID=40&md5=81dca5a924dbee03baaa26d525182a1a
S.A., Ali, Saiyad Akhirul; A.N., Konwar, Aditya Narayan; D., Thakur, Debajit; S., Kundu, Sarathi	Metal (Ag)/metal oxide (CuO, ZnO)/polyvinyl alcohol (PVA) nanocomposite free-standing films: Physical and antimicrobial properties	2025	Surfaces and Interfaces	56		105587			10.1016/j.surfin.2024.105587	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85212227378&doi=10.1016%2Fj.surfin.2024.105587&partnerID=40&md5=80132e40906051cad40194f322b3388
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I.P., Borgohain, Iswar P.; S.A., Ali, Saiyad Akhirul; S., Kundu, Sarathi; S., Deb, Sulochana	1T phase dominant hybrid 1T/2H@MoS ₂ /PEDOT:PSS nanocomposites for potential charge transport applications	2025	Journal of Materials Science						10.1007/s10853-025-11379-3	https://www.scopus.com/inward/record.uri?eid=2-s2.0-105015577083&doi=10.1007%2Fs10853-025-11379-3&partnerID=40&md5=ec57569acde9e6197a7b8b97b207f6dc
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A., Bala, Asis	Biochemical Ferrous Ions (Fe ²⁺) Mediated Fenton Reaction: A Biological Prodigy for Curing and Developing Autoimmune Rheumatoid Arthritis and Cancer	2025	Journal of Environmental Pathology, Toxicology and Oncology	44	3		11	15	10.1615/JEnvironPatholToxicolOncol.2024053436	https://www.scopus.com/inward/record.uri?eid=2-s2.0-105014642635&doi=10.1615%2FJEnvironPatholToxicolOncol.2024053436&partnerID=40&md5=dd1c83687ad92168fe2a142400bf1d50
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T.Y., Rahman, Taibur Y.; D.R., Mahanta, Deva Raj; T., Thakuria, Tapabrat; L.B., Mahanta, Lipi B.; T., Rahman, Tashnin; A.K., Das, Anup Kumar	ADVANCEMENTS IN AI-DRIVEN SEGMENTATION AND CLASSIFICATIONS FOR ORAL EPITHELIAL DYSPLASIA IMAGES	2025	Biomedical Engineering - Applications, Basis and Communications			2530006			10.4015/S1016237225300068	https://www.scopus.com/inward/record.uri?eid=2-s2.0-105010214981&doi=10.4015%2F51016237225300068&partnerID=40&md5=b09f53018063402794f704748b5ecbd9
D., Basumatary, Devi; S.G., Devi, Shalini Gurumayum; D., Swargiary, Deepsikha; J.C., Borah, Jagat Chandra	AI-Based Drug Discovery and Design for Different Genetic Designs	2025	Methods in Molecular Biology	2952			125	148	10.1007/978-1-0716-4690-8_8	https://www.scopus.com/inward/record.uri?eid=2-s2.0-105009867811&doi=10.1007%2F978-1-0716-4690-8_8&partnerID=40&md5=bf88398dab8efb63f724a58cb1784a6e
S.A., Ahmed, Semim Akhtar; A., Saikia, Abhipsha; S.G., Devi, Shalini Gurumayum; J.C., Borah, Jagat Chandra	AI-Assisted Cell Culture System	2025	Methods in Molecular Biology	2952			149	167	10.1007/978-1-0716-4690-8_9	https://www.scopus.com/inward/record.uri?eid=2-s2.0-105009860399&doi=10.1007%2F978-1-0716-4690-8_9&partnerID=40&md5=9969b3f365343a9dd9b1a7849b226975
D., Swargiary, Deepsikha; A., Saikia, Abhipsha; D., Basumatary, Devi; J.C., Borah, Jagat Chandra	Review on Advancement of AI in Cell Engineering and Molecular Biology	2025	Methods in Molecular Biology	2952			169	192	10.1007/978-1-0716-4690-8_10	https://www.scopus.com/inward/record.uri?eid=2-s2.0-105009712694&doi=10.1007%2F978-1-0716-4690-8_10&partnerID=40&md5=d9e2cf91a3b4bbf3845ecbf5d024aa4
T., Thakuria, Tapabrat; L.B., Mahanta, Lipi B.; S.K., Khataniar, Sanjib Kumar; R.D., Goswami, Rahul Dev; N., Baruah, Nevica; T., Bharali, Trailokya	Smartphone-Based Oral Lesion Image Segmentation Using Deep Learning	2025	Journal of Imaging Informatics in Medicine						10.1007/s10278-025-01455-0	https://www.scopus.com/inward/record.uri?eid=2-s2.0-105007836716&doi=10.1007%2Fs10278-025-01455-0&partnerID=40&md5=6edfd606256dbbf663c2d0f69a158e79
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J.R., da Silva, Joana Ribeiro; J., Castro-Amorim, Juliana; A.K., Mukherjee, Ashis Kumar; M.J., Râmos, Maria João; P.A., Fernandes, Pedro Alexandrino	The application of snake venom in anticancer drug discovery: an overview of the latest developments	2025	Expert Opinion on Drug Discovery	20	3		317	335	10.1080/17460441.2025.2465364	https://www.scopus.com/inward/record.uri?eid=2-s2.0-105001921662&doi=10.1080%2F17460441.2025.2465364&partnerID=40&md5=27f772beabb05d0c162a915b7e59d416
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