

Authors	Title	Year	Source title	Volume	Issue	Page start	Page end	DOI	Link
N., Ojah, Namita; R., Borah, Rajiv; G.A., Ahmed, Gazi Ameen; M., Mandal, Manabendra; A.J., Choudhury, Arup Jyoti	Surface modification of electrospun silk/AMOX/PVA nanofibers by dielectric barrier discharge plasma: physiochemical properties, drug delivery and in-vitro biocompatibility	2020	Progress in Biomaterials	9	4	219	237	10.1007/s40204-020-00144-1	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85108561499&doi=10.1007%2Fs40204-020-00144-1&partnerID=40&md5=781283a68a505cfb7d3e8a2df3baf50b
B., Boro, Birbaishri; A.N., Dev, Apul Narayan; B.K., Saikia, Bipul Kumar; N.C., Adhikary, Nirab Chandra	Nonlinear dust ion acoustic shock wave structures in solar F corona region	2020	Physics of Plasmas	27	12			10.1063/5.0023283	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85099645178&doi=10.1063%2F5.0023283&partnerID=40&md5=1038ad72ea7fba66a7e72925b03958e5
Y., Bailung, Yoshiko; B., Chutia, Bidyut; T., Deka, Tonuj; A., Boruah, Abhijit; S.K., Sharma, Sumita K.; S., Kumar, Sandeep; J., Chutia, Joyanti; Y., Nakamura, Yoshiharu; H., Bailung, Heremba	Vortex formation in a strongly coupled dusty plasma flow past an obstacle	2020	Physics of Plasmas	27	12			10.1063/5.0022356	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85097411438&doi=10.1063%2F5.0022356&partnerID=40&md5=c6b91ab84343e0fb62912328e0190ab8
D.P., Parasar, Deep Prakash; R., Elancheran, Ramakrishnan; S., Kabilan, Senthamaraiannan; J., Kotoky, Jibon; H.K., Sarma, Hridip Kumar	Characterization of β -Cryptoxanthin and Other Carotenoid Derivatives from <i>Rhodotorula taiwanensis</i> , A Novel Yeast Isolated from Traditional Starter Culture of Assam	2020	Chemistry and Biodiversity	17	12			10.1002/cbdv.20200198	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85097001063&doi=10.1002%2Fcbdv.202000198&partnerID=40&md5=7cb47fff6fc3a10206b4aba773810fd3
R., Kandimalla, Raghuram; M., Das, Momita; S.R., Barge, Sagar Ramrao; P.P., Sarma, Partha Pratim; D.J., Koiri, Dibya Jyoti; A., Devi, Arundhuti; A.K., Karki, Arjun Kumar; A.V.S., kumar, Anil V.S.; R. Devi, B.C., Pal, Bikas Chandra	Variation in biosynthesis of an effective anticancer secondary metabolite, mahanine in <i>Murraya koenigii</i> , conditional on soil physicochemistry and weather suitability	2020	Scientific Reports	10	1			10.1038/s41598-020-77113-y	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85096178482&doi=10.1038%2Fs41598-020-77113-y&partnerID=40&md5=051607ca81981f25287834ba513e752c
R.J., Sarmah, Raktim Jyoti; B.K., Sah, Bijay Kumar; S., Kundu, Sarathi	Compact protein (bovine serum albumin/human serum albumin) layer under Langmuir-Blodgett deposition on hydrophilic Si (001) surface	2020	Thin Solid Films	715				10.1016/j.tsf.2020.138419	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85096157910&doi=10.1016%2Fj.tsf.2020.138419&partnerID=40&md5=3b1e4037ec64f520eb8138c3a28baa4a
V., Subramanian, Venkataramanan; V.V., Lunin, Vladimir V.; S.J., Farmer, Samuel J.; M., Alahuhta, Markus; K.T., Moore, Kyle T.; A., Ho, Angela; Y.B., Chaudhari, Yogesh Babasaheb; M., Zhang, Min; M.E., Himmel, Michael E.; S.R., Decker, Stephen R.	Phylogenetics-based identification and characterization of a superior 2,3-butanediol dehydrogenase for <i>Zymomonas mobilis</i> expression	2020	Biotechnology for Biofuels	13	1			10.1186/s13068-020-01820-x	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85095775166&doi=10.1186%2Fs13068-020-01820-x&partnerID=40&md5=f353fe7bf5d8767c44f24d2359a69c3a
T.Y., Rahman, Tabassum Yesmin; L.B., Mahanta, Lipi B.; H., Choudhury, Hiten; A.K., Das, Anup Kumar; J.D., Sarma, Jagannath Dev	Study of morphological and textural features for classification of oral squamous cell carcinoma by traditional machine learning techniques	2020	Cancer Reports	3	6			10.1002/cnr2.1293	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85092108220&doi=10.1002%2Fcnr2.1293&partnerID=40&md5=f533df49d0917aca65173189bfacc93c

S., Pandit, Subhankar; S., Kundu, Sarathi	pH-Dependent reversible emission behaviour of lysozyme coated fluorescent copper nanoclusters	2020	Journal of Luminescence	228				10.1016/j.jlumin.2020.117607	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85090332397&doi=10.1016%2Fj.jlumin.2020.117607&partnerID=40&md5=6e9b36286dbfcf1b29ef2ef6522ceb7
G., Gogoi, Gautomi; L., Bhattacharya, Labanya; S., Rahman, Shohidur; N.S., Sarma, Neelotpal Sen; S., Sahu, Sridhar; B.K., Rajbongshi, Basanta Kumar; S., Sharma, S.	New donor-acceptor-donor type of organic semiconductors based on the regioisomers of diketopyrrolopyrroles: A DFT study	2020	Materials Today Communications	25				10.1016/j.mtcomm.2020.101364	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85087507967&doi=10.1016%2Fj.mtcomm.2020.101364&partnerID=40&md5=1a1f2b9d6256d498e99f0485801e4dea
P.R., Sharma, Priyanka R.; D., Thakur, Debajit	Antimicrobial biosynthetic potential and diversity of culturable soil actinobacteria from forest ecosystems of Northeast India	2020	Scientific Reports	10	1			10.1038/s41598-020-60968-6	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85081389013&doi=10.1038%2F41598-020-60968-6&partnerID=40&md5=4f95ac92212513b3db17212a2e55dfc9
D., Das, Daisy; L.B., Mahanta, Lipi B.; S., Ahmed, Shabnam; B.K., Baishya, Basant Kumar	A study on MANOVA as an effective feature reduction technique in classification of childhood medulloblastoma and its subtypes	2020	Network Modeling Analysis in Health Informatics and Bioinformatics	9	1			10.1007/s13721-020-0221-5	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85081116318&doi=10.1007%2F13721-020-0221-5&partnerID=40&md5=0bf7ae8319b2d0bc14438960b58155ab
C.R., Kalita, Chandi Ram; G., Choudhury, Gautam	An repeated service queue with N-policy and setup time subject to server's breakdown and delayed repair	2020	Communications in Statistics - Theory and Methods	49	23	5709	5737	10.1080/03610926.2019.1620783	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85066806076&doi=10.1080%2F03610926.2019.1620783&partnerID=40&md5=e8d245677f6609a8a72d9aeef5238186
G., Gogoi, Gautomi; L., Bhattacharya, Labanya; S.R., Sahoo, Smruti Ranjan; S., Sahu, Sridhar; N.S., Sarma, Neelotpal Sen; S., Sharma, S.	Enhancement of air-stability, π -stacking ability, and charge transport properties of fluoroalkyl side chain engineered n-type naphthalene tetracarboxylic diimide compounds	2020	RSC Advances	11	1	57	70	10.1039/d0ra08345c	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85100395050&doi=10.1039%2Fd0ra08345c&partnerID=40&md5=91899565f15bb3163233f2bdb6212bf4
A., Goswami, Anurupa; N., Goswami, Nabajyoti; A., Bhattacharya, Anupam; P., Borah, Probodh; D., Devi, Dipali	Composition and in silico structural analysis of fibroin from liquid silk of non-mulberry silkworm <i>Antheraea assamensis</i>	2020	International Journal of Biological Macromolecules	163		1947	1958	10.1016/j.ijbiomac.2020.08.232	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85091639073&doi=10.1016%2Fj.ijbiomac.2020.08.232&partnerID=40&md5=7a09a85d76acfd1fdf369bc620bc91a3
A., Kalita, Anamika; S., Upadhyaya, Samiran; N.S., Sarma, Neelotpal Sen	Salicylic acid appended naphthalene diimide organic linkers: A systematic investigation towards electronic aspects	2020	ChemistrySelect	5	41	12672	12678	10.1002/slct.202002645	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85108309367&doi=10.1002%2Fslct.202002645&partnerID=40&md5=d3fa66487e253cd77de00fb2b79ffb20

B.K., Sah, Bijay Kumar; S., Kundu, Sarathi	Surface pressure and pH dependent structure and optical emission behaviors of protein (BSA) thin films	2020	AIP Conference Proceedings	2265				10.1063/5.0017722	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85096595195&doi=10.1063%2F5.0017722&partnerID=40&md5=2383dd289da98ee26b5fc0ae5b0a737
R.J., Sarmah, Raktim Jyoti; S., Kundu, Sarathi	Modifications of DMPA (1,2-dimyristoyl-sn-glycero-3-phosphate) Monolayer at Air-Water Interface in Presence of Cholesterol	2020	AIP Conference Proceedings	2265				10.1063/5.0017472	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85096541092&doi=10.1063%2F5.0017472&partnerID=40&md5=b6dbe4358448ddb08dae7079f2e57f73
S., Pandit, Subhankar; S., Kundu, Sarathi	Optical responses of bovine serum albumin (BSA) in presence of TiO ₂ nanoparticles	2020	AIP Conference Proceedings	2265				10.1063/5.0017401	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85096529063&doi=10.1063%2F5.0017401&partnerID=40&md5=64dc2a53715482e30bc45b3e3adcab8c
A., Barman, Ananya; A., Nath, Archana; D., Thakur, Debajit	Identification and characterization of fungi associated with blister blight lesions of tea (<i>Camellia sinensis</i> L. Kuntze) isolated from Meghalaya, India	2020	Microbiological Research	240				10.1016/j.micres.2020.126561	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85089484910&doi=10.1016%2Fj.micres.2020.126561&partnerID=40&md5=c440ddf7baf1e90663e2c672f9ef9fae
M., Goswami, Madhurankhi; S., Deka, Suresh	Isolation of a novel rhizobacteria having multiple plant growth promoting traits and antifungal activity against certain phytopathogens	2020	Microbiological Research	240				10.1016/j.micres.2020.126516	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85087200960&doi=10.1016%2Fj.micres.2020.126516&partnerID=40&md5=cf4d16b9d279861d47bf3bc5ecab4a46
J., Gogoi, Jahnabi; S., Shishodia, Shubham; D., Chowdhury, Devasish	Tunable electrical properties of carbon dot doped photo-responsive azobenzene-clay nanocomposites	2020	RSC Advances	10	61	37545	37554	10.1039/d0ra07386e	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85093853058&doi=10.1039%2Fd0ra07386e&partnerID=40&md5=5b1c45be86e5b49a1a810a0105046006
A., Singh, Ashok; S., Thakur, Samir; N.C., Adhikary, Nirab Chandra	Influence of climatic indices (AMO, PDO, and ENSO) and temperature on rainfall in the Northeast Region of India	2020	SN Applied Sciences	2	10			10.1007/s42452-020-03527-y	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85100741698&doi=10.1007%2Fs42452-020-03527-y&partnerID=40&md5=642840aa02d82ed9606c1b7d0f4ccef2
R.R., Khanikar, Rakesh Ruchel; P.J., Boruah, Palash Jyoti; H., Bailung, Heremba	Development and optical characterization of an atmospheric pressure non-thermal plasma jet for superhydrophobic surface fabrication	2020	Plasma Research Express	2	4			10.1088/2516-1067/abbe9b	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85096013414&doi=10.1088%2F2516-1067%2Fabbe9b&partnerID=40&md5=a46669ea827e161207c38a8a525c7f55

H., Deka, Himangshu; T., Barman, Tupu; P.P., Sarmah, Podma Pollov; A., Devi, Arundhuti; P., Tamuly, Pradip; R.K., Paul, Ranjit Kumar; T., Karak, Tanmoy	Quality characteristics of infusion and health consequences: a comparative study between orthodox and CTC green teas	2020	RSC Advances	10	54	32833	32842	10.1039/d0ra06254e	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85090966571&doi=10.1039%2Fd0ra06254e&partnerID=40&md5=b02dc555fcf3160585f596c18ae7ec9f
S., Sen, Suparna; S.N., Borah, Siddhartha Narayan; A., Bora, Arijit; S., Deka, Suresh	Rhamnolipid exhibits anti-biofilm activity against the dermatophytic fungi <i>Trichophyton rubrum</i> and <i>Trichophyton mentagrophytes</i>	2020	Biotechnology Reports	27				10.1016/j.btre.2020.e00516	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85089503526&doi=10.1016%2Fj.btre.2020.e00516&partnerID=40&md5=c1e4736b455922da8a540b2855af7e43
S., Kumar Soni, Suresh; K., Das, Kaushik; A., Chandra Bhowal, Ashim; R.J., Sarmah, Raktim Jyoti; P., Fontaine, Philippe; S., Kundu, Sarathi	Chloroaurate ions below organic monolayers: Competitive accumulation and gold nanocrystal growth	2020	Chemical Physics Letters	754				10.1016/j.cplett.2020.137774	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85087962673&doi=10.1016%2Fj.cplett.2020.137774&partnerID=40&md5=39366a22b01775e8565e392511c4990c
B., Basumatary, Bablu; S., Podder, Santanu; B., Sharma, Bikash; A.R., Pal, Arup R.; M.B., Sahariah, Munima Bora; N.S., Sarma, Neelotpal Sen; D.S., Patil, Dinkar S.	Single-Step Preparation of Graphene Oxide Transparent Electrode by PECVD and its Application in a Fast-Response UV-A-Selective Pyrophototronic Device	2020	Journal of Electronic Materials	49	9	5467	5477	10.1007/s11664-020-08291-8	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85087288797&doi=10.1007%2Fs11664-020-08291-8&partnerID=40&md5=208c623ba8a58bcef56762e7620c80ba
J., Gogoi, Jahnabi; D., Chowdhury, Devasish	Calcium-modified carbon dots derived from polyethylene glycol: fluorescence-based detection of Trifluralin herbicide	2020	Journal of Materials Science	55	25	11597	11608	10.1007/s10853-020-04839-5	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85085391763&doi=10.1007%2Fs10853-020-04839-5&partnerID=40&md5=c9a9880d983c17d13d4711ca9613444a
D., Sarma, Dipak; S., Goswami, Silpisikha	Effect of electromagnetic force on mhd free convective heat and mass flow over a vertical porous plate	2020	JP Journal of Heat and Mass Transfer	20	2	89	104	10.17654/HM020020089	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85090809427&doi=10.17654%2FH020020089&partnerID=40&md5=869bd63b81f0d7da409f8221f7c53b23
A.K.M.F., Mahmud, A. K.M.Firoj; D., Yang, Doo; P., Stenberg, Per; I.P., Ioshikhes, Ilya P.; S., Nandi, Soumyadeep	Exploring a <i>Drosophila</i> Transcription Factor Interaction Network to Identify Cis-Regulatory Modules	2020	Journal of Computational Biology	27	8	1313	1328	10.1089/cmb.2018.0160	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85089301180&doi=10.1089%2Fcmb.2018.0160&partnerID=40&md5=d281537006f99e86aa7a576bd339dca7
J., Dutta, Jintu; D., Thakur, Debajit	Evaluation of Antagonistic and Plant Growth Promoting Potential of <i>Streptomyces</i> sp. TT3 Isolated from Tea (<i>Camellia sinensis</i>) Rhizosphere Soil	2020	Current Microbiology	77	8	1829	1838	10.1007/s00284-020-02002-6	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85085131124&doi=10.1007%2Fs00284-020-02002-6&partnerID=40&md5=4a0567d6c6c8a0f630eb16903df2dcc8

N., Das, Navarun; E., Hussain, Elima; L.B., Mahanta, Lipi B.	Automated classification of cells into multiple classes in epithelial tissue of oral squamous cell carcinoma using transfer learning and convolutional neural network	2020	Neural Networks	128		47	60	10.1016/j.neunet.2020.05.003	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85084488973&doi=10.1016%2Fj.neunet.2020.05.003&partnerID=40&md5=bd2ed049f84517f177820866a7de6d74
E., Hussain, Elima; L.B., Mahanta, Lipi B.; C.R., Das, Chandana Ray; R.K., Talukdar, Ratna Kanta	A comprehensive study on the multi-class cervical cancer diagnostic prediction on pap smear images using a fusion-based decision from ensemble deep convolutional neural network	2020	Tissue and Cell	65				10.1016/j.tice.2020.101347	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85080083251&doi=10.1016%2Fj.tice.2020.101347&partnerID=40&md5=0e6b052d914e71366034d3893b1ddda9
K., Sharma, Khanindra; M., Pathak, Mihirjyoti; S., Kalita, Suravi; K.G., Bhattacharyya, Krishna G.; N.S., Sarma, Neelotpal Sen; A., Devi, Arundhuti	Sequential treatment of paper mill effluent with modified Fenton oxidation and bioflocculation	2020	Environment, Development and Sustainability	22	6	5425	5442	10.1007/s10668-019-00431-3	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85069742566&doi=10.1007%2Fs10668-019-00431-3&partnerID=40&md5=ccae5c5c992fe040b6395372ef926608
A., Gautam, Anupam; G., Choudhury, Gautam; S., Dharmaraja, Selvamuthu	Performance analysis of DRX mechanism using batch arrival vacation queueing system with N-policy in LTE-A networks	2020	Annales des Telecommunications /Annals of Telecommunications	75	08 Jul	353	367	10.1007/s12243-018-0659-y	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85049610235&doi=10.1007%2Fs12243-018-0659-y&partnerID=40&md5=600db7e9d6652ce252dfbf9ac3498fcd
S., Upadhyaya, Samiran; A., Konwar, Achyut; D., Chowdhury, Devasish; N.S., Sarma, Neelotpal Sen	High-performance water-borne fluorescent acrylic-based adhesive: Synthesis and application	2020	RSC Advances	10	43	25408	25417	10.1039/d0ra03782f	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85088454718&doi=10.1039%2Fd0ra03782f&partnerID=40&md5=b86c85e1b184c9da82ba6acc9c073055
T.Y., Rahman, Tabassum Yesmin; L.B., Mahanta, Lipi B.; A.K., Das, Anup Kumar; J.D., Sharma, Jagannath Dev	Towards digital diagnosis of oral cancer: A study on optimum preferences of histopathological techniques and features	2020	Medico-Legal Update	20	3	251	257		https://www.scopus.com/inward/record.uri?eid=2-s2.0-85088532943&partnerID=40&md5=545b2f24ace00c6d49184c2cf30702eb
E., Hussain, Elima; L.B., Mahanta, Lipi B.; C.R., Das, Chandana Ray; M., Choudhury, Manjula; M., Chowdhury, Manish	A shape context fully convolutional neural network for segmentation and classification of cervical nuclei in Pap smear images	2020	Artificial Intelligence in Medicine	107				10.1016/j.artmed.2020.101897	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85086079448&doi=10.1016%2Fj.artmed.2020.101897&partnerID=40&md5=57efde2e2e3895dc41097836871961a3
D., Das, Daisy; L.B., Mahanta, Lipi B.; S., Ahmed, Shabnam; B.K., Baishya, Basant Kumar	Classification of childhood medulloblastoma into WHO-defined multiple subtypes based on textural analysis	2020	Journal of Microscopy	279	1	26	38	10.1111/jmi.12893	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85084221774&doi=10.1111%2Fjmi.12893&partnerID=40&md5=24244949e8801c721d905e13768d931c

D., Chowdhury, Devasish; S., Majumdar, Sristi; D., Thakur, Debajit	Actinobacteria mediated synthesis of bio-conjugate of carbon dot with enhanced biological activity	2020	Applied Nanoscience (Switzerland)	10	7	2199	2206	10.1007/s13204-020-01392-0	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85083678225&doi=10.1007%2Fs13204-020-01392-0&partnerID=40&md5=05ab5aa8bcb16d3efea0b19ae34b9d9
J.S., Boruah, Jayanta Sarmah; D., Chowdhury, Devasish	Palmitic acid-carbon dot hybrid vesicles for absorption of uric acid	2020	Applied Nanoscience (Switzerland)	10	7	2207	2218	10.1007/s13204-020-01374-2	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85082954898&doi=10.1007%2Fs13204-020-01374-2&partnerID=40&md5=a8781b9dece25aa27fc81532e162362f
P.J., Boruah, Palash Jyoti; R.R., Khanikar, Rakesh Ruchel; H., Bailung, Heremba	Synthesis and Characterization of Oxygen Vacancy Induced Narrow Bandgap Tungsten Oxide (WO ₃ -x) Nanoparticles by Plasma Discharge in Liquid and Its Photocatalytic Activity	2020	Plasma Chemistry and Plasma Processing	40	4	1019	1036	10.1007/s11090-020-10073-3	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85082928012&doi=10.1007%2Fs11090-020-10073-3&partnerID=40&md5=66de3951d1f6f6b974fdb45f9d957357
S., Das, Santu; T., Sahoo, Trilochan; M.H., Meylan, Michael H.	An investigation of the properties of flexural-gravity wave propagation in a coupled submerged and floating plate system	2020	European Journal of Mechanics, B/Fluids	82		123	134	10.1016/j.euromechflu.2020.03.008	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85082555515&doi=10.1016%2Fj.euromechflu.2020.03.008&partnerID=40&md5=c0f74656111d75a730710b8f25fbb134
B., Boro, Birbaishri; A.N., Dev, Apul Narayan; B.K., Saikia, Bipul Kumar; N.C., Adhikary, Nirab Chandra	Nonlinear Wave Interaction with Positron Beam in a Relativistic Plasma: Evaluation of Hypersonic Dust Ion Acoustic Waves	2020	Plasma Physics Reports	46	6	641	652	10.1134/S1063780X20060021	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85087065924&doi=10.1134%2FS1063780X20060021&partnerID=40&md5=108ecc24c658c3525af6a1c31dc4ecd
D., Deb, Dibyayan; S., Das, Santanu; A., Adak, Atanu; M.R., Khan, Mojibur Rohman	Traditional rice beer depletes butyric acid-producing gut bacteria Faecalibacterium and Roseburia along with fecal butyrate levels in the ethnic groups of Northeast India	2020	3 Biotech	10	6			10.1007/s13205-020-02280-8	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85085869420&doi=10.1007%2Fs13205-020-02280-8&partnerID=40&md5=b491cb9e69cf57f6223ccdd7231de9ab
P., Choudhury, Paramita; K.N., Dutta, Krishna Nayani; A.N., Singh, Akanksha N.; D., Malakar, Dipankar; M.G., Pillai, Manoj G.; N.C., Talukdar, Narayan Chandra; S.K., Samanta, Suman Kumar; R. Devi	Assessment of nutritional value and quantitative analysis of bioactive phytochemicals through targeted LC-MS/MS method in selected scented and pigmented rice varieties	2020	Journal of Food Science	85	6	1781	1792	10.1111/1750-3841.15164	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85085557459&doi=10.1111%2F1750-3841.15164&partnerID=40&md5=c1c20182f990b01a8865edce0a764e29
E., Hussain, Elima; L.B., Mahanta, Lipi B.; H., Borah, Himakshi; C.R., Das, Chandana Ray	Liquid based-cytology Pap smear dataset for automated multi-class diagnosis of pre-cancerous and cervical cancer lesions	2020	Data in Brief	30				10.1016/j.dib.2020.105589	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85083660286&doi=10.1016%2Fj.dib.2020.105589&partnerID=40&md5=b23a3107ead8987cc71f573765b48b49

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P., Kalita, Priyanka; G., Choudhury, Gautam; S., Dharmaraja, Selvamuthu	Analysis of Single Server Queue with Modified Vacation Policy	2020	Methodology and Computing in Applied Probability	22	2	511	553	10.1007/s11009-019-09713-9	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85065521589&doi=10.1007%2Fs11009-019-09713-9&partnerID=40&md5=b1ce08f1299eb3ffea37803894bbdee7
D., Gogoi, Deepshikha; A.A., Hussain, Amreen Ara; S.K., Biswasi, Sweet K.; A.R., Pal, Arup R.	Crystalline rubrene: Via a novel process and realization of a pyro-phototronic device with a rubrene-based film	2020	Journal of Materials Chemistry C	8	19	6450	6460	10.1039/d0tc00857e	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85085953204&doi=10.1039%2Fd0tc00857e&partnerID=40&md5=b9979f7f86298f867d4ff92e2771635b
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A., Deb, Ankita; A., Konwar, Achyut; D., Chowdhury, Devasish	PH-Responsive Hybrid Jute Carbon Dot-Cotton Patch	2020	ACS Sustainable Chemistry and Engineering	8	19	7394	7402	10.1021/acssuschemeng.0c01221	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85087696822&doi=10.1021%2Facssuschemeng.0c01221&partnerID=40&md5=aadf2ecaa75c8fec94939946d2fa4698
B.K., Sah, Bijay Kumar; S., Kundu, Sarathi	Collapse of Langmuir monolayer formed by the mixture of short- and long-tailed fatty acid molecules	2020	Colloids and Interface Science Communications	36				10.1016/j.colcom.2020.100261	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85082651252&doi=10.1016%2Fj.colcom.2020.100261&partnerID=40&md5=ea6327afe3b5e4a9d50f83801e705354
P., Mehta, Priya; S., Vedachalam, Seenivasan; G., Sathyaraj, Gopal; S., Garai, Somenath; G., Arthanareeswaran, Gangasalam; K., Sankaranarayanan, Kamatchi	Fast sensing ammonia at room temperature with proline ionic liquid incorporated cellulose acetate membranes	2020	Journal of Molecular Liquids	305				10.1016/j.molliq.2020.112820	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85081002750&doi=10.1016%2Fj.molliq.2020.112820&partnerID=40&md5=fd3dd1971bb56c768f3d48a90ce2540e
K., Barman, Kailash; D., Chowdhury, Devasish; P.K., Baruah, Pranjal K.	Development of β -carotene loaded nanoemulsion using the industrial waste of orange (Citrus reticulata) peel to improve in vitro bioaccessibility of carotenoids and use as natural food colorant	2020	Journal of Food Processing and Preservation	44	5			10.1111/jfpp.14429	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85080078793&doi=10.1111%2Fjfpp.14429&partnerID=40&md5=b2d72c56fca0fd537cf1bfb7b31944fd

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B., Choudhury, Biswajit; U., Saikia, Ujjal; M.B., Sahariah, Munima Bora; A., Choudhury, Amarjyoti	Vacancy induced p-orbital ferromagnetism in MgO nanocrystallite	2020	Journal of Alloys and Compounds	819				10.1016/j.jallcom.2019.153060	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85075857504&doi=10.1016%2Fj.jallcom.2019.153060&partnerID=40&md5=32f3537deface8e3f49267975fe96bc8
P., Pulipati, Priyanjali; P., Sarkar, Priyanka; A., Jakkampudi, Aparna; V., Kaila, Vishal; S., Sarkar, Subhaleena; M., Unnisa, Misbah; D.N., Reddy, Duvvuru Nageshwar; M.R., Khan, Mojibur Rohman; R., Talukdar, Rupjyoti	The Indian gut microbiota—Is it unique?	2020	Indian Journal of Gastroenterology	39	2	133	140	10.1007/s12664-020-01037-8	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85084513055&doi=10.1007%2Fs12664-020-01037-8&partnerID=40&md5=5c81dfdb6719c8a31df4d0c52795aed0
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T.Y., Rahman, Tabassum Yesmin; L.B., Mahanta, Lipi B.; A.K., Das, Anup Kumar; J.D., Sarma, Jagannath Dev	Histopathological imaging database for oral cancer analysis	2020	Data in Brief	29				10.1016/j.dib.2020.105114	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85078095289&doi=10.1016%2Fj.dib.2020.105114&partnerID=40&md5=04f73a5559d01306c46354a132ba426d
T.Y., Rahman, Tabassum Yesmin; L.B., Mahanta, Lipi B.; A.K., Das, Anup Kumar; J.D., Sarma, Jagannath Dev	Automated oral squamous cell carcinoma identification using shape, texture and color features of whole image strips	2020	Tissue and Cell	63				10.1016/j.tice.2019.101322	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85075996886&doi=10.1016%2Fj.tice.2019.101322&partnerID=40&md5=415b13b49e5f902b9bcac8e677a2316a
A., Kumar, Arun; A., Baruah, Aiswarya; M., Tomioka, Masahiro; Y., Iino, Yuichi; M.C., Kalita, Mohan Chandra; M.R., Khan, Mojibur Rohman	Caenorhabditis elegans: a model to understand host–microbe interactions	2020	Cellular and Molecular Life Sciences	77	7	1229	1249	10.1007/s00018-019-03319-7	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85074418690&doi=10.1007%2Fs00018-019-03319-7&partnerID=40&md5=5f3fc7943e040982bdaafc56530dc20e
S., Majumdar, Sristi; D., Thakur, Debajit; D., Chowdhury, Devasish	DNA Carbon-Nanodots based Electrochemical Biosensor for Detection of Mutagenic Nitrosamines	2020	ACS Applied Bio Materials	3	3	1796	1803	10.1021/acsabm.0c00073	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85082739421&doi=10.1021%2Facsabm.0c00073&partnerID=40&md5=ab7a2eb35ff0d473385acb7b8ae2c158

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R.R., Baruah, Rashmi Rekha; M., Chandra Kalita, Mohan; D., Devi, Dipali	Novel non-mulberry silk fibroin nanoparticles with enhanced activity as potential candidate in nanocarrier mediated delivery system	2020	RSC Advances	10	15	9070	9078	10.1039/c9ra08901b	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85081178308&doi=10.1039%2Fc9ra08901b&partnerID=40&md5=5d5476d0ee680731a8088aa80d128144
G., Choudhury, Gautam; A., Goswami, Akhil; A., Begum, Anjana; H.K., Sarmah, Hemanta Kumar	Stochastic decomposition result of an unreliable queue with two types of services	2020	Mathematics and Statistics	8	2	225	232	10.13189/ms.2020.080219	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85083584888&doi=10.13189%2Fms.2020.080219&partnerID=40&md5=1a8b6bff738368c1fd49f71233545ba1
A., Borah, Atlanta; D., Thakur, Debajit	Phylogenetic and Functional Characterization of Culturable Endophytic Actinobacteria Associated With Camellia spp. for Growth Promotion in Commercial Tea Cultivars	2020	Frontiers in Microbiology	11				10.3389/fmicb.2020.00318	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85082554025&doi=10.3389%2Ffmicb.2020.00318&partnerID=40&md5=c0bb16e5d5fa22c6273d8b8d1575b233
R., Sarma, Ridip; A.N., Dev, Apul Narayan; B., Boro, Birbaishri; R.K., Das, Ranjan Kumar; N.C., Adhikary, Nirab Chandra	Three-dimensional modified Korteweg-de Vries equation in a magnetised relativistic plasma with positron beam and vortex-like electron distribution	2020	European Physical Journal D	74	2			10.1140/epjd/e2019-100422-y	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85078820331&doi=10.1140%2Fepjd%2Fe2019-100422-y&partnerID=40&md5=b12df2e767637876cbfc02615297edba
S., Thakur, Samir; S.M., Borah, Sankar Moni; A., Singh, Ashok; N.C., Adhikary, Nirab Chandra	Investigating the electronic and nonlinear optical properties of fullerene by substituting N, P, As, and Sb in the lattice structure: a DFT study	2020	Applied Physics A: Materials Science and Processing	126	2			10.1007/s00339-020-3300-7	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85078398736&doi=10.1007%2Fs00339-020-3300-7&partnerID=40&md5=a84d0e2cfd887408c1b7074224765b0
M., Goswami, Madhurankhi; S., Deka, Suresh	Plant growth-promoting rhizobacteria—alleviators of abiotic stresses in soil: A review	2020	Pedosphere	30	1	40	61	10.1016/S1002-0160(19)60839-8	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85076278487&doi=10.1016%2FS1002-0160%2819%2960839-8&partnerID=40&md5=2262bcaca8371f0c8e461d761bb3e54b
K., Barman, Kailash; D., Chowdhury, Devasish; P.K., Baruah, Pranjal K.	Bio-synthesized silver nanoparticles using Zingiber officinale rhizome extract as efficient catalyst for the degradation of environmental pollutants	2020	Inorganic and Nano-Metal Chemistry	50	2	57	65	10.1080/24701556.2019.1661468	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85073772038&doi=10.1080%2F24701556.2019.1661468&partnerID=40&md5=133ac7a89d4cb63e11f370be5b4b7996

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G., Choudhury, Gautam; L., Tadj, Lotfi	An Unreliable Batch Arrival Retrial Queueing System With Bernoulli Vacation Schedule and Linear Repeated Attempts: Unreliable Retrial System With Bernoulli Schedule	2020	International Journal of Operations Research and Information Systems	11	1	83	109	10.4018/IJORIS.2020.010104	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85168273356&doi=10.4018%2FIJORIS.2020010104&partnerID=40&md5=d24465481e5f392f63810baa447456cf
S., Kundu, Sarathi	Organic Thin Films: Langmuir Monolayers and Multilayers	2020	Materials Horizons: From Nature to Nanomaterials			345	368	10.1007/978-981-15-6116-0_11	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85144937811&doi=10.1007%2F978-981-15-6116-0_11&partnerID=40&md5=b9ab127869cee886f4a2a189ea049f0d
M., Goswami, Madhuranthi; C., Malakar, Chandana; S., Deka, Suresh	Rhizosphere Microbes for Sustainable Maintenance of Plant Health and Soil Fertility	2020	Microorganisms for Sustainability	23		35	72	10.1007/978-981-15-9154-9_2	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85114724807&doi=10.1007%2F978-981-15-9154-9_2&partnerID=40&md5=cdb9143e009a771974a39fe32f4bdb20
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K., Sharma, Khanindra; S., Kalita, Suravi; N.S., Sarma, Neelotpal Sen; A., Devi, Arundhuti	Treatment of crude oil contaminated wastewater via an electrochemical reaction	2020	RSC Advances	10	4	1925	1936	10.1039/c9ra09202a	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85078233294&doi=10.1039%2Fc9ra09202a&partnerID=40&md5=a589b680d8cebe58fc1f4b2fbeb6920
S.K., Biswasi, Sweetie K.; A.R., Pal, Arup R.	Plasmon Thin Film Transistor Using Plasma Polymerized Aniline–Rubrene–Gold Nanocomposite in One-Step Process	2020	Plasma Chemistry and Plasma Processing	40	1	371	386	10.1007/s11090-019-10030-9	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85073951847&doi=10.1007%2Fs11090-019-10030-9&partnerID=40&md5=8b2a8f27886ce39f4fd94e9330f50113
S.K., Pore, Subrata Kumar; A., Ganguly, Anirban; S., Sau, Samaresh; S., Godeshala, Sudhakar; A.K.R., Kanugula, Anantha Koteswararao R.; R., Ummanni, Ramesh; S., Kotamraju, Srigiridhar; R., Banerjee, Rajkumar	N-end rule pathway inhibitor sensitizes cancer cells to antineoplastic agents by regulating XIAP and RAD21 protein expression	2020	Journal of Cellular Biochemistry	121	1	804	815	10.1002/jcb.29326	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85070697059&doi=10.1002%2Fjcb.29326&partnerID=40&md5=b826340d3da3bc48936ada265adf56a0