

Authors	Title	Year	Source title	Volume	Page	Document Type
Mahato S., Pal S., Ghosh K.G.	Effect of lockdown amid COVID-19 pandemic on air quality of the megacity Delhi, India	2020	Science of the Total Environment	730		Article
Sarkar K., Khajanchi S., Nieto J.J.	Modeling and forecasting the COVID-19 pandemic in India	2020	Chaos, Solitons and Fractals	139		Article
Dey A., Bhattacharya R., Mukherjee A., Pandey D.K.	Natural products against Alzheimer's disease: Pharmacotherapeutics and biotechnological interventions	2017	Biotechnology Advances	35	178	Review
Di Valentino E., Mena O., Pan S., Visinelli L., Yang W., Melchiorri A., Mota D.F., Riess A.G., Silk J.	In the realm of the Hubble tension - A review of solutions	2021	Classical and Quantum Gravity	38		Review
Malakar K., Jemseena V., Kundu A., Vijay Kumar K., Sabhapandit S., Majumdar S.N., Redner S., Dhar A.	Steady state, relaxation and first-passage properties of a run-and-tumble particle in one-dimension	2018	Journal of Statistical Mechanics: Theory and Experiment	2018		Article
Yang W., Mukherjee A., Di Valentino E., Pan S.	Interacting dark energy with time varying equation of state and the H ₀ tension	2018	Physical Review D	98		Article
Pan S., Yang W., Di Valentino E., Saridakis E.N., Chakraborty S.	Interacting scenarios with dynamical dark energy: Observational constraints and alleviation of the H ₀ tension	2019	Physical Review D	100		Article
Mandal S.K., Dutta K., Pal S., Mandal S., Naskar A., Pal P.K., Bhattacharya T.S., Singha A., Saikh R., De S., Jana D.	Engineering of ZnO/rGO nanocomposite photocatalyst towards rapid degradation of toxic dyes	2019	Materials Chemistry and Physics	223	456	Article
Samui P., Mondal J., Khajanchi S.	A mathematical model for COVID-19 transmission dynamics with a case study of India	2020	Chaos, Solitons and Fractals	140		Article
Yang W., Pan S., Di Valentino E., Saridakis E.N., Chakraborty S.	Observational constraints on one-parameter dynamical dark-energy parametrizations and the H ₀ tension	2019	Physical Review D	99		Article
Khajanchi S., Perc M., Ghosh D.	The influence of time delay in a chaotic cancer model	2018	Chaos	28		Article
Sharov G.S., Bhattacharya S., Pan S., Nunes R.C., Chakraborty S.	A new interacting two-fluid model and its consequences	2017	Monthly Notices of the Royal Astronomical Society	466	3497	Article
Khajanchi S., Sarkar K.	Forecasting the daily and cumulative number of cases for the COVID-19 pandemic in India	2020	Chaos	30		Article
Maji S., Ghosh A., Gupta K., Ghosh A., Ghorai U., Santra A., Sasikumar P., Ghosh U.C.	Efficiency evaluation of arsenic(III) adsorption of novel graphene oxide@iron-aluminium oxide composite for the contaminated water purification	2018	Separation and Purification Technology	197	388	Article

Sengupta P., Sardar P.S., Roy P., Dasgupta S., Bose A.	Investigation on the interaction of Rutin with serum albumins: Insights from spectroscopic and molecular docking techniques	2018	Journal of Photochemistry and Photobiology B: Biology	183	101	Article
Pan S., Yang W., Singha C., Saridakis E.N.	Observational constraints on sign-changeable interaction models and alleviation of the H0 tension	2019	Physical Review D	100		Article
Hoshino Y., Poshibaeva A., Meredith W., Snape C., Poshibaev V., Versteegh G.J.M., Kuznetsov N., Leider A., Van Maldegem L., Neumann M., Naeher S., Moczydłowska M., Brocks J.J., Jarrett A.J.M., Tang Q., Xiao S., McKirdy D., Das S.K., Alvaro J.J., Sansjofre P., Hallmann C.	Cryogenian evolution of stigmasteroid biosynthesis	2017	Science Advances	3		Article
Naskar P., Maiti A., Chakraborty P., Kundu D., Biswas B., Banerjee A.	Chemical supercapacitors: a review focusing on metallic compounds and conducting polymers	2021	Journal of Materials Chemistry A	9	1970	Review
Yang W., Vagnozzi S., Valentino E.D., Nunes R.C., Pan S., Mota D.F.	Listening to the sound of dark sector interactions with gravitational wave standard sirens	2019	Journal of Cosmology and Astroparticle Physics	2019		Article

Di Valentino E., Anchordoqui L.A., Akarsu Ö., Ali-Haimoud Y., Amendola L., Arendse N., Asgari M., Ballardini M., Basilakos S., Battistelli E., Benetti M., Birrer S., Bouchet F.R., Bruni M., Calabrese E., Camarena D., Capozziello S., Chen A., Chluba J., Chudaykin A., Colgáin E.Ó., Cyr-Racine F.-Y., de Bernardis P., de Cruz Pérez J., Delabrouille J., Dunkley J., Escamilla-Rivera C., Ferté A., Finelli F., Freedman W., Frusciante N., Giusarma E., Gómez-Valent A., Guy J., Handley W., Harrison I., Hart L., Heavens A., Hildebrandt H., Holz D., Huterer D., Ivanov M.M., Joudaki S., Kamionkowski M., Karwal T., Knox L., Kumar S., Lamagna L., Lesgourgues J., Lucca M., Marra V., Masi S., Matarrese S., Mazumdar A., Melchiorri A., Mena	Snowmass2021 - Letter of interest cosmology intertwined II: The hubble constant tension	2021	Astroparticle Physics	131		Article
Yang W., Mena O., Pan S., Di Valentino E.	Dark sectors with dynamical coupling	2019	Physical Review D	100		Article
Sahana M., Patel P.P.	A comparison of frequency ratio and fuzzy logic models for flood susceptibility assessment of the lower Kosi River Basin in India	2019	Environmental Earth Sciences	78		Article
O'Sullivan E., Ponman T.J., Kolokythas K., Raychaudhury S., Babul A., Vrtilek J.M., David L.P., Giacintucci S., Gitti M., Haines C.P.	The cOmplete Local Volume Groups Sample - I. Sample selection and X-ray properties of the high-richness subsample	2017	Monthly Notices of the Royal Astronomical Society	472	1482	Article
Chatterjee S., Khan A., Dinda A., Mithun S., Khatun R., Akbari H., Kusaka H., Mitra C., Bhatti S.S., Doan Q.V., Wang Y.	Simulating micro-scale thermal interactions in different building environments for mitigating urban heat islands	2019	Science of the Total Environment	663	610	Article
Khajanchi S., Nieto J.J.	Mathematical modeling of tumor-immune competitive system, considering the role of time delay	2019	Applied Mathematics and Computation	340	180	Article
Dasgupta S., Bose S., Bhowmik S.K., Sengupta P.	The Eastern Ghats Belt, India, in the context of supercontinent assembly	2017	Geological Society Special Publication	457	87	Article

Fuentes N., Roy A., Mishra V., Cabello N., Silveyra P.	Sex-specific microRNA expression networks in an acute mouse model of ozone-induced lung inflammation	2018	Biology of Sex Differences	9		Article
Mukherjee S.	Videogames and postcolonialism: Empire plays back	2017	Videogames and Postcolonialism: Empire Plays Back	1		Book
Patel P.P., Mondal S., Ghosh K.G.	Some respite for India's dirtiest river? Examining the Yamuna's water quality at Delhi during the COVID-19 lockdown period	2020	Science of the Total Environment	744		Article
Pan S., Yang W., Paliathanasis A.	Non-linear interacting cosmological models after Planck 2018 legacy release and the H0 tension	2020	Monthly Notices of the Royal Astronomical Society	493	3114	Review
Nunes R.C., Pan S., Saridakis E.N.	New observational constraints on f (T) gravity through gravitational-wave astronomy	2018	Physical Review D	98		Article
Ghosh T., Ghosh R., Basak U., Majumdar S., Ball R., Mandal D., Nandi A.K., Chatterjee D.P.	Candle soot derived carbon nanodot/polyaniline hybrid materials through controlled grafting of polyaniline chains for supercapacitors	2018	Journal of Materials Chemistry A	6	6476	Article
Anand U., Nandy S., Mundhra A., Das N., Pandey D.K., Dey A.	A review on antimicrobial botanicals, phytochemicals and natural resistance modifying agents from Apocynaceae family: Possible therapeutic approaches against multidrug resistance in pathogenic microorganisms	2020	Drug Resistance Updates	51		Review
Yang W., Banerjee N., Paliathanasis A., Pan S.	Reconstructing the dark matter and dark energy interaction scenarios from observations	2019	Physics of the Dark Universe	26		Article

Di Valentino E., Anchordoqui L.A., Akarsu Ö., Ali-Haimoud Y., Amendola L., Arendse N., Asgari M., Ballardini M., Basilakos S., Battistelli E., Benetti M., Birrer S., Bouchet F.R., Bruni M., Calabrese E., Camarena D., Capozziello S., Chen A., Chluba J., Chudaykin A., Colgáin E.Ó., Cyr-Racine F.-Y., de Bernardis P., de Cruz Pérez J., Delabrouille J., Dunkley J., Escamilla-Rivera C., Ferté A., Finelli F., Freedman W., Frusciante N., Giusarma E., Gómez-Valent A., Handley W., Harrison I., Hart L., Heavens A., Hildebrandt H., Holz D., Huterer D., Ivanov M.M., Joudaki S., Kamionkowski M., Karwal T., Knox L., Kumar S., Lamagna L., Lesgourgues J., Lucca M., Marra V., Masi S., Matarrese S., Mazumdar A., Melchiorri A., Mena	Cosmology intertwined III: fσ8 and S8	2021	Astroparticle Physics	131		Article
Mahato S., Ghosh K.G.	Short-term exposure to ambient air quality of the most polluted Indian cities due to lockdown amid SARS-CoV-2	2020	Environmental Research	188		Article
Das D.K., Khajanchi S., Kar T.K.	The impact of the media awareness and optimal strategy on the prevalence of tuberculosis	2020	Applied Mathematics and Computation	366		Article
Saha A., Robertson E.S.	Mechanisms of B-cell oncogenesis induced by Epstein-Barr virus	2019	Journal of Virology	93		Article
Khajanchi S., Bera S., Roy T.K.	Mathematical analysis of the global dynamics of a HTLV-I infection model, considering the role of cytotoxic T-lymphocytes	2021	Mathematics and Computers in Simulation	180	354	Article
Yang W., Pan S., Nunes R.C., Mota D.F.	Dark calling dark: interaction in the dark sector in presence of neutrino properties after Planck CMB final release	2020	Journal of Cosmology and Astroparticle Physics	2020		Article
Ghosh R., Vermeesch P., Gain D., Mondal R.	Genetic relationship among komatiites and associated basalts in the Badampahar greenstone belt (3.25–3.10 Ga), Singhbhum Craton, Eastern India	2019	Precambrian Research	327	196	Article
Mukherjee S.	Playing Subaltern: Video Games and Postcolonialism	2018	Games and Culture	13	504	Article

Maity S., Chatterjee A., Guchhait R., De S., Pramanick K.	Cytogenotoxic potential of a hazardous material, polystyrene microparticles on Allium cepa L.	2020	Journal of Hazardous Materials	385		Article
Pal S., Majumder S., Dutta S., Banerjee S., Satpati B., De S.	Magnetic field induced electrochemical performance enhancement in reduced graphene oxide anchored Fe ₃ O ₄ nanoparticle hybrid based supercapacitor	2018	Journal of Physics D: Applied Physics	51		Article
Sarkar K., Khajanchi S.	Impact of fear effect on the growth of prey in a predator-prey interaction model	2020	Ecological Complexity	42		Article
Haro J., Yang W., Pan S.	Reheating in quintessential inflation via gravitational production of heavy massive particles: A detailed analysis	2019	Journal of Cosmology and Astroparticle Physics	2019		Article
Maity S., Pramanick K.	Perspectives and challenges of micro/nanoplastics-induced toxicity with special reference to phytotoxicity	2020	Global Change Biology	26	3241	Review
Yang W., Di Valentino E., Mena O., Pan S., Nunes R.C.	All-inclusive interacting dark sector cosmologies	2020	Physical Review D	101		Article
Paliathanasis A., Pan S., Yang W.	Dynamics of nonlinear interacting dark energy models	2019	International Journal of Modern Physics D	28		Article
Roy R., Gammal A., Tsatsos M.C., Chatterjee B., Chakrabarti B., Lode A.U.J.	Phases, many-body entropy measures, and coherence of interacting bosons in optical lattices	2018	Physical Review A	97		Article
Pan S., Sharov G.S., Yang W.	Field theoretic interpretations of interacting dark energy scenarios and recent observations	2020	Physical Review D	101		Article
Ghosh K.G.	Spatial and temporal appraisal of drought jeopardy over the Gangetic West Bengal, eastern India	2019	Geoenvironmental Disasters	6		Article
Adhikary J., Chakraborty S., Dalal S., Basu S., Dey A., Ghosh A.	Circular PVT1: An oncogenic non-coding RNA with emerging clinical importance	2019	Journal of Clinical Pathology	72	513	Review
Bhattacharya S., Chakraborty S.	f(R) gravity solutions for evolving wormholes	2017	European Physical Journal C	77		Article
Chatterjee D.P., Nandi A.K.	A review on the recent advances in hybrid supercapacitors	2021	Journal of Materials Chemistry A	9	15880	Review
Biswas D., Nandy S., Mukherjee A., Pandey D.K., Dey A.	Moringa oleifera Lam. and derived phytochemicals as promising antiviral agents: A review	2020	South African Journal of Botany	129	272	Article

Yang W., Pan S., Vagnozzi S., Valentino E.D., Mota D.F., Capozziello S.	Dawn of the dark: Unified dark sectors and the EDGES Cosmic Dawn 21-cm signal	2019	Journal of Cosmology and Astroparticle Physics	2019		Article
Bhattacharjee S., Bose P., Patel K., Roy S.G., Gain C., Gowda H., Robertson E.S., Saha A.	Transcriptional and epigenetic modulation of autophagy promotes EBV oncogene EBNA3C induced B-cell survival article	2018	Cell Death and Disease	9		Article
Mukhopadhyay K., Ghosh A., Das S.K., Show B., Sasikumar P., Chand Ghosh U.	Synthesis and characterisation of cerium(IV)-incorporated hydrous iron(III) oxide as an adsorbent for fluoride removal from water	2017	RSC Advances	7	26037	Article
Paliathanasis A., Leon G., Pan S.	Exact solutions in Chiral cosmology	2019	General Relativity and Gravitation	51		Article
Mondal R., Bharadwaj S., Datta K.K.	Towards simulating and quantifying the light-cone EoR 21-cm signal	2018	Monthly Notices of the Royal Astronomical Society	474	1390	Article
Chatterjee K., Majumder S., Wan Y., Shah V., Wu J., Huang H.-Y., Hopper A.K.	Sharing the load: Mex67–Mtr2 cofunctions with Los1 in primary tRNA nuclear export	2017	Genes and Development	31	2186	Article
Das T., Anand U., Pandey S.K., Ashby C.R., Jr, Assaraf Y.G., Chen Z.-S., Dey A.	Therapeutic strategies to overcome taxane resistance in cancer	2021	Drug Resistance Updates	55		Article
Yang W., Pan S., Di Valentino E., Paliathanasis A., Lu J.	Challenging bulk viscous unified scenarios with cosmological observations	2019	Physical Review D	100		Article
Dutta S., Pal S., De S.	Hydrothermally synthesized BiVO ₄ -reduced graphene oxide nanocomposite as a high performance supercapacitor electrode with excellent cycle stability	2018	New Journal of Chemistry	42	10161	Article
Stuyver T., Huang J., Mallick D., Danovich D., Shaik S.	TITAN: A Code for Modeling and Generating Electric Fields—Features and Applications to Enzymatic Reactivity	2020	Journal of Computational Chemistry	41	74	Article
Khajanchi S.	Stability analysis of a mathematical model for glioma-immune interaction under optimal therapy	2019	International Journal of Nonlinear Sciences and Numerical Simulation	20	269	Article
Sahana M., Hong H., Ahmed R., Patel P.P., Bhakat P., Sajjad H.	Assessing coastal island vulnerability in the Sundarban Biosphere Reserve, India, using geospatial technology	2019	Environmental Earth Sciences	78		Article

Chakraborti T.M., Ray A., Deb G.K., Upadhyay D., Chakrabarti R.	Evidence of crustal reworking in the Mesoarchean: Insights from geochemical, U-Pb zircon and Nd isotopic study of a 3.08–3.12 Ga ferro-potassic granite-gneiss from north-eastern margin of Singhbhum Craton, India	2019	Lithos	330-331	16	Article
Samui S., Subramanian K., Srianand R.	Efficient cold outflows driven by cosmic rays in high-redshift galaxies and their global effects on the IGM	2018	Monthly Notices of the Royal Astronomical Society	476	1680	Article
Trotman J.B., Giltmier A.J., Mukherjee C., Schoenberg D.R.	RNA guanine-7 methyltransferase catalyzes the methylation of cytoplasmically recapped RNAs	2017	Nucleic Acids Research	45	10726	Article
Das S., Routh P., Ghosh R., Chatterjee D.P., Nandi A.K.	Water-soluble ionic polythiophenes for biological and analytical applications	2017	Polymer International	66	623	Review
Ghara R., Roy Choudhury T., Datta K.K., Choudhuri S.	Imaging the redshifted 21 cm pattern around the first sources during the cosmic dawn using the SKA	2017	Monthly Notices of the Royal Astronomical Society	464	2234	Article
Salehi B., Quispe C., Chamkhi I., El Omari N., Balahbib A., Sharifi-Rad J., Bouyahya A., Akram M., Iqbal M., Docea A.O., Caruntu C., Leyva-Gómez G., Dey A., Martorell M., Calina D., López V., Les F.	Pharmacological Properties of Chalcones: A Review of Preclinical Including Molecular Mechanisms and Clinical Evidence	2021	Frontiers in Pharmacology	11		Review
Kaur P., Gupta R.C., Dey A., Malik T., Pandey D.K.	Optimization of salicylic acid and chitosan treatment for bitter secoiridoid and xanthone glycosides production in shoot cultures of <i>Swertia paniculata</i> using response surface methodology and artificial neural network	2020	BMC Plant Biology	20		Article
Hazra T., Spicer R.A., Hazra M., Mahato S., Spicer T.E.V., Bera S., Valdes P.J., Farnsworth A., Hughes A.C., Jian Y., Khan M.A.	Latest Neogene monsoon of the Chotanagpur Plateau, eastern India, as revealed by fossil leaf architectural signatures	2020	Palaeogeography, Palaeoclimatology, Palaeoecology	545		Article
Yang W., Pan S., Paliathanasis A., Ghosh S., Wu Y.	Observational constraints of a new unified dark fluid and the H0 tension	2019	Monthly Notices of the Royal Astronomical Society	490	2071	Article

Kaur P., Gupta R.C., Dey A., Kumar Pandey D.	Simultaneous quantification of oleanolic acid, ursolic acid, betulinic acid and lupeol in different populations of five <i>Swertia</i> species by using HPTLC-densitometry: Comparison of different extraction methods and solvent selection	2019	Industrial Crops and Products	130	537	Article
Bose S., Dasgupta S.	Eastern Ghats Belt, Grenvillian-Age Tectonics and the Evolution of the Greater Indian Landmass: A Critical Perspective	2018	Journal of the Indian Institute of Science	98	345	Review
Das S., Ghosh S., Das B.	Formation of Mixed Micelle in an Aqueous Mixture of a Surface Active Ionic Liquid and a Conventional Surfactant: Experiment and Modeling	2018	Journal of Chemical and Engineering Data	63	3784	Article
Haque I., Patel P.P.	Growth of metro cities in India: trends, patterns and determinants	2018	Urban Research and Practice	11	338	Article
Manna A.C., Kim S., Cengher L., Corvaglia A., Leo S., Francois P., Cheung A.L.	Small RNA teg49 is derived from a sarA transcript and regulates virulence genes independent of SarA in <i>Staphylococcus aureus</i>	2018	Infection and Immunity	86		Article
Dutta S., De S.	MoS2 Nanosheet/rGO Hybrid: An Electrode Material for High Performance Thin Film Supercapacitor	2018	Materials Today: Proceedings	5	9771	Conference Paper
Khajanchi S., Sarkar K., Mondal J., Nisar K.S., Abdelwahab S.F.	Mathematical modeling of the COVID-19 pandemic with intervention strategies	2021	Results in Physics	25		Article
Nandy S., Mukherjee A., Pandey D.K., Ray P., Dey A.	Indian Sarsaparilla (<i>Hemidesmus indicus</i>): Recent progress in research on ethnobotany, phytochemistry and pharmacology	2020	Journal of Ethnopharmacology	254		Review
Manna S., Raychaudhuri B.	Mapping distribution of Sundarban mangroves using Sentinel-2 data and new spectral metric for detecting their health condition	2020	Geocarto International	35	434	Article
Rajak A., Dana I., Dalla Torre E.G.	Characterizations of prethermal states in periodically driven many-body systems with unbounded chaotic diffusion	2019	Physical Review B	100		Article
Gayen R.N., Chakrabarti T.	Effect of series and shunt resistance on the photovoltaic properties of solution-processed zinc oxide nanowire based CZTS solar cell in superstrate configuration	2019	Materials Science in Semiconductor Processing	100	1	Article
O'Sullivan E., Combes F., Salomé P., David L.P., Babul A., Vrtilek J.M., Lim J., Olivares V., Raychaudhury S., Schellenberger G.	Cold gas in a complete sample of group-dominant early-type galaxies	2018	Astronomy and Astrophysics	618		Article

Dutta S., Biswas P., Chakraborty S., Mitra D., Pal A., Das M.	Identification, characterization and gene expression analyses of important flowering genes related to photoperiodic pathway in bamboo	2018	BMC Genomics	19		Article
Ganguly P., Bose S., Das K., Torimoto J., Ghosh G.	Origin of spinel + quartz assemblage in a si-undersaturated ultrahigh-temperature aluminous granulite and its implication for the P-T-fluid history of the phulbani domain, Eastern Ghats Belt, India	2017	Journal of Petrology	58	1941	Article
Das K., Bose S., Ghosh G.	The Neoarchean-Paleoproterozoic basin development and growth of the Singhbum Craton, eastern India and its global implications: Insights from detrital zircon U-Pb data	2017	Precambrian Research	298	123	Article
Bera A., Mukhopadhyay B.P., Barua S.	Delineation of groundwater potential zones in Karha river basin, Maharashtra, India, using AHP and geospatial techniques	2020	Arabian Journal of Geosciences	13		Article
Das D.K., Khajanchi S., Kar T.K.	Transmission dynamics of tuberculosis with multiple re-infections	2020	Chaos, Solitons and Fractals	130		Article
Roy A., Pramanick K.	Analysing progress of sustainable development goal 6 in India: Past, present, and future	2019	Journal of Environmental Management	232	1049	Article
Dutta S., Dutta Chowdhury A., Biswas S., Park E.Y., Agnihotri N., De A., De S.	Development of an effective electrochemical platform for highly sensitive DNA detection using MoS2 - polyaniline nanocomposites	2018	Biochemical Engineering Journal	140	130	Article
Qin X., Hannezo E., Mangeat T., Liu C., Majumder P., Liu J., Choesmel-Cadamuro V., McDonald J.A., Liu Y., Yi B., Wang X.	A biochemical network controlling basal myosin oscillation	2018	Nature Communications	9		Article
Sengupta P., Ganguly A., Bose A.	A phenolic acid based colourimetric ‘naked-eye’ chemosensor for the rapid detection of Cu(II) ions	2018	Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy	198	204	Article
Mondal S., Patel P.P.	Examining the utility of river restoration approaches for flood mitigation and channel stability enhancement: a recent review	2018	Environmental Earth Sciences	77		Article
Chaudhuri T., Satish-Kumar M., Mazumder R., Biswas S.	Geochemistry and Sm-Nd isotopic characteristics of the Paleoarchean Komatiites from Singhbum Craton, Eastern India and their implications	2017	Precambrian Research	298	385	Article

Mishra A., Saha S., Roy P.K., Kapitaniak T., Dana S.K.	Multicluster oscillation death and chimeralike states in globally coupled Josephson junctions	2017	Chaos	27		Article
Chatterjee A., Das K., Bose S., Ganguly P., Hidaka H.	Zircon U-Pb SHRIMP and monazite EPMA U-Th-total Pb geochronology of granulites of the western boundary, Eastern Ghats Belt, India: A new possibility for Neoproterozoic exhumation history	2017	Geological Society Special Publication	457	105	Article
Yang W., Di Valentino E., Pan S., Wu Y., Lu J.	Dynamical dark energy after Planck CMB final release and H0tension	2021	Monthly Notices of the Royal Astronomical Society	501	5845	Article
Dabhade P., Mahato M., Bagchi J., Saikia D.J., Combes F., Sankhyayan S., Röttgering H.J.A., Ho L.C., Gaikwad M., Raychaudhury S., Vaidya B., Guiderdoni B.	Search and analysis of giant radio galaxies with associated nuclei (SAGAN): I. New sample and multi-wavelength studies	2020	Astronomy and Astrophysics	642		Article
Malakar K., Das A., Kundu A., Kumar K.V., Dhar A.	Steady state of an active Brownian particle in a two-dimensional harmonic trap	2020	Physical Review E	101		Article
Kaur P., Kumar Pandey D., Gupta R.C., Dey A.	Simultaneous microwave assisted extraction and HPTLC quantification of mangiferin, amarogentin, and swertiamarin in Swertia species from Western Himalayas	2019	Industrial Crops and Products	132	449	Article
Halder S., Bhattacharya S., Chakraborty S.	Wormhole solutions in Rastall gravity theory	2019	Modern Physics Letters A	34		Article
Dutta S., Pal S., De S.	Mixed solvent exfoliated transition metal oxides nanosheets based flexible solid state supercapacitor devices endowed with high energy density	2019	New Journal of Chemistry	43	12385	Article
Ghara R., Mellem G., Giri S.K., Choudhury T.R., Datta K.K., Majumdar S.	Prediction of the 21-cm signal from reionization: Comparison between 3D and 1D radiative transfer schemes	2018	Monthly Notices of the Royal Astronomical Society	476	1741	Article
Sanyal J.	Predicting possible effects of dams on downstream river bed changes of a Himalayan river with morphodynamic modelling	2017	Quaternary International	453	48	Article
Mishra A., Saha S., Hens C., Roy P.K., Bose M., Louodop P., Cerdeira H.A., Dana S.K.	Coherent libration to coherent rotational dynamics via chimeralike states and clustering in a Josephson junction array	2017	Physical Review E	95		Article
Dey A., Mukherjee A., Chaudhury M.	Alkaloids From Apocynaceae: Origin, Pharmacotherapeutic Properties, and Structure-Activity Studies	2017	Studies in Natural Products Chemistry	52	373	Book Chapter

El-Saber Batiha G., Hussein D.E., Algammal A.M., George T.T., Jeandet P., Al-Snafi A.E., Tiwari A., Pagnossa J.P., Lima C.M., Thorat N.D., Zahoor M., El-Esawi M., Dey A., Alghamdi S., Hetta H.F., Cruz-Martins N.	Application of natural antimicrobials in food preservation: Recent views	2021	Food Control	126		Review
Yang W., Di Valentino E., Mena O., Pan S.	Dynamical dark sectors and neutrino masses and abundances	2020	Physical Review D	102		Article
Pan S., Yang W., Di Valentino E., Shafieloo A., Chakraborty S.	Reconciling H0tension in a six parameter space?	2020	Journal of Cosmology and Astroparticle Physics	2020		Article
Stuyver T., Ramanan R., Mallick D., Shaik S.	Oriented (Local) Electric Fields Drive the Millionfold Enhancement of the H-Abstraction Catalysis Observed for Synthetic Metalloenzyme Analogues	2020	Angewandte Chemie - International Edition	59	7915	Article
Haro J., Amorós J., Pan S.	The Peebles–Vilenkin quintessential inflation model revisited	2019	European Physical Journal C	79		Article
Khajanchi S., Banerjee S.	A STRATEGY of OPTIMAL EFFICACY of T11 TARGET STRUCTURE in the TREATMENT of BRAIN TUMOR	2019	Journal of Biological Systems	27	225	Article
Mukherjee T., Chowdhury S., Jana D., Voon L.C.L.Y.	Strain induced electronic and magnetic properties of 2D magnet CrI3: A DFT approach	2019	Journal of Physics Condensed Matter	31		Article
Kundu A., Das S., Basu S., Kobayashi Y., Kobayashi Y., Koyama H., Ganesan M.	GhSTOP1, a C2H2 type zinc finger transcription factor is essential for aluminum and proton stress tolerance and lateral root initiation in cotton	2019	Plant Biology	21	35	Article
Mondal S., Dutta K., Dutta S., Jana D., Kelly A.G., De S.	Efficient Flexible White-Light Photodetectors Based on BiFeO3 Nanoparticles	2018	ACS Applied Nano Materials	1	625	Article
Yang W., Di Valentino E., Pan S., Mena O.	Emergent Dark Energy, neutrinos and cosmological tensions	2021	Physics of the Dark Universe	31		Article
Yang W., Di Valentino E., Pan S., Basilakos S., Paliathanasis A.	Metastable dark energy models in light of Planck 2018 data: Alleviating the H0 tension	2020	Physical Review D	102		Article
Halder A., Ghosh A., Dasgupta T.S.	Machine-learning-assisted prediction of magnetic double perovskites	2019	Physical Review Materials	3		Article

Banerjee A., Ziv B., Shilina Y., Ziegelbauer J.M., Liu H., Harris K.J., Botton G., Goward G.R., Luski S., Aurbach D., Halalay I.C.	Review-multifunctional separators: A promising approach for improving the durability and performance of Li-ion batteries	2019	Journal of the Electrochemical Society	166	A5369	Article
Chakraborty T., Mukherjee S., Dasgupta S., Biswas B., Das D.	Anion-mediated bio-relevant catalytic activity of dinuclear nickel(ii) complexes derived from an end-off compartmental ligand	2019	Dalton Transactions	48	2772	Article
Ganguly P., Das K., Bose S., Ghosh G., Hayasaka Y., Hidaka H.	U-Pb zircon and U-Th-total Pb monazite ages from the Phulbani domain of the Eastern Ghats Belt, India: Time constraints on high-grade metamorphism and magmatism in the lower crust	2018	Precambrian Research	316	1	Article
Khanra A., Gayen R.N.	Distribution of relaxation time in solution-processed polycrystalline CZTS thin films: Study of impedance spectroscopy	2018	Ceramics International	44	14095	Article
De R., Lee H., Das B.	Exploring the interactions in binary mixtures of polyelectrolytes: Influence of mixture composition, concentration, and temperature on counterion condensation	2018	Journal of Molecular Liquids	251	94	Article
Gayen R.N., Paul R.	Phosphorous doping in vertically aligned ZnO nanorods grown by wet-chemical method	2018	Nano-Structures and Nano-Objects	13	163	Article
Chatterjee A., Das K., Bose S., Hidaka H.	Age-integrated tectonic evolution across the orogen-craton boundary: Age zonation and shallow- to deep crustal participation during Late Cambrian cratonisation of Eastern Ghats Belts, India	2017	Lithos	290-291	269	Article
Sriraman T., Chakrabarti B., Trombettoni A., Muruganandam P.	Characteristic features of the Shannon information entropy of dipolar Bose-Einstein condensates	2017	Journal of Chemical Physics	147		Article
Saha J., Giri K.	Molecular phylogenomic study and the role of exogenous spermidine in the metabolic adjustment of endogenous polyamine in two rice cultivars under salt stress	2017	Gene	609	88	Article
Paul S., Sepay N., Sarkar S., Roy P., Dasgupta S., Saha Sardar P., Majhi A.	Interaction of serum albumins with fluorescent ligand 4-azido coumarin: Spectroscopic analysis and molecular docking studies	2017	New Journal of Chemistry	41	15392	Article
Ganesan M., Lee H.-Y., Kim J.-I., Song P.-S.	Development of transgenic crops based on photobiotechnology	2017	Plant Cell and Environment	40	2469	Review

Di Valentino E., Melchiorri A., Mena O., Pan S., Yang W.	Interacting dark energy in a closed universe	2021	Monthly Notices of the Royal Astronomical Society: Letters	502	L23	Article
Ghosh K., Das S.	Recent advances in ring-opening of donor acceptor cyclopropanes using C-nucleophiles	2021	Organic and Biomolecular Chemistry	19	965	Review
Giacomini A., Leon G., Paliathanasis A., Pan S.	Cosmological evolution of two-scalar fields cosmology in the Jordan frame	2020	European Physical Journal C	80		Article
Khajanchi S.	Chaotic dynamics of a delayed tumor-immune interaction model	2020	International Journal of Biomathematics	13		Article
Dutta K., Mukherjee R., Sen D., Sahu S.	Effect of COVID-19 lockdown on sleep behavior and screen exposure time: an observational study among Indian school children	2020	Biological Rhythm Research			Article
Du M., Yang W., Xu L., Pan S., Mota D.F.	Future constraints on dynamical dark-energy using gravitational-wave standard sirens	2019	Physical Review D	100		Article
De K., Grubb T.M., Zalenski A.A., Pfaff K.E., Pal D., Majumder S., Summers M.K., Venere M.	Hyperphosphorylation of CDH1 in glioblastoma cancer stem cells attenuates APC/CCDH1 activity and pharmacologic inhibition of APC/CCDH1/CDC20 compromises viability	2019	Molecular Cancer Research	17	1519	Article
Weber M.E., Lantzs H., Dekens P., Das S.K., Reilly B.T., Martos Y.M., Meyer-Jacob C., Agrahari S., Ekblad A., Titschack J., Holmes B., Wolfgramm P.	200,000 years of monsoonal history recorded on the lower Bengal Fan - strong response to insolation forcing	2018	Global and Planetary Change	166	107	Article
Mishra M., Chatterjee S.	Application of Analytical Hierarchy Process (AHP) algorithm to income insecurity susceptibility mapping – A study in the district of Purulia, India	2018	Socio-Economic Planning Sciences	62	56	Article
Haque I., Das D.N., Patel P.P.	Spatial Segregation in Indian Cities: Does the City Size Matter?	2018	Environment and Urbanization ASIA	9	52	Article
Lonappan A.I., Kumar S., Ruchika, DInda B.R., Sen A.A.	Bayesian evidences for dark energy models in light of current observational data	2018	Physical Review D	97		Article
Bose S., Seth P., Dasgupta N.	Meso-Neoproterozoic mid-crustal metamorphic record from the Ajmer-Shrinagar section, Rajasthan, India and its implication to the assembly of the Greater Indian Landmass during the Grenvillian-age orogenesis	2017	Geological Society Special Publication	457	291	Article

Lee Y.S., Park H.-S., Lee D.-K., Jayakodi M., Kim N.-H., Lee S.-C., Kundu A., Lee D.-Y., Kim Y.C., Gyo In J., Kwon S.W., Yang T.-J.	Comparative analysis of the transcriptomes and primary metabolite profiles of adventitious roots of five panax ginseng cultivars	2017	Journal of Ginseng Research	41	60	Article
Manchanda R., Sun L., Patel S., Evans O., Wilschut J., Lopes A.C.D.F., Gaba F., Brentnall A., Duffy S., Cui B., De Soarez P.C., Husain Z., Hopper J., Sadique Z., Mukhopadhyay A., Yang L., Berkhof J., Legood R.	Economic evaluation of population-based brca1/brca2 mutation testing across multiple countries and health systems	2020	Cancers	12	1	Article
Pan S., De Haro J., Yang W., Amorós J.	Understanding the phenomenology of interacting dark energy scenarios and their theoretical bounds	2020	Physical Review D	101		Article
Haque I., Rana M.J., Patel P.P.	Location matters: Unravelling the spatial dimensions of neighbourhood level housing quality in Kolkata, India	2020	Habitat International	99		Article
Li Y., Li L., Marchesoni F., Debnath D., Ghosh P.K.	Diffusion of chiral janus particles in convection rolls	2020	Physical Review Research	2		Article
Ayaz S., Dhali M.K.	Longitudinal profiles and geomorphic indices analysis on tectonic evidence of fluvial form, process and landform deformation of Eastern Himalayan Rivers, India	2020	Geology, Ecology, and Landscapes	4	11	Article
Banerjee S., Mitra D.	Structural Basis of Design and Engineering for Advanced Plant Optogenetics	2020	Trends in Plant Science	25	35	Review
Chakraborty A., Roy N., Datta A., Choudhuri S., Datta K.K., Dutta P., Bharadwaj S., Intema H., Choudhury M., Pal S., Choudhury T.R.	Detailed study of ELAIS N1 field with the uGMRT – II. Source properties and spectral variation of foreground power spectrum from 300–500 MHz observations	2019	Monthly Notices of the Royal Astronomical Society	490	243	Article
Dey A., Hazra A.K., Nongdam P., Nandy S., Tikendra L., Mukherjee A., Banerjee S., Mukherjee S., Pandey D.K.	Enhanced bacoside content in polyamine treated in-vitro raised Bacopa monnieri (L.) Wettst	2019	South African Journal of Botany	123	259	Article
Mukherjee S., Pradhan A., Mukherjee S., Maitra T., Sengupta S., Satpati B., Chakrabarti S., Nayak A., Bhunia S.	Tuning of near infrared excitonic emission from InAs quantum dots by controlling the sub-monolayer coverage	2019	Journal of Luminescence	210	311	Article
Pan S., Barrow J.D., Paliathanasis A.	Two-fluid solutions of particle-creation cosmologies	2019	European Physical Journal C	79		Article

Misra S., Varma A.K., Das S.K., Mani D., Biswas S.	Thermal controls of lamprophyre sill on hydrocarbon generation outlook of shale beds in Raniganj basin, India	2018	Journal of Natural Gas Science and Engineering	56	536	Article
Mitra D., Banerji S.	Urbanisation and changing waterscapes: A case study of New Town, Kolkata, West Bengal, India	2018	Applied Geography	97	109	Article
Chatterjee R., Roychowdhury A., Chandra S., Sinha A.	Possible Accretion Disk Origin of the Emission Variability of a Blazar Jet	2018	Astrophysical Journal Letters	859		Article
Ayaz S., Biswas M., Dhali M.K.	Morphotectonic analysis of alluvial fan dynamics: comparative study in spatio-temporal scale of Himalayan foothill, India	2018	Arabian Journal of Geosciences	11		Article
Dutta S., Das N., Mukherjee P.	Picking up a Fight: Fine Tuning Mitochondrial Innate Immune Defenses Against RNA Viruses	2020	Frontiers in Microbiology	11		Review
Yang W., Pan S., Di Valentino E., Wang B., Wang A.	Forecasting interacting vacuum-energy models using gravitational waves	2020	Journal of Cosmology and Astroparticle Physics	2020		Article
Mukhopadhyay J.	Archean banded iron formations of India	2020	Earth-Science Reviews	201		Review
Li Y., Marchesoni F., Debnath D., Ghosh P.K.	Non-Gaussian normal diffusion in a fluctuating corrugated channel	2019	Physical Review Research	1		Article
Pakhira M., Ghosh R., Rath S.P., Chatterjee D.P., Nandi A.K.	Zwitterionic Poly(vinylidene fluoride) Graft Copolymer with Unexpected Fluorescence Property	2019	Langmuir	35	5525	Article
Lacy M., Mason B., Sarazin C., Chatterjee S., Nyland K., Kimball A., Rocha G., Rowe B., Surace J.	Direct detection of quasar feedback via the Sunyaev-Zeldovich effect	2019	Monthly Notices of the Royal Astronomical Society: Letters	483	L22	Article
Chakraborty A., Datta A., Choudhuri S., Roy N., Intema H., Choudhury M., Datta K.K., Pal S., Bharadwaj S., Dutta P., Choudhury T.R.	Detailed study of the ELAIS N1 field with the uGMRT - I. Characterizing the 325 MHz foreground for redshifted 21 cm observations	2019	Monthly Notices of the Royal Astronomical Society	487	4102	Article
Koley R., Samtani S.	Magnetogenesis in matter - Ekpyrotic bouncing cosmology	2017	Journal of Cosmology and Astroparticle Physics	2017		Article
Dhali M.K., Biswas M.	Geo-hydrological response to pothole formation: a quantitative study of Kharsoti River, India	2017	Modeling Earth Systems and Environment	3		Article

Chakraborti T.M., Ray A., Deb G.K.	Crystal size distribution analysis of plagioclase from gabbro-anorthosite suite of Kuliana, Orissa, eastern India: implications for textural coarsening in a static magma chamber	2017	Geological Journal	52	234	Article
Dey A., Gorai P., Mukherjee A., Dhan R., Modak B.K.	Ethnobiological treatments of neurological conditions in the Chota Nagpur Plateau, India	2017	Journal of Ethnopharmacology	198	33	Article
Saha P., Pyne D.K., Pal M., Datta S., Das P.K., Dutta P., Halder A.	pH dependent tunable photoluminescence of Polyaniline grafted Graphene Oxide (GO-PANI) nanocomposite	2017	Journal of Luminescence	181	138	Article
Rai R.K., Khajanchi S., Tiwari P.K., Venturino E., Misra A.K.	Impact of social media advertisements on the transmission dynamics of COVID-19 pandemic in India	2022	Journal of Applied Mathematics and Computing	68	19	Article
Banerjee S., Anand U., Ghosh S., Ray D., Ray P., Nandy S., Deshmukh G.D., Tripathi V., Dey A.	Bacosides from Bacopa monnieri extract: An overview of the effects on neurological disorders	2021	Phytotherapy Research	35	5668	Review
Chakraborty S., Maity I., Patel P.P., Dadashpoor H., Pramanik S., Follmann A., Novotný J., Roy U.	Spatio-temporal patterns of urbanization in the Kolkata Urban Agglomeration: A dynamic spatial territory-based approach	2021	Sustainable Cities and Society	67		Article
Biswas D., Nazir R., Biswas P., Kumar V., Nandy S., Mukherjee A., Dey A., Pandey D.K.	Endophytic sources of diosgenin, a natural steroid with multiple therapeutic values	2020	South African Journal of Botany	134	119	Article
Nandi S., Mukherjee G., Chen Q.B., Frauendorf S., Banik R., Bhattacharya S., Dar S., Bhattacharyya S., Bhattacharya C., Chatterjee S., Das S., Samanta S., Raut R., Ghugre S.S., Rajbanshi S., Ali S., Pai H., Asgar M.A., Das Gupta S., Chowdhury P., Goswami A.	First Observation of Multiple Transverse Wobbling Bands of Different Kinds in Au 183	2020	Physical Review Letters	125		Article
Mondal R., Shaw A.K., Iliev I.T., Bharadwaj S., Datta K.K., Majumdar S., Sarkar A.K., Dixon K.L.	Predictions for measuring the 21-cm multifrequency angular power spectrum using SKA-Low	2020	Monthly Notices of the Royal Astronomical Society	494	4043	Article
Sengupta P., Pal U., Mondal P., Bose A.	Multi-spectroscopic and computational evaluation on the binding of sinapic acid and its Cu(II) complex with bovine serum albumin	2019	Food Chemistry	301		Article
Chatterjee A., Ray J.S., Shukla A.D., Pande K.	On the existence of a perennial river in the Harappan heartland	2019	Scientific Reports	9		Article

Bose A., Sengupta P., Pal U., Senapati S., Ahsan M., Roy S., Das U., Sen K.	Encapsulation of Thymol in cyclodextrin nano-cavities: A multi spectroscopic and theoretical study	2019	Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy	208	339	Article
Chakraborty S., Sheu T.W.-H., Ghosh S.	Dynamics and stability of a power-law film flowing down a slippery slope	2019	Physics of Fluids	31		Article
Ghatak I., Chatterjee S.	Urban street vending practices: an investigation of ethnic food safety knowledge, attitudes, and risks among untrained Chinese vendors in chinatown, Kolkata	2018	Journal of Ethnic Foods	5	272	Article
O'Sullivan E., Kolokythas K., Kantharia N.G., Raychaudhury S., David L.P., Vrtilek J.M.	The origin of the X-ray, radio and HI structures in the NGC 5903 galaxy group	2018	Monthly Notices of the Royal Astronomical Society	473	5248	Article
Guha S., Patel P.P.	Evidence of topographic disequilibrium in the subarnarekha river basin, India: A digital elevation model based analysis	2017	Journal of Earth System Science	126		Article
Kuila A., Chatterjee D.P., Maity N., Nandi A.K.	Multi-functional poly(vinylidene fluoride) graft copolymers	2017	Journal of Polymer Science, Part A: Polymer Chemistry	55	2569	Article
Bera S., Chakrabarti B., Das T.K.	Application of conditional shape invariance symmetry to obtain the eigen-spectrum of the mixed potential $V(r)=ar+br^2+cr+l(l+1)r^2$	2017	Physics Letters, Section A: General, Atomic and Solid State Physics	381	1356	Article
Acharyya M., Halder A.	Blume-Capel ferromagnet driven by propagating and standing magnetic field wave: Dynamical modes and nonequilibrium phase transition	2017	Journal of Magnetism and Magnetic Materials	426	53	Article
Dutta P., Afalla J., Halder A., Datta S., Tominaga K.	Temperature-dependent conductivity of graphene oxide and graphene oxide-polyaniline nanocomposites studied by terahertz time-domain spectroscopy	2017	Journal of Physical Chemistry C	121	1442	Article

Di Valentino E., Anchordoqui L.A., Akarsu Ö., Ali-Haimoud Y., Amendola L., Arendse N., Asgari M., Ballardini M., Basilakos S., Battistelli E., Benetti M., Birrer S., Bouchet F.R., Bruni M., Calabrese E., Camarena D., Capozziello S., Chen A., Chluba J., Chudaykin A., Colgáin E.Ó., Cyr-Racine F.-Y., de Bernardis P., de Cruz Pérez J., Delabrouille J., Escamilla-Rivera C., Ferté A., Finelli F., Freedman W., Frusciante N., Giusarma E., Gómez-Valent A., Handley W., Harrison I., Hart L., Heavens A., Hildebrandt H., Holz D., Huterer D., Ivanov M.M., Joudaki S., Kamionkowski M., Karwal T., Knox L., Kumar S., Lamagna L., Lesgourges J., Lucca M., Marra V., Masi S., Matarrese S., Mazumdar A., Melchiorri A., Mena O., Mersini-Houghton L.,	Snowmass2021 - Letter of interest cosmology intertwined IV: The age of the universe and its curvature	2021	Astroparticle Physics	131		Article
Sharifi-Rad J., Dey A., Koirala N., Shaheen S., El Omari N., Salehi B., Goloshvili T., Cirone Silva N.C., Bouyahya A., Vitalini S., Varoni E.M., Martorell M., Abdolshahi A., Docea A.O., Iriti M., Calina D., Les F., López V., Caruntu C.	Cinnamomum Species: Bridging Phytochemistry Knowledge, Pharmacological Properties and Toxicological Safety for Health Benefits	2021	Frontiers in Pharmacology	12		Review
P.S C., Sanyal D., Dasgupta S., Banik A.	Cadmium biosorption and biomass production by two freshwater microalgae <i>Scenedesmus acutus</i> and <i>Chlorella pyrenoidosa</i> : An integrated approach	2021	Chemosphere	269		Article
Sarkar P., Malik S., Laha S., Das S., Bunk S., Ray J.G., Chatterjee R., Saha A.	Dysbiosis of Oral Microbiota During Oral Squamous Cell Carcinoma Development	2021	Frontiers in Oncology	11		Article
Saha U., Banerjee A., Das B.	Drug-surfactant comicellization: Propranolol hydrochloride-surface active ionic liquid systems in aqueous medium	2020	Journal of Molecular Liquids	309		Article

Basu J., Datta C., Chowdhury S., Mandal D., Mondal N.K., Ghosh A.	Gestational Diabetes Mellitus in a Tertiary Care Hospital of Kolkata, India: Prevalence, Pathogenesis and Potential Disease Biomarkers	2020	Experimental and Clinical Endocrinology and Diabetes	128	216	Article
Dutt S., Goel V., Garg N., Choudhury D., Mallick D., Tyagi V.	Biocatalytic Aza-Michael Addition of Aromatic Amines to Enone Using α -Amylase in Water	2020	Advanced Synthesis and Catalysis	362	858	Article
Mukhopadhyay K., Naskar A., Ghosh U.C., Sasikumar P.	One-pot synthesis of β -cyclodextrin amended mesoporous cerium(IV) incorporated ferric oxide surface towards the evaluation of fluoride removal efficiency from contaminated water for point of use	2020	Journal of Hazardous Materials	384		Article
Mukhopadhyay K., Ghosh U.C., Sasikumar P.	Enhanced capacity of fluoride scavenging from contaminated water by nano-architectural reorientation of cerium-incorporated hydrous iron oxide with graphene oxide	2019	Environmental Science and Pollution Research	26	26112	Article
De Haro J., Pan S., Saló L.A.	Understanding gravitational particle production in quintessential inflation	2019	Journal of Cosmology and Astroparticle Physics	2019		Article
Chabe N.R., Lele N., Misra A., Murthy T.V.R., Manna S., Hazra S., Panda M., Samal R.N.	Mangrove species discrimination and health assessment using AVIRIS-NG hyperspectral data	2019	Current Science	116	1136	Article
Mondal R., Bharadwaj S., Iliev I.T., Datta K.K., Majumdar S., Shaw A.K., Sarkar A.K.	A method to determine the evolution history of the mean neutral Hydrogen fraction	2019	Monthly Notices of the Royal Astronomical Society: Letters	483	L109	Review
Mukherjee S., Ghosh G., Das K., Bose S., Hayasaka Y.	Geochronological and geochemical signatures of the granitic rocks emplaced at the north-eastern fringe of the Eastern Dharwar Craton, South India: Implications for late Archean crustal growth	2018	Geological Journal	53	1781	Article
Biswas M., Banerjee P.	Bridge construction and river channel morphology—A comprehensive study of flow behavior and sediment size alteration of the River Chel, India	2018	Arabian Journal of Geosciences	11		Article
Sadhukhan B., Singh P., Nayak A., Datta S., Johnson D.D., Mookerjee A.	Band-gap tuning and optical response of two-dimensional Six C _{1-x} : A first-principles real-space study of disordered two-dimensional materials	2017	Physical Review B	96		Article

Adhikary J., Chakraborty P., Samanta S., Zangrandi E., Ghosh S., Das D.	Thiocyanate mediated structural diversity in phenol based “end-off” compartmental ligand complexes of group 12 metal ions: Studies on their photophysical properties and phosphatase like activity	2017	Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy	178	114	Article
Roy K., Chakrabarti B., Chavda N.D., Kota V.K.B., Lekala M.L., Rampho G.J.	Spectral analysis of molecular resonances in erbium isotopes: Are they close to semi-Poisson?	2017	EPL	118		Article
Khare T., Anand U., Dey A., Assaraf Y.G., Chen Z.-S., Liu Z., Kumar V.	Exploring Phytochemicals for Combating Antibiotic Resistance in Microbial Pathogens	2021	Frontiers in Pharmacology	12		Review
Ali A., Sepay N., Afzal M., Sepay N., Alarifi A., Shahid M., Ahmad M.	Molecular designing, crystal structure determination and in silico screening of copper(II) complexes bearing 8-hydroxyquinoline derivatives as anti-COVID-19	2021	Bioorganic Chemistry	110		Article
Nazir R., Kumar V., Gupta S., Dwivedi P., Pandey D.K., Dey A.	Biotechnological strategies for the sustainable production of diosgenin from <i>Dioscorea</i> spp.	2021	Applied Microbiology and Biotechnology	105	569	Review
Kadir E.S., Gayen R.N., Paul R., Biswas S.	Interfacial effects on ferroelectric and dielectric properties of GO reinforced free-standing and flexible PVDF/ZnO composite membranes: Bias dependent impedance spectroscopy	2020	Journal of Alloys and Compounds	843		Article
Mukherjee T., Banik A., Mukhopadhyay S.K.	Plant Growth-Promoting Traits of a Thermophilic Strain of the <i>Klebsiella</i> Group with its Effect on Rice Plant Growth	2020	Current Microbiology	77	2613	Article
Misra A.K., Singh R.K., Tiwari P.K., Khajanchi S., Kang Y.	Dynamics of algae blooming: effects of budget allocation and time delay	2020	Nonlinear Dynamics	100	1779	Article
Mondal B., Chakraborti S., Das D.N., Joshi P.K., Maity S., Pramanik M.K., Chatterjee S.	Comparison of spatial modelling approaches to simulate urban growth: a case study on Udaipur city, India	2020	Geocarto International	35	411	Article
Kolokythas K., O'Sullivan E., Giacintucci S., Worrall D.M., Birkinshaw M., Raychaudhury S., Horellou C., Intema H., Loubser I.	Evidence of AGN feedback and sloshing in the X-ray luminous NGC 1550 galaxy group	2020	Monthly Notices of the Royal Astronomical Society	496	1471	Article
Banik A., Chattopadhyay A., Ganguly S., Mukhopadhyay S.K.	Characterization of a tea pest specific <i>Bacillus thuringiensis</i> and identification of its toxin by MALDI-TOF mass spectrometry	2019	Industrial Crops and Products	137	549	Article
Banerji S., Mitra D.	Geographical information system-based groundwater quality index assessment of northern part of Kolkata, India for drinking purpose	2019	Geocarto International	34	943	Article

Dhali M.K., Biswas M.	MCA on mechanism of river bed potholes growth: a study of middle Subarnarekha River basin, South East Asia	2019	Environment, Development and Sustainability	21	935	Article
Mondal P., Bose A.	Spectroscopic overview of quercetin and its Cu(II) complex interaction with serum albumins	2019	BioImpacts	9	115	Review
Sur M., Dey P., Sarkar A., Bar S., Banerjee D., Bhat S., Mukherjee P.	Sarm1 induction and accompanying inflammatory response mediates age-dependent susceptibility to rotenone-induced neurotoxicity	2018	Cell Death Discovery	4		Article
Banerjee A., Sikder D.	Transient chaos generates small chimeras	2018	Physical Review E	98		Article
Debnath T., Li Y., Ghosh P.K., Marchesoni F.	Hydrodynamic interaction of trapped active Janus particles in two dimensions	2018	Physical Review E	97		Article
Ghosh A., Dutta S., Podder S., Mondal P., Laha A., Saha N.C., Moitra S., Saha G.K.	Sensitivity to House Dust Mites Allergens with Atopic Asthma and Its Relationship with CD14 C(-159T) Polymorphism in Patients of West Bengal, India	2018	Journal of Medical Entomology	55	14	Article
Saha P., Pyne D.K., Ghosh S., Banerjee S., Das S., Ghosh S., Dutta P., Halder A.	Effect of an anionic surfactant (SDS) on the photoluminescence of graphene oxide (GO) in acidic and alkaline medium	2018	RSC Advances	8	584	Article
Bhattacherjee A., Ghosh T., Datta A.	Green synthesis and characterisation of antioxidant-tagged gold nanoparticle (X-GNP) and studies on its potent antimicrobial activity	2018	Journal of Experimental Nanoscience	13	50	Article
Mondal S., Ray D., Das B.	Thermodynamics of aggregation of imidazolium-based surface active ionic liquids in aqueous poly(ethylene oxide) media	2018	Journal of Chemical Thermodynamics	116	61	Article
Li Y., Marchesoni F., Debnath T., Ghosh P.K.	Two-dimensional dynamics of a trapped active Brownian particle in a shear flow	2017	Physical Review E	96		Article
Sanyal J.	Uncertainty in levee heights and its effect on the spatial pattern of flood hazard in a floodplain	2017	Hydrological Sciences Journal	62	1483	Article
Halder S., Anand U., Nandy S., Oleksak P., Qusti S., Alshammari E.M., El-Saber Batiha G., Koshy E.P., Dev A.	Herbal drugs and natural bioactive products as potential therapeutics: A review on pro-cognitives and brain boosters perspectives	2021	Saudi Pharmaceutical Journal	29	879	Review
Manokari M., Priyadarshini S., Jogam P., Dey A., Shekhawat M.S.	Meta-topolin and liquid medium mediated enhanced micropropagation via ex vitro rooting in Vanilla planifolia Jacks. ex Andrews	2021	Plant Cell, Tissue and Organ Culture	146	69	Article
Bachhar P., Saha D., Santosh M., Liu H.-D., Kwon S., Banerjee A., Patranabis-Deb S., Deb G.K.	Mantle heterogeneity and crust-mantle interaction in the Singhbhum craton, India: New evidence from 3340 Ma komatiites	2021	Lithos	382-383		Article

Sardar M., Biswas S., Khajanchi S.	The impact of distributed time delay in a tumor-immune interaction system	2021	Chaos, Solitons and Fractals	142		Article
Mukhopadhyay J., Crowley Q., Ghosh B., Ghosh G., Heron K.	Detrital zircon U–Pb LA-ICPMS ages from the Kolhan Group, Singhbhum Craton, eastern India: Implications for terminal Mesoproterozoic palaeogeography between Columbia and Rodinia along the Central Indian Tectonic Zone	2021	Geological Journal	56	60	Article
Gayen R.N., Paul R., Biswas S.	Schottky enabled enhanced UV detection by graphene oxide composited transparent ZnO thin films	2020	Applied Surface Science	533		Article
Yin Q., Li Y., Marchesoni F., Debnath T., Ghosh P.K.	Exit times of a Brownian particle out of a convection roll	2020	Physics of Fluids	32		Article
Papagiannopoulos G., Basilakos S., Paliathanasis A., Pan S., Stavrinou P.	Dynamics in varying vacuum Finsler–Randers cosmology	2020	European Physical Journal C	80		Article
Kumar P., Tiwari P., Biswas A., Acharya T.	Geophysical and hydrogeological investigation for the saline water invasion in the coastal aquifers of West Bengal, India: a critical insight in the coastal saline clay–sand sediment system	2020	Environmental Monitoring and Assessment	192		Article
Bhattacharyya S., Ghosh R., Chatterjee R., Das N.	Blazar Variability: A Study of Nonstationarity and the Flux-Rms Relation	2020	Astrophysical Journal	897		Article
Bhattacharyya S.R., Mallick Z., Gayen R.N.	Vertically Aligned Al-Doped ZnO Nanowire Arrays as Efficient Photoanode for Dye-Sensitized Solar Cells	2020	Journal of Electronic Materials	49	3860	Article
Biswas M., Banerji S., Mitra D.	Land-use–land-cover change detection and application of Markov model: A case study of Eastern part of Kolkata	2020	Environment, Development and Sustainability	22	4341	Article
Samanta J., Mondal A., Saha S., Chakraborty S., Sengupta A.	Oleic Acid Protects from Arsenic-Induced Cardiac Hypertrophy via AMPK/FoxO/NFATc3 Pathway	2020	Cardiovascular Toxicology	20	261	Article
Debnath D., Ghosh P.K., Misko V.R., Li Y., Marchesoni F., Nori F.	Enhanced motility in a binary mixture of active nano/microswimmers	2020	Nanoscale	12	9717	Article
Mondal S., Banerjee A., Das B.	Spectroscopic and interfacial investigation on the interaction of hemoglobin with conventional and ionic liquid surfactants	2020	Journal of Molecular Liquids	301		Article
Manna S., Raychaudhuri B.	Retrieval of Leaf area index and stress conditions for Sundarban mangroves using Sentinel-2 data	2020	International Journal of Remote Sensing	41	1019	Article

Biswas P., Mukhopadhyay A., Kabir S.N., Mukhopadhyay P.K.	High-Protein Diet Ameliorates Arsenic-Induced Oxidative Stress and Antagonizes Uterine Apoptosis in Rats	2019	Biological Trace Element Research	192	222	Article
Dey S., Kundu R., Gopal G., Mukherjee A., Nag A., Paul S.	Enhancement of nitrogen assimilation and photosynthetic efficiency by novel iron pulsing technique in <i>Oryza sativa</i> L. var Pankaj	2019	Plant Physiology and Biochemistry	144	207	Article
Giri R.	Influence of selected factors in journals' citations	2019	Aslib Journal of Information Management	71	90	Article
Yang W., Pan S., Valentino E.D., Saridakis E.N.	Observational constraints on dynamical dark energy with pivoting redshift	2019	Universe	5		Article
Mukherjee S., Maitra T., Pradhan A., Mukherjee S., Manna G., Bhunia S., Navak A.	Rapid responsive Mg/ZnSnP2/Sn photodetector for visible to near-infrared application	2019	Solar Energy Materials and Solar Cells	189	181	Article
Joy S., Van Der Linde G., Choudhury A.K., Deb G.K., Tappe S.	Reassembly of the Dharwar and Bastar cratons at ca. 1 Ga: Evidence from multiple tectonothermal events along the Karimnagar granulite belt and Khammam schist belt, southern India	2018	Journal of Earth System Science	127		Article
Pandey D.K., Nazir A., Dey A.	Isolation and Characterization of Phosphate Solubilizing Bacteria from Rhizosphere of <i>Dioscorea alata</i> Stimulating Growth and Diosgenin Production	2017	Proceedings of the National Academy of Sciences India Section B - Biological Sciences	87	1143	Article
Ghosh R., Chatterjee D.P., Das S., Mukhopadhyay T.K., Datta A., Nandi A.K.	Influence of Hofmeister I- on Tuning Optoelectronic Properties of Ampholytic Polythiophene by Varying pH and Conjugating with RNA	2017	Langmuir	33	12739	Article
Samanta S., Sanyal S., Maity M., Chaudhury M., Ghosh S.	Unusual solvent effect of molecular charge transfer complexes: Stacking/non-stacking interaction revealed by characterization of structure and photophysical aspects	2017	Journal of Luminescence	190	403	Article
Ghosh S., Mishra R., Biswas S., Bhadra R.K., Mukhopadhyay P.K.	α -Lipoic acid mitigates arsenic-induced hematological abnormalities in adult male rats	2017	Iranian Journal of Medical Sciences	42	242	Article
Chowdhury D.D., Chatterjee S.	Sunyaev-Zel'Dovich Signal from Quasar Hosts: Implications for Detection of Quasar Feedback	2017	Astrophysical Journal	839		Article
Samui S., Samui Pal S.	Photo-z with CuBANz: An improved photometric redshift estimator using Clustering aided Back propagation Neural network	2017	New Astronomy	51	169	Article

Tandon B., Anand U., Alex B.K., Kaur P., Nandy S., Shekhawat M.S., Sanyal R., Pandey D.K., Koshy E.P., Dey A.	Statistical optimization of in vitro callus induction of wild and cultivated varieties of <i>Mucuna pruriens</i> L. (DC.) using response surface methodology and assessment of L-Dopa biosynthesis	2021	Industrial Crops and Products	169		Article
Maity S., Saha A.	Therapeutic Potential of Exploiting Autophagy Cascade Against <u>Coronavirus Infection</u>	2021	Frontiers in Microbiology	12		Review
Imdad K., Sahana M., Rana M.J., Haque I., Patel P.P., Pramanik M.	A district-level susceptibility and vulnerability assessment of the COVID-19 pandemic's footprint in India	2021	Spatial and Spatio-temporal Epidemiology	36		Article
Sharifi-Rad M., Berkay Yilmaz Y., Antika G., Salehi B., Tumer T.B., Kulandaismay Venil C., Das G., Patra J.K., Karazhan N., Akram M., Iqbal M., Imran M., Sen S., Acharya K., Dey A., Sharifi-Rad I.	Phytochemical constituents, biological activities, and health-promoting effects of the genus <i>Origanum</i>	2021	Phytotherapy Research	35	95	Review
Chahal S., Lekhak M.M., Kaur H., Shekhawat M.S., Dey A., Jha P., Pandey D.K., Kumar V.	Unraveling the medicinal potential and conservation of Indian <i>Crinum</i> (Amaryllidaceae) species	2021	South African Journal of Botany	136	7	Review
Das Laha S., Dutta S., Schäffner A.R., Das M.	Gene duplication and stress genomics in Brassicas: Current understanding and future prospects	2020	Journal of Plant Physiology	255		Review
Nandy S., Das T., Tudu C.K., Pandey D.K., Dey A., Ray P.	Fungal endophytes: Futuristic tool in recent research area of phytoremediation	2020	South African Journal of Botany	134	285	Article
Masini A., Hickox R.C., Carroll C.M., Aird J., Alexander D.M., Assef R.J., Bower R., Brodwin M., Brown M.J.I., Chatterjee S., Chen C.-T.J., Dey A., Dipompeo M.A., Duncan K.J., Eisenhardt P.R.M., Forman W.R., Gonzalez A.H., Goulding A.D., Hainline K.N., Jannuzzi B.T., Jones C., Kochanek C.S., Kraft R., Lee K.-S., Miller E.D., Mullaney J., Myers A.D., Ptak A., Stanford A., Stern D., Vikhlinin A., Wake D.A., Murray S.S.	The Chandra Deep Wide-field Survey: A New Chandra Legacy Survey in the Boötes Field. I. X-Ray Point Source Catalog, Number Counts, and Multiwavelength Counterparts	2020	Astrophysical Journal, Supplement Series	251		Review
Saha D., Das D., Dasgupta R., Patel P.P.	Application of ecological and aesthetic parameters for riparian quality assessment of a small tropical river in eastern India	2020	Ecological Indicators	117		Article

Nandy T., Mandal S.	Unravelling the spatio-temporal variation of zooplankton community from the river Matla in the Sundarbans Estuarine System, India	2020	Oceanologia	62	326	Article
Kaur P., Gupta R.C., Dey A., Malik T., Pandey D.K.	Validation and quantification of major biomarkers in 'Mahasudarshan Churna'- an ayurvedic polyherbal formulation through high-performance thin-layer chromatography	2020	BMC complementary medicine and therapies	20	184	Article
Dutta S., Pal S., Sikder D., De S.	Light-weight flexible solid-state supercapacitor based on highly crystalline 2D BiOCl nanoplates/MWCNT nanocomposites	2020	Journal of Alloys and Compounds	820		Article
Ganguly P., Chatterjee A.	Geological evolution of the northern and northwestern eastern ghats belt, India from metamorphic, structural and geochronological records: An appraisal	2020	Journal of Mineralogical and Petrological Sciences	115	88	Review
Ghosh G., Bose S.	Deformation and metamorphic history of the Singhbhum Craton vis-a-vis peripheral mobile belts, eastern India: Implications on Precambrian crustal processes	2020	Journal of Mineralogical and Petrological Sciences	115	70	Article
Ghosh T., Basak U., Bairi P., Ghosh R., Pakhira M., Ball R., Biswas B., Chatterjee D.P.	Hierarchical Nanocomposites by Oligomer-Initiated Controlled Polymerization of Aniline on Graphene Oxide Sheets for Energy Storage	2020	ACS Applied Nano Materials	3	1693	Article
Ghosh A., Kanrar S., Nandi D., Sasikumar P., Biswas K., Ghosh U.C.	Redox-Assisted Arsenic(III) Adsorption for Removal from Aqueous Solution by Cerium(IV)-Incorporated Zirconium Oxide Nanocomposites	2020	Journal of Chemical and Engineering Data	65	885	Article
De R., Das B.	Concentration, medium and salinity-induced shrinkage/expansion of Poly(sodium styrenesulfonate) in 2-ethoxyethanol-Water mixed solvent media as probed by viscosimetry	2020	Journal of Molecular Structure	1199		Article
Mazumder R., Chaudhuri T., Biswas S.	Palaeoarchaean sedimentation and magmatic processes in the eastern Iron Ore Group, eastern India: A commentary	2019	Geological Journal	54	3078	Article
Sengupta S., Ghosh S., Saha S., Chakraborty S.	Rotational instabilities in microchannel flows	2019	Physics of Fluids	31		Article
Paul S., Roy P., Saha Sardar P., Majhi A.	Design, Synthesis, and Biophysical Studies of Novel 1,2,3-Triazole-Based Quinoline and Coumarin Compounds	2019	ACS Omega	4	7213	Article

Das D.K., Khajanchi S., Kar T.K.	Influence of multiple re-infections in tuberculosis transmission dynamics: A mathematical approach	2019	2019 8th International Conference on Modeling Simulation and Applied Optimization, ICMSAO 2019			Conference Paper
Bhattacharyya S., Sanyal J.	Impact of different types of meteorological data inputs on predicted hydrological and erosive responses to projected land use changes	2019	Journal of Earth System Science	128		Article
Pandge M.B., Monteiro-Oliveira R., Bagchi J., Simionescu A., Limousin M., Raychaudhury S.	A combined X-ray, optical, and radio view of the merging galaxy cluster MACS J0417.5–1154	2019	Monthly Notices of the Royal Astronomical Society	482	5093	Article
Saha P., Pyne D.K., Dutta P., Halder A.	Tunable luminescence of graphene oxide-polyaniline nano-composite: Effect of an anionic surfactant	2019	Journal of Luminescence	206	218	Article
Maitra T., Pradhan A., Mukherjee S., Mukherjee S., Nayak A., Bhunia S.	Evaluation of spontaneous superlattice ordering in MOCVD grown Al _x Ga _{1-x} As epilayer on GaAs (100) using X-ray reflectivity and rocking curve analysis	2019	Physica E: Low-Dimensional Systems and Nanostructures	106	357	Article
Zhang S., Pei Y., Lang F., Sun K., Singh R.K., Lamplugh Z.L., Saha A., Robertson E.S.	EBNA3C facilitates RASSF1A downregulation through ubiquitin-mediated degradation and promoter hypermethylation to drive B-cell proliferation	2019	PLoS Pathogens	15		Article
Roy N., Chatterjee R., Joshi M., Ghosh A.	Probing the jets of blazars using the temporal symmetry of their multiwavelength outbursts	2019	Monthly Notices of the Royal Astronomical Society	482	743	Article
Chattopadhyay D., Mukhopadhyay A., Ojha D., Sadhukhan P., Dutta S.	Immuno-metabolic changes in herpes virus infection	2018	Cytokine	112	52	Article
Ghosh R., Das S., Bhattacharyya K., Chatterjee D.P., Biswas A., Nandi A.K.	Light-Induced Conformational Change of Uracil-Anchored Polythiophene-Regulating Thermo-Responsiveness	2018	Langmuir	34	12401	Article
Nandy T., Mandal S., Deb S., Ghosh M., Nath T., Chatterjee M.	Short-term variations in surface water properties in the Sundarban Estuarine System, India	2018	Sustainable Water Resources Management	4	559	Article
Tang X., Xu X., Ghosh M., Ghosh P.	Bayesian Variable Selection and Estimation Based on Global-Local Shrinkage Priors	2018	Sankhya A	80	215	Article
Chakraborti T.M., Ray A., Deb G.K.	Evidence of melt/rock interaction in the Cr-spinel bearing wehrlite rocks of Bangriposi, India: Implications for nature of the metasomatic agent	2018	Geoscience Frontiers	9	1213	Article

Mukherjee S., Maitra T., Nayak A., Mukherjee S., Pradhan A., Mukhopadhyay M.K., Satpati B., Bhunia S.	Microstructural and light emission properties of ZnSnP2 thin film absorber: Study of native defects	2018	Materials Chemistry and Physics	204	147	Article
Sarkar S.	Haldane's The causes of evolution and the Modern Synthesis in evolutionary biology	2017	Journal of Genetics	96	753	Article
Dasgupta A., Bose S., Das K., Ghosh G.	Petrological and geochemical evolution of the Central Gneissic Belt, Rengali Province, eastern India: Implications for the Neoarchean growth and orogenesis	2017	Journal of Asian Earth Sciences	146	1	Article
Bhattacherjee D., Basu C., Bhardwaj Q., Mal S., Sahu S., Sur R., Bhabak K.P.	Design, Synthesis and Anti-Cancer Activities of Benzyl Analogues of Garlic-Derived Diallyl Disulfide (DADS) and the Corresponding Diselenides	2017	ChemistrySelect	2	7399	Article
Dutta S., Mondal P., Saha N.C., Moitra S., Podder S., Ghosh A., Saha G.K.	Role of offending out-door aero-allergen and CD14 C(-159)T polymorphism in development and severity of asthma in a Kolkata patient population	2017	African Health Sciences	17	1101	Article
Anand U., Tudu C.K., Nandy S., Sunita K., Tripathi V., Loake G.J., Dey A., Proćkow J.	Ethnodermatological use of medicinal plants in India: From ayurvedic formulations to clinical perspectives – A review	2022	Journal of Ethnopharmacology	284		Review

Di Valentino E., Anchordoqui L.A., Akarsu Ö., Ali-Haimoud Y., Amendola L., Arendse N., Asgari M., Ballardini M., Basilakos S., Battistelli E., Benetti M., Birrer S., Bouchet F.R., Bruni M., Calabrese E., Camarena D., Capozziello S., Chen A., Chluba J., Chudaykin A., Colgáin E.Ó., Cyr-Racine F.-Y., de Bernardis P., de Cruz Pérez J., Delabrouille J., Dunkley J., Escamilla-Rivera C., Ferté A., Finelli F., Freedman W., Frusciante N., Giusarma E., Gómez-Valent A., Handley W., Harrison I., Hart L., Heavens A., Hildebrandt H., Holz D., Huterer D., Ivanov M.M., Joudaki S., Kamionkowski M., Karwal T., Knox L., Kumar S., Lamagna L., Lesgourgues J., Lucca M., Marra V., Masi S., Matarrese S., Mazumdar A., Melchiorri A., Mena	Snowmass2021 - Letter of interest cosmology intertwined I: Perspectives for the next decade	2021	Astroparticle Physics	131		Article
Dey A., Nongdam P., Nandy S., Mukherjee S., Mukherjee A., Tikendra L., Hazra A.K., Pandey D.K.	Polyamine elicited aristolochic acid production in in vitro clonally fidel Aristolochia indica L.: An ISSR and RAPD markers and HPTLC based study	2021	South African Journal of Botany	140	326	Article
Sharifi-Rad J., Bahukhandi A., Dhyani P., Sati P., Capanoglu E., Docea A.O., Al-Harrasi A., Dey A., Calina D.	Therapeutic Potential of Neoechinulins and Their Derivatives: An Overview of the Molecular Mechanisms Behind Pharmacological Activities	2021	Frontiers in Nutrition	8		Review
Naskar P., Kundu D., Maiti A., Chakraborty P., Biswas B., Banerjee A.	Frontiers in Hybrid Ion Capacitors: A Review on Advanced Materials and Emerging Devices	2021	ChemElectroChem	8	1393	Review
Bose S., Ghosh G., Kawaguchi K., Das K., Mondal A.K., Banerjee A.	Zircon and monazite geochronology from the Rengali-Eastern Ghats Province: Implications for the tectonic evolution of the eastern Indian terrane	2021	Precambrian Research	355		Article
Chaudhuri A., Chatterjee A., Banerjee S., Ray J.S.	Tracing multiple sources of sediments using trace element and Nd isotope geochemistry: Provenance of the Mesozoic succession in the Kutch Basin, western India	2021	Geological Magazine	158	359	Article

Majumder S., Chaudhuri D., Datta J., Giri K.	Exploring the intrinsic dynamics of SARS-CoV-2, SARS-CoV and MERS-CoV spike glycoprotein through normal mode analysis using anisotropic network model	2021	Journal of Molecular Graphics and Modelling	102		Article
Ushavipinachandran V., Rajendran S., Badagoppam Haroon K.H., Ashokan I., Mondal A., Bhunia S.K.	Detoxification of Endocrine Disruptors in Water Using Visible-Light-Active Nanostructures: A Review	2020	ACS Applied Nano Materials	3	11659	Article
Dey A., Nandy S., Nongdam P., Tikendra L., Mukherjee A., Mukherjee S., Pandey D.K.	Methyl jasmonate and salicylic acid elicit indole alkaloid production and modulate antioxidant defence and biocidal properties in <i>Rauvolfia serpentina</i> Benth. ex Kurz. <i>in vitro</i> cultures	2020	South African Journal of Botany	135	1	Article
Nandy S., Dey A.	Bibenzyls and bisbybenzyls of bryophytic origin as promising source of novel therapeutics: pharmacology, synthesis and structure-activity	2020	DARU, Journal of Pharmaceutical Sciences	28	701	Review
Paul G.C., Saha S., Ghosh K.G.	Assessing the soil quality of Bansloi river basin, eastern India using soil-quality indices (SQIs) and Random Forest machine learning technique	2020	Ecological Indicators	118		Article
Volvoikar S., Mazumdar A., Peketi A., Dewangan P., Sawant B., Manaskanya A., Goswami H., Das D., Pujari S.	Contrasting sulfidization in the turbidite and hemipelagic sediments of Bengal Fan	2020	Marine and Petroleum Geology	118		Article
Naskar M., Acharyya M.	Effects of random fields on the reversal of magnetisation of Ising ferromagnet	2020	Physica A: Statistical Mechanics and its Applications	551		Article
Salehi B., Selamoglu Z., Sevindik M., Fahmy N.M., Al-Sayed E., El-Shazly M., Csupor-Löffler B., Csupor D., Yazdi S.E., Sharifi-Rad J., Arserim-Uçar D.K., Arserim E.H., Karazhan N., Jahani A., Dey A., Azadi H., Vakili S.A., Sharopov F., Martins N., Büsselberg D.	Achillea spp.: A comprehensive review on its ethnobotany, phytochemistry, phytopharmacology and industrial applications	2020	Cellular and Molecular Biology	66	78	Review
Mandal S., Mandal S.	COVID-19 imposed lockdown might be a boon for aquatic ecosystem	2020	Current Science	118	1641	Letter
Biswas S., Kumar Mukhopadhyay P.	Casein- and pea-enriched high-protein diet can take care of the reprotoxic effects of arsenic in male rats	2020	Andrologia	52		Article

Banik R., Bhattacharyya S., Biswas S., Bhattacharya S., Mukherjee G., Rajbanshi S., Dar S., Nandi S., Ali S., Chatterjee S., Das S., Das Gupta S., Ghugre S.S., Goswami A., Lemasson A., Mondal D., Mukhopadhyay S., Pai H., Pal S., Pandit D., Raut R., Ray P., Rejmund M., Samanta S.	Revealing multiple band structures in Xe 131 from α -induced reactions	2020	Physical Review C	101		Article
Bose S.	Geology of the proterozoic eastern ghats belt: Recent developments and outstanding issues	2020	Proceedings of the Indian National Science Academy	86	87	Article
Baag S., Mahapatra S., Mandal S.	Unravelling the effects of elevated temperature on the physiological energetics of Bellamya bengalensis	2020	Journal of Thermal Biology	88		Article
Misra S., Das S.K., Varma A.K., Mani D., Kalpana M.S., Ekblad A., Biswas S.	Multi-proxy approach on the hydrocarbon generation perspective of Barjora Basin, India	2020	Marine and Petroleum Geology	112		Article
Sajid S., Acharyya M.	Compensation in the spin-1/2 site diluted Ising ferrimagnet: a Monte Carlo study	2020	Phase Transitions	93	62	Article
Polley A., Khanam R., Sengupta A., Chakraborty S.	Asporin Reduces Adult Aortic Valve Interstitial Cell Mineralization Induced by Osteogenic Media and Wnt Signaling Manipulation in Vitro	2020	International Journal of Cell Biology	2020		Article
Singh S., Halder A., Sinha O., Sarkar P.K., Singh P., Banerjee A., Ahmed S.A., Alharbi A., Obaid R.J., Ghosh S.K., Mitra A., Pal S.K.	Nanoparticle-based 'turn-on' scattering and post-sample fluorescence for ultrasensitive detection of water pollution in wider window	2020	PLoS ONE	15		Article
Bera S., Chakrabarti B., Gammal A., Tsatsos M.C., Lekala M.L., Chatterjee B., Lévéque C., Lode A.U.J.	Sorting Fermionization from Crystallization in Many-Boson Wavefunctions	2019	Scientific Reports	9		Article
Kolokythas K., O'Sullivan E., Intema H., Raychaudhury S., Babul A., Giacintucci S., Gitti M.	The complete local volume groups sample - III. Characteristics of group central radio galaxies in the Local Universe	2019	Monthly Notices of the Royal Astronomical Society	489	2488	Article
Kaur P., Pandey D.K., Gupta R.C., Dey A.	Assessment of genetic diversity among different population of five <i>Swertia</i> species by using molecular and phytochemical markers	2019	Industrial Crops and Products	138		Article
Pai H., Ali S., Rajbanshi S., Ray P., Roy S., Goswami A.	112Sn target: Fabrication, characterization and application	2019	Vacuum	167	393	Article

Bhattacharya S., Trivedi T., Negi D., Singh R.P., Muralithar S., Palit R., Ragnarsson I., Nag S., Rajbanshi S., Raju M.K., Parkar V.V., Mohanto G., Kumar S., Choudhury D., Kumar R., Bhowmik R.K., Pancholi S.C., Jain A.K.	Evolution of collectivity and evidence of octupole correlations in Br 73	2019	Physical Review C	100		Article
Khan A., Chatterjee S., Akbari H., Bhatti S.S., Dinda A., Mitra C., Hong H., Doan Q.V.	Step-wise Land-class Elimination Approach for extracting mixed-type built-up areas of Kolkata megacity	2019	Geocarto International	34	504	Article
Das P., Pan S., Ghosh S.	Thermodynamics and phase transition in Shapere-Wilczek fgh model: Cosmological time crystal in quadratic gravity	2019	Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics	791	66	Article
Guin D.	Contemporary perspectives of small towns in India: A review	2019	Habitat International	86	19	Review
Pandge M.B., Sonkamble S.S., Parekh V., Dabhade P., Parmar A., Patil M.K., Raychaudhury S.	AGN Feedback in Galaxy Groups: A Detailed Study of X-Ray Features and Diffuse Radio Emission in IC 1262	2019	Astrophysical Journal	870		Article
Ghosh M., Mandal S., Chatterjee M.	Impact of unusual monsoonal rainfall in structuring meiobenthic assemblages at Sundarban estuarine system, India	2018	Ecological Indicators	94	139	Article
Datta R., Acharyya M., Dhar A.	Magnetisation reversal in Ising ferromagnet by thermal and field gradients	2018	Heliyon	4		Article
Nandy T., Mandal S., Chatterjee M.	Intra-monsoonal variation of zooplankton population in the Sundarbans Estuarine System, India	2018	Environmental Monitoring and Assessment	190		Article
Mitra K., Chatterjee S., DiPompeo M.A., Myers A.D., Zheng Z.	The Halo Occupation Distribution of obscured quasars: Revisiting the unification model	2018	Monthly Notices of the Royal Astronomical Society	477	45	Article
Mondal S., Das B.	A study on the interaction of horse heart cytochrome c with some conventional and ionic liquid surfactants probed by ultraviolet-visible and fluorescence spectroscopic techniques	2018	Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy	198	278	Article
Pandey D.K., Kaur P., Dey A.	Arbuscular mycorrhizal fungi: Effects on secondary metabolite production in medicinal plants	2018	Fungi and their Role in Sustainable Development: Current Perspective		507	Book Chapter
Debnath T., Ghosh P.K.	Activated barrier crossing dynamics of a Janus particle carrying cargo	2018	Physical Chemistry Chemical Physics	20	25069	Article

Sinha O., Singh S., Mitra A., Ghosh S.K., Raha S.	Development of a Drowsy Driver Detection System Based on EEG and IR-based Eye Blink Detection Analysis	2018	Lecture Notes in Electrical Engineering	462	313	Conference Paper
Pal P., Moulik S.R., Gupta S., Guha P., Majumder S., Kundu S., Mallick B., Pramanick K., Mukherjee D.	Estrogen-regulated expression of P450arom genes in the brain and ovaries of adult female Indian climbing perch, <i>Anabas testudineus</i>	2018	Journal of Experimental Zoology Part A: Ecological and Integrative Physiology	329	29	Article
Dey A., Mukherjee A.	Plant-Derived Alkaloids: A Promising Window for Neuroprotective Drug Discovery	2018	Discovery and Development of Neuroprotective Agents from Natural Products: Natural Product Drug Discovery		237	Book Chapter
Guchhait R., Chatterjee A., Gupta S., Debnath M., Mukherjee D., Pramanick K.	Molecular mechanism of mercury-induced reproductive impairments in banded gourami, <i>Trichogaster fasciata</i>	2018	General and Comparative Endocrinology	255	40	Article
Pradhan A., Maitra T., Mukherjee S., Mukherjee S., Nayak A., Satpati B., Bhunia S.	Spontaneous superlattice structures in Al _x Ga _{1-x} As/GaAs (1 0 0) grown by metalorganic vapor phase epitaxy	2018	Materials Letters	210	77	Article
Rai S.K., Sangesland M., Lee M., Jr., Esnault C., Cui Y., Chatterjee A.G., Levin H.L.	Host factors that promote retrotransposon integration are similar in distantly related eukaryotes	2017	PLoS Genetics	13		Article
Debnath T., Ghosh P.K., Nori F., Li Y., Marchesoni F., Li B.	Diffusion of active dimers in a Couette flow	2017	Soft Matter	13	2793	Article
Anand U., Li X., Sunita K., Lokhandwala S., Gautam P., Suresh S., Sarma H., Vellingiri B., Dey A., Bontempi E., Jiang G.	SARS-CoV-2 and other pathogens in municipal wastewater, landfill leachate, and solid waste: A review about virus surveillance, infectivity, and inactivation	2022	Environmental Research	203		Article
Datta S., Ramamurthy P.C., Anand U., Singh S., Singh A., Dhanjal D.S., Dhaka V., Kumar S., Kapoor D., Nandy S., Kumar M., Koshy E.P., Dey A., Proćkow J., Singh I.	Wonder or evil?: Multifaceted health hazards and health benefits of Cannabis sativa and its phytochemicals	2021	Saudi Journal of Biological Sciences	28	7290	Review
Dutta S., Deb A., Biswas P., Chakraborty S., Guha S., Mitra D., Geist B., Schäffner A.R., Das M.	Identification and functional characterization of two bamboo FD gene homologs having contrasting effects on shoot growth and flowering	2021	Scientific Reports	11		Article
Nazir R., Gupta S., Dey A., Kumar V., Yousuf M., Hussain S., Dwivedi P., Pandey D.K.	In vitro propagation and assessment of genetic fidelity in <i>Dioscorea deltoidea</i> , a potent diosgenin yielding endangered plant	2021	South African Journal of Botany	140	349	Article

Paliathanasis A., Leon G., Khyllep W., Dutta J., Pan S.	Interacting quintessence in light of generalized uncertainty principle: cosmological perturbations and dynamics	2021	European Physical Journal C	81		Article
Di Valentino E., Pan S., Yang W., Anchordoqui L.A.	Touch of neutrinos on the vacuum metamorphosis: Is the H0 solution back?	2021	Physical Review D	103		Article
Pakhira M., Chatterjee D.P., Mallick D., Ghosh R., Nandi A.K.	Reversible Stimuli-Dependent Aggregation-Induced Emission from a "nonfluorescent" Amphiphilic PVDF Graft Copolymer	2021	Langmuir	37	4953	Article
Yang W., Pan S., Saló L.A., De Haro J.	Theoretical and observational bounds on some interacting vacuum energy scenarios	2021	Physical Review D	103		Article
Mukhopadhyay U., Majumdar D., Datta K.K.	Probing interacting dark energy and scattering of baryons with dark matter in light of the EDGES 21-cm signal	2021	Physical Review D	103		Article
Barua A., Dey S.K., Sabyasachi S.K., Kumar S.	Structural and dielectric characterization of triple perovskites Ba3NiTaNbO9 and Ba3NiTaSbO9	2021	Journal of Alloys and Compounds	854		Article
Patra P., Kar G.K.	The synthesis, biological evaluation and fluorescence study of chromeno[4,3-b]pyridin/quinolin-one derivatives, the backbone of natural product polyneomarline C scaffolds: a brief review	2021	New Journal of Chemistry	45	2879	Review
Kundu P., Saha S., Gangopadhyay G.	Application of dynamic disorder approach to the temperature dependent non-exponential electron transfer kinetics in <i>Rhodopseudomonas viridis</i>	2021	Journal of Statistical Mechanics: Theory and Experiment	2019		Article
Das S., Patra N., Banerjee A., Das B., Ghosh S.	Studies on the self-aggregation, interfacial and thermodynamic properties of a surface active imidazolium-based ionic liquid in aqueous solution: Effects of salt and temperature	2020	Journal of Molecular Liquids	320		Article
Chatterjee D.P., Pakhira M., Nandi A.K.	Fluorescence in "nonfluorescent" Polymers	2020	ACS Omega	5	30747	Review
Khan M.A., Spicer R.A., Spicer T.E.V., Roy K., Hazra M., Hazra T., Mahato S., Kumar S., Bera S.	Dipterocarpus (Dipterocarpaceae) leaves from the K-Pg of India: a Cretaceous Gondwana presence of the Dipterocarpaceae	2020	Plant Systematics and Evolution	306		Article
Deb A., Grewal R.K., Roy S., Mitra D.	Residue interaction dynamics in <i>Vaucheria aureochrome1</i> light-oxygen-voltage: Bridging theory and experiments	2020	Proteins: Structure, Function and Bioinformatics	88	1660	Article
de Wildt L., Apperley T.H., Clemens J., Fordyce R., Mukherjee S.	(Re-)Orienting the Video Game Avatar	2020	Games and Culture	15	962	Article
Acharyya M.	Role of anisotropy to the compensation in the Blume-Capel trilayered ferrimagnet	2020	Superlattices and Microstructures	147		Article

Kaur P., Kumar V., Singh R., Dwivedi P., Dey A., Pandey D.K.	Biotechnological strategies for production of camptothecin from fungal and bacterial endophytes	2020	South African Journal of Botany	134	135	Article
Biswas D., Biswas P., Nandy S., Mukherjee A., Pandey D.K., Dey A.	Endophytes producing podophyllotoxin from <i>Podophyllum</i> sp. and other plants: A review on isolation, extraction and bottlenecks	2020	South African Journal of Botany	134	303	Article
Mukherjee A., Nandy A., Sil S., Chakrabarti A.	Engineering topological phase transition and Aharonov-Bohm caging in a flux-staggered lattice	2020	Journal of Physics Condensed Matter	33		Article
Bera A., Datta K.K., Samui S.	Primordial magnetic fields during the cosmic dawn in light of EDGES 21-cm signal	2020	Monthly Notices of the Royal Astronomical Society	498	918	Article
Yang W., Pan S., Mota D.F., Du M.	Forecast constraints on anisotropic stress in dark energy using gravitational waves	2020	Monthly Notices of the Royal Astronomical Society	497	879	Article
Seth R., Raychaudhury S.	Evolution of galaxies in groups in the Coma Supercluster	2020	Monthly Notices of the Royal Astronomical Society	497	466	Article
Halder A., Rom S., Ghosh A., Saha-Dasgupta T.	Prediction of the properties of the rare-earth magnets Ce ₂ Fe _{17-x} CoxCN: A combined machine-learning and ab initio study	2020	Physical Review Applied	14		Article
Hazra M., Hazra T., Spicer R.A., Sarkar S.K., Spicer T.E.V., Bera S., Ali Khan M.	In situ occurrence of a gall midge (Insecta, Diptera, Cecidomyiidae) on fossilized angiosperm leaf cuticle fragments from the Pliocene sediments of eastern India	2020	Journal of Asia-Pacific Entomology	23	762	Article
Mondal S., Patel P.P.	Implementing Vetiver grass-based riverbank protection programmes in rural West Bengal, India	2020	Natural Hazards	103	1051	Article
Kundu P., Saha S., Gangopadhyay G.	Stochastic Kinetic Approach to the Escape of DNA Hairpins from an α -Hemolysin Channel	2020	Journal of Physical Chemistry B	124	6575	Article
Sharifi-Rad J., Taheri Y., Ayatollahi S.A., Naderi N., Kumar N.V.A., Koirala N., Khadka S., Karazhan N., Shahinuzzaman M., Sen S., Acharya K., Dey A., Martorell M., Martins N.	Biological activities and health-promoting effects of Pyracantha genus: A key approach to the phytochemical's potential	2020	Cellular and Molecular Biology	66	20	Article
Haro J., Amorós J., Pan S.	Scaling solutions in quintessential inflation	2020	European Physical Journal C	80		Article

Mukherjee S., Maitra T., Pradhan A., Bhunia S., Nayak A.	Probing bias and power dependency of high-performance broadband Mg/ZnSnP ₂ /Sn back-to-back Schottky junction photodetectors	2020	Solar Energy Materials and Solar Cells	208		Article
Sarkar K., Khajanchi S., Chandra Mali P., Nieto J.J.	Rich Dynamics of a Predator-Prey System with Different Kinds of Functional Responses	2020	Complexity	2020		Article
Pal S., Pal K., Mukherjee S., Bera D., Karmakar P., Sukhen D.	Green cardamom mediated phytosynthesis of ZnONPs and validation of its antibacterial and anticancerous potential	2020	Materials Research Express	7		Article
Dhali M.K., Ayaz S., Sahana M., Guha S.	Response of sediment flux, bridge scouring on river bed morphology and geomorphic resilience in middle-lower part of river Chel, Eastern Himalayan foothills zone, India	2020	Ecological Engineering	142		Article
Ray D., Das B.	Micellization of Ionic Liquid Surfactants Induced by Sodium Polystyrenesulfonate in Aqueous Solutions	2019	Journal of Solution Chemistry	48	1576	Article
Chakraborti T.M., Ray A., Deb G.K.	Reappraisal of the 'early proterozoic gabbro-anorthosite suite' rocks from the eastern Singhbhum craton, India: Insights from field features, petrography–mineralogy and geochemistry	2019	Journal of Earth System Science	128		Article
Mukherjee S., Mukherjee S., Pradhan A., Maitra T., Sengupta S., Chakrabarti S., Nayak A., Bhunia S.	Carrier transport and recombination dynamics of InAs/GaAs sub-monolayer quantum dot near infrared photodetector	2019	Journal of Physics D: Applied Physics	52		Article
Ghosh M., Mandal S.	Living with Nematode: an Epibiont <i>Trematosoma rotunda</i> Associated with Basibiont <i>Desmodora scaldensis</i> from Matla Estuary, Sundarbans, India	2019	Thalassas	35	619	Article
Ghosh M., Mandal S.	Does vertical distribution of meiobenthic community structure differ among various mangrove habitats of Sundarban Estuarine System?	2019	Regional Studies in Marine Science	31		Article
Chakraborty K., Ray A., Chatterjee A., Deb G.K., Das K.	Neoproterozoic granitic activity in syn-collisional setting: Insight from petrology, geochemistry, and zircon–monazite geochronology of S-type granites of the Chotanagpur Granite Gneissic Complex, eastern India	2019	Geological Journal	54	3112	Article
Paul S., Ghanti R., Sardar P.S., Majhi A.	Synthesis of a novel coumarin derivative and its binding interaction with serum albumins	2019	Chemistry of Heterocyclic Compounds	55	607	Article
Majumdar P., Ray A.	Maxwell electrodynamics in terms of physical potentials	2019	Symmetry	11		Article

Halder S., Bhattacharya S., Chakraborty S.	Spherically symmetric wormhole solutions in a general anisotropic matter field	2019	Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics	791	270	Article
Sarkar S.	What Should “Biodiversity” Be?	2019	History, Philosophy and Theory of the Life Sciences	24	375	Book Chapter
Rai M.	The Indian constituent assembly and the making of Hindus and Muslims in Jammu and Kashmir	2018	Asian Affairs	49	205	Article
Chakrabarti U.	The Problem of Property: Local Histories and Political-Economic Categories in British India	2018	Journal of the Economic and Social History of the Orient	61	1005	Review
Sanyal J., Roychowdhury K.	Tracking the relationship between changing skyline and population growth of an Indian megacity using earth observation technology	2017	Geocarto International	32	1421	Article
Sadhukhan B., Nayak A., Mookerjee A.	Effect of random vacancies on the electronic properties of graphene and T graphene: a theoretical approach	2017	Indian Journal of Physics	91	1541	Article
Das K., Tomioka N., Bose S., Ando J.-I., Ohnishi I.	The occurrence of fluor-wagnerite in UHT granulites and its implications towards understanding fluid regimes in the evolution of deep crust: a case study from the Eastern Ghats Belt, India	2017	Mineralogy and Petrology	111	417	Article
Dutta S., Akther J., De S.	Few layered MoO ₃ nano sheets-SWCNT composite thin film as supercapacitor electrode	2017	AIP Conference Proceedings	1832		Conference Paper
Dey A.	Natural Products against Huntington's Disease (HD): Implications of Neurotoxic Animal Models and Transgenics in Preclinical Studies	2017	Neuroprotective Natural Products: Clinical Aspects and Mode of Action		185	Book Chapter
Pandge M.B., Bagchi J., Sonkamble S.S., Parekh V., Patil M.K., Dabhade P., Navale N.R., Raychaudhury S., Jacob J.	MACS J0553.4-3342: A young merging galaxy cluster caught through the eyes of Chandra and HST	2017	Monthly Notices of the Royal Astronomical Society	472	2042	Article
Khan A., Chatterjee S., Bisai D.	Air temperature variability and trend analysis by non-parametric test for Kolkata observatory, West Bengal, India	2017	Indian Journal of Geo-Marine Sciences	46	966	Article
Tamang P., Jana S.K.	Willingness to Pay for Improved Water Services: A Case of Darjeeling, India	2017	Asian Journal of Water, Environment and Pollution	14	51	Article

Chakraborty S., Pramanik S., Follmann A., Giri B., Mondal B., Patel P.P., Maity I., Das J., Punia M., Sahana M.	Dominant urban form and its relation to nighttime land surface temperature in the rapidly urbanizing National Capital Region of India	2021	Urban Climate	40		Article
Basak M., Dutta S., Biswas S., Chakraborty S., Sarkar A., Rahaman T., Dey S., Biswas P., Das M.	Genomic insights into growth and development of bamboos: what have we learnt and what more to discover?	2021	Trees - Structure and Function	35	1771	Review
Paul S., Chakraborty S., Anand U., Dey S., Nandy S., Ghorai M., Saha S.C., Patil M.T., Kandimalla R., Proćkow J., Dey A.	Withania somnifera (L.) Dunal (Ashwagandha): A comprehensive review on ethnopharmacology, pharmacotherapeutics, biomedicinal and toxicological aspects	2021	Biomedicine and Pharmacotherapy	143		Review
Jayaprakash K., Manokari M., Badhepuri M.K., Raj M.C., Dey A., Shekhawat M.S.	Influence of meta-topolin on in vitro propagation and foliar micro-morpho-anatomical developments of <i>Oxystelma esculentum</i> (L.f.) Sm	2021	Plant Cell, Tissue and Organ Culture	147	325	Article
Maity S., Banerjee S., Biswas C., Guchhait R., Chatterjee A., Pramanick K.	Functional interplay between plastic polymers and microbes: a comprehensive review	2021	Biodegradation	32	487	Review
Sardar M., Khajanchi S., Biswas S., Abdelwahab S.F., Nisar K.S.	Exploring the dynamics of a tumor-immune interplay with time delay	2021	Alexandria Engineering Journal	60	4875	Article
Bhattacharyya N., Pandey V., Bhattacharyya M., Dey A.	Regulatory role of long non coding RNAs (lncRNAs) in neurological disorders: From novel biomarkers to promising therapeutic strategies	2021	Asian Journal of Pharmaceutical Sciences	16	533	Review
Mukherjee N., Mukherjee C.	Germ cell ribonucleoprotein granules in different clades of life: From insects to mammals	2021	Wiley Interdisciplinary Reviews: RNA	12		Review
Biswas M., Paul A.	Application of geomorphic indices to Address the foreland Himalayan tectonics and landform deformation- Matiali-Chalsa- Baradighi recess, West Bengal, India	2021	Quaternary International	585	3	Article
Yin Q., Li Y., Marchesoni F., Debnath D., Ghosh P.K.	Excess Diffusion of a Driven Colloidal Particle in a Convection Array	2021	Chinese Physics Letters	38		Article
Nazir R., Kumar V., Dey A., Pandey D.K.	HPTLC quantification of diosgenin in <i>Dioscorea deltoidea</i> : Evaluation of extraction efficacy, organ selection, drying method and seasonal variation	2021	South African Journal of Botany	138	386	Article
Naskar M., Acharyya M.	Metastability in graded and step like variation of field and anisotropy of the Blume-Capel ferromagnet	2021	Physica A: Statistical Mechanics and its Applications	568		Article

Dey A., Nandy S., Mukherjee A., Modak B.K.	Sustainable utilization of medicinal plants and conservation strategies practiced by the aborigines of Purulia district, India: a case study on therapeutics used against some tropical otorhinolaryngologic and ophthalmic disorders	2021	Environment, Development and Sustainability	23	5576	Article
Chakrabarti K., Mukhopadhyay J., Ghosh G., Bhatt A.K., Sinha D.K.	Transition from alluvial to wave-tide-dominated Meso-Neoarchean shelf sedimentation in the Mankarchua Quartzite, Singhbhum craton, eastern India	2021	Precambrian Research	354		Article
Dey A., Hazra A.K., Mukherjee A., Nandy S., Pandey D.K.	Chemotaxonomy of the ethnic antidote Aristolochia indica for aristolochic acid content: Implications of anti-phospholipase activity and genotoxicity study	2021	Journal of Ethnopharmacology	266		Article
Dutta T., Anand U., Saha S.C., Mane A.B., Prasanth D.A., Kandimalla R., Proćkow J., Dey A.	Advancing urban ethnopharmacology: A modern concept of sustainability, conservation and cross-cultural adaptations of medicinal plant lore <u>in the urban environment</u>	2021	Conservation Physiology	9		Review
Sardar M., Khajanchi S.	Is the allee effect relevant to stochastic cancer model?	2021	Journal of Applied Mathematics and Computing			Article
Yin Q., Li Y., Li B., Marchesoni F., Nayak S., Ghosh P.K.	Diffusion transients in convection rolls	2021	Journal of Fluid Mechanics	912		Article
Dey Sarkar R., Sinha S., Biswas N.	Manipulation of Inflammasome: A Promising Approach Towards Immunotherapy of Lung Cancer	2021	International Reviews of Immunology	40	171	Review
Naskar M., Acharyya M.	Anisotropy-driven reversal of magnetisation in Blume–Capel ferromagnet: a Monte Carlo study	2021	European Physical Journal B	94		Article
Laconsay C.J., Mallick D., Shaik S.	External Electric Fields Interrupt the Concerted Cope Rearrangement of Semibullvalene	2021	Journal of Organic Chemistry	86	731	Article
Bhowmik M., Mandal S.	Do seasonal dynamics influence traits and composition of macrobenthic assemblages of Sundarbans Estuarine System, India?	2021	Oceanologia	63	80	Article
De S.	Alluvial fan to shallow marine sedimentation record in the ~3.0 Ga Keonjhar Quartzite, Singhbhum Craton, India: An example of Phanerozoic style passive margin sedimentation from the Mesoarchean	2021	Precambrian Research	352		Article

Dutta K., Mukherjee R., Das R., Chowdhury A., Sen D., Sahu S.	Scheduled optimal sleep duration and screen exposure time promotes cognitive performance and healthy BMI: a study among rural school children of India	2021	Biological Rhythm Research	52	1501	Article
Dey A., Hazra A.K., Nandy S., Kaur P., Pandey D.K.	Selection of elite germplasms for industrially viable medicinal crop Bacopa monnieri for bacoside A production: An HPTLC-coupled chemotaxonomic study	2020	Industrial Crops and Products	158		Article
Kundu A., Ganesan M.	GhMATE1 expression regulates Aluminum tolerance of cotton and overexpression of GhMATE1 enhances acid soil tolerance of <i>Arabidopsis</i>	2020	Current Plant Biology	24		Article
Halder P., Khatun S., Majumder S.	Freeing the brake: Proliferation needs primary cilium to disassemble	2020	Journal of Biosciences	45		Review
Zalenski A.A., Majumder S., De K., Venere M.	An interphase pool of KIF11 localizes at the basal bodies of primary cilia and a reduction in KIF11 expression alters cilia dynamics	2020	Scientific Reports	10		Article
Jodder J.	miRNA-mediated regulation of auxin signaling pathway during plant development and stress responses	2020	Journal of Biosciences	45		Review
Dey A., Nandy S., Mukherjee A., Pandey D.K.	Plant Natural Products as Neuroprotective Nutraceuticals: Preclinical and Clinical Studies and Future Implications	2020	Proceedings of the National Academy of Sciences India Section B - Biological Sciences	90	929	Review
Ghosh S., Mondal A.	Aggregation chemistry of green silver nanoparticles for sensing of Hg ²⁺ and Cd ²⁺ ions	2020	Colloids and Surfaces A: Physicochemical and Engineering Aspects	605		Article
Ray A., Gautam A., Das S., Pal K., Das S., Karmakar P., Ray M., Ray S.	Effects of copper oxide nanoparticle on gill filtration rate, respiration rate, hemocyte associated immune parameters and oxidative status of an Indian freshwater mussel	2020	Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology	237		Article
Pandit N.R., Bej S., Mondal A., Ghosh M., Kostakis G.E., Powell A.K., Banerjee P., Biswas B.	Exploratory studies on azido-bridged complexes (Ni ²⁺ and Mn ²⁺) as dual colourimetric chemosensors for S ²⁻ and Ag ⁺ : Combined experimental and theoretical outcomes with real field applications	2020	Dalton Transactions	49	13090	Article

Bose S., Das K., Torimoto J., Dunkley D.	Origin of orthopyroxene-bearing felsic gneiss from the perspective of ultrahigh-temperature metamorphism: An example from the Chilka Lake migmatite complex, Eastern Ghats Belt, India	2020	Mineralogical Magazine	84	712	Article
Chaudhuri D., Datta J., Majumder S., Giri K.	In silico designing of peptide based vaccine for Hepatitis viruses using reverse vaccinology approach	2020	Infection, Genetics and Evolution	84		Article
Pal D.K., Agrawal A., Ghosh S., Ghosh A.	Association of arsenic with recurrence of urinary bladder cancer	2020	Tropical Doctor	50	325	Article
Kundu P., Saha S., Gangopadhyay G.	An Exactly Solvable Stochastic Kinetic Theory of Single-Molecule Force Experiments	2020	Journal of Physical Chemistry B	124	7735	Article
Gautam A., Ray A., Manna S., Sarkar M.P., Ghosh A.R., Ray M., Ray S.	Shift in phagocytosis, lysosomal stability, lysozyme activity, apoptosis and cell cycle profile in the coelomocytes of earthworm of polluted soil near a tannery field of India	2020	Ecotoxicology and Environmental Safety	200		Article
Pandey D.K., Chaudhary R., Dey A., Nandy S., Banik R.M., Malik T., Dwivedi P.	Current knowledge of Cinnamomum species: A review on the bioactive components, pharmacological properties, analytical and biotechnological studies	2020	Bioactive Natural Products in Drug Discovery		127	Book Chapter
Kaur P., Pandey D.K., Dey A., Dwivedi P., Malik T., Gupta R.C.	Swertia spp.: A potential source of high-value bioactive components, pharmacology, and analytical techniques	2020	Bioactive Natural Products in Drug Discovery		165	Book Chapter
Kundu P., Saha S., Gangopadhyay G.	Kinetics of escape of ssDNA molecules from α -hemolysin nanopores: a dynamic disorder study	2020	Journal of Statistical Mechanics: Theory and Experiment	2020		Article
Ghosh S., Bose S., Mandal N., Laik A.	Mid-crustal ramping of the Main Himalayan Thrust in Nepal to Bhutan Himalaya: New insights from analogue and numerical experiments	2020	Tectonophysics	782-783		Article
Maity S., Bhakta S., Bhowmik M., Sircar G., Bhattacharya S.G.	Identification, cloning, and immunological studies on a major eggplant (<i>Solanum melongena</i> L.) allergen Sola m 1: A new member of profilin allergen family	2020	Molecular Immunology	118	210	Article
Kar Chowdhury R., Chatterjee S., Lonappan A.I., Khandai N., Di Matteo T.	Cosmological Simulation of Galaxy Groups and Clusters. I. Global Effect of Feedback from Active Galactic Nuclei	2020	Astrophysical Journal	889		Article
Das P., Husain Z., Ghosh S.	Fertility behaviour in linguistic zones: revisiting the diffusion hypothesis in greater Bengal	2020	Asian Population Studies	16	34	Article

Banerji S., Biswas M., Mitra D.	Semi-quantitative analysis of land use homogeneity and spatial distribution of individual ecological footprint in selected areas of Eastern fringes of Kolkata, West Bengal	2020	Geocarto International	35	78	Article
Ahmad I., Mondal M.E.A., Rahaman S., Bhutani R., Satyanarayanan M.	Archean granitoids of the aravalli craton, northwest india	2020	Geological Society Special Publication	489	215	Book Chapter
Chandra Shekharaiyah P.S., Sanyal D., Dasgupta S., Sapre A., Banik A.	Heavy Metal Mitigation with Special Reference to Bioremediation by Mixotrophic Algae-Bacterial Protocooperation	2020	Nanotechnology in the Life Sciences		305	Book Chapter
Roy B., Giri B.C.	A three-echelon supply chain model with price and two-level quality dependent demand	2020	RAIRO - Operations Research	54	37	Article
Santra S., Das B.	Counterion-binding and related phenomena in sodium alginate-sodium chloride-water ternary systems: A conductometric study	2019	Journal of Molecular Liquids	296		Article
Dasgupta P., Ray A., Chakraborti T.M.	Geochemical characterisation of the Neoarchaean newer dolerite dykes of the Bahalda region, Singhbhum craton, Odisha, India: Implication for petrogenesis	2019	Journal of Earth System Science	128		Article
Mukherjee S., Pradhan A., Maitra T., Sengupta S., Chakrabarti S., Nayak A., Bhunia S.	Carrier escape mechanism in laterally correlated InAs sub-monolayer quantum dots using temperature dependent photoluminescence	2019	Journal of Luminescence	215		Article
Pradhan A., Mukherjee S., Maitra T., Nayak A., Bhunia S.	Improved spectral and temporal response of MSM photodetectors fabricated on MOCVD grown spontaneous AlGaAs superlattice	2019	Sensors and Actuators, A: Physical	297		Article
Mondal A.K., Bose S.	Evolution of fluid from the ultrahigh temperature lower crust to shallower levels: Constraints from silicate–oxide–sulphide–sulphate assemblages of mafic granulites of the Eastern Ghats Belt, India	2019	Journal of Earth System Science	128		Article
Chakrabarti A.	Electronic states and charge transport in a class of low dimensional structured systems	2019	Physica E: Low-Dimensional Systems and Nanostructures	114		Review
Shilina Y., Maddukuri S., Banerjee A., Ziv B., Luski S., Aurbach D., Halalay I.C.	LNMO-Graphite Cells Performance Enhancement by the Use of Acid Scavenging Separators	2019	ChemElectroChem	6	3690	Article

Sheet D., Bera A., Fu Y., Desmecht A., Riant O., Hermans S.	Carbon-Nanotube-Appended PAMAM Dendrimers Bearing Iron(II) α -Keto Acid Complexes: Catalytic Non-Heme Oxygenase Models	2019	Chemistry - A European Journal	25	9191	Article
Sarkar A., Samui S.	On the star formation efficiency in high-redshift $\text{Ly}\alpha$ emitters	2019	Publications of the Astronomical Society of the Pacific	131		Article
Debnath T., Ghosh P.K., Li Y., Marchesoni F., Nori F.	Active diffusion limited reactions	2019	Journal of Chemical Physics	150		Article
Ghosh A., Paul S., Bhattacharya S., Sasikumar P., Biswas K., Ghosh U.C.	Calcium ion incorporated hydrous iron(III) oxide: synthesis, characterization, and property exploitation towards water remediation from arsenite and fluoride	2019	Environmental Science and Pollution Research	26	4618	Article
Mukherjee S., Bhattacharjee A., Chatterjee S., Newman J.A., Yan R.	X-Ray Surface Brightness Profiles of Optically Selected Active Galactic Nuclei: Comparison with X-Ray AGNs	2019	Astrophysical Journal	872		Article
Dasgupta D., Kundu A., De K., Dasgupta N.	Polygonal Impact Craters in the Thaumasia Minor, Mars: Role of Pre-existing Faults in Their Formation	2019	Journal of the Indian Society of Remote Sensing	47	257	Article
Ray A., Maity P., Majumdar P.	Background gravity correction to the limiting mass of white dwarfs	2019	European Physical Journal C	79		Article
Pradhan A., Mukherjee S., Maitra T., Nayak A., Bhunia S.	Interface intermixing and interdiffusion characteristics in MOVPE grown spontaneous Al x Ga 1-x As/GaAs (100) superlattice structures using high resolution X-ray diffraction	2019	Superlattices and Microstructures	126	193	Article
Paul T., Banerjee A., Reddy S.V.B., Mahato S.K., Biswas N.	Hydroxychavicol sensitizes imatinib-resistant chronic myelogenous leukemia cells to TRAIL-induced apoptosis by ROS-mediated IAP downregulation	2019	Anti-Cancer Drugs	30	167	Article
Ghosh S., Mukhopadhyay J., Chakraborty A.	Clay mineral and geochemical proxies for intense climate change in the permian gondwana rock record from eastern India	2019	Research	2019		Article
Pramanik J., Adhikari A.	Ramp secret sharing with cheater identification in presence of rushing cheaters	2019	Groups, Complexity, Cryptology			Article
Paul A., Biswas M.	Changes in river bed terrain and its impact on flood propagation—a case study of River Jayanti, West Bengal, India	2019	Geomatics, Natural Hazards and Risk	10	1928	Article
Chakraborty S., Dutta S., Biswas P., Das M.	Identification of candidate reference genes in tropical bamboos stable across species, tissues, and developmental stages	2019	Biologia Plantarum	63	253	Article

Ghosh K., Dhara S., Jana S., Das S., Roy S.	NHC stabilized Pd nanoclusters in the Mizoroki-Heck reaction within microemulsion: exploring the role of imidazolium salt in rate enhancement	2019	New Journal of Chemistry	43	1993	Article
Rajbanshi S., Raut R., Pai H., Ali S., Goswami A., Bhattacharyya S., Mukherjee G., Bhowmik R.K., Muralithar S., Singh R.P., Gangopadhyay G., Kumar Raju M., Singh P.	Extremely asymmetric shears band in Sm 143	2018	Physical Review C	98		Article
Mandal S., Deb S.	Ancistrosyllis matlaensis n. Sp. (Polychaeta: Pilargidae) from the Sundarban estuarine system, India	2018	Zootaxa	4531	419	Article
Guchhait R., Chatterjee A., Mukherjee D., Pramanick K.	Seasonal ovarian development in relation to the gonadotropins, steroids, aromatase and steroidogenic factor 1 (SF-1) in the banded gourami, Trichogaster fasciata	2018	General and Comparative Endocrinology	268	40	Article
Ghosh B., Das P., Sarkar D.P., Ghosh G., Mukhopadhyay J., Ando J.-I.	Coalescing microstructure and fabric transitions with AMS data in deformed limestone: Implications on deformation kinematics	2018	Journal of Structural Geology	114	294	Article
Bonomi R., Popov V., Laws M.T., Gelovani D., Majhi A., Shavrin A., Lu X., Muzik O., Turkman N., Liu R., Mangner T., Gelovani J.G.	Molecular Imaging of Sirtuin1 Expression-Activity in Rat Brain Using Positron-Emission Tomography-Magnetic-Resonance Imaging with [18F]-2-Fluorobenzoylaminohexanoicanilide	2018	Journal of Medicinal Chemistry	61	7116	Article
Dutta S., Pal S., De S.	One-dimensional α -MoO ₃ nanorods for high energy density pseudocapacitor	2018	AIP Conference Proceedings	1942		Conference Paper
Mukherjee S., Pradhan A., Mukherje S., Maitra T., Sengupta S., Chakrabarti S., Nayak A., Bhunia S.	Growth and characterization of InAs sub-monolayer quantum dots with varying fractional coverage	2018	AIP Conference Proceedings	1942		Conference Paper
Das S.G., Chakraborty H.J., Datta A.	PremipreD: Precursor miRNA prediction by support vector machine approach	2018	Trends in Bioinformatics	11	17	Article
Bhattacharya S., Halder S., Chakraborty S.	Evolving cosmic scenario in modified Chaplygin gas with adiabatic matter creation	2018	Annals of Physics	388	443	Article
Sadhukhan B., Nayak A., Mookerjee A.	Effect of disorder on the optical response of NiPt and Ni ₃ Pt alloys	2017	Computational Materials Science	140	1	Article
Maity S., Pakhira B., Ghosh S., Saha R., Sarkar R., Barui A., Sarkar S.	Microcarbon-based facial creams activate aerial oxygen under light to reactive oxygen species damaging cell	2017	Applied Nanoscience (Switzerland)	7	607	Article

Das S., Islam M.	Hindu pilgrimage in India and walkability: Theory and praxis	2017	The Routledge International Handbook of Walking		242	Book Chapter
Saha S., Mishra A., Padmanaban E., Bhowmick S.K., Roy P.K., Dam B., Dana S.K.	Coupling conditions for globally stable and robust synchrony of chaotic systems	2017	Physical Review E	95		Article
Datta S., Sadhukhan B., Chaudhuri C.B., Chakrabarty S., Mookerjee A.	Increased metallicity of Carbon nanotubes because of incorporation of extended Stone-Wales' defects: an ab-initio real space approach	2017	Indian Journal of Physics	91	269	Article
Mukherjee S.	Ismailism and Islam in modern South Asia: Community and identity in the age of religious internationals	2017	Ismailism and Islam in Modern South Asia: Community and Identity in the Age of Religious Internationals		1	Book
Mishra M., Chatterjee S.	School dropout susceptibility mapping with fuzzy logic – a study in the district of Purulia, India	2017	Human Geographies	11	111	Article
Haldar I., Nayak A.	Dielectric relaxation and room temperature magnetoresistance under low magnetic field in polypyrrole-BaTiO ₃ hybrid nanocomposites	2017	Journal of Nanoscience and Nanotechnology	17	4658	Article
Gayen R.N., Laha P.	Single-step synthesis and optical properties of bimetallic Fe-Ag nanoparticles	2017	Journal of Nanoscience and Nanotechnology	17	666	Article
Bag S., Mondal A., Majumder A., Banik A.	Tea and its phytochemicals: Hidden health benefits & modulation of signaling cascade by phytochemicals	2022	Food Chemistry	371		Article
Hazra T., Hazra M., Spicer R.A., Spicer T.E.V., Mahato S., Bera S., Kumar S., Ali Khan M.	Pliocene Albizia (Fabaceae) from Jharkhand, eastern India: reappraisal of its biogeography during the Cenozoic in Southeast Asia	2022	Palaeoworld	31	153	Article
Bandopadhyay S., Anand U., Gadekar V.S., Jha N.K., Gupta P.K., Behl T., Kumar M., Radha, Shekhawat M.S., Dey A.	Dioscin: A review on pharmacological properties and therapeutic values	2022	BioFactors	48	22	Review
Mitra S., Anand U., Sanyal R., Jha N.K., Behl T., Mundhra A., Ghosh A., Radha, Kumar M., Proćkow J., Dey A.	Neoechinulins: Molecular, cellular, and functional attributes as promising therapeutics against cancer and other human diseases	2022	Biomedicine and Pharmacotherapy	145		Review
Biswas S., Sarkar A., Kharlyngdoh E., Somkuwar B.G., Biswas P., Dutta S., Guha S., Das M.	Evidence of stress induced flowering in bamboo and comments on probable biochemical and molecular factors	2021	Journal of Plant Biochemistry and Biotechnology	30	1020	Article

Rajbanshi J., Das S.	The variability and teleconnections of meteorological drought in the Indian summer monsoon season: Implications for staple crop production	2021	Journal of Hydrology	603		Article
Kumar P., Tiwari P., Singh A., Biswas A., Acharya T.	Electrical Resistivity and Induced Polarization signatures to delineate the near-surface aquifers contaminated with seawater invasion in Digha, West-Bengal, India	2021	Catena	207		Article
M. M., Mehta S.R., S. P., Badhepuri M.K., Dulam S., K. J., M. C.R., Dey A., Rajput B.S., Shekhawat M.S.	Meta-Topolin mediated improved micropropagation, foliar micro-morphological traits, biochemical profiling, and assessment of genetic fidelity in <i>Santalum album</i> L.	2021	Industrial Crops and Products	171		Article
Kumar Das S., Gangopadhyay K., Ghosh A., Biswas O., Bera S., Ghosh P., Paruya D.K., Naskar N., Mani D., MS K., Yoshida K.	Organic geochemical and palaeobotanical reconstruction of a late-Holocene archaeological settlement in coastal eastern India	2021	Holocene	31	1511	Article
Sarkar S., Dey A., Kumar V., Batiha G.E.-S., El-Esawi M.A., Tomczyk M., Ray P.	Fungal Endophyte: An Interactive Endosymbiont With the Capability of Modulating Host Physiology in Myriad Ways	2021	Frontiers in Plant Science	12		Review
Prakash S., Radha, Kumar M., Kumari N., Thakur M., Rathour S., Pundir A., Sharma A.K., Bangar S.P., Dhumal S., Singh S., Thiagarajan A., Sharma A., Sharma M., Changan S., Sasi M., Senapathy M., Pradhan P.C., Garg N.K., Ilakiya T., Nitin M., Abdel-Daim M.M., Puri S., Natta S., Dey A., Amarowicz R., Mekhemar M.	Plant-based antioxidant extracts and compounds in the management of oral cancer	2021	Antioxidants	10		Review
Purushanahalli Shivagangaiah C., Sanyal D., Dasgupta S., Banik A.	Phycoremediation and photosynthetic toxicity assessment of lead by two freshwater microalgae <i>Scenedesmus acutus</i> and <i>Chlorella pyrenoidosa</i>	2021	Physiologia Plantarum	173	246	Article
Chakraborti T.M., Kimura K., Ray A., Kumar Deb G., Chakrabarti R.	Geochemical, Sr-Nd isotopic and U-Pb zircon study of 1.88 Ga gabbro-wehrlite from north-eastern Singhbum Craton, India: Vestiges of Precambrian oceanic crust?	2021	Precambrian Research	362		Article

Rajbanshi J., Das S.	Changes in carbon stocks and its economic valuation under a changing land use pattern—A multitemporal study in Konar catchment, India	2021	Land Degradation and Development	32	3573	Article
Palit P., Mukhopadhyay A., Chattopadhyay D.	Phyto-pharmacological perspective of Silymarin: A potential prophylactic or therapeutic agent for COVID-19, based on its promising immunomodulatory, anti-coagulant and anti-viral property	2021	Phytotherapy Research	35	4246	Review
Chaudhuri D., Majumder S., Datta J., Giri K.	In Silico Study of Mutational Stability of SARS-CoV-2 Proteins	2021	Protein Journal	40	328	Article
Nandy S., Hazra A.K., Pandey D.K., Ray P., Dey A.	Elicitation of industrially promising vanillin type aromatic compound 2-hydroxy 4-methoxy benzaldehyde (MBAID) yield in the in-vitro raised medicinal crop Hemidesmus indicus (L) R. Br. by methyl jasmonate and salicylic acid	2021	Industrial Crops and Products	164		Article
Saha D., Bachhar P., Deb G.K., Patranabis-Deb S., Banerjee A.	Tectonic evolution of the Paleoarchean to Mesoarchean Badampahar-Gorumahisani belt, Singhbhum craton, India – Implications for coexisting arc and plume signatures in a granite-greenstone terrain	2021	Precambrian Research	357		Article
Vatansever E., Acharyya M.	Nonequilibrium multiple transitions in the core-shell Ising nanoparticles driven by randomly varying magnetic fields	2021	Journal of Magnetism and Magnetic Materials	527		Article
Tiwari P.K., Singh R.K., Khajanchi S., Kang Y., Misra A.K.	A mathematical model to restore water quality in urban lakes using phoslock	2021	Discrete and Continuous Dynamical Systems - Series B	26	3143	Article
Dey S., Paul S., Nag A., Banerjee R., Gopal G., Mukherjee A., Kundu R.	Iron-pulsing, a novel seed invigoration technique to enhance crop yield in rice: A journey from lab to field aiming towards sustainable agriculture	2021	Science of the Total Environment	769		Article
Samanta K., Patra P., Kar G.K., Dinda S.K., Mahanty D.S.	Diverse synthesis of pyrrolo/indolo[3,2:-C] coumarins as isolamellarin-A scaffolds: A brief update	2021	New Journal of Chemistry	45	7450	Review
Bhatia H., Khan M.A., Srivastava G., Hazra T., Spicer R.A., Hazra M., Mehrotra R.C., Spicer T.E.V., Bera S., Roy K.	Late Cretaceous–Paleogene Indian monsoon climate vis-à-vis movement of the Indian plate, and the birth of the South Asian Monsoon	2021	Gondwana Research	93	89	Article
Jodder J.	Regulation of pri-MIRNA processing: mechanistic insights into the miRNA homeostasis in plant	2021	Plant Cell Reports	40	783	Review

Tikendra L., Potshangbam A.M., Amom T., Dey A., Nongdam P.	Understanding the genetic diversity and population structure of <i>Dendrobium chrysotoxum</i> Lindl.- An endangered medicinal orchid and implication for its conservation	2021	South African Journal of Botany	138	364	Article
Hammar E.L., de Wildt L., Mukherjee S., Pelletier C.	Politics of Production: Videogames 10 years after Games of Empire	2021	Games and Culture	16	287	Article
Basu A., Roy N., Choudhuri S., Datta K.K., Sarkar D.	Stringent constraint on the radio signal from dark matter annihilation in dwarf spheroidal galaxies using the TGSS	2021	Monthly Notices of the Royal Astronomical Society	502	1605	Article
Li Y., Yin Q., Marchesoni F., Debnath T., Ghosh P.K.	Advection-enhanced diffusion in biased convection arrays	2021	Physical Review E	103		Article
Tikendra L., Potshangbam A.M., Dey A., Devi T.R., Sahoo M.R., Nongdam P.	RAPD, ISSR, and SCoT markers based genetic stability assessment of micropropagated <i>Dendrobium fimbriatum</i> Lindl. var. <i>oculatum</i> Hk. f.- an important endangered orchid	2021	Physiology and Molecular Biology of Plants	27	341	Article
Ganguly P., Ghosh G., Bose S., Das K.	Polyphase deformation and ultrahigh temperature metamorphism of the deep continental crust: Implications for tectonic evolution of the northern Eastern Ghats Belt, India	2021	Journal of Structural Geology	143		Article
Dey A.	CRISPR/Cas genome editing to optimize pharmacologically active plant natural products	2021	Pharmacological Research	164		Review
Baag S., Mahapatra S., Mandal S.	An Integrated and Multibiomarker approach to delineate oxidative stress status of <i>Bellamya bengalensis</i> under the interactions of elevated temperature and chlorpyrifos contamination	2021	Chemosphere	264		Article
Mondal P., Sengupta P., Pal U., Saha S., Bose A.	Biophysical and theoretical studies of the interaction between a bioactive compound 3,5-dimethoxy-4-hydroxycinnamic acid with calf thymus DNA	2021	Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy	245		Article
Karali A., Das S., Roy H.	Forty years of the rural tourism research: reviewing the trend, pattern and future agenda	2021	Tourism Recreation Research			Article
Chandra S.	Thermodynamic behaviour of magnetocaloric quantities in spin-1/2 Ising square trilayer	2021	European Physical Journal B	94		Article
Ghosh M., Mandal S.	Deciphering the synergistic impact of elevated temperature and oil pollution on meiobenthic community structure: A benthocosm study	2021	Ecotoxicology and Environmental Safety	207		Article

Kundu P., Saha S., Gangopadhyay G.	Kinetics of Allosteric Inhibition of Single Enzyme by Product Molecules	2020	Journal of Physical Chemistry B	124	11793	Article
Dolai M., Saha U., Biswas S., Chatterjee S., Suresh Kumar G.	DNA intercalative trinuclear Cu(ii) complex with new: Trans axial nitrate ligation as an efficient catalyst for atmospheric CO ₂ fixation to epoxides	2020	CrystEngComm	22	8374	Article
Sahana M., Rehman S., Patel P.P., Dou J., Hong H., Sajjad H.	Assessing the degree of soil salinity in the Indian Sundarban Biosphere Reserve using measured soil electrical conductivity and remote sensing data-derived salinity indices	2020	Arabian Journal of Geosciences	13		Article
Mukhopadhyay B.P., Barua S., Bera A., Mitra A.K.	Study on the Quality of Groundwater and its Impact on Human Health: A Case Study from Murshidabad District, West Bengal	2020	Journal of the Geological Society of India	96	597	Article
Khan M.A., Hazra M., Mahato S., Spicer R.A., Roy K., Hazra T., Bandopadhyaya M., Spicer T.E.V., Bera S.	A Cretaceous Gondwana origin of the wax palm subfamily (Ceroxyloideae: Arecaceae) and its paleobiogeographic context	2020	Review of Palaeobotany and Palynology	283		Article
Basu M., Chakraborty B., Ghosh S., Samadder S., Dutta S., Roy A., Pal D.K., Ghosh A., Panda C.K.	Divergent molecular profile of PIK3CA gene in arsenic-associated bladder carcinoma	2020	Mutagenesis	35	499	Article
Modak B.K., Gorai P., Pandey D.K., Dey A., Malik T.	An evidence based efficacy and safety assessment of the ethnobiologicals against poisonous and non-poisonous bites used by the tribals of three westernmost districts of West Bengal, India: Anti-phospholipase A2 and genotoxic effects	2020	PLoS ONE	15		Article
Datta K.K., Kundu A., Paul A., Bera A.	Cosmic recombination history in light of EDGES measurements of the cosmic dawn 21-cm signal	2020	Physical Review D	102		Article
Giacomini A., Leon G., Paliathanasis A., Pan S.	Dynamics of quintessence in generalized uncertainty principle	2020	European Physical Journal C	80		Article
Nandy S., Singh J., Pandey D.K., Dey A.	Hemidesmus indicus L. Br.: critical assessment of in vitro biotechnological advancements and perspectives	2020	Applied Microbiology and Biotechnology	104	8517	Review

Ray P., Pai H., Ali S., Mukherjee A., Goswami A., Rajbanshi S., Bhattacharya S., Banik R., Nandi S., Bhattacharyya S., Mukherjee G., Bhattacharya C., Chakraborty S., Gangopadhyay G., Laskar Md.S.R., Palit R., Bhat G.H., Jehangir S., Sheikh J.A., Sinha A.K., Samanta S., Das S., Chatterjee S., Raut R., Ghugre S.S.	Quasi- γ band in Te 114	2020	Physical Review C	101		Article
Banerjee M.	Sovereignty as a Motor of Global Conceptual Travel: Sanskritic Equivalents of Law in Bengali Discursive Production	2020	Modern Intellectual History	17	487	Article
Nandy S., Mukherjee A., Pandey D.K., Dey A.	Bacopa monnieri: The neuroprotective elixir from the East- Phytochemistry, pharmacology, and biotechnological improvement	2020	Bioactive Natural Products in Drug Discovery		97	Book Chapter
Kanrar S., Ghosh A., Ghosh A., Mondal A., Sadhukhan M., Ghosh U.C., Sasikumar P.	One-pot synthesis of Cr(III)-incorporated Zr(IV) oxide for fluoride remediation: a lab to field performance evaluation study	2020	Environmental Science and Pollution Research	27	15029	Article
Kundu P., Saha S., Gangopadhyay G.	Mechanical Unfolding of Single Polyubiquitin Molecules Reveals Evidence of Dynamic Disorder	2020	ACS Omega	5	9104	Article
Maitra T., Mukherjee S., Pradhan A., Nayak A., Bhunia S.	Fast-response symmetric coplanar Ni/AlGaInP/Ni visible photodetector	2020	Sensors and Actuators, A: Physical	305		Article
Barua A., Maity S., Kumar S., Dutta A., Sinha T.P.	Structural, optical and electrical characterization of Ba ₂ YbTaO ₆	2020	Physica B: Condensed Matter	583		Article
Baral P., Ray A., Koley R., Majumdar P.	Gravitational waves with orbital angular momentum	2020	European Physical Journal C	80		Article
Bera S., Haldar S.K., Chakrabarti B., Trombettoni A., Kota V.K.B.	Relaxation of Shannon entropy for trapped interacting bosons with dipolar interactions	2020	European Physical Journal D	74		Article
Chakraborty P.P., Mukhopadhyay J., Paul P.P., Banerjee D.M., Bera M.K.	Early atmosphere and hydrosphere oxygenation: Clues from Precambrian paleosols and chemical sedimentary records of India	2020	Episodes	43	175	Article
Pan S., Yang W., Paliathanasis A.	Imprints of an extended Chevallier–Polarski–Linder parametrization on the large scale of our universe	2020	European Physical Journal C	80		Article

Mitra N., Dey S.	Biochemical characterization of mono ADP ribosyl transferase activity of human sirtuin SIRT7 and its regulation	2020	Archives of Biochemistry and Biophysics	680		Article
Laha A., Ghosh A., Moitra S., Saha I., Kumar Saha G., Bhattacharya S., Podder S.	Association of the STAT6 rs3024974 (C/T) Polymorphism with IgE-Mediated Food Sensitization among West Bengal Population in India	2020	International Archives of Allergy and Immunology	181	200	Article
Anwita, Ghosh S., Varma A.K., Das S.K., Pal D., Solanki G.	Metamorphic transformations of nitrogen functionalities: Stabilization of organic nitrogen in anthracite and its effect on δ15N parameter	2020	Marine and Petroleum Geology	112		Article
Singh P., Halder M., Ray S., Bose A., Sen K.	Green synthesis of silver and palladium nanocomposites: A study of catalytic activity towards etherification reaction	2020	Materials Advances	1	2937	Article
Ghosh K.G.	Sediment transport at the river confluences: few observations from a sub-tropical plateau fringe river of eastern India	2020	Geology, Ecology, and Landscapes			Article
Islam N., Patel P.P.	Inventory and GLOF hazard assessment of glacial lakes in the Sikkim Himalayas, India	2020	Geocarto International			Article
Patel P.P., Dasgupta R., Mondal S.	Using ground-based photogrammetry for fine-scale gully morphology studies: Some examples	2020	Advances in Science, Technology and Innovation		207	Book Chapter
Mishra M., Chatterjee S.	Contouring human development: Methods and applications using an Indian district as case study	2020	Contouring Human Development: Methods and Applications Using an Indian District as Case Study		1	Book
Pandey D.K., Nandy S., Mukherjee A., Dey A.	Advances in bioactive compounds from Crocus sativus (saffron): Structure, bioactivity and biotechnology	2020	Studies in Natural Products Chemistry	66	273	Book Chapter
Gain C., Malik S., Bhattacharjee S., Ghosh A., Robertson E.S., Das B.B., Saha A.	Proteasomal inhibition triggers viral oncoprotein degradation via autophagy-lysosomal pathway	2020	PLoS Pathogens	16		Article
Khan A., Chatterjee S., Filho W.L., Khatun R., Dinda A., Minhas A.	City-scale Modeling of Urban Heat Islands for Kolkata	2020	Climate Change Management		89	Book Chapter
Biswas M., Dhara P.	Correction to: Evolutionary characteristics of meander cut-off — A hydro-morphological study of the Jalangi River, West Bengal, India (Arabian Journal of Geosciences, (2019), 12, 21, (667), 10.1007/s12517-019-4711-7)	2019	Arabian Journal of Geosciences	12		Erratum

Paul S., Patra D., Kundu R.	Lignan enriched fraction (LRF) of <i>Phyllanthus amarus</i> promotes apoptotic cell death in human cervical cancer cells <i>in vitro</i>	2019	Scientific Reports	9		Article
Sengupta S., Ghosh S., Saha S., Chakraborty S.	Coriolis force-driven instabilities in stratified miscible layers on a rotationally actuated microfluidic platform	2019	Physical Review Fluids	4		Article
Mukherjee A., Römer R.A., Chakrabarti A.	Spin-selective Aharonov-Casher caging in a topological quantum network	2019	Physical Review B	100		Article
Banerjee S., Gayen R.N.	Tetramethylammonium based lead free perovskite active layer for solar cell application	2019	Ceramics International	45	17438	Article
Haque I., Das D., Patel P.P.	Reading the geography of India's district-level fertility differentials: A spatial econometric approach	2019	Journal of Biosocial Science	51	745	Article
Ghosh A., Biswas H.S., Debnath S., Sasikumar P., Biswas K., Ghosh U.C.	Adsorption behaviour of bromophenol blue from the aqueous solution on labeo bata fish scale, a bio-waste material	2019	Indian Journal of Chemical Technology	26	321	Article
Chakraborty A., Chowdhury S., Banerjee S., Mahmood Z.	Limits of bargaining: Capital, labour and the state in contemporary India	2019	Limits of Bargaining: Capital, Labour and the State in Contemporary India		1	Book
Mukherjee S., Mitra K., Chatterjee R.	The accretion disc-jet connection in blazars	2019	Monthly Notices of the Royal Astronomical Society	486	1672	Article
Nandi S., Mukherjee G., Roy T., Banik R., Dhal A., Bhattacharya S., Bhattacharyya S., Bhattacharya C., Asgar M.A., Pai H., Rajbanshi S., Roy P., Ghosh T.K., Banerjee K., Rana T.K., Kundu S., Manna S., Pandey R., Sen A., Pal S., Mukhopadhyay S., Pandit D., Mandal D., Banerjee S.P.	Effect of neutron alignments on the structure of $Tl\ 197$	2019	Physical Review C	99		Article
Das S., Pramanick K.	Comparative anatomy and homology of jaw adductor muscles of some South Asian colubroid snakes (<i>Serpentes: Colubroidea</i>)	2019	Vertebrate Zoology	69	93	Article
Verma V., Nath D.C., Das R.	Bayesian bounds for population proportion under ranked set sampling	2019	Communications in Statistics: Simulation and Computation	48	478	Review

Raychaudhuri B., Chaurasia S., Roy S.	Spatial variation of atmospheric carbon dioxide concentration retrieved from AVIRIS-NG images including water vapor correction and spectroradiometric validation for two urban places of India	2019	Proceedings of SPIE - The International Society for Optical Engineering	11152		Conference Paper
Nandy S., Dey A., Mukherjee A.	Advances in dammarane-type triterpenoid saponins from Bacopa monnier: Structure, bioactivity, biotechnology and neuroprotection	2019	Studies in Natural Products Chemistry	63	489	Book Chapter
Maitra T., Pradhan A., Mukherjee S., Mukherjee S., Nayak A., Bhunia S.	Temperature and excitation dependent ultraviolet lasing in vertically oriented ZnO nanowires	2019	Journal of Materials Science: Materials in Electronics			Article
De K., Dasgupta N., Kundu A.	A statistical approach to decipher the tectonic control on the geometry of Martian channels: Case study from Pyrrhae Fossae, Noachis Terra, Mars	2018	Planetary and Space Science	164	174	Article
Sarkar A., Das R., Kar G.K.	Thiophene Analogue of Isotanshinone-II Nucleus: A Novel Approach towards the Synthesis of Phenanthro[4,3-b]-thiophene-4,5-dione and Phenanthro[3,4-b]thiophene-4,5-dione Derivatives	2018	ChemistrySelect	3	11422	Article
Dutta K., Sen D., Sahu S.	Food intake rhythm and its implication on obesity, and related comorbidities among adolescents: a mini review	2018	Biological Rhythm Research	49	819	Article
Nandy S., Bhattacharyya R., Mukherjee A., Pandey D.K., Dey A.	Anti-insomniac Botanicals and Natural Products: Pre-clinical and Clinical Evidences	2018	Journal of Biologically Active Products from Nature	8	295	Review
Das S., Halder K.	Control of climate and Tethyan legacy on distribution of Paleocene–Eocene gastropods and establishment of the Northern Tropical Realm	2018	Journal of Earth System Science	127		Article
Nag S.	Assamese nationality question	2018	Northeast India: A Reader		83	Book Chapter
Ghosh M., Mandal S.	Free-living marine nematode diversity from the Indian coasts	2018	Marine Biodiversity	48	179	Article
Sarkar A., Das R., Kar G.K.	A Suzuki-Coupling-Based Generalized Route for the Synthesis of 2-(2/3-Thienyl)cycloalk-1-ene-1-carbaldehydes as Precursors for Condensed Thienophenanthraquinones	2018	Synlett	29	344	Article
Raha S., Das S., Bag P., Debnath S., Pramanick K.	Description of a new species of genus Trachischium with a redescription of Trachischium fuscum (Serpentes: Colubridae: Natricinae)	2018	Zootaxa	4370	549	Article

Dutta K., Basu B., Sen D.	Evaluation of postural, psychosocial stress and driver behaviour of motorbike riders in India	2018	Occupational Ergonomics	13	S25	Article
Das R., Verma V., Nath D.C.	Bayesian estimation of measles vaccination coverage under ranked set sampling	2017	Statistics in Transition	18	589	Article
Polley A., Sen P., Sengupta A., Chakraborty S.	β -Catenin stabilization promotes proliferation and increase in cardiomyocyte number in chick embryonic epicardial explant culture	2017	In Vitro Cellular and Developmental Biology - Animal	53	922	Article
Bandyopadhyay U., Das R.	A comparison between two treatments in a clinical trial with an ethical allocation design	2017	Journal of Statistical Computation and Simulation	87	3377	Article
Das S., Raha S., Mitra S., Bag P.	Implication of variable characters for the taxonomy of Altiphylax stoliczkai (Steindachner, 1867) and Altiphylax yarkandensis (Anderson, 1872) (Reptilia: Gekkonidae) with comments on the ZSI 'syntype' of the latter taxon'	2017	Zootaxa	4320	183	Article
Chakrabarti G., Chatterjee T.	Employees' emotional intelligence, motivation & productivity, and organizational excellence: A future trend in HRD	2017	Employees' Emotional Intelligence, Motivation & Productivity, and Organizational Excellence: A Future Trend in HRD		1	Book
Mishra V.	India's emerging concept of regional maritime security	2017	Maritime Affairs	13	1	Article
Dutta W., Ray P.	A glimpse into the compatibilities and conflicts between arthropods and fungal biological control agents of aquatic weed waterhyacinth	2017	Phytoparasitica	45	429	Article
Mitra M., Bhattacharyya R.K.	On wave propagation in a random micropolar generalized thermoelastic medium	2017	Archives of Thermodynamics	38	21	Article
Nandy S., Mallick A., Mukherjee A., Dey A.	Efficacious Naturally Occurring Anti-cerebral Ischaemia Extracts, Compounds and Formulations Data from Animal Models	2017	Journal of Biologically Active Products from Nature	7	178	Review
Bhattacharya S., Gupta K., Ghosh U.C.	Synthesis, characterization and trivalent arsenic sorption potential of Ce-Al nanostructured mixed oxide	2017	IOP Conference Series: Materials Science and Engineering	188		Conference Paper
Kuila A., Maity N., Chatterjee D.P., Nandi A.K.	pH and temperature responsiveness in AgNPs stabilized by a new poly(vinylidene fluoride) random graft copolymer	2017	Journal of Polymer Science, Part A: Polymer Chemistry	55	960	Article

Li Y., Debnath D., Ghosh P.K., Marchesoni F.	Nonlocality of relaxation rates in disordered landscapes	2017	Journal of Chemical Physics	146		Article
Mishra V.	Indo-US Security Cooperation: Implications for the Indian Ocean	2017	Maritime Affairs	13	73	Article
Bhattacharyya R., Das S., Bhattacharya R., Chatterjee M., Dey A.	Rhizobial exopolysaccharides: A novel biopolymer for Legume-Rhizobia symbiosis and environmental monitoring	2017	Microbes for Legume Improvement, Second Edition		119	Book Chapter
Pandey D.K., Dey A., Singh J.	Biotechnological advances in lychee (<i>litchi chinensis</i>) and their future implication in improvement of crop	2017	The Lychee Biotechnology		59	Book Chapter
Kumar M., Barbhui M.D., Hasan M., Punia S., Dhumal S., Radha, Rais N., Chandran D., Pandiselvam R., Kothakota A., Tomar M., Satankar V., Senapathy M., Anitha T., Dey A., Sayed A.A.S., Gadallah F.M., Amarowicz R., Mekhemar M.	Onion (<i>Allium cepa L.</i>) peels: A review on bioactive compounds and biomedical activities	2022	Biomedicine and Pharmacotherapy	146		Review
Manokari M., Priyadarshini S., Cokulraj M., Dey A., Shekhawat M.S.	Meta-topolin induced morphometric and structurally stable bubbles in Malabar River Lily (Amaryllidaceae)	2022	Plant Cell, Tissue and Organ Culture	148	377	Article
Mitra S., Anand U., Jha N.K., Shekhawat M.S., Saha S.C., Nongdam P., Rengasamy K.R.R., Proćkow J., Dey A.	Anticancer Applications and Pharmacological Properties of Piperidine and Piperine: A Comprehensive Review on Molecular Mechanisms and Therapeutic Perspectives	2022	Frontiers in Pharmacology	12		Review
Santra S., Banerjee A., Das B.	Polycation charge and conformation of aqueous poly(acrylamide-co-diallyldimethylammonium chloride): Effect of salinity and temperature	2022	Journal of Molecular Structure	1247		Article
Khajanchi S., Sarkar K., Banerjee S.	Modeling the dynamics of COVID-19 pandemic with implementation of intervention strategies	2022	European Physical Journal Plus	137		Article
Bardhan A., Banerjee A., Basu K., Pal D.K., Ghosh A.	PRNCR1: a long non-coding RNA with a pivotal oncogenic role in cancer	2022	Human Genetics	141	15	Review
Bag S., Mondal A., Banik A.	Exploring tea (<i>Camellia sinensis</i>) microbiome: Insights into the functional characteristics and their impact on tea growth promotion	2022	Microbiological Research	254		Review
Akhtar M.N., Prasad M.G.P., Navascués M.A., Mohapatra R.N.	New fractal functions on the sphere	2021	European Physical Journal: Special Topics	230	3755	Article

Nandi D., Ghosh S.K., Ghosh A., Siengchin S., Roy A., Gupta K., Parameswaranpillai J., Bhowmick A.K., Ghosh U.C.	Arsenic removal from water by graphene nanoplatelets prepared from nail waste: A physicochemical study of adsorption based on process optimization, kinetics, isotherm and thermodynamics	2021	Environmental Nanotechnology, Monitoring and Management	16		Article
Biswas D., Mandal S., Chatterjee Saha S., Tudu C.K., Nandy S., Batiha G.E.-S., Shekhawat M.S., Pandey D.K., Dey A.	Ethnobotany, phytochemistry, pharmacology, and toxicity of <i>Centella asiatica</i> (L.) Urban: A comprehensive review	2021	Phytotherapy Research	35	6624	Review
Shekhawat M.S., Mehta S.R., Manokari M., Priyadarshini S., Badhepuri M.K., Jogam P., Dey A., Rajput B.S.	Morpho-anatomical and physiological changes of Indian sandalwood (<i>Santalum album</i> L.) plantlets in ex vitro conditions to support successful acclimatization for plant mass production	2021	Plant Cell, Tissue and Organ Culture	147	423	Article
Maity S., Guchhait R., Chatterjee A., Pramanick K.	Co-occurrence of co-contaminants: Cyanotoxins and microplastics, in soil system and their health impacts on plant – A comprehensive review	2021	Science of the Total Environment	794		Review
Adhikarla S.V., Jha N.K., Goswami V.K., Sharma A., Bhardwaj A., Dey A., Villa C., Kumar Y., Jha S.K.	Tlr-mediated signal transduction and neurodegenerative disorders	2021	Brain Sciences	11		Review
Das S., Mondal A., Samanta J., Chakraborty S., Sengupta A.	Unfolded protein response during cardiovascular disorders: a tilt towards pro-survival and cellular homeostasis	2021	Molecular and Cellular Biochemistry	476	4061	Review
Banerjee S., Maity S., Guchhait R., Chatterjee A., Biswas C., Adhikari M., Pramanick K.	Toxic effects of cyanotoxins in teleost fish: A comprehensive review	2021	Aquatic Toxicology	240		Review
Khajanchi S.	The impact of immunotherapy on a glioma immune interaction model	2021	Chaos, Solitons and Fractals	152		Article
Anchordoqui L.A., Di Valentino E., Pan S., Yang W.	Dissecting the H0 and S8 tensions with Planck + BAO + supernova type Ia in multi-parameter cosmologies	2021	Journal of High Energy Astrophysics	32	28	Article
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Hazra T., Hazra M., Kumar S., Mahato S., Bera M., Bera S., Khan M.A.	First fossil evidence of Palaeocarya (Engelhardioideae: Juglandaceae) from India and its biogeographical implications	2021	Journal of Systematics and Evolution	59	1307	Article

Nag T., Rajak A.	Periodic and aperiodic dynamics of flat bands in diamond-octagon lattice	2021	Physical Review B	104		Article
Tiwari P.K., Rai R.K., Khajanchi S., Gupta R.K., Misra A.K.	Dynamics of coronavirus pandemic: effects of community awareness and global information campaigns	2021	European Physical Journal Plus	136		Article
Majhi A., Shaw R., Mallick K., Patel P.P.	Towards improved USLE-based soil erosion modelling in India: A review of prevalent pitfalls and implementation of exemplar methods	2021	Earth-Science Reviews	221		Review
Nag A., Paul S., Banerjee R., Kundu R.	In silico study of some selective phytochemicals against a hypothetical SARS-CoV-2 spike RBD using molecular docking tools	2021	Computers in Biology and Medicine	137		Article
Das K., Bose S., Torimoto J., Hayasaka Y., Dunkley D.	Tracking C-O-H fluid-rock interactions in reworked UHT granulite: Tectonic evolution from ca. 990 Ma to ca. 500 Ma in orogenic interior of Eastern Ghats Belt, India	2021	Lithos	398-399		Article
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Chandra S.	Compensation and its systematics in spin-1/2 Ising trilayered triangular ferrimagnet	2021	Journal of Physics and Chemistry of Solids	156		Article
Kundu A., Rajak A., Nag T.	Dynamics of fluctuation correlation in a periodically driven classical system	2021	Physical Review B	104		Article
Barua S., Mukhopadhyay B.P., Bera A.	Hydrochemical assessment of groundwater for irrigation suitability in the alluvial aquifers of Dakshin Dinajpur district, West Bengal, India	2021	Environmental Earth Sciences	80		Article
Mandal J., Patel P.P.	Gauging the effects of the COVID-19 pandemic lockdowns on atmospheric pollution content in select countries	2021	Remote Sensing Applications: Society and Environment	23		Article
Das A., Roy A., Mandal A., Mondal H.A., Hess D., Kundu P., Das S.	Inhibition of <i>Bemisia tabaci</i> vectored, GroEL mediated transmission of tomato leaf curl New Delhi virus by garlic leaf lectin (<i>Allium sativum</i> leaf agglutinin)	2021	Virus Research	300		Article
Nazir R., Pandey D.K., Pandey B., Kumar V., Dwivedi P., Khampariya A., Dey A., Malik T.	Optimization of diosgenin extraction from <i>Dioscorea deltoidea</i> tubers using response surface methodology and artificial neural network modelling	2021	PLoS ONE	16		Article

Bhattacharjee C., Singh M., Das D., Chaudhuri S., Mukhopadhyay A.	Current therapeutics against HCV	2021	VirusDisease	32	228	Review
Rajbanshi J., Das S.	Monitoring land sensitivity to desertification using the ESAI approach and evaluation of the key indicators: A spatio-temporal study in India	2021	Land Degradation and Development	32	3045	Article
Biswas D., Saha S.C., Dey A.	CRISPR-Cas genome-editing tool in plant abiotic stress-tolerance	2021	Plant Gene	26		Article
Banerjee S., Adhikari A.	On spectra and spectral radius of signless laplacian of power graphs of some finite groups	2021	Asian-European Journal of Mathematics	14		Article
Ghosh P.K., Marchesoni F., Li Y., Nori F.	Active particle diffusion in convection roll arrays	2021	Physical Chemistry Chemical Physics	23	11944	Article
Gain C., Sarkar A., Bural S., Rakshit M., Banerjee J., Dey A., Biswas N., Kar G.K., Saha A.	Identification of two novel thiophene analogues as inducers of autophagy mediated cell death in breast cancer cells	2021	Bioorganic and Medicinal Chemistry	37		Article
Das A.	Triameter of Graphs	2021	Discussiones Mathematicae - Graph Theory	41	601	Article
Ghosh S., Basu M., Banerjee K., Chaudhury S.P., Paul T., Bera D.K., Pal D.K., Sk U.H., Panda C.K., Ghosh A.	Arsenic level in bladder tumor of patients from an exposed population: Association with progression and prognosis	2021	Future Oncology	17	1311	Article
Chakrabarti G., Das R.	Time-varying beta, market volatility and stress: A comparison between the United States and India: Time-varying beta, volatility and stress	2021	IIMB Management Review	33	50	Article
Li Y., Misko V.R., Marchesoni F., Ghosh P.K.	Anisotropic diffusion in driven convection arrays	2021	Entropy	23		Article
Debabhuti N., Neogi S., Mukherjee S., Dhar A., Sharma P., Vekariya R.L., Sarkar M.P., Tudu B., Bhattacharyya N., Bandyopadhyay R., Muddassir M.	Development of QCM sensor to detect α -terpinyl acetate in cardamom	2021	Sensors and Actuators, A: Physical	319		Article
Mal K., Ray S., Maity S., Nurjamal K., Ghosh P., Brahmachari G., Mukhopadhyay C.	Ultrasound-Assisted Expedited Catalyst-Free Green Approach towards Diastereoselective Synthesis of Spiro[indoline-3,2'-pyrido[2,1-b][1,3]oxazine]-3',4'-dicarboxylate Scaffolds	2021	ChemistrySelect	6	1263	Article
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Chatterjee N., Mahmood Z., Marcussen E.	Politics of Vaccine Nationalism in India: Global and Domestic Implications	2021	Forum for Development Studies	48	357	Article
Ray S., Deb D., Sarkar M.P.	Colour based nutraceutical potential of some traditional rice (<i>Oryza sativa L. Ssp. Indica</i>) varieties of India	2021	Indian Journal of Natural Products and Resources	12	153	Article
Biswas M., Paul A., Jamal M.	Tectonics and channel morpho-hydrology—a quantitative discussion based on secondary data and field investigation	2021	Springer Geology		461	Book Chapter
Babra F.S., Jehangir S., Palit R., Biswas S., Das B., Rajbanshi S., Bhat G.H., Sheikh J.A., Das B., Dey P., Garg U., Laskar M.S.R., Palshetkar C., Saha S., Singh L.P., Singh P.	Investigation of the alignment mechanism and loss of collectivity in Pm 135	2021	Physical Review C	103		Article
Saha T., Pal P.J., Banerjee M.	Relaxation oscillation and canard explosion in a slow–fast predator–prey model with Beddington–DeAngelis functional response	2021	Nonlinear Dynamics	103	1195	Article
Raychaudhuri B., Roy S.	Investigation of seasonal variability of atmospheric columnar CO ₂ over India in relation to environmental parameters using OCO-2 observation and vertical redistribution model	2021	International Journal of Remote Sensing	42	1450	Article
Sanyal J., Wesley Lauer J., Kanae S.	Examining the downstream geomorphic impact of a large dam under climate change	2021	Catena	196		Article
Guha P., Mandal A., Mitra A.	Do labor rights help to protect human rights? An empirical exploration	2021	Applied Economics Letters	28	161	Article
Saha U., Dolai M., Konar S., Das A., Butcher R.J., Kumar G.S., Mukhopadhyay S.	Design and synthesis of a sulphur containing Schiff base drug: DNA binding studies and theoretical calculations	2021	Journal of Biomolecular Structure and Dynamics	39	263	Article
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Rajak A., Dana I.	Stability, isolated chaos, and superdiffusion in nonequilibrium many-body interacting systems	2020	Physical Review E	102		Article
Majumder I., Paul S., Nag A., Kundu R.	Chloroform fraction of Chaetomorpha brachygona, a marine green alga from Indian Sundarbans inducing autophagy in cervical cancer cells in vitro	2020	Scientific Reports	10		Article
Georgalos K., Ray I., SenGupta S.	Nash versus coarse correlation	2020	Experimental Economics	23	1178	Article
Warsi T., Kumar V.S., Kumar D., Nandan M.J., Biswas G., Kumar Sahadevan D., Manikyamba C., Rao T.V., Rangarajan R., Ahmed S., Chandrasekhar V.	Integration of geophysics and petrography for identifying the aquifer and the rock type: A case study from Giddalur, Andhra Pradesh, India	2020	Journal of Earth System Science	129		Article
Roy R.	From Postcolonial Irony to Dalit Truth A Perspective on Experience	2020	Economic and Political Weekly	55	47	Review
Paul P., Karar M., Alam M.N., Dutta D., Majumdar T., Mallick A.	Circumstantial Overdose Management of an Efficient Cancer Cell Photosensitizer with Preclinical Evidence: A Biophysical Study	2020	ACS Applied Bio Materials	3	8049	Article
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Hazra M., Hazra T., Bera S., Khan M.A.	Occurrence of a cyprinid fish (Leuciscinae) from latest Neogene (?Pliocene) sediments of Chotanagpur plateau, eastern India	2020	Current Science	119	1367	Article
Roy S.K., Koley R., Majumdar P.	Probing the post-Minkowskian approximation using recursive addition of self-interactions	2020	Physical Review D	102		Article
Sajid S., Chakrabarti A.	Localization, transport, and edge states in a two-strand ladder network in an aperiodically staggered magnetic field	2020	Physical Review B	102		Article
Sur T., Acharya T.	Filtering of hydraulically significant lineaments from lineament map of precambrian metamorphic terrain in NE India using set theory	2020	Groundwater for Sustainable Development	11		Article
Chakrabarti G., Sen C.	Time series momentum trading in green stocks	2020	Studies in Economics and Finance	37	361	Article
Girardi L., Boyer M.L., Johnson L.C., Dalcanton J.J., Rosenfield P., Seth A.C., Skillman E.D., Weisz D.R., Williams B.F., Bhattacharya A.R., Bressan A., Caldwell N., Chen Y., Dolphin A.E., Fouesneau M., Goldman S., Guhathakurta P., Marigo P., Mukherjee S., Pastorelli G., Quirk A., Soraismam M., Trabucchi M.	PHAT XX. AGB Stars and Other Cool Giants in M31 Star Clusters	2020	Astrophysical Journal	901		Article
Das A., Saha M.	Determining number of some families of cubic graphs	2020	Journal of Algebra and Related Topics	8	39	Article
Nayak S., Debnath T., Das S., Debnath D., Ghosh P.K.	Escape Kinetics of an Underdamped Colloidal Particle from a Cavity through Narrow Pores	2020	Journal of Physical Chemistry C	124	18747	Article

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Mukherjee S.	Sufis, Yogīs, and genealogies of “Islamic yoga”: Broaching religio-cultural encounters in premodern eastern India	2020	Religion Compass	14		Article
Debnath B., Das B.	Influence of hydrophobic and electrostatic interactions on counterion-dissociation in sodium carboxymethylcellulose - polyethylene glycol (PEG) solutions	2020	Journal of Molecular Liquids	310		Article
Santra R., Dey B., Roy S., Laskar M.S.R., Palit R., Pai H., Rajbanshi S., Ali S., Bhattacharjee S., Babra F.S., Mukherjee A., Jadhav S., Naidu B.S., Vazhapilly A.T., Pal S.	Nuclear level density of ^{69}Zn from gamma gated particle spectrum and its implication on $^{68}\text{Zn}(n, \gamma)^{69}\text{Zn}$ capture cross section	2020	Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics	806		Article
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Giri R., Chaudhuri S.K.	Effect of common extraneous citation optimizing factors on journal impact indicators	2020	Journal of Scientometric Research	9	63	Article

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Pal S.S., Samui S., Kar S.	A new technique for time series forecasting by using symbiotic organisms search	2020	Neural Computing and Applications	32	2365	Article
Das P., Ray S., Saha R., Mukhopadhyay C.	One-Pot Synthesis of Densely Substituted 1,2,3,4-Tetrahydro-1,6-naphthyridine Mediated by Isocyanide-Assisted Reduction of C=C Double Bond	2020	ChemistrySelect	5	3581	Article
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Das A.	Determining Number of Generalized and Double Generalized Petersen Graph	2020	Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics)	12016 LNCS	131	Conference Paper
Sarkar O.	War Cartography in the Survey of India, 1920–1946	2020	Lecture Notes in Geoinformation and Cartography		121	Conference Paper
Roy R., Lévéque C., Lode A.U.J., Gammal A., Chakrabarti B.	Fidelity and entropy production in quench dynamics of interacting bosons in an optical lattice	2019	Quantum Reports	1	304	Article
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Majumder A., Mitra K., Chatterjee R., Urry C.M., Bailyn C.D., Nandi P.	Physical inference from the γ -ray, X-ray, and optical time variability of a large sample of Fermi blazars	2019	Monthly Notices of the Royal Astronomical Society	490	124	Article
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Babu F.S., Palit R., Rajbanshi S., Jehangir S., Das B., Bhat G.H., Sheikh J.A., Biswas S., Garg U., Laskar Md.S.R., Palshetkar C., Saha S., Sethi J., Singh P.	Investigation of a large change in deformation for the γ -soft nucleus Sm 136	2019	Physical Review C	100		Article
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Ray S., Panidi J., Mukhopadhyay T., Salzner U., Anthopoulos T.D., Patil S.	Electrochemical Stability and Ambipolar Charge Transport in Diketopyrrolopyrrole-Based Organic Materials	2019	ACS Applied Electronic Materials	1	2037	Article
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Bhattacharya S., Halder S., Chakraborty S.	Formation of wormholes in modified gravity: Exotic matter and stability	2019	Modern Physics Letters A	34		Article
Bhattacharyya S.R., Gayen R.N.	Fabrication and characterization of transparent nanocrystalline ZnO thin film transistors by a sol-gel technique	2019	Bulletin of Materials Science	42		Article

Aafreedi N.J.	Antisemitism in the muslim intellectual discourse in south asia	2019	Religions	10		Article
Ghosh K.G.	Flow dynamics at channel confluences: few observations from a sub-tropical plateau fringe river of Eastern India	2019	Arabian Journal of Geosciences	12		Article
Debnath B., Das B.	Ion-Solvation and Ion-Association Behavior of Tetraphenylphosphonium Chloride, Sodium Tetraphenylborate and Sodium Chloride in Polyethylene Glycol + Water Mixtures at 298.15 K	2019	Journal of Solution Chemistry	48	849	Article
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Raychaudhuri B., Roy S.	Retrieval of aerosol parameters from the oxygen absorption band of Hyperion hyperspectral image validated with spectroradiometry	2019	2019 URSI Asia-Pacific Radio Science Conference, AP-RASC 2019			Conference Paper
Pramanik S., Das B.	Thermodynamic Properties of Aqueous Sodium Nitrate Solutions Under Superambient Conditions	2019	Journal of Solution Chemistry	48	167	Article
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Kumar A., Shekhar S., Sarkar A., Sharma A.K.	A process-based insight to the recent disappearance of streams in the central part of Tarai region, Uttarakhand, India	2019	Environmental Monitoring and Assessment	191		Article
Saha A., Robertson E.S.	Microbiome and Human Malignancies	2019	Current Cancer Research		1	Book Chapter
Gayen R.N., Avvaru V.S., Etacheri V.	Carbon-based integrated devices for efficient photo-energy conversion and storage	2019	Carbon Based Nanomaterials for Advanced Thermal and Electrochemical Energy Storage and Conversion		357	Book Chapter

Iskandar M., Palit A.	Principle of gravity and electromagnetic at zero curvature	2019	Annals of the University of Craiova, Physics	29	1	Article
Sikdar S., Nandy S., Mukherjee A., Bhattacharyya R., Pandey D.K., Dey A.	Phytoestrogens as Anticancer Therapeutics: A Retrospective and Future Perspectives	2019	Journal of Biologically Active Products from Nature	9	179	Review
Das P., Mukherjee S., Das K., Ghosh G.	Integrating AMS data with structural studies from granitoid rocks of the Eastern Dharwar Craton, south India: Implications on successive fabric development and regional tectonics	2019	Journal of Structural Geology	118	48	Article
Datta M., Mukherjee S.	Homotopy classification of contact foliations on open contact manifolds	2018	Proceedings of the Indian Academy of Sciences: Mathematical Sciences	128		Article
Ray S.K.	Inverted fold hinge: An end member of hinge rotation by superposed buckle folding in the Precambrian terrain of western India	2018	Journal of Structural Geology	116	260	Article
Basak U., Ghosh R., Ghosh T., Majumdar S., Pakhira M., Ghosh T., Chatterjee D.P.	Synthesis of 'living' poly(2-dimethylaminoethyl methacrylate) and stimuli responsive/multifunctional block copolymers effective in fabrication of CdS 'smart' 'Q-Particles'	2018	Polymer	155	27	Article
Das S.K., Ghosh S., Isaksson S., Lidén K., Dey A.	Organic residue analysis in archaeological ceramics from Lahuradewa, India: Role of contaminants	2018	Current Science	115	1456	Article
De A., Mukherjee S., Sadhukhan G.C., Saha N.C.	An insight into the cellulolytic potential of three strains of <i>Bacillus</i> spp. Isolated from benthic soil of aquaculture farms in East Kolkata Wetlands, India	2018	Journal of Pure and Applied Microbiology	12	1597	Article
Chakraborty N., Mandal A., Choudhuri A., Mandal S., Sarkar S.	Indigenous siliciclastic and extraneous polygenetic carbonate facies in the Albian-Turonian Karai Shale, Cauvery Basin, India	2018	Carbonates and Evaporites	33	561	Article
Meetei A.B., Das S., Campbell P.D., Raha S., Bag P.	A study on <i>Ptyas doriae</i> (Boulenger, 1888) with comments on the status of <i>Ptyas hamptoni</i> (Boulenger, 1900) (Squamata: Colubridae: Colubrinae)	2018	Zootaxa	4457	537	Article
Chakraborty P., Chatterjee S., Dutta A., Myers A.D.	Mean occupation function of high-redshift quasars from the planck cluster catalog	2018	Publications of the Astronomical Society of the Pacific	130		Article

Dutta S., Pal S., De S.	Few-layered MnO ₂ /SWCNT hybrid in-plane supercapacitor with high energy density	2018	AIP Conference Proceedings	1953		Conference Paper
Pal S., Dutta S., De S.	A facile hydrothermal approach to synthesize rGO/BiVO ₄ photocatalysts for visible light induced degradation of RhB dye	2018	AIP Conference Proceedings	1953		Conference Paper
Roy R., Datta D.	Efficient light absorption by plasmonic metallic nanostructures in photovoltaic application	2018	AIP Conference Proceedings	1942		Conference Paper
Roy B., Sen R.	Generalized semi-open and pre-semiopen sets via ideals	2018	Transactions of A. Razmadze Mathematical Institute	172	95	Article
Chakrabarti G., Sen C.	Introduction	2018	The Globalization Conundrum-Dark Clouds behind the Silver Lining: Global Issues and Empirics		1	Book Chapter
Saha S., Chakrabarti G.	Globalization, crisis and forex exposure: Indian evidence	2018	The Globalization Conundrum-Dark Clouds behind the Silver Lining: Global Issues and Empirics		97	Book Chapter
Ansar S., Datta K.K., Chowdhury D.D.	Impact of inhomogeneous CMB heating of gas on the HI 21-cm signal during dark ages	2018	Physical Review D	98		Article
Verma V., Das R., Nath D.C.	Bayesian Cramer-Rao Lower Bound of Variances under Ranked Set Sampling*	2018	Materials Today: Proceedings	5	1747	Conference Paper
Bhattacharjee S.	The insurgent invasion of anti-colonial idols in late-Victorian literature: Richard Marsh and F. Anstey	2018	English Literature in Transition, 1880-1920	61	66	Article
Sadhukhan B., Bandyopadhyay S., Nayak A., Mookerjee A.	Disorder induced lifetime effects in binary disordered systems: A first principles formalism and an application to disordered graphene	2017	International Journal of Modern Physics B	31		Article
Banerjee A.	Dynamical phase transitions in generalized Kuramoto model with distributed Sakaguchi phase	2017	Journal of Statistical Mechanics: Theory and Experiment	2017		Article
Halder A., Acharyya M.	Nonequilibrium Phase Transition in Spin-S Ising Ferromagnet Driven by Propagating and Standing Magnetic Field Wave	2017	Communications in Theoretical Physics	68	600	Article
Banerji S., Mitra D.	Evaluation of water resource management in Salt Lake City, West Bengal, India	2017	Hydrological Sciences Journal	62	1980	Article

Bera S., Lekala M.L., Chakrabarti B., Bhattacharyya S., Rampho G.J.	Statistical properties and condensate fluctuation of attractive Bose gas with finite number of particles	2017	Physica A: Statistical Mechanics and its Applications	481	79	Article
Dey J., Jayangonda Perumal R., Sarkar S., Bhowmik A.	Seismic profile analysis of the kangra and dehradun re-entrant of NW himalayan foreland thrust belt, India: A new approach to delineate subsurface geometry	2017	Journal of Earth System Science	126		Article
Lekala M.L., Chakrabarti B., Haldar S.K., Roy R., Rampho G.J.	Structural and quantum properties of van der Waals cluster near the unitary regime	2017	Physics Letters, Section A: General, Atomic and Solid State Physics	381	2256	Article
Majumdar J., Chakraborty P., Mitra A., Sarkar N.K., Sarkar S.	Fenugreek, A Potent Hypoglycaemic Herb Can Cause Central Hypothyroidism Via Leptin - A Threat to Diabetes Phytotherapy	2017	Experimental and Clinical Endocrinology and Diabetes	125	441	Article
Yamamoto T., Ando J.-I., Tomioka N., Das K., Ghosh G., Bose S.	Microstructural observations of fracture-filling goethite vein along the Kerajang Fault Zone in the Rengali Province of eastern India	2017	Journal of Mineralogical and Petrological Sciences	112	102	Article
Bose A., Parbat D., Mukherjee M., Sardar P.S., Ghosh S.	Photoacidic behavior of small phenolics in micellar media	2017	Spectroscopy Letters	50	81	Article
Banerjee M.	“We shall create a new world, a new man, a new society”: Globalized horizons among Bengali Naxalites	2017	The Global 1960s: Convention, Contest and Counterculture		52	Book Chapter
Rashkow E., Ghosh S., Chakrabarti U.	Memory, identity and the colonial encounter in India essays in honour of Peter Robb	2017	Memory, Identity and the Colonial Encounter in India: Essays in Honour of Peter Robb		1	Book
Pradhan S., Hore S., Maji S.K., Manna S., Maity A., Kundu P.K., Maity K., Roy S., Mitra S., Dam P., Mondal R., Ghorai S., Jawed J.J., Dutta S., Das S., Mandal S., Mandal S., Kati A., Sinha S., Maity A.B., Dolai T.K., Mandal A.K., İnce İ.A.	Study of epidemiological behaviour of malaria and its control in the Purulia district of West Bengal, India (2016–2020)	2022	Scientific Reports	12		Article
Anand U., Carpina M., Kowalska-Górska M., Garcia-Perez P., Sunita K., Bontempi E., Dey A., Prieto M.A., Prockow J., Simal-Gandara J.	Safer plant-based nanoparticles for combating antibiotic resistance in bacteria: A comprehensive review on its potential applications, recent advances, and future perspective	2022	Science of the Total Environment	821		Review

Das T., Saha S.C., Sunita K., Majumder M., Ghorai M., Mane A.B., Prasanth D.A., Kumar P., Pandey D.K., Al-Tawaha A.R., Batiha G.E.-S., Shekhawat M.S., Ghosh A., Sharifi-Rad J., Dey A.	Promising botanical-derived monoamine oxidase (MAO) inhibitors: pharmacological aspects and structure-activity studies	2022	South African Journal of Botany	146	127	Review
Roychowdhury A., Samui S.	Exploring the voids: Luminosity functions and magnetic field	2022	New Astronomy	92		Article
Majumder A., Kanti Mondal S., Mukhoty S., Bag S., Mondal A., Begum Y., Sharma K., Banik A.	Virtual screening and docking analysis of novel ligands for selective enhancement of tea (<i>Camellia sinensis</i>) flavonoids	2022	Food Chemistry: X	13		Article
Biswas S., Rahaman T., Gupta P., Mitra R., Dutta S., Kharlyngdoh E., Guha S., Ganguly J., Pal A., Das M.	Cellulose and lignin profiling in seven, economically important bamboo species of India by anatomical, biochemical, FTIR spectroscopy and thermogravimetric analysis	2022	Biomass and Bioenergy	158		Article
Dar S., Bhattacharya S., Bhattacharyya S., Banik R., Nandi S., Mukherjee G., Rajbanshi S., Das Gupta S., Ali S., Chakraborty S., Chatterjee S., Das S., Dhal A., Ghugre S.S., Goswami A., Mondal D., Mukhopadhyay S., Pai H., Pal S., Pandit D., Raut R., Ray P., Samanta S.	Magnetic rotational band in ^{116}Sb	2022	Nuclear Physics A	1019		Article
Sen R., Ramírez-Páramo A.	On $c\Delta(\Lambda)$ -covers and $\Delta\gamma$ -sets	2022	Topology and its Applications	307		Article
Słownikiewicz M., Banerjee A., Patranabis-Deb S., Kumar Deb G., Tucker M.E.	Sinuous stromatolites of the Chandi Formation, Chattisgarh Basin, India: their origin and implications for Mesoproterozoic seawater	2022	Geological Magazine	159	279	Article
Hudait M., Patel P.P.	Crop-type mapping and acreage estimation in smallholding plots using Sentinel-2 images and machine learning algorithms: Some comparisons	2022	Egyptian Journal of Remote Sensing and Space Science	25	147	Article
Anand U., Biswas P., Kumar V., Ray D., Ray P., Loake V.I.P., Kandimalla R., Chaudhary A., Singh B., Routhu N.K., Chen Z.-S., Proćków J., Dey A.	<i>Podophyllum hexandrum</i> and its active constituents: Novel radioprotectants	2022	Biomedicine and Pharmacotherapy	146		Review

Chakraborty S., Maity I., Dadashpoor H., Novotný J., Banerji S.	Building in or out? Examining urban expansion patterns and land use efficiency across the global sample of 466 cities with million+ inhabitants	2022	Habitat International	120		Article
Bose S., Sorcar N., Das K., Ganguly P., Mukherjee S.	Pulsed tectonic evolution in long-lived orogenic belts: An example from the Eastern Ghats Belt, India	2022	Precambrian Research	369		Article
Ray P., Pai H., Ali S., Mukherjee A., Rajbanshi S., Chakraborty S., Bhattacharya S., Banik R., Nandi S., Bhattacharyya S., Mukherjee G., Bhattacharya C., Gangopadhyay G., Samanta S., Das S., Chatterjee S., Raut R., Ghugre S.S., Srivastava P.C., Jehangir S., Bhoy B., Rather N., Bhat G.H., Sheikh J.A., Goswami A.	Three-phonon multiplets in ^{116}Sn	2022	Nuclear Physics A	1018		Article
Kumari P., Kaur P., Kumar V., Pandey B., Nazir R., Katoch K., Dwivedi P., Dey A., Pandey D.K.	Response surface methodology and artificial neural network modeling for optimization of ultrasound-assisted extraction and rapid HPTLC analysis of asiaticoside from <i>Centella asiatica</i>	2022	Industrial Crops and Products	176		Article
Banerjee A., De R., Das B.	Hydrodynamic and conformational characterization of aqueous sodium alginate solutions with varying salinity	2022	Carbohydrate Polymers	277		Article
Manokari M., Badhepuri M.K., Cokulraj M., Dey A., Rajput V.D., Minkina T., Shekhawat M.S.	Differential morphometric and micro-morpho-anatomical responses toward types of culture vessels used in micropropagation of <i>Hemidesmus indicus</i> (L.) R. Br.	2022	Plant Cell, Tissue and Organ Culture	148	439	Article
Bid S., Chakrabarti A.	Topological properties of a class of Su-Schrieffer-Heeger variants	2022	Physics Letters, Section A: General, Atomic and Solid State Physics	423		Article
Das S., Chatterjee S., Rajbanshi J.	Responses of soil organic carbon to conservation practices including climate-smart agriculture in tropical and subtropical regions: A meta-analysis	2022	Science of the Total Environment	805		Article
Dasgupta D., Kundu A., Dasgupta N.	An insight to the cryospheric level in Mars: Case study from the Thaumasia Minor	2022	Icarus	372		Article

Ghosh A.K., Saha U., Biswas S., AL Othman Z.A., Islam M.A., Dolai M.	Anthracene-triazole-dicarboxylate-Based Zn(II) 2D Metal Organic Frameworks for Efficient Catalytic Carbon Dioxide Fixation into Cyclic Carbonates under Solvent-Free Condition and Theoretical Study for the Reaction Mechanism	2022	Industrial and Engineering Chemistry Research	61	175	Article
Benaoum H.B., Yang W., Pan S., Di Valentino E.	Modified emergent dark energy and its astronomical constraints	2022	International Journal of Modern Physics D			Article
Basu S., Chatterjee S., Ray S., Maity S., Ghosh P., Bhaumik A., Mukhopadhyay C.	Green synthesis of C5–C6-unsubstituted 1,4-DHP scaffolds using an efficient Ni–chitosan nanocatalyst under ultrasonic conditions	2022	Beilstein Journal of Organic Chemistry	18	133	Article
Datta A., Acharyya M.	Modeling the spread of an epidemic in presence of vaccination using cellular automata	2022	International Journal of Modern Physics C			Article
Mondal J., Khajanchi S.	Mathematical modeling and optimal intervention strategies of the COVID-19 outbreak	2022	Nonlinear Dynamics			Article
Boral A., Khamaru M., Mitra D.	Designing synthetic transcription factors: A structural perspective	2022	Advances in Protein Chemistry and Structural Biology			Book Chapter
Tikendra L., Apuna N., Potshangbam A.M., Amom T., Choudhary R., Sanayaima R., Dey A., Nongdam P.	Dendrobium sp.: In vitro Propagation of Genetically Stable Plants and Ethnomedicinal Uses	2022	Reference Series in Phytochemistry		453	Book Chapter
Chaudhuri D., Majumder S., Datta J., Giri K.	Designing of nanobodies against Dengue virus Capsid: a computational affinity maturation approach	2022	Journal of Biomolecular Structure and Dynamics			Article
Maity S., Guchhait R., Sarkar M.B., Pramanick K.	Occurrence and distribution of micro/nanoplastics in soils and their phytotoxic effects: A review	2022	Plant Cell and Environment			Review
Nandy S., Das T., Tudu C.K., Mishra T., Ghorai M., Gadekar V.S., Anand U., Kumar M., Behl T., Shaikh N.K., Jha N.K., Shekhawat M.S., Pandey D.K., Dwivedi P., Radha, Dey A.	Unravelling the multi-faceted regulatory role of polyamines in plant biotechnology, transgenics and secondary metabolomics	2022	Applied Microbiology and Biotechnology			Review
Bajpayee S., Das B.	Speciation in Chloroform + Diisopropyl Ether Binaries in the Light of the Ideal Associated Solution Model Using Viscometric Data	2022	Journal of Solution Chemistry			Article

Maitra T., Mukherjee S., Pradhan A., Mukherjee S., Nayak A., Bhunia S.	Spectral and temporal performance enhancement in a symmetric co-planar Au–Ge/AlGaAs/Au–Ge natural superlattice-based MSM photodetector	2022	Journal of Materials Science: Materials in Electronics			Article
M M., Badhepuri M.K., M C., Sandhya D., Dey A., Kumar V., Faisal M., Alatar A.A., Singh R.K., Shekhawat M.S.	Validation of meta Topolin in organogenesis, improved morphophysio-chemical responses, and clonal fidelity analysis in <i>Dioscorea pentaphylla</i> L. – an underutilized yam species	2022	South African Journal of Botany			Article
Das A., Bose S., Dasgupta S., Roy S., Mukhopadhyay B.	Post-Oligocene evolution of Indo-Burma wedge: Insights from deformation structures of Tripura Mizoram fold belt	2022	Journal of Structural Geology	154		Article
Datta K.K., Ghara R., Hoque A., Majumdar S.	Large H i optical depth and redshifted 21-cm signal from cosmic dawn	2022	Monthly Notices of the Royal Astronomical Society	509	945	Article
Mondal S., Patel P.P.	Mapping, Measuring and Modelling Common Fluvial Hazards in Riparian Zones: A Brief Review of Relevant Concepts and Methods	2022	Advances in Geographic Information Science		353	Book Chapter
Kadir E.S., Gayen R.N.	Graphene oxide incorporated flexible and free-standing PVDF/ZnO composite membrane for mechanical energy harvesting	2022	Sensors and Actuators A: Physical	333		Article
Chatterjee S., Das S., Bhanja P., E. S. E., Thapa R., Ruidas S., Chongdar S., Ray S., Bhaumik A.	Ag nanoparticles immobilized over highly porous crystalline organosilica for epoxidation of styrene using CO ₂ as oxidant	2022	Journal of CO ₂ Utilization	55		Article
Chakraborty S., Novotný J., Das J., Bardhan A., Roy S., Mondal S., Patel P.P., Santra S., Maity I., Biswas R., Maji A., Pramanik S.	Geography matters for sanitation! Spatial heterogeneity of the district-level correlates of open defecation in India	2022	Singapore Journal of Tropical Geography	43	62	Article
Nazir R., Gupta S., Dey A., Kumar V., Gupta A.P., Shekhawat M.S., Goyal P., Pandey D.K.	In vitro tuberization, genetic, and phytochemical fidelity assessment of <i>Dioscorea deltoidea</i>	2022	Industrial Crops and Products	175		Article
Debabhuti N., Mukherjee S., Neogi S., Sharma P., Sk U.H., Maiti S., Sarkar M.P., Tudu B., Bhattacharyya N., Bandopadhyay R.	A study of vegetable oil modified QCM sensor to detect β-pinene in Indian cardamom	2022	Talanta	236		Article
Baag S., Mandal S.	Combined effects of ocean warming and acidification on marine fish and shellfish: A molecule to ecosystem perspective	2022	Science of the Total Environment	802		Review

Raychaudhuri B., Roy S.	A Proof of Concept for Estimating the Annual Atmospheric Carbon Dioxide Variation from Orbiting Carbon Observatory-3 vEarly Data	2022	IEEE Geoscience and Remote Sensing Letters	19		Article
Dutta T., Nandy S., Dey A.	Urban ethnobotany of Kolkata, India: a case study of sustainability, conservation and pluricultural use of medicinal plants in traditional herbal shops	2022	Environment, Development and Sustainability	24	1207	Article
Sen R.	On generalized $\gamma\mu$ -closed sets and related continuity	2021	Acta Universitatis Sapientiae, Mathematica	13	483	Article
Dutta W., Basuthakur P., Ray P.	Gardening the menace!	2021	Environmental and Sustainability Indicators	12		Article
Rajbanshi S., Palit R., Raut R., Wang Y.Y., Ren Z.X., Meng J., Chen Q.B., Ali S., Pai H., Babra F.S., Banik R., Bhattacharya S., Bhattacharyya S., Dey P., Malik S., Mukherjee G., Laskar M.S.R., Nandi S., Santra R., Trivedi T., Ghugre S.S., Goswami A.	Evidence of octupole correlation in Se 79	2021	Physical Review C	104		Article
Chandra S.	Effect of a uniform random external magnetic field with spatiotemporal variation on compensation in Ising spin-1/2 trilayered square ferrimagnets	2021	Physical Review E	104		Article
Banerjee K., Buff X., Canela J., Epstein A.	Tips of tongues in the double standard family	2021	Nonlinearity	34	8174	Article
Swamy M.K., Nath S., Paul S., Jha N.K., Purushotham B., Rohit K.C., Dey A.	Biotechnology of camptothecin production in <i>Nothapodytes nimmoniana</i> , <i>Ophiorrhiza</i> sp. and <i>Camptotheca acuminata</i>	2021	Applied Microbiology and Biotechnology	105	9089	Review
Samanta J., Mondal A., Das S., Chakraborty S., Sengupta A.	Induction of cardiomyocyte calcification is dependent on FoxO1/NFATc3/Runx2 signaling	2021	In Vitro Cellular and Developmental Biology - Animal	57	973	Article
Mukherjee S.	Crab-Rangoons in Kyrat: (Re)Writing South-Asian History in Far Cry 4	2021	Games and Culture	16	1065	Article
Khajanchi S., Nieto J.J.	Spatiotemporal dynamics of a glioma immune interaction model	2021	Scientific Reports	11		Article
Biswas C., Maity S., Adhikari M., Chatterjee A., Guchhait R., Pramanick K.	Pharmaceuticals in the Aquatic Environment and Their Endocrine Disruptive Effects in Fish	2021	Proceedings of the Zoological Society	74	507	Review

Shahnawaz, Pandey D.K., Konjengbam M., Dwivedi P., Kaur P., Kumar V., Ray D., Ray P., Nazir R., Kaur H., Parida S., Dey A.	Biotechnological interventions of in vitro propagation and production of valuable secondary metabolites in Stevia rebaudiana	2021	Applied Microbiology and Biotechnology	105	8593	Review
Zaweed S.	The Waqf Estates of Pāndūa: Historical Analysis (from Fifteenth to Twentieth Centuries)	2021	Indian Historical Review	48	273	Article
Chakraborty A., Bhattacharjee A., Chatterjee S.	Properties of very broad line MgII radio-loud and radio-quiet quasars	2021	Galaxies	9		Article
Chakraborti T.M., Ray A., Okada I., Yoshikawa M., Shibata T., Deb G.K., Hayasaka Y.	High temperature fluid-rock interaction recorded in a serpentinized wehrlite from eastern Singhbum Craton, India: Evidence from mineralogy, geochemistry and in situ trace elements of clinopyroxene	2021	Lithos	404-405		Article
Das S.K., Ganguly M., Ghosh M., Mani D., Kalpana M.S., Kumar S.	Role of tectonic activities on kerogen maturity and carbon stable isotope signature of coal	2021	Journal of Earth System Science	130		Article
Apana N., Amom T., Tikendra L., Potshangbam A.M., Dey A., Nongdam P.	Genetic diversity and population structure of Clerodendrum serratum (L.) Moon using CBDP, iPBS and SCoT markers	2021	Journal of Applied Research on Medicinal and Aromatic Plants	25		Article
Ghosh R., Majumder R., Kundu S., Pradhan M., Roy S., Gayen R., Pal Chowdhury M.	Effect of grain–grain boundary on ZnO nanorod-based UV photosensor: a complex impedance spectroscopic study	2021	Journal of Materials Science	56	19128	Article
Kaur P., Gupta R.C., Dey A., Malik T., Pandey D.K.	Optimization of harvest and extraction factors by full factorial design for the improved yield of C-glucosyl xanthone mangiferin from Swertia chirata	2021	Scientific Reports	11		Article
Sarkar D.P., Ando J.-I., Kano A., Kato H., Ghosh G., Das K.	Carbonate clumped isotope thermometry of fault rocks and its possibilities: tectonic implications from calcites within Himalayan Frontal Fold-Thrust Belt	2021	Progress in Earth and Planetary Science	8		Article
El-Saber Batiha G., Hussein D.E., Algammal A.M., George T.T., Jeandet P., Al-Snafi A.E., Tiwari A., Pagnossa J.P., Lima C.M., Thorat N.D., Zahoor M., El-Esawi M., Dey A., Alghamdi S., Hetta H.F., Cruz-Martins N.	Corrigendum to Application of natural antimicrobials in food preservation: Recent views [Food Control 126 (2021) 108066] (Food Control (2021) 126, (S0956713521002048), (10.1016/j.foodcont.2021.108066))	2021	Food Control	130		Erratum

Pal P., Biswas S., Mukhopadhyay P.K.	Molecular perspective concerning fluoride and arsenic mediated disorders on epididymal maturation of spermatozoa: A concise review	2021	Human and Experimental Toxicology	40	2025	Review
Pandey D.K., Kaur P., Kumar V., Banik R.M., Malik T., Dey A.	Screening the elite chemotypes of <i>Gloriosa superba</i> L. in India for the production of anticancer colchicine: simultaneous microwave-assisted extraction and HPTLC studies	2021	BMC Plant Biology	21		Article
Debnath T., Chaudhury P., Mukherjee T., Mondal D., Ghosh P.K.	Escape kinetics of self-propelled particles from a circular cavity	2021	Journal of Chemical Physics	155		Article
Joardar S., Mandal A.	Invariance of KMS states on graph C*-algebras under classical and quantum symmetry	2021	Proceedings of the Edinburgh Mathematical Society	64	762	Article
Mani S., Swargiary G., Singh M., Agarwal S., Dey A., Ojha S., Jha N.K.	Mitochondrial defects: An emerging theranostic avenue towards Alzheimer's associated dysregulations	2021	Life Sciences	285		Review
Dey A., Nandy S.	CRISPER/Cas in Plant Natural Product Research: Therapeutics as Anti-cancer and other Drug Candidates and Recent Patents	2021	Recent Patents on Anti-Cancer Drug Discovery	16	460	Short Survey
Bhattacharya S., Bandyopadhyay T.	Revisiting the evolving Lorentzian wormhole: a general perspective	2021	General Relativity and Gravitation	53		Article
Sasi M., Kumar S., Kumar M., Thapa S., Prajapati U., Tak Y., Changan S., Saurabh V., Kumari S., Kumar A., Hasan M., Chandran D., Radha, Bangar S.P., Dhumal S., Senapathy M., Thiagarajan A., Alhariri A., Dey A., Singh S., Prakash S., Pandiselvam R., Mekhemar M.	Garlic (<i>Allium sativum</i> L.) bioactives and its role in alleviating oral pathologies	2021	Antioxidants	10		Review
Chakraborty S., Biswas P., Dutta S., Basak M., Guha S., Chatterjee U., Das M.	Studies on reproductive development and breeding habit of the commercially important bamboo <i>bambusa tulda</i> roxb	2021	Plants	10		Article
Kaur D., Behl T., Chigurupati S., Sehgal A., Singh S., Sharma N., Badavath V.N., Vargas-De-La-Cruz C., Bhatia S., Al-Harrasi A., Dey A., Aleva L., Bungau S.	Deciphering the focal role of endostatin in Alzheimer's disease	2021	Environmental Science and Pollution Research	28	61998	Review
Maity S., Biswas C., Banerjee S., Guchhait R., Adhikari M., Chatterjee A., Pramanick K.	Interaction of plastic particles with heavy metals and the resulting toxicological impacts: a review	2021	Environmental Science and Pollution Research	28	60291	Review

Sengupta P., Bose A., Sen K.	Liposomal Encapsulation of Phenolic Compounds for Augmentation of Bio-Efficacy: A Review	2021	ChemistrySelect	6	10447	Review
Yang W., Pan S., Di Valentino E., Mena O., Melchiorri A.	2021-H0odyssey: Closed, phantom and interacting dark energy cosmologies	2021	Journal of Cosmology and Astroparticle Physics	2021		Article
Murmu C.S., Majumdar S., Datta K.K.	C ii and H i 21-cm line intensity mapping from the EoR: Impact of the light-cone effect on auto and cross-power spectra	2021	Monthly Notices of the Royal Astronomical Society	507	2500	Article
Raychaudhuri B., Roy S.	Martian atmospheric spectral radiance used as model for water vapor correction of terrestrial carbon dioxide absorption profile around 2 μ m	2021	IEEE Geoscience and Remote Sensing Letters	18	1693	Article
Sharma V., Dash S.K., Govarthanan K., Gahtori R., Negi N., Barani M., Tomar R., Chakraborty S., Mathapati S., Bishi D.K., Negi P., Dua K., Singh S.K., Gundamaraju R., Dey A., Ruokolainen J., Thakur V.K., Kesari K.K., Jha N.K., Gupta P.K., Ojha S.	Recent advances in cardiac tissue engineering for the management of myocardium infarction	2021	Cells	10		Review
Biswas S., Das A.	A family of tetravalent half-arc-transitive graphs	2021	Proceedings of the Indian Academy of Sciences: Mathematical Sciences	131		Article
Pani A., Ghatak I., Mishra P.	Understanding the water conservation and management in India: an integrated study	2021	Sustainable Water Resources Management	7		Article
Patel P.P., Dasgupta R., Chanda S., Mondal S.	An investigation into longitudinal forms of gullies within the “Grand Canyon” of Bengal, Eastern India	2021	Transactions in GIS	25	2501	Article
Mukherjee A., Nandy A., Chakrabarti A.	Ring-localized states, radial aperiodicity and quantum butterflies on a Cayley tree	2021	Physica E: Low-Dimensional Systems and Nanostructures	134		Article
Chatterjee R., Das S., Khasnovis A., Ghosh R., Kumari N., Naik S., Larionov V.M., Grishina T.S., Kopatskaya E.N., Larionova E.G., Nikiforova A.A., Morozov D.A., Savchenko S.S., Troitskaya Y.V., Troitsky I.S., Vasilyev A.A.	Short-timescale variability of the blazar Mrk 421 from AstroSat and simultaneous multi-wavelength observations	2021	Journal of Astrophysics and Astronomy	42		Article

Ray S.K., Das S.K., Chatterjee S., Patel P.P., Ekblad A., Yoshida K.	Modern analogue to past coseismic ground uplift in North Andaman, India	2021	Catena	205		Article
Pal A., Chatterjee S.	Influence of seasonal variability in the environmental factors on tropical cyclone activity over the Bay of Bengal region	2021	Spatial Information Research	29	673	Article
Chakraborty A., Ray P.	Mycoherbicides for the Noxious Meddlesome: Can <i>Colletotrichum</i> be a Budding Candidate?	2021	Frontiers in Microbiology	12		Review
Husain Z., Das A.K., Ghosh S.	National lockdown and covid-19 containment in india	2021	Economic and Political Weekly	56	36	Article
Chakraborty M., Banerjee R., Gayen R.N.	Highly transparent graphene oxide composited TiO ₂ thin film as efficient photoanode for dye-sensitized solar cells	2021	AIP Conference Proceedings	2369		Conference Paper
Kadir E.S., Gayen R.N.	DC bias dependent impedance spectroscopic study of polycrystalline copper oxide thin films	2021	AIP Conference Proceedings	2369		Conference Paper
Ray S., Deb D., Nandy A., Basu D., Aich A., Tripathi S., Roy S.S., Sarkar M.P.	Rare and neglected rice landraces as a source of fatty acids for undernourished infants	2021	Current Science	121	660	Article
Li Y., Ghosh P.K., Marchesoni F.	Enhanced buoyancy of active particles in convective flows	2021	Physical Review Research	3		Article
Sarbadhikary S.	The breathing body, whistling flute, and sonic divine: Oneness and distinction in bengal vaishnavism's devotional aesthetics	2021	Religions	12		Article
Rajbanshi S., Bhattacharya S., Raut R., Palit R., Ali S., Santra R., Pai H., Babra F.S., Banik R., Bhattacharyya S., Dey P., Mukherjee G., Laskar Md.S.R., Nandi S., Trivedi T., Ghugre S.S., Goswami A.	Experimental evidence of exact E(5) symmetry in Kr 82	2021	Physical Review C	104		Article
Das S., Bhattacharya S.	Factors affecting beach walkability-Tourists' perception study at selected beaches of West Bengal, India	2021	Journal of Outdoor Recreation and Tourism	35		Article
Ali H., Ghosh S., Mondal A.	Nickel sulphide flakes improved cone-shaped graphite electrode for high-performance OER activity	2021	Bulletin of Materials Science	44		Article
Chakraborty S., Kumar P., Sanyal R., Mane A.B., Arvind Prasanth D., Patil M., Dey A.	Unravelling the regulatory role of miRNAs in secondary metabolite production in medicinal crops	2021	Plant Gene	27		Article
Sarbadhikary S.	The leftover untouch: Sensing caste in the modern urban lives of a devotional instrument	2021	Religion and the City in India		130	Book Chapter

Sen H.	Bengali daughter, Bengali child: The roles and routes to understanding childhood	2021	Transdisciplinary Ethnography in India: Women in the Field		86	Book Chapter
Majumdar A.	Manabendra Nath Roy	2021	Revisiting Modern Indian Thought: Themes and Perspectives		203	Book Chapter
Mondal S., Hazra S., Shit A., Chatterjee D.P., Banerjee A., Nandi A.K.	Development of Polythiophene-Tripeptide Covalent Conjugates Showing Excellent Structure-Dependent Photophysical and Photocurrent Properties	2021	Journal of Physical Chemistry C	125	17518	Article
Maity A., Chakrabarti A.	Engineering insulator-metal transition in a class of decorated aperiodic lattices: A quantum dynamical study	2021	Physics Letters, Section A: General, Atomic and Solid State Physics	406		Article
Sharifi-Rad J., Quispe C., Alfred M.A., Anil Kumar N.V., Lombardi N., Cinquanta L., Iriti M., Varoni E.M., Gupta G., Chellappan D.K., Dua K., Cardoso S.M., Peron G., Dey A., Cruz-Martins N., Rodrigues C.F.	Current trends on resveratrol bioactivities to treat periodontitis	2021	Food Bioscience	42		Review
Basu M., Chatterjee A., Chakraborty B., Chatterjee E., Ghosh S., Samadder S., Pal D.K., Roy A., Chakrabarti J., Ghosh A., Panda C.K.	High nuclear expression of HIF1 α , synergizing with inactivation of LIMD1 and VHL, portray worst prognosis among the bladder cancer patients: association with arsenic prevalence	2021	Journal of Cancer Research and Clinical Oncology	147	2309	Article
Nayek D.	Politicising the body of the 'other': India's gaze at Pakistan	2021	Film, Media and Representation in Postcolonial South Asia: Beyond Partition		161	Book Chapter
Kundu P., Saha S., Gangopadhyay G.	A Revisit to Turnover Kinetics of Individual Escherichia coli β -Galactosidase Molecules	2021	Journal of Physical Chemistry B	125	8010	Article
Mukherjee S., Shil A., Pal K., Pal S., Sikdar M.	Comparative evaluation of the antibacterial and cytotoxic activity of green synthesized and commercially available zno nanoparticles	2021	Biomedicine (India)	41	565	Article
Roy S., Bhattacharya A., Majumdar N.K., Dolui A., Bhattacharya S.	Comparative analysis of efficacy & safety of prostaglandin-timolofixed combination versus adding ripasudil to prostaglandin in primary open angle glaucoma patients with insufficient iop controwith prostaglandin analogue monotherapy — an open label, randomised study	2021	Journal of the Indian Medical Association	119	22	Article

Laskar M.S.R., Palit R., Ideguchi E., Inakura T., Mishra S.N., Babra F.S., Bhattacharya S., Choudhury D., Das B., Das B., Dey P., Garg U., Jain A.K., Kundu A., Kumar D., Negi D., Pancholi S.C., Rajbanshi S., Sihotra S.	Enhanced strength observed in	2021	Physical Review C	104		Article
Ganguly A., Dhaulakhandi R., Behera B.K., Panigrahi P.K.	Demonstration of minisuperspace quantum cosmology using quantum computational algorithms on IBM quantum computer	2021	Quantum Information Processing	20		Article
Naskar M., Acharyya M.	Competitive metastable behaviours of surface and bulk in Ising ferromagnet	2021	European Physical Journal B	94		Article
Naskar M., Acharyya M., Vatansever E., Fytas N.G.	Metastable behavior of the spin- s Ising and Blume-Capel ferromagnets: A Monte Carlo study	2021	Physical Review E	104		Article
Ghosh K., Nayek N., Das S., Biswas N., Sinha S.	Design and synthesis of ferrocene-tethered pyrazolines and pyrazoles: Photophysical studies, protein-binding behavior with bovine serum albumin, and antiproliferative activity against MDA-MB-231 triple negative breast cancer cells	2021	Applied Organometallic Chemistry	35		Article
Pramanik S., Ray S., Maity S., Ghosh P., Mukhopadhyay C.	Diastereoselective trans Cyclopropanation of 3-Alkylidene Oxindoles with in Situ Generated α -Diazo Carbonyls or α,β -Unsaturated Diazo Compounds	2021	Synthesis (Germany)	53	2240	Article
Pyne D.K., Chatterjee S., Biswas T., Saha P., Dutta P., Halder A.	Photoluminescence amplification of cerium incorporated graphene oxide nanoparticles by photoinduced reduction: A mechanistic study highlighting structural orderness	2021	Journal of Luminescence	235		Article
Samanta K., Sarkar A., Sarkar A.K., Kar G.K.	An Expedite Synthesis of Some Angularly Fused Novel 'U'-Shaped Tetracyclic Euphenanthraquinones Simulating ABCD Rings of Isotanshinone-II	2021	ChemistrySelect	6	6006	Article
Chakrabarti G., Sen C.	Dynamic market risk of green stocks across regions: Where does the devil lie?	2021	Journal of Cleaner Production	303		Article
Pal A., Chatterjee S.	The influence of upper level surrounding winds on tropical cyclone motion: a case study of the Bay of Bengal region	2021	Proceedings of the Indian National Science Academy	87	343	Article

Navascués M.A., Mohapatra R., Akhtar M.N.	Fractal frames of functions on the rectangle	2021	Fractal and Fractional	5		Article
Ghosh M., Mandal S.	Disentangling the Effect of Seasonal Dynamics on Meiobenthic Community Structure From River Matla of Sundarbans Estuarine System, India	2021	Frontiers in Marine Science	8		Article
Kaur P., Pandey D.K., Gupta R.C., Kumar V., Dwivedi P., Sanyal R., Dey A.	Biotechnological interventions and genetic diversity assessment in <i>Swertia</i> sp.: a myriad source of valuable secondary metabolites	2021	Applied Microbiology and Biotechnology	105	4427	Review
Banerjee P., Biswas M.	Application of habitat modification score and fluvial functioning index in discussion of eco-hydrological behavior and flood risk zonation of Himalayan foothill rivers, West Bengal, India	2021	Acta Geophysica	69	877	Article
Mondal R., Ray A., Ghosh R.	Petrogenesis of the gabbronorite sill hosted Fe-Ti oxide ore bodies from the eastern part of Chotanagpur granite Gneissic Complex, India	2021	Ore Geology Reviews	133		Article
Yin Q., Li Y., Marchesoni F., Nayak S., Ghosh P.K.	Non-Gaussian normal diffusion in low dimensional systems	2021	Frontiers of Physics	16		Review
Paul S., Roy P., Das S., Ghosh S., Sardar P.S., Majhi A.	Addressing the exigent role of a coumarin fluorophore toward finding the suitable microenvironment of biomimicking and biomolecular systems: Steering to project the drug designing and drug delivery study	2021	ACS Omega	6	11878	Article
Mukherjee T., Pandey M., Majumdar D., Halder A.	Estimation of baryon asymmetry from dark matter decaying into IceCube neutrinos	2021	International Journal of Modern Physics A	36		Article
Santra P.K., Chakraborty A., Mukhopadhyay J., Bandyopadhyay S.	Bioturbation by crab populations vis-à-vis sediment dispersal in Sagar Island, Hugli Estuary, India	2021	Arabian Journal of Geosciences	14		Article
Ghosh S., Dr.	Economist and statesman	2021	Poverty in Contemporary Economic Thought		28	Book Chapter
Mukherjee S., Batalha N.E., Marley M.S.	Cloud Parameterizations and their Effect on Retrievals of Exoplanet Reflection Spectroscopy	2021	Astrophysical Journal	910		Article
Paul T., Roy R., Sarkar R.D., Sinha S., Biswas N.	H ₂ O ₂ mediated FLIP and XIAP down-regulation involves increased ITCH expression and ERK-Akt crosstalk in imatinib resistant Chronic Myeloid Leukemia cell line K562	2021	Free Radical Biology and Medicine	166	265	Article

Nandy T., Baag S., Mandal S.	Impact of elevated temperature on physiological energetics of <i>Penaeus monodon</i> post larvae: A mesocosm study	2021	Journal of Thermal Biology	97		Article
Das T., Acharyya M.	Transient behavior towards the stable limit cycle in the Sel'kov model of Glycolysis: A physiological disorder	2021	Physica A: Statistical Mechanics and its Applications	567		Article
Kundu A., Laskar Md.S.R., Palit R., Raut R., Santra S., Shimizu N., Togashi T., Ideguchi E., Pai H., Ali S., Babra F.S., Banik R., Bhattacharya S., Biswas S., Das B., Dey P., Donthi R., Goswami A., Jadhav S., Mukherjee G., Naidu B.S., Rajbanshi S., Singh L.P., Sharma H.P., Tiwary S.S., Vazhappilly A.T.	New lifetime measurement for the 21+ level in Sn 112 by the Doppler-shift attenuation method	2021	Physical Review C	103		Article
Giri R., Chaudhuri S.K.	Ranking journals through the lens of active visibility	2021	Scientometrics	126	2189	Article
Maity S., Adhikari M., Banerjee S., Guchhait R., Chatterjee A., Pramanick K.	Critical analysis of biophysicochemical parameters for qualitative improvement of phytopathogenic nanoparticles	2021	Biotechnology Progress	37		Review
Ghosh P.K., Debnath D., Li Y., Marchesoni F.	Diffusion of active particles in convective flows	2021	Soft Matter	17	2256	Article
Naskar P., Chakraborty P., Kundu D., Maiti A., Biswas B., Banerjee A.	Envisaging Future Energy Storage Materials for Supercapacitors: An Ensemble of Preliminary Attempts	2021	ChemistrySelect	6	1127	Review
Pal A., Verma P., Paul S., Majumder I., Kundu R.	Two species of <i>Ulva</i> inhibits the progression of cervical cancer cells SiHa by means of autophagic cell death induction	2021	3 Biotech	11		Article
Chakraborty A., Datta A., Roy N., Bharadwaj S., Choudhury T.R., Datta K.K., Pal S., Choudhury M., Choudhury S., Dutta P., Sarkar D.	First multi-redshift limits on post-epoch of reionization 21cm signal from $z = 1.96\text{--}3.58$ Using uGMRT	2021	Astrophysical Journal Letters	907		Article
Rakshit S., Ghosh S., Roy R., Bhattacharya S.C.	Non-enzymatic electrochemical glucose sensing by Cu ₂ O octahedrons: elucidating the protein adsorption signature	2021	New Journal of Chemistry	45	628	Article
Raychaudhuri B., Roy S.	Detection of point source of carbon dioxide using hyperspectral imaging sensor	2021	Proceedings of CONECCT 2021: 7th IEEE International Conference on Electronics, Computing and Communication Technologies			Conference Paper

Adhikari A., Küsters R., Preneel B.	Preface	2021	Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics)	13143 LNCS	v	Editorial
Nayek D.	Subverting the dominant structure through graphic narratives: from the dissenting printed comics to the subcultural noise of webcomics	2021	Journal of Graphic Novels and Comics			Article
Das R.	An optimal design in a two-stage ethical allocation based on U-statistics	2021	Journal of Statistical Computation and Simulation			Article
Mandal J., Patel P.P., Samanta S.	Examining the expansion of Urban Heat Island effect in the Kolkata Metropolitan Area and its vicinity using multi-temporal MODIS satellite data	2021	Advances in Space Research			Article
Deb G.K., Ray A.	Deformation of the Shillong Group rocks, Shillong Basin, Meghalaya, north-east India: Implication on the Proterozoic supercontinent build-up	2021	Geological Journal			Article
Yılmaz M.A., Taslimi P., Kılıç Ö., Gülçin İ., Dey A., Bursal E.	Unravelling the phenolic compound reserves, antioxidant and enzyme inhibitory activities of an endemic plant species, <i>Achillea pseudoaleppica</i>	2021	Journal of Biomolecular Structure and Dynamics			Article
Sarkar B., Das P., Islam N., Basak A., Debnath M., Roy R.	Land suitability analysis for paddy crop using GIS-based Fuzzy-AHP (F-AHP) method in Koch Bihar district, West Bengal	2021	Geocarto International			Article
Rout D.	Literary fiction as popular fiction: Reading Jhumpa Lahiri's interpreter of Maladies	2021	Indian Popular Fiction: New Genres, Novel Spaces		53	Book Chapter
Ghosh G., Ganguly P., Karmakar S., Bose S., Mukhopadhyay J., Ghosh S.	Development of Crustal-Scale Shear Zones at the Singhbhum Craton–Eastern Ghats Belt Boundary Region: A Critical Review of the Mesoarchean–Neoproterozoic Odyssey	2021	Lithosphere	2021		Article
Kumar P., Biswas A., Banerjee S., Rathore S., Rana V., Ram K., Acharya T.	Integrating magnetic susceptibility, hydrogeochemical, and isotopic data to assess the seawater invasion in coastal aquifers of Digha, West Bengal, India	2021	Environmental Science and Pollution Research			Article
Pramanik J., Adhikari A.	Evolving Secret Sharing in Almost Semi-honest Model	2021	Communications in Computer and Information Science	1497 CCIS	123	Conference Paper

Paul I., Poddar Sarkar M., Bhadoria P.B.S.	Floral secondary metabolites in context of biotic and abiotic stress factors	2021	Chemoecology			Review
Mukhopadhyay U., Majumdar D., Datta K.K.	Explaining the Results of EDGES Observation of 21 cm Line with Dark Matter-Dark Energy and Dark Matter-Baryon Interactions	2021	Letters in High Energy Physics	2021		Article
Poddar Sarkar M., Biswas Raha A., Datta J., Mitra S.	Chemotaxonomic and evolutionary perspectives of Bryophyta based on multivariate analysis of fatty acid fingerprints of Eastern Himalayan mosses	2021	Protoplasma			Article
Sarkar A., Kumari N., Mukherjee P.	The curious case of SARM1: Dr. Jekyll and Mr. Hyde in cell death and immunity?	2021	FEBS Journal			Review
Dhabhai G.	The Purusharthi refugee: Sindhi migrants in Jaipur's walled city	2021	Home, Belonging and Memory in Migration: Leaving and Living		233	Book Chapter
Halder K., Mitra A.	Facultative monogamy in an early Eocene brooding oyster and its evolutionary implications	2021	Acta Palaeontologica Polonica	66	647	Article
Paul S., Dey S., Kundu R.	Seed priming: an emerging tool towards sustainable agriculture	2021	Plant Growth Regulation			Review
Mukherjee S.	The idea of Viśva Bhāratī: cosmopolitanism, transculturality and education in early twentieth century South Asia	2021	South Asian History and Culture	12	436	Article
Katoch K., Gupta S., Nazir R., Kumar V., Sanyal R., Dey A., Pandey D.K.	Establishment of adventitious root culture from leaf explants of <i>Plumbago zeylanica</i> : an endangered medicinal plant	2021	Vegetos			Article
Dutta P., Sengupta A., Chakraborty S.	Epigenetics: a new warrior against cardiovascular calcification, a forerunner in modern lifestyle diseases	2021	Environmental Science and Pollution Research			Review
Taheri Y., Herrera-Bravo J., Huala L., Salazar L.A., Sharifi-Rad J., Akram M., Shahzad K., Melgar-Lalanne G., Baghalpour N., Tamimi K., Mahroo-Bakhtiyari J., Kriegel D., Dey A., Kumar M., Suleria H.A.R., Cruz-Martins N., Cho W.C.	Cyperus spp.: A Review on Phytochemical Composition, Biological Activity, and Health-Promoting Effects	2021	Oxidative Medicine and Cellular Longevity	2021		Review
Barman T., Samant S.S., Jyoti, Dey A., Nandy S., Maitra R., Tiwari L.M., Anjana	Sustainable employment of folkloric botanicals and conservation practices adopted by the inhabitants of Parbati Valley of North Western Himalaya, India in healing substantial corporeal disorders	2021	Advances in Traditional Medicine			Article

Chakraborty S., Pal S., Paul S.	Nanoparticles mediated cadmium toxicity amelioration in plants	2021	Plant Science Today	8	897	Review
Nandy T., Saha A., Mandal S., Chatterjee M.	Diel and Tidal Variations of Larvae and Juveniles of Metapenaeus dobsoni from Sundarbans Estuarine System, India	2021	Thalassas			Article
Banerji S., Mitra D.	Assessment of air quality in Kolkata before and after COVID-19 lockdown	2021	Geocarto International			Article
Mohan A.	The lumpenproletariat and the itinerary of a concept: Some literary reflections	2021	Asian Review of World Histories	9	225	Review
Mondal S.	Truth-Telling to Terminal Stage Cancer Patients in India: A Study of the General Denial to Disclosure	2021	Omega (United States)			Article
Majumder S., Giri K.	An insight into the binding mechanism of Viprinin and its morpholine and piperidine derivatives with HIV-1 Vpr: molecular dynamics simulation, principal component analysis and binding free energy calculation study	2021	Journal of Biomolecular Structure and Dynamics			Article
Aafreedi N.J., Singh P.	Conceptualizing mass violence: Representations, recollections, and reinterpretations	2021	Conceptualizing Mass Violence: Representations, Recollections, and Reinterpretations		1	Editorial
Aafreedi N.J.	Holocaust education in India and its challenges	2021	Conceptualizing Mass Violence: Representations, Recollections, and Reinterpretations		138	Book Chapter
Aafreedi N.J., Singh P.	Reading mass violence	2021	Conceptualizing Mass Violence: Representations, Recollections, and Reinterpretations		3	Book Chapter
Das A., Mandal A.	Classification of cayley rose window graphs	2021	Theory and Applications of Graphs	8		Article
Das A.	Connected domination value in graphs	2021	Electronic Journal of Graph Theory and Applications	9	113	Article
Das A.	On neighborhood graphs: Domination, coloring and other properties	2021	Discrete Mathematics, Algorithms and Applications			Article
Wahid K., Das A., Rani A., Amanat S., Imran M., Ali U.	On twin preserving spanning subgraph	2021	Journal of Intelligent and Fuzzy Systems	40	9505	Article

Bhowmik M., Ghoshal P., Salazar-Vallejo S.I., Mandal S.	Sigambra sundarbanensis sp. nov. (Annelida, Pilargidae) from the Indian sector of Sundarbans Estuarine System, with remarks on parapodial glands	2021	European Journal of Taxonomy	2021	49	Article
Chandra Das B., Sardar M.K., Adhikari A.	Efficient Random Grid Visual Cryptographic Schemes having Essential Members	2021	Lecture Notes in Electrical Engineering	744 LNEE	33	Conference Paper
Mukhopadhyay J., Armstrong R.A., Gutzmer J., De Kock M., Beukes N.J.	Stratigraphy, depositional setting, and shrimp u-pb geochronology of the banded iron formation-bearing bailadila group in the bacheli iron ore mining district, bastar craton, india	2021	Journal of Geology	129	115	Article
Debnath A., Adhikari A.	On Determination of ϕ -1(2apa1)	2021	Lecture Notes in Mechanical Engineering		47	Conference Paper
Pal P., Mukhopadhyay P.K.	Fluoride induced testicular toxicities in adult Wistar rats	2021	Toxicology Mechanisms and Methods	31	383	Article
Saha P., Sarkar A., Sabnam N., Shirke M.D., Mahesh H.B., Nikhil A., Rajamani A., Gowda M., Roy-Barman S.	Comparative analysis of secondary metabolite gene clusters in different strains of Magnaporthe oryzae	2021	FEMS Microbiology Letters	368		Article
Pal A., Tapadar P., Pal R.	Exploring the molecular mechanism of cinnamic acid-mediated cytotoxicity in triple negative mda-mb-231 breast cancer cells	2021	Anti-Cancer Agents in Medicinal Chemistry	21	1141	Article
Chakraborty A., Bhattacharjee A.	Spectroscopic properties of radio-loud and radio-quiet quasars	2021	Proceedings of the International Astronomical Union		72	Conference Paper
Chakraborty A., Bhattacharjee A.	Black hole mass, jet, and accretion disk connection: An analysis of radio-loud and radio-quiet quasars	2021	Astronomische Nachrichten	342	142	Article
Kar Chowdhury R., Roy S., Chatterjee S., Khandai N., Sarazin C.L., Di Matteo T.	Simulated X-ray emission in galaxy clusters with feedback from active galactic nuclei	2021	Astronomische Nachrichten	342	164	Article
Baral P., Roy S.K., Pal S.	Prospects of probing dark energy with eLISA: Standard versus null diagnostics	2021	Monthly Notices of the Royal Astronomical Society	500	2896	Article
Pramanik J., Adhikari A.	Evolving Secret Sharing with Essential Participants	2021	Advances in Intelligent Systems and Computing	1255	691	Conference Paper
Dutta S., Bhore T., Sardar M.K., Adhikari A., Sakurai K.	Visual Secret Sharing Scheme with Distributed Levels of Importance of Shadows	2021	Advances in Intelligent Systems and Computing	1170	19	Conference Paper

Sardar M.K., Adhikari A.	A New Lossless Secret Image Sharing Scheme for Grayscale Images with Small Shadow Size	2021	Advances in Intelligent Systems and Computing	1255	701	Conference Paper
Shil A., Mukherjee S., Bishayi B., Sikdar (Nee) Bhakta M.	A Comparison of Antibacterial Effects of Catharanthus roseus and Camellia sinensis (Black Tea) and Their Synergistic Effect along with Antibiotic against Multiple Antibiotic Resistant Strains of <i>Staphylococcus aureus</i>	2021	Journal of Herbs, Spices and Medicinal Plants	27	135	Article
Dey A., Nanda B., Nandy S., Mukherjee A., Pandey D.K.	Implications of phytochemicals as disease-modifying agents against Huntington's disease (HD): Bioactivity, animal models and transgenics, synergism and structure-activity studies	2021	Studies in Natural Products Chemistry	67	27	Book Chapter
Joardar S., Mandal A.	An example of explicit dependence of quantum symmetry on KMS states	2020	Journal of the Ramanujan Mathematical Society	35	299	Article
Laha A., Ghosh A., Moitra S., Biswas H., Saha N.C., Bhattacharya S., Saha G.K., Podder S.	Association of HLA-DQ and IL13 gene variants with challenge-proven shrimp allergy in West Bengal, India	2020	Immunogenetics	72	489	Article
Mahmood Z.	Governance and Electoral Integrity: Evidence from Subnational India	2020	Studies in Indian Politics	8	230	Article
Bhattacharya N., Thakur M.	From Protests to Policies: Actors, Spaces and Processes	2020	Sociological Bulletin	69	368	Article
Bose S., Mondal A.K., Bakshi A.K., Jose J.R.	Petrogenetic re-examination of spinel + quartz assemblage in the Larsemann Hills, East Antarctica	2020	Polar Science	26		Article
Biswas S., Bhaumik A.K.	Timing and cause of the disappearance of some elongated taxa in the Indian Ocean: Study from NGHP Hole 17A	2020	Journal of Earth System Science	129		Article
Mohan A.	Geoffrey Bawa and Ludic Modernism	2020	Economic and Political Weekly	55	56	Article
Saha J., Giri K., Roy S.	Identification and characterization of differentially expressed genes in the rice root following exogenous application of spermidine during salt stress	2020	Genomics	112	4125	Article
Chowdhury P., Chakraborty T.	Multiplicative error modeling approach for time series forecasting	2020	Proceedings of the 2020 International Conference on Computing, Communication and Security, ICCCCS 2020			Conference Paper

Hazra M., Hazra1 T., Sarkar S.K., Bera S., Khan M.A.	First fossil dragonfly from India	2020	Current Science	119	1204	Article
Mitra D., Banerji S.	Urban hydrodynamics in the planned township of New Town, West Bengal, India	2020	Applied Geography	123		Article
Volvoikar S., Mazumdar A., Peketi A., Dewangan P., Sawant B., Manaskanya A., Goswami H., Das D., Pujari S.	Erratum to “Contrasting sulfidization in the turbidite and hemipelagic sediments of Bengal Fan” [Mar. Petrol. Geol., 118C (2020) 104408] (Marine and Petroleum Geology (2020) 118, (S0264817220301914), (10.1016/j.marpetgeo.2020.104408))	2020	Marine and Petroleum Geology	120		Erratum
Bhat H.K., Chakravorty S., Sengupta D., Elvis M., Datta S.R., Roy N., Bertemes C., Ferland G., Ezhikode S.H.	Hypermassive black holes have faint broad and narrow emission lines	2020	Monthly Notices of the Royal Astronomical Society	497	2992	Article
Mukherjee S.	Sequential Group Lending with and without Group Liability; Grameen i Versus Grameen II	2020	Journal of Developmental Entrepreneurship	25		Article
De A., Mukherjee S., Sadhukhan G.C., Saha N.C.	Seasonal variation of culturable benthic soil prokaryotic microbiota as potential fish pathogens and probiotics from an aquaculture farm in east Kolkata Wetlands, India	2020	Journal of Pure and Applied Microbiology	14	1983	Article
Tamang P., Jana S.	Risk perception, choice of source and treatment decision: Exploring water consumption behaviour in Darjeeling, India	2020	Nature Environment and Pollution Technology	19	1303	Article
Mahmood Z., Banerjee S.	The State in Industrial Relations: Neoliberal Intervention or Intervening in Neoliberalism?	2020	Indian Journal of Labour Economics	63	575	Article
Mishra V., Haldar S.	Emerging Contours of Contemporary Asian Maritime Connectivity: Economic and Strategic Objectives	2020	India Quarterly	76	461	Article
Mohapatra R.K., Banik A., Sahu S.K., Panda S., Dangar T.K.	Parasites and bacteria associated with Indian pangolins <i>Manis crassicaudata</i> (Mammalia: Manidae)	2020	Global Ecology and Conservation	23		Article
Chatterjee A., Guchhait R., Maity S., Mukherjee D., Pramanick K.	Functions of interleukin-6 in ovulation of female climbing perch, <i>Anabas testudineus</i>	2020	Animal Reproduction Science	219		Article
Sarkar A., Pyne D.K., Biswas T., Das R., Kar G.K., Halder A.	Tunable luminescence of a synthesized furphenanthraquinone derivative: interactions with different solvents	2020	Luminescence	35	709	Article

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Sarbadhikary S.	The 'ideal' brahmin	2020	Economic and Political Weekly	55	29	Note
Chatterjee A.	A review of recent provenance studies from the ghaggar-hakra-nara alluvium: Link to the lost river of the harappan civilization	2020	Proceedings of the Indian National Science Academy	86	1029	Review
Masum A.A., Pal K., Saha I., Ghosh D., Roy S., Ghosh Chowdhury S., Islam M.M., Karmakar P.	Facile synthesis of antibiotic encapsulated biopolymeric okra mucilage nanoparticles: Molecular docking, in vitro stability and functional evaluation	2020	Advances in Natural Sciences: Nanoscience and Nanotechnology	11		Article
Pramanik S., Saha B., Das B.	Correlation of the Volumetric Properties of Uni-Univalent Electrolytes in Methanol-Water Mixed Solvent Media: A Pitzer Ion-Interaction Approach	2020	Journal of Solution Chemistry	49	825	Article
Chatterjee P., Ghorai N., Srinivasan G., Mukherjee T.K.	On a New Species of Praying Mantid Ephestiasula maculata sp. nov. (Mantodea: Hymenopodidae: Acromantinae) from India	2020	Proceedings of the Zoological Society	73	184	Article
Banerjee M., Von Lingen K.	Forum: Law, Empire, and Global Intellectual History: An Introduction	2020	Modern Intellectual History	17	467	Review
Moitra S., Moitra S., Ghosh A.K., Sengupta S., Das P.K., Das A., Mitra R., Murgia N., Usmani O.S.	Reference values of impulse oscillometry (IOS) for healthy Indian adults	2020	International Journal of Tuberculosis and Lung Disease	24	536	Letter
Mondal M.E.A., Ahmad I., Sayad Rahaman M., Bhutani R., Ahmad T.	An overview of precambrian geology of aravalli craton and fold belt, North-Western India	2020	Proceedings of the Indian National Science Academy	86	67	Review
Islam M.M.	Robert Southey's "Orientaliana" in Thalaba, the destroyer	2020	Romantic Weltliteratur of the Western World		23	Book Chapter
Bhattacharya D., Biswas P., Gangopadhyay S., Sikdar M.	Ameliorative effects of high-protein diet on hepatotoxic alterations in Swiss albino mice exposed to mobile phone radiation	2020	Indian Journal of Physiology and Pharmacology	64	258	Article
Bose B., Das A.	Graph theoretic representation of rings of continuous functions	2020	Filomat	34	3417	Article

Dutta S., Sardar M.K., Adhikari A., Ruj S., Sakurai K.	Color Visual Cryptography Schemes Using Linear Algebraic Techniques over Rings	2020	Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics)	12553 LNCS	198	Conference Paper
Pramanik J., Dutta S., Roy P.S., Adhikari A.	Cheating Detectable Ramp Secret Sharing with Optimal Cheating Resiliency	2020	Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics)	12553 LNCS	169	Conference Paper
Chakrabarti U.	Letter to the Editor: Response to Rahul Govind	2020	Journal of the Economic and Social History of the Orient	63	634	Letter
Paul P.	Geometric cycles in compact riemannian locally symmetric spaces of type IV and automorphic representations of complex simple lie groups	2020	Journal of Lie Theory	30	851	Article
Das P., Husain Z.	Explaining fertility decline in greater bengal: A spatial approach	2020	Population Dynamics in Eastern India and Bangladesh: Demographic, Health and Developmental Issues		49	Book Chapter
Husain Z., Sharma S.K.	Socio-economic determinants of neonatal and post-neonatal mortality: A study of bengali-speaking community in eastern India and Bangladesh	2020	Population Dynamics in Eastern India and Bangladesh: Demographic, Health and Developmental Issues		243	Book Chapter
Raju V., Das S., Bag P., Raha S.	An agamid specimen from manipur (India) formerly thought to be pseudocalotes microlepis (boulenger, 1888) seems to be an undescribed species	2020	Russian Journal of Herpetology	27	1	Article
Das S.K., Gupta N.	Early life from the proterozoic sedimentary basins of India	2020	Springer Geology		195	Book Chapter
Mukhopadhyay J.	Oxygenation of early atmosphere and potential stratigraphic records from India	2020	Springer Geology		179	Book Chapter
Pal M.	The Cognitive Model of Anuvyavasāya	2020	Journal of Indian Council of Philosophical Research	37	133	Article

Lekala M.L., Bera S., Rampho G.J., Chakrabarti B., Bhattacharyya S.	Mesoscopic Bose-Einstein Condensate in Anharmonic Trap: Concept of Transition Exponent	2020	Springer Proceedings in Physics	238	51	Conference Paper
Mukherjee A., Nandy A., Chakrabarti A.	Controlled trapping of single particle states on a periodic substrate by deterministic stubbing	2019	Physics Letters, Section A: General, Atomic and Solid State Physics	383		Article
Jha C.K., Sinha O., Chakraborty A.L.	A fiber bragg grating sensor-based wearable system to detect the pre-dicrotic and dicrotic notch in the arterial pulse pressure waveform	2019	2019 IEEE 16th India Council International Conference, INDICON 2019 - Symposium Proceedings			Conference Paper
Benini L., Mukherjee A., Chakrabarti A., Römer R.A.	Spin-polarized localization in a magnetized chain	2019	Scientific Reports	9		Article
Sarbadhikary S.	Touch, untouch, and the depositions of ucchishta	2019	Economic and Political Weekly	54		Article
Roy S.K., Koley R., Majumdar P.	Kinematics of two-particle scattering in black hole backgrounds	2019	Physical Review D	100		Article
Rai M.	To 'tear the mask off the face of the past': Archaeology and politics in Jammu and Kashmir	2019	Kashmir: History, Politics, Representation		25	Book Chapter
Banerjee S., Das S., Halder K., Chakrabarti N.	Palaeoecological Analysis of Benthic Molluscs from the Eocene of Kutch, Gujarat Reveals an Event of Storm Induced Concentration of Shells in a Quiet Marginal Marine Environment	2019	Journal of the Geological Society of India	94	162	Article
Bera S., Lekala M.L., Rampho G.J., Chakrabarti B., Bhattacharyya S.	Statistical fluctuations and quasi phase transition of mesoscopic Bose-Einstein condensation in anharmonic trap	2019	Physica A: Statistical Mechanics and its Applications	526		Article
Bera S., Salasnich L., Chakrabarti B.	Correlation dynamics of dipolar bosons in 1D triple well optical lattice	2019	Symmetry	11		Article
Chatterjee S., Chowdhury R.K.	Cosmological evolution of supermassive black holes	2019	AIP Conference Proceedings	2109		Conference Paper
Resmi L., Shastri P., Goswami S., Pandey P., Nanal V., Kharb P., Sinha U., Saha-Dasgupta T., Das S., Chatterjee S.	Gender status in the Indian physics profession and the way forward	2019	AIP Conference Proceedings	2109		Conference Paper
Basu S., Basak A., Mahanty D.S., Bhattacharjee S., Adhikari J.	Biosynthesis of Myo-Inositol in Chloroplasts of Salinity-Stressed Marine Macro Alga <i>Ulva lactuca</i> [Mioinoz itolio biosinteze jurinio dumbliao ulva lactuca chloroplastuose drusku streso noveikvie]	2019	Botanica	25	32	Article

Chowdhary N., Das S.K.	Global war on terror: Policies, propaganda, and perspectives	2019	The Impact of Global Terrorism on Economic and Political Development: Afro-Asian Perspectives		83	Book Chapter
Das R.	A distribution-free approach for selecting better treatment through an ethical allocation	2019	Journal of Nonparametric Statistics	31	482	Article
Das S., Sen I.K., Kati A., Some S., Mandal A.K., Islam S.S., Bhattacharyya R., Mukhopadhyay A.	Flocculating, emulsification and metal sorption properties of a partial characterized novel exopolysaccharide produced by <i>Rhizobium tropici</i> SRA1 isolated from <i>Psophocarpus tetragonolobus</i> (L) D.C.	2019	International Microbiology	22	91	Article
Bera S., Roy R., Chakrabarti B.	How to distinguish fermionized bosons from noninteracting fermions through one-body and two-body density	2019	AIP Conference Proceedings	2072		Conference Paper
Mukherjee S.	Mirza Ghulam Ahmad's Jesus and the rediscovery of 'lost tribes': Towards a manifesto for connected and fantastic histories	2019	Contours of Relationship: India and the Middle East		13	Book Chapter
Husain Z.	Active ageing and labour market engagement: Evidence from eastern India	2019	Active Ageing and Labour Market Engagement: Evidence from Eastern India		1	Book
Husain Z., Mukherjee D., Dutta M., Mukhopadhyay S.	Foetal starvation, economic adversity and health a difference-in-difference approach	2019	Opportunities and Challenges in Development: Essays for Sarmila Banerjee		443	Book Chapter
Chakrabarti G., Chatterjee T.	Ethics and deviations in decision-making: An applied study	2019	Ethics and Deviations in Decision-making: An Applied Study		1	Book
Mukherjee S., De A., Sarkar N.K., Saha N.C.	Aerobic degradation of benzene by <i>Escherichia</i> spp. From Petroleum-contaminated Sites in Kolkata, West Bengal, India	2019	Journal of Pure and Applied Microbiology	13	2353	Article
Das A.	Paley-type graphs of order a product of two distinct primes	2019	Algebra and Discrete Mathematics	28	44	Article
Verma V., Das R., Nath D.C.	Representativeness of ranked set sampling based on Bayesian score	2019	Communications in Statistics: Simulation and Computation			Article
Sarbadhikary S.	Shankh-er Shongshar, afterlife everyday: Religious experience of the evening conch and goddesses in Bengali Hindu homes	2019	Religions	10		Article

Chakravorty S.	The Verma Committee report, 2013: notes on nation, gender and crime	2018	South Asian History and Culture	9	388	Article
Das S.K., Dutta D., Naskar S., Palchaudhury S., Gayen R., Dey A.	Revisiting the physiology of ascent of sap in plants: Legendary experiment of J. C. Bose	2018	Current Science	115	1451	Letter
Chakraborty S., Bhattacharya S.	Cosmic evolution with a general Gaussian type scale factor	2018	International Journal of Modern Physics D	27		Review
Chakraborty N., Mandal A., Choudhuri A., Mandal S., Sarkar S.	Correction to: Indigenous siliciclastic and extraneous polygenetic carbonate facies in the Albian-Turonian Karai Shale, Cauvery Basin, India (<i>Carbonates and Evaporites</i> , (2018), 33, 3, (561-576), 10.1007/s13146-018-0419-0)	2018	Carbonates and Evaporites	33	577	Erratum
Ghosh M.	The Indian perspective on the security partnership with Japan	2018	Japan's new security partnerships		57	Book Chapter
Acharyya M.	Driven spin wave modes in XY ferromagnet: non-equilibrium phase transition	2018	Phase Transitions	91	793	Article
Mukherjee S.	Epilogue	2018	South Asian History and Culture	9	364	Article
Rizvi M.S.A.	Music, emotions and reform in South Asian Islam: perspectives from the eighteenth to the twentieth century	2018	South Asian History and Culture	9	340	Article
Mukherjee S.	Recovering wisdom of the 'ancient rishis': Girindrasekhar Bose, Indra Sen, and the psy-disciplines in modern India	2018	South Asian History and Culture	9	296	Article
Pal S., Dutta S., De S.	Synthesis of MoS ₂ /rGO nanosheets hybrid materials for enhanced visible light assisted photocatalytic activity	2018	AIP Conference Proceedings	1942		Conference Paper
Pradhan A., Maitra T., Mukherjee S., Mukherjee S., Satpati B., Nayak A., Bhunia S.	Study of thermal stability of spontaneously grown superlattice structures by metalorganic vapor phase epitaxy in Al _x Ga _{1-x} As/GaAs heterostructure	2018	AIP Conference Proceedings	1942		Conference Paper
Mukherjee S.	Poisson structures on closed manifolds	2018	Topological Methods in Nonlinear Analysis	51	243	Article
Chakraborty N., Sarkar S., Mandal A., Mandal S., Bumby A.	Microenvironmental constraint on δ ¹³ C depletion: Garudamangalam Sandstone, Cauvery Basin, India	2018	Marine and Petroleum Geology	91	776	Article
Dhabhai G.	The purusharthi Refugee: Sindhi migrants in Jaipur's Walled City	2018	Economic and Political Weekly	53	66	Article

Chakraborty S., Ghosh S., Chowdhury S.	Urbanization of muslim community in india-a metaphor for development? Evidences from states of West Bengal and Kerala	2018	Journal of Muslim Minority Affairs	38	103	Article
Sarkar S.	Deliberative Decisions and Formal Multicriteria Analysis: Addressing Norton's Skepticism	2018	International Library of Environmental, Agricultural and Food Ethics	26	213	Book Chapter
Sarkar S., Minteer B.A.	Introduction	2018	International Library of Environmental, Agricultural and Food Ethics	26	1	Book Chapter
Saha I., Gupta K., Ahmed S., Chatterjee D., Ghosh U.C.	An insight into as(III) adsorption behavior on β -cyclodextrin functionalized hydrous ferric oxide: Synthesis & characterization	2018	Environmental Arsenic in a ChangingWorld - 7th International Congress and Exhibition Arsenic in the Environment, 2018		416	Conference Paper
Tang X., Ghosh M., Xu X., Ghosh P.	Bayesian variable selection and estimation based on global-local shrinkage priors	2018	Sankhya: The Indian Journal of Statistics	80	215	Article
Chakrabarti G., Sen C.	The globalization conundrum—dark clouds behind the silver lining: Global issues and empirics	2018	The Globalization Conundrum-Dark Clouds behind the Silver Lining: Global Issues and Empirics		1	Book
Chakrabarti G., Sen C.	Preface	2018	The Globalization Conundrum-Dark Clouds behind the Silver Lining: Global Issues and Empirics		vii	Editorial
Saha S., Sikdar M., Deb B., Bhattacharyya R., Mandal S.M.	An effective, complete and non-toxic dose of biogenic mangrove plant synthesized silver nanoparticles that can revive the susceptibility of resistant antibiotics against klebsiella pneumoniae	2018	Biomedicine (India)	38	497	Article
Ray A., Ganguly R.	Re(caste-ing) justice: Globalisation and Dalits in India	2018	Globalisation, Environment and Social Justice: Perspectives, Issues and Concerns		301	Book Chapter
Mogarala A.G., Kabadi M.G.S.	Proficient hamming weight based RSA-MD5 security for data storage in multi cloud environment	2018	International Journal of Intelligent Engineering and Systems	11	217	Article

Ray P.	The sociology of greed: Runs and ruins in banking crises	2018	The Sociology of Greed: Runs and Ruins in Banking Crises		1	Book
Baidya S., Basu D.N., Roy S., Basu Roy A.	Occurrence of Interspecific Mating between Two Species of <i>Danaus Kluk</i> , 1780 (Lepidoptera: Nymphalidae) in Nature	2018	Psyche (London)	2018		Article
Sanyal S.	Martyrdom in revolutionary nationalism: Mourning, memory, and cultural politics	2017	On Modern Indian Sensibilities: Culture, Politics, History		123	Book Chapter
Bhattacharyya R., Bhattacharya R.	Race of arms: Herbivore-induced volatiles and their co-evolution	2017	Volatiles and Food Security: Role of Volatiles in Agro-Ecosystems		255	Book Chapter
Saha S., Mishra A., Roy P.K., Dana S.K.	Cross-coupling plays constructive role on global stability of synchrony in neuronal networks	2017	Opera Medica et Physiologica	3	93	Article
Nath A., Dey A., Mukherjee S., Bhattacharyya R.	Bioproduction of Ascorbic Acid and Its Optimization by a <i>Rhizobium</i> sp. from Root Nodules of <i>Sesbania cannabina</i>	2017	Proceedings of the National Academy of Sciences India Section B - Biological Sciences	87	1459	Article
Das S.K., Routh J., Roychoudhury A.N., Veldhuis M.J.W., Ismail H.E.	Connecting pigment composition and dissolved trace elements to phytoplankton population in the southern Benguela Upwelling zone (St. Helena Bay)	2017	Journal of Marine Systems	176	13	Article
Basu B., Dutta K., Mukherjee R., Barman R., Sen D.	Quantification of weight and duration of schoolbag carriage based on socioeconomic status and its correlation with magnitude of pain among urban children of West Bengal, India	2017	Indian Journal of Public Health Research and Development	8	324	Article
Guha A.	Colonial modernities: Midwifery in Bengal, c.1860-1947	2017	Colonial Modernities: Midwifery in Bengal, c.1860-1947		1	Book
Acharyya M.	Spin flip statistics and spin wave interference patterns in Ising ferromagnetic films: A Monte Carlo study	2017	Heliyon	3		Article
Rakshit M., Kar G.K., Chakrabarty M.	A new synthesis of pleraplysillin-1, a sponge metabolite, using Wittig olefination	2017	Arkivoc	2017	1	Article

Raychaudhuri B.	Spatial distribution of atmospheric Co ₂ absorption detected around 2 μm on the reflectance spectra derived from hyperion images	2017	International Journal of Remote Sensing	38	3415	Article
Das S., Biswas A.	Notes on the breeding ecology of monocled cobras (<i>Naja kaouthia</i>) from areas adjacent to Sundarban, India	2017	Herpetological Bulletin		33	Short Survey
Lekala M.L., Chakrabarti B., Das T.K., Rampho G.J., Sofianos S.A., Adam R.M., Haldar S.K.	Use of Two-Body Correlated Basis Functions with van der Waals Interaction to Study the Shape-Independent Approximation for a Large Number of Trapped Interacting Bosons	2017	Journal of Low Temperature Physics	187	232	Article
Dasgupta R., Patel P.P.	Examining the physical and human dichotomy in geography: existing divisions and possible mergers in pedagogic outlooks	2017	Geographical Research	55	100	Article
Rashkow E., Ghosh S., Chakrabarti U.	Introduction	2017	Memory, Identity and the Colonial Encounter in India: Essays in Honour of Peter Robb		1	Editorial
Gupta B., Debmallik T., Gupta K.	Polyamines and ROS: Understanding their role in plant drought homeostasis	2017	Mechanisms behind Phytohormonal Signalling and Crop Abiotic Stress Tolerance		17	Book Chapter
Datta K.K., Mondal R., Ghara R., Bharadwaj S., Choudhury T.R.	Understanding the impact of Light cone effect on the EoR/CD 21-cm power spectrum	2017	Proceedings of the International Astronomical Union	12	12	Article
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Mandal M.	Eyes a man could drown in": Phallic Myth and Femininity in John Fowles's <i>The French Lieutenant's Woman</i>	2017	Interdisciplinary Literary Studies	19	274	Review
Chatterjee M., Bhattacharya R., Bhattacharyya R.	Shaping the other sides: Exploring the physical architecture of rhizosphere	2017	Plant-Microbe Interaction: An Approach to Sustainable Agriculture		25	Book Chapter
Das D., Mukherjee U., Basu B., Sen D.	Impact of thousand-and-one amino acid 2 kinase mediated neurodifferentiation in cerebral cortex and impairment of mirror neuron pathways on autism spectrum disorders	2017	National Journal of Physiology, Pharmacy and Pharmacology	7	442	Review

Chakrabarti S.	Space of Deprivation: The 19th Century Bengali Kerani in the Bhadrolok Milieu of Calcutta	2017	Asian Journal of Social Science	45	55	Review
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