

<p>3.4.8</p> <p>Q_nM</p>	<p><i>Bibliometrics of the publications during the last five years based on average Citation Index in Scopus/ Web of Science/PubMed</i></p> <p>Data to be provided for the last five years:</p> <ul style="list-style-type: none"> • Title of the paper • Name of the author • Title of the journal • Year of publication • Citation Index <p>Formula:</p> $\frac{0.50 \times \text{Total number of Citation in SCOPUS in five years} + 0.50 \times \text{Total number of Citation in Web of Science in five years}}{0.50 \times \text{Total number of Publication in SCOPUS in five years} + 0.50 \times \text{Total number of Publication in Web of Science in five years}}$ <p>File Description (Upload)</p> <ul style="list-style-type: none"> • Any additional information • Bibliometrics of the publications during the last five years <p><i>* The Data obtained from inflibnet will be used for the purposes of calculation of scores.</i></p>	<p>15</p>
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DVV requirement

Documents Needed

Specific instruction to HEI

Avoid the following while uploading data

The data for this metric will be fetched by INFLIBNET directly.

The HEI can seek clarification for the data given by INFLIBNET through the portal only.

Evidence of Citation index Scopus [8743] in [Annexure 3.4.8.A](#)

Evidence of Citation index Web of Science [9328] in [Annexure 3.4.8.B](#)

3.4.8.A.

Title of the paper	Name of Author	Title of the journal	Year of publication	Citation index Scopus [8743]
Planetary boundaries: Guiding human development on a changing planet	Steffen W., Richardson K., Rockström J., Cornell S.E., Fetzer I., Bennett E.M., Biggs R., Carpenter S.R., De Vries W., De Wit C.A., Folke C., Gerten D., Heinke J., Mace G.M., Persson L.M., Ramanathan V., Rayers B., Sörlin S.	Science	2015	3144
Energy and material flows of megacities	Kennedy C.A., Stewart I., Facchini A., Cersosimo I., Mele R., Chen B., Uda M., Kansal A., Chiu A., Kim K.-G., Dubeux C., La Rovere E.L., Cunha B., Pincetl S., Keirstead J., Barles S., Pusaka S., Gunawan J., Adegbile M., Nazariha M., Hoque S., Marcotullio P.J., Otharán F.G., Genena T., Ibrahim N., Farooqui R., Cervantes G., Sahin A.D.	Proceedings of the National Academy of Sciences of the United States of America	2015	217
Development of decadal (1985-1995-2005) land use and land cover database for India	Roy P.S., Roy A., Joshi P.K., Kale M.P., Srivastava V.K., Srivastava S.K., Dwevedi R.S., Joshi C., Behera M.D., Meiyappan P., Sharma Y., Jain A.K., Singh J.S., Palchowdhuri Y., Ramachandran R.M., Pinjarla B., Chakravarthi V., Babu N., Gowsalya M.S., Thiruvengadam P., Kotteeswaran M., Priya V., Yelishetty K.M.V.N., Maithani S., Talukdar G., Mondal I., Rajan K.S., Narendra P.S., Biswal S., Chakraborty A., Padalia H., Chavan M., Pardeshi S.N., Chaudhari S.A., Anand A., Vyas A., Reddy M.K., Ramalingam M., Manonmani R., Behera P., Das P., Tripathi P., Matin S., Khan M.L., Tripathi O.P., Deka J., Kumar P., Kushwaha D.	Remote Sensing	2015	102
New vegetation type map of India prepared using satellite remote sensing: Comparison with global vegetation maps and utilities	Roy P.S., Behera M.D., Murthy M.S.R., Roy A., Singh S., Kushwaha S.P.S., Jha C.S., Sudhakar S., Joshi P.K., Reddy C.S., Gupta S., Pujar G., Dutt C.B.S., Srivastava V.K., Porwal M.C., Tripathi P., Singh J.S., Chitale V., Skidmore A.K., Rajshekhar G., Kushwaha D., Karnatak H., Saran S., Giriraj A., Padalia H., Kale M., Nandy S., Jeganathan C., Singh C.P., Biradar C.M., Pattanaik C., Singh D.K., Devagiri G.M., Talukdar G., Panigrahy R.K., Singh H., Sharma J.R., Haridasan K., Trivedi S., Singh K.P., Kannan L., Daniel M., Misra M.K., Niphadkar M., Nagabhatla N., Prasad N., Tripathi O.P., Rama Chandra Prasad P., Dash P., Qureshi Q., Tripathi S.K., Ramesh B.R., Gowda B., Tomar S., Romshoo S., Giriraj S., Ravan S.A., Behera S.K., Paul S., Das A.K., Ranganath B.K., Singh T.P., Sahu T.R., Shankar U., Menon A.R.R., Srivastava G., Neeti, Sharma S., Mohapatra U.B., Peddi A., Rashid H., Salroo I., Hari Krishna P., Hajra P.K., Vergheese A.O., Matin S., Chaudhary S.A., Ghosh S., Lakshmi U., Rawat D., Ambastha K., Malik A.H., Devi B.S.S., Sharma K.C., Mukharjee P., Sharma A., Davidar P., Raju R.R.V., Katewa S.S., Kant S., Raju V.S., Uniyal B.P., Debnath B., Das D.K., Thapa P., Joseph S., Chhoti D., Ramachandran P.M.	International Journal of Applied Earth Observation and Geoinformation	2015	80
Geospatial and geostatistical approach for groundwater potential zone delineation	Mallick J., Singh C.K., Al-Wadi H., Ahmed M., Rahman A., Shashtri S., Mukherjee S.	Hydrological Processes	2015	53
Fungal endophyte diversity and bioactivity in the Indian medicinal plant <i>Ocimum sanctum</i> Linn	Chowdhary K., Kaushik N.	PLoS ONE	2015	51
Motivations for implementing environmental management practices in Indian industries	Singh N., Jain S., Sharma P.	Ecological Economics	2015	49
Applicability of Landsat 8 data for characterizing glacier facies and supraglacial debris	Bhardwaj A., Joshi P.K., Snehmani, Sam L., Singh M.K., Singh S., Kumar R.	International Journal of Applied Earth Observation and Geoinformation	2015	40
Investigation into relationships among NO, NO2, NOx, O3, and CO at an urban background site in Delhi, India	Tiwari S., Dahiya A., Kumar N.	Atmospheric Research	2015	39
Implication of Caspase-3 as a Common Therapeutic Target for Multineurodegenerative Disorders and Its Inhibition Using Nonpeptidyl Natural Compounds	Khan S., Ahmad K., Alshammari E.M.A., Adnan M., Baig M.H., Lohani M., Somvanshi P., Haque S.	BioMed Research International	2015	39
A lake detection algorithm (LDA) using Landsat 8 data: A comparative approach in glacial environment	Bhardwaj A., Singh M.K., Joshi P.K., Snehmani, Singh S., Sam L., Gupta R.D., Kumar R.	International Journal of Applied Earth Observation and Geoinformation	2015	36
Effect of internal woven roller shade and glazing on the energy and daylighting performances of an office building in the cold climate of Shillong	Singh R., Lazarus I.J., Kishore V.V.N.	Applied Energy	2015	35
Aqueous geochemistry of fluoride enriched groundwater in arid part of Western India	Singh C.K., Mukherjee S.	Environmental Science and Pollution Research	2015	35
A god becomes a pest? Human-rhesus macaque interactions in Himachal Pradesh, northern India	Saraswat R., Sinha A., Radhakrishna S.	European Journal of Wildlife Research	2015	33
Impact of air pollutants from surface transport sources on human health: A modeling and epidemiological approach	Aggarwal P., Jain S.	Environment International	2015	31
Estimating biomass and carbon mitigation of temperate coniferous forests using spectral modeling and field inventory data	Wani A.A., Joshi P.K., Singha O.	Ecological Informatics	2015	31
Emerging perspectives on environmental burden minimisation initiatives from anaerobic digestion technologies for community scale biomass valorisation	Tiwary A., Williams I.D., Pant D.C., Kishore V.V.N.	Renewable and Sustainable Energy Reviews	2015	30
Melting Himalayan glaciers contaminated by legacy atmospheric depositions are important sources of PCBs and high-molecular-weight PAHs for the Ganges floodplain during dry periods the authors dedicate this paper to the memory of their dear friend and colleague, Maneesh Manjunath.	Sharma B.M., Nizzetto L., Bharat G.K., Tayal S., Melymuk L., Sánka O., Příbylová P., Audy O., Larssen T.	Environmental Pollution	2015	29

3.4.8.A.

Title of the paper	Name of Author	Title of the journal	Year of publication	Citation index Scopus [8743]
Estimation of organic and elemental carbon emitted from wood burning in traditional and improved cookstoves using controlled cooking test	Arora P., Jain S.	Environmental Science and Technology	2015	25
Regression-Kriging Technique to Downscale Satellite-Derived Land Surface Temperature in Heterogeneous Agricultural Landscape	Mukherjee S., Joshi P.K., Garg R.D.	IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing	2015	24
Geospatial quantification and analysis of environmental changes in urbanizing city of Kolkata (India)	Sharma R., Chakraborty A., Joshi P.K.	Environmental Monitoring and Assessment	2015	23
Assessment and mitigation of the environmental burdens to air from land applied food-based digestate	Tiwary A., Williams I.D., Pant D.C., Kishore V.V.N.	Environmental Pollution	2015	23
Development of a microbial process for methane generation from bituminous coal at thermophilic conditions	Rathi R., Priya A., Vohra M., Lavania M., Lal B., Sarma P.M.	International Journal of Coal Geology	2015	23
Specific oxygen uptake rate gradient - Another possible cause of excess sludge reduction in oxic-settling-anaerobic (OSA) process	Khurshid A., Sharma M.K., Tyagi V.K., Khan A.A., Kazmi A.A.	Chemical Engineering Journal	2015	22
Financing large scale wind and solar projects - A review of emerging experiences in the Indian context	Umamaheswaran S., Rajiv S.	Renewable and Sustainable Energy Reviews	2015	20
Continuous catalytic upgrading of fast pyrolysis oil using iron oxides in red mud	Kastner J.R., Hilten R., Weber J., McFarlane A.R., Hargreaves J.S.J., Batra V.S.	RSC Advances	2015	20
Impact of petroleum hydrocarbon contamination on the indigenous soil microbial community	Cheema S., Lavania M., Lal B.	Annals of Microbiology	2015	17
Modelling the hypsometric seasonal snow cover using meteorological parameters	Snehmani, Bhardwaj A., Singh M.K., Gupta R.D., Joshi P.K., Ganju A.	Journal of Spatial Science	2015	17
Conceptualizing and contextualizing research and policy for links between climate change and migration	Upadhyay H., Kelman I., Lingaraj G.J., Mishra A., Shreve C., Stojanov R.	International Journal of Climate Change Strategies and Management	2015	16
Application of multivariate statistical techniques in determining the spatial temporal water quality variation of Ganga and Yamuna rivers present in Uttarakhand state, India	Sharma M., Kansal A., Jain S., Sharma P.	Exposure and Health	2015	15
Mass culture strategy for bacterial yeast co-culture for degradation of petroleum hydrocarbons in marine environment	Priya A., Mandal A.K., Ball A.S., Manefield M., Lal B., Sarma P.M.	Marine Pollution Bulletin	2015	15
Multi-level climate governance in India: the role of the states in climate action planning and renewable energies	Jørgensen K., Mishra A., Sarangi G.K.	Journal of Integrative Environmental Sciences	2015	15
Pseudomonas spp. as models for plant-microbe interactions	Sitaraman R.	Frontiers in Plant Science	2015	15
Optimization of electrochemical parameters for sulfate-reducing bacteria (SRB) based biocathode	Sharma M., Sarma P.M., Pant D., Dominguez-Benetton X.	RSC Advances	2015	14
Ecosystem services and forest fires in India - Context and policy implications from a case study in Andhra Pradesh	Schmerbeck J., Kohli A., Seeland K.	Forest Policy and Economics	2015	14
Institutions for sustainable forest governance: Robustness, equity, and cross-level interactions in Mawlyngbna, Meghalaya, India	Oberlack C., Walter P.L., Schmerbeck J., Tiwari B.K.	International Journal of the Commons	2015	13
High resolution DEM generation for complex snow covered Indian Himalayan Region using ADS80 aerial push-broom camera: a first time attempt	Singh M.K., Snehmani, Gupta R.D., Bhardwaj A., Joshi P.K., Ganju A.	Arabian Journal of Geosciences	2015	13
Possible future changes in cyclonic storms in the Bay of Bengal, India under warmer climate	Parth Sarthi P., Agrawal A., Rana A.	International Journal of Climatology	2015	13
Sequence and expression variation in SUPPRESSOR of OVEREXPRESSION of CONSTANS 1 (SOC1): homeolog evolution in Indian Brassicas	Sri T., Mayee P., Singh A.	Development Genes and Evolution	2015	12
Wildfires, Ecosystem Services, and Biodiversity in Tropical Dry Forest in India	Schmerbeck J., Fiener P.	Environmental Management	2015	12
Isolation, characterization and antifungal docking studies of wortmannin isolated from Penicillium radicum	Singh V., Praveen V., Tripathi D., Haque S., Somvanshi P., Katti S.B., Tripathi C.K.M.	Scientific Reports	2015	12
Morphological characteristics of particles emitted from combustion of different fuels in improved and traditional cookstoves	Arora P., Jain S.	Journal of Aerosol Science	2015	12
Remote sensing of mountain snow using active microwave sensors: a review	Snehmani, Singh M.K., Gupta R.D., Bhardwaj A., Joshi P.K.	Geocarto International	2015	12
Machine learning techniques in plant biology	Osama K., Mishra B.N.	PlantOmics: The Omics of Plant Science	2015	11
Farmers' willingness-to-pay towards soil and water conservation measures in agro-ecosystems of Chotanagpur Plateau, India	Gulati A., Rai S.C.	Water and Environment Journal	2015	10

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3.4.8.A.

Title of the paper	Name of Author	Title of the journal	Year of publication	Citation index Scopus [8743]
Allergies, Helicobacter pylori and the continental enigmas	Sitaraman R.	Frontiers in Microbiology	2015	10
Helicobacter pylori neutrophil-activating protein: A potential Treg modulator suppressing allergic asthma?	Sehrawat A., Sinha S., Saxena A.	Frontiers in Microbiology	2015	10
Regulating off-grid electricity delivery: Exploring the grey areas	Palit D., Bandyopadhyay K.R.	Economic and Political Weekly	2015	10
Numerical modelling spatial patterns of urban growth in Chandigarh and surrounding region (India) using multi-agent systems	Pandey B., Joshi P.K.	Modeling Earth Systems and Environment	2015	9
Cheminformatics models based on machine learning approaches for design of USP1/UAF1 abrogators as anticancer agents	Wahi D., Jamal S., Goyal S., Singh A., Jain R., Rana P., Grover A.	Systems and Synthetic Biology	2015	9
An overview of local credit systems and their implications for post-growth	Gerber J.-F.	Sustainability Science	2015	8
Evaluation of LST downscaling algorithms on seasonal thermal data in humid subtropical regions of India	Mukherjee S., Joshi P.K., Garg R.D.	International Journal of Remote Sensing	2015	8
Electrochemical removal of sulfate from petroleum produced water	Jain P., Sharma M., Kumar M., Dureja P., Singh M.P., Lal B., Sarma P.M.	Water Science and Technology	2015	8
Accuracy of cartosat-1 DEM and its derived attribute at multiple scale representation	Mukherjee S., Mukherjee S., Bhardwaj A., Mukhopadhyay A., Garg R.D., Hazra S.	Journal of Earth System Science	2015	7
Bioleaching of nickel from spent petroleum catalyst using Acidithiobacillus thiooxidans DSM-11478	Sharma M., Bisht V., Singh B., Jain P., Mandal A.K., Lal B., Sarma P.M.	Indian Journal of Experimental Biology	2015	7
Tree species biomass and carbon stock measurement using ground based-LiDAR	Maan G.S., Singh C.K., Singh M.K., Nagarajan B.	Geocarto International	2015	7
Plant systems biology: Insights and advancements	Agrawal T., Somvanshi P.	PlantOmics: The Omics of Plant Science	2015	6
Isolation and characterization of a first set of nine polymorphic microsatellite loci in Pongamia pinnata (Fabaceae)	Sharma S.S., Islam M.A., Negi M.S., Tripathi S.B.	Journal of Genetics	2015	5
Resisting the resistance in cancer: Cheminformatics studies on short-path base excision repair pathway antagonists using supervised learning approaches	Jain R., Jamal S., Goyal S., Wahi D., Singh A., Grover A.	Combinatorial Chemistry and High Throughput Screening	2015	5
Quantification of solar inverter efficiency for Indian tropical climatic conditions	Kalathil A., Krishnamurthy H.	Proceedings of the IEEE Region 10 Humanitarian Technology Conference 2014, R10 HTC 2014	2015	5
Mass Balance Reconstruction Since 1963 and Mass Balance Model for East Rathong Glacier, Eastern Himalaya, Using Remote Sensing Methods	Agrawal A., Tayal S.	Geografiska Annaler, Series A: Physical Geography	2015	4
Activated carbon monoliths by pressureless technique for environmental applications	Bajwa A., Moraga F., Balakrishnan M., Svensson G., Batra V.S.	Environmental Progress and Sustainable Energy	2015	4
Depositional environment in great Indian desert using grain size parameters and its chemical characterization	Singh C.K., Kumar P., Kumar A., Mukherjee S.	Journal of the Geological Society of India	2015	3
Wildfires in India: Tools and Hazards	Schmerbeck J., Kraus D.	Wildfire Hazards, Risks, and Disasters	2015	3
Separation of acetone and butyric acid for simultaneous analysis of sugars, volatile fatty acids, acetone and alcohols by HPLC using flow programming	Vohra M.H., Jain P., Jha T., Sharma M., Dureja P., Sarma P.M., Lal B.	Analytical Methods	2015	3
Assessment of Tsunami Hazard Vulnerability along the coastal environs of Andaman Islands	Prerna R., Srinivasa Kumar T., Mahendra R.S., Mohanty P.C.	Natural Hazards	2015	3
For Sustainable SDGs: Righting Through Responsibilities	Nawn N.	Journal of Human Development and Capabilities	2015	2
An exploratory analysis of occupational accidents and risks from nuclear reactors in India	Goswami A., Ram Mohan M.P.	Safety Science	2015	2
Nuclear energy and liability in South Asia: Institutions, legal frameworks and risk assessment within SAARC	Mohan M.P.R.	Nuclear Energy and Liability in South Asia: Institutions, Legal Frameworks and Risk Assessment Within SAARC	2015	2
Low methane (CH ₄) emissions downstream of a monomictic subtropical hydroelectric reservoir (Nam Theun 2, Lao PDR)	Deshmukh C., Guérin F., Pighini S., Vongkhamsoo A., Guédant P., Rode W., Godon A., Chanudet V., Descloux S., Serça D.	Biogeosciences Discussions	2015	1
Vigorous Appraisal of Fluoride on Industrial Proponent in Thermal Power Plant over Anthropoid Biosphere Using F- Ion-Selective Electrode	Pandey P.C., Kumar P., Yadav M., Katiyar S., Mandal V.P., Singh R.K., Tomar V., Rani M.	IEEE Journal of Translational Engineering in Health and Medicine	2015	1
Plant proteomics: Technologies and applications	Gupta D.B.	PlantOmics: The Omics of Plant Science	2015	1

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Title of the paper	Name of Author	Title of the journal	Year of publication	Citation index Scopus [8743]
The Supreme Court of India and Inter-State water dispute: An analysis of the judgments on Mullaperiyar Dam	Mohan M.P.R., Chavaly K.	Water Policy	2015	0
Energetics of irrigation under surplus rainfall conditions	Nawn N.	Nature, Economy and Society: Understanding the Linkages	2015	0
North-south perspectives on stakeholder structure governing ambient air quality - The case of Germany and India	Schults M., Kansal A.	Journal of Environmental Science and Engineering	2015	0
Demand Forecasting of Electricity and Optimal Locationing of Transformer Locations Using Geo-Spatial Techniques: A Case Study of Districts of Bihar, India	R P., Gangopadhyay P.K.	Applied Spatial Analysis and Policy	2015	0
Special Issue on Nuclear energy and Indian society: Public engagement, risk assessment and legal frameworks	Mohan R.M.P., Babu R.R.	Journal of Risk Research	2015	0
As green Delhi turns grey	Bandyopadhyay K.R., Das K.	Economic and Political Weekly	2015	0
Perfluoroalkyl substances (PFAS) in river and ground/drinking water of the Ganges River basin: Emissions and implications for human exposure	Sharma B.M., Bharat G.K., Tayal S., Larssen T., Bečanová J., Karásková P., Whitehead P.G., Futter M.N., Butterfield D., Nizzetto L.	Environmental Pollution	2016	82
GIS based analysis for assessing the accessibility at hierarchical levels of urban green spaces	Gupta K., Roy A., Luthra K., Maithani S., Mahavir	Urban Forestry and Urban Greening	2016	62
Rural electricity access in South Asia: Is grid extension the remedy? A critical review	Palit D., Bandyopadhyay K.R.	Renewable and Sustainable Energy Reviews	2016	58
Energy and carbon footprints of sewage treatment methods	Singh P., Kansal A., Carliell-Marquet C.	Journal of Environmental Management	2016	57
Energy demand and CO2 emissions from urban on-road transport in Delhi: current and future projections under various policy measures	Aggarwal P., Jain S.	Journal of Cleaner Production	2016	51
Hsp90: Friends, clients and natural foes	Verma S., Goyal S., Jamal S., Singh A., Grover A.	Biochimie	2016	44
Mapping disaster vulnerability in India using analytical hierarchy process	Chakraborty A., Joshi P.K.	Geomatics, Natural Hazards and Risk	2016	44
Hydrophobic interactions are a key to MDM2 inhibition by polyphenols as revealed by molecular dynamics simulations and MM/PBSA free energy calculations	Verma S., Grover S., Tyagi C., Goyal S., Jamal S., Singh A., Grover A.	PLoS ONE	2016	40
Uncertainty and sensitivity analyses of energy and visual performances of office building with external venetian blind shading in hot-dry climate	Singh R., Lazarus J.J., Kishore V.V.N.	Applied Energy	2016	38
The determinants of electricity theft: An empirical analysis of Indian states	Gaur V., Gupta E.	Energy Policy	2016	35
Molecular principles behind pyrazinamide resistance due to mutations in panD gene in Mycobacterium tuberculosis	Pandey B., Grover S., Tyagi C., Goyal S., Jamal S., Singh A., Kaur J., Grover A.	Gene	2016	29
A review of chronological development in cookstove assessment methods: Challenges and way forward	Arora P., Jain S.	Renewable and Sustainable Energy Reviews	2016	29
Analysis of challenges for management education in India using total interpretive structural modelling	Mahajan R., Agrawal R., Sharma V., Nangia V.	Quality Assurance in Education	2016	29
Framing green consumer behaviour research: Opportunities and challenges	Narula S.A., Desore A.	Social Responsibility Journal	2016	27
Inherent vulnerability of agricultural communities in Himalaya: A village-level hotspot analysis in the Uttarakhand state of India	Shukla R., Sachdeva K., Joshi P.K.	Applied Geography	2016	26
Mapping environmental impacts of rapid urbanization in the National Capital Region of India using remote sensing inputs	Sharma R., Joshi P.K.	Urban Climate	2016	26
Microbial production of 2,3-butanediol through a two-stage pH and agitation strategy in 150l bioreactor	Priya A., Dureja P., Talukdar P., Rathi R., Lal B., Sarma P.M.	Biochemical Engineering Journal	2016	25
Predicting distribution of major forest tree species to potential impacts of climate change in the central Himalayan region	Chakraborty A., Joshi P.K., Sachdeva K.	Ecological Engineering	2016	23
Integrated Assessment of Groundwater for Agricultural Use in Mewat District of Haryana, India Using Geographical Information System (GIS)	Mehra M., Oinam B., Singh C.K.	Journal of the Indian Society of Remote Sensing	2016	23
Vehicular exhaust emissions under current and alternative future policy measures for megacity Delhi, India	Jain S., Aggarwal P., Sharma P., Kumar P.	Journal of Transport and Health	2016	23
Fragment based G-QSAR and molecular dynamics based mechanistic simulations into hydroxamic-based HDAC inhibitors against spinocerebellar ataxia	Sinha S., Tyagi C., Goyal S., Jamal S., Somvanshi P., Grover A.	Journal of Biomolecular Structure and Dynamics	2016	20

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Title of the paper	Name of Author	Title of the journal	Year of publication	Citation index Scopus [8743]
Mapping long-term land use and land cover change in the central Himalayan region using a tree-based ensemble classification approach	Chakraborty A., Sachdeva K., Joshi P.K.	Applied Geography	2016	20
Targeted delivery system for cancer cells consist of multiple ligands conjugated genetically modified CCMV capsid on doxorubicin GNPs complex	Barwal I., Kumar R., Kateriya S., Dinda A.K., Yadav S.C.	Scientific Reports	2016	19
A Water-Withdrawal Input-Output Model of the Indian Economy	Bogra S., Bakshi B.R., Mathur R.	Environmental Science and Technology	2016	18
Statistical behavior of ozone in urban environment	Sharma S., Sharma P., Khare M., Kwatra S.	Sustainable Environment Research	2016	17
Remote sensing flow velocity of debris-covered glaciers using Landsat 8 data	Sam L., Bhardwaj A., Singh S., Kumar R.	Progress in Physical Geography	2016	17
Using Spatial Multi-Criteria Analysis and Ranking Tool (SMART) in earthquake risk assessment: a case study of Delhi region, India	Sinha N., Priyanka N., Joshi P.K.	Geomatics, Natural Hazards and Risk	2016	17
Benchmarking sustainability using indicators: An Indian case study	Kwatra S., Kumar A., Sharma P., Sharma S., Singhal S.	Ecological Indicators	2016	17
The chromosomal parDE2 toxin-antitoxin system of Mycobacterium tuberculosis H37Rv: Genetic and functional characterization	Gupta M., Nayyar N., Chawla M., Sitaraman R., Bhatnagar R., Banerjee N.	Frontiers in Microbiology	2016	16
Conversion of biomass-generated syngas into next-generation liquid transport fuels through microbial intervention: Potential and current status	Verma D., Singla A., Lal B., Sarma P.M.	Current Science	2016	16
Low methane (CH ₄) emissions downstream of a monomictic subtropical hydroelectric reservoir (Nam Theun 2, Lao PDR)	Deshmukh C., Guérin F., Labat D., Pighini S., Vongkhamsao A., Guédant P., Rode W., Godon A., Chanudet V., Descloux S., Serça D.	Biogeosciences	2016	15
Structure and Energetic Contributions of a Designed Modular Peptide-Binding Protein with Picomolar Affinity	Hansen S., Tremmel D., Madhurantakam C., Reichen C., Mittl P.R.E., Plückthun A.	Journal of the American Chemical Society	2016	15
Valuing setting-based recreation for selected visitors to national forests in the southern United States	Sardana K., Bergstrom J.C., Bowker J.M.	Journal of Environmental Management	2016	13
Effect of sporadic destratification, seasonal overturn, and artificial mixing on CH ₄ emissions from a subtropical hydroelectric reservoir	Guérin F., Deshmukh C., Labat D., Pighini S., Vongkhamsao A., Guédant P., Rode W., Godon A., Chanudet V., Descloux S., Serça D.	Biogeosciences	2016	13
Bio-electro catalytic treatment of petroleum produced water: Influence of cathode potential upliftment	Jain P., Srikanth S., Kumar M., Sarma P.M., Singh M.P., Lal B.	Bioresource Technology	2016	12
Osmoregulation in Saccharomyces cerevisiae via mechanisms other than the high-osmolarity glycerol pathway	Saxena A., Sitaraman R.	Microbiology (United Kingdom)	2016	12
Removal of volatile organic compounds over bagasse ash derived activated carbons and monoliths	Bajwa A., Balakrishnan M., Svensson G., Batra V.S.	Journal of Environmental Chemical Engineering	2016	12
THE EFFECT of DEVELOPMENT on the CLIMATE SENSITIVITY of ELECTRICITY DEMAND in India	Gupta E.	Climate Change Economics	2016	12
Mobile health units: Mobilizing healthcare to reach unreachable	Khanna A.B., Narula S.A.	International Journal of Healthcare Management	2016	12
Remote sensing of alpine glaciers in visible and infrared wavelengths: a survey of advances and prospects	Bhardwaj A., Joshi P.K., Sam L., Snehmani	Geocarto International	2016	11
Automated detection and temporal monitoring of crevasses using remote sensing and their implications for glacier dynamics	Bhardwaj A., Sam L., Singh S., Kumar R.	Annals of Glaciology	2016	11
Estimation of most frequent conditions and performance evaluation of three photovoltaic technology modules	Bora B., Sastry O.S., Kumar A., Renu, Bangar M., Prasad B.	Journal of Solar Energy Engineering, Transactions of the ASME	2016	10
Chickpea ferritin CaFer1 participates in oxidative stress response, and promotes growth and development	Parveen S., Gupta D.B., Dass S., Kumar A., Pandey A., Chakraborty S., Chakraborty N.	Scientific Reports	2016	10
Mapping of spot blotch disease resistance using NDVI as a substitute to visual observation in wheat (Triticum aestivum L.)	Kumar S., Röder M.S., Singh R.P., Kumar S., Chand R., Joshi A.K., Kumar U.	Molecular Breeding	2016	10
Development of functionalized quantum dot modified poly(vinyl alcohol) membranes for fuel cell applications	Malik R.S., Soni U., Singh Chauhan S., Verma P., Choudhary V.	RSC Advances	2016	10
Functional profiling of cyanobacterial genomes and its role in ecological adaptations	Prabha R., Singh D.P., Somvanshi P., Rai A.	Genomics Data	2016	9
Energy and Resource Recovery From Sludge: Full-Scale Experiences	Tyagi V.K., Lo S.-L.	Environmental Materials and Waste: Resource Recovery and Pollution Prevention	2016	9

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Title of the paper	Name of Author	Title of the journal	Year of publication	Citation index Scopus [8743]
BIM (BCL-2 interacting mediator of cell death) SAHB (stabilized α helix of BCL2) not always convinces BAX (BCL-2-associated X protein) for apoptosis	Verma S., Goyal S., Tyagi C., Jamal S., Singh A., Grover A.	Journal of Molecular Graphics and Modelling	2016	9
Trend analysis and forecast of pre-monsoon rainfall over India	Narayanan P., Sarkar S., Basistha A., Sachdeva K.	Weather	2016	9
Novel group-based QSAR and combinatorial design of CK-1 δ inhibitors as neuroprotective agents	Joshi K., Goyal S., Grover S., Jamal S., Singh A., Dhar P., Grover A.	BMC Bioinformatics	2016	8
Comparison of national level biomass maps for conterminous US: Understanding pattern and causes of differences	Neeti N., Kennedy R.	Carbon Balance and Management	2016	8
Analysis of genetic diversity and population structure in Capsicum landraces from North Eastern India using TE-AFLP markers	Islam M.A., Sinha P., Sharma S.S., Negi M.S., Neog B., Tripathi S.B.	Plant Molecular Biology Reporter	2016	8
Sequence variation in Brassica AP2 and analysis of interaction of AP2-miR172 regulatory module	Shivaraj S.M., Singh A.	Plant Cell, Tissue and Organ Culture	2016	8
Cheminformatics based machine learning approaches for assessing glycolytic pathway antagonists of Mycobacterium tuberculosis	Tiwari K., Jamal S., Grover S., Goyal S., Singh A., Grover A.	Combinatorial Chemistry and High Throughput Screening	2016	7
Implications of end-user behaviour in response to deficiencies in water supply for electricity consumption - A case study of Delhi	Ghosh R., Kansal A., Aghi S.	Journal of Hydrology	2016	7
Seed traits, fatty acid profile and genetic diversity assessment in Pongamia pinnata (L.) Pierre germplasm	Sharma S.S., Islam M.A., Malik A.A., Kumar K., Negi M.S., Tripathi S.B.	Physiology and Molecular Biology of Plants	2016	7
Structures of designed armadillo-repeat proteins show propagation of inter-repeat interface effects	Reichen C., Madhurantakam C., Hansen S., Grutter M.G., Pluckthun A., Mittl P.R.E.	Acta Crystallographica Section D: Structural Biology	2016	7
Public hearings in environmental clearance process: Review of judicial intervention	Ram Mohan M.P., Pabreja H.	Economic and Political Weekly	2016	6
An indicator-based approach to assess village-level social and biophysical vulnerability of agriculture communities in Uttarakhand, India	Shukla R., Sachdeva K., Joshi P.K.	Journal of Mountain Science	2016	6
Evaluation of LiDAR and image segmentation based classification techniques for automatic building footprint extraction for a segment of Atlantic County, New Jersey	Prerna R., Singh C.K.	Geocarto International	2016	6
Plant organellar proteomics in response to dehydration: Turning protein repertoire into insights	Gupta D.B., Rai Y., Gayali S., Chakraborty S., Chakraborty N.	Frontiers in Plant Science	2016	6
Multilevel policy responses to mainstream climate adaptation through watershed development in rainfed farming systems of India	Chaudhari V.R., Mishra A.	Climate and Development	2016	5
Environmental benchmarking practices in Indian industries: Evidences from an empirical study	Singh N., Jain S., Sharma P.	Benchmarking	2016	5
Multi-criteria approach to geographically visualize the quality of life in India	Prakash M., Shukla R., Chakraborty A., Joshi P.K.	International Journal of Sustainable Development and World Ecology	2016	4
Off-grid energy development in India: An approach towards sustainability	Mishra A., Sarangi G.K., Wadehra S.	Economic and Political Weekly	2016	4
The role of DNA restriction-modification systems in the biology of Bacillus anthracis	Sitaraman R.	Frontiers in Microbiology	2016	4
Molecular modeling and lead design of substituted zanamivir derivatives as potent anti-influenza drugs	Dholakia D., Goyal S., Jamal S., Singh A., Das A., Grover A.	BMC Bioinformatics	2016	3
Isolation and characterization of Candida vishwanathii strain TERI MS1 for degradation of petroleum hydrocarbons in marine environment	Priya A., Manab Sarma P., Lal B.	Desalination and Water Treatment	2016	3
Use of Geospatial Tools to Prioritize Zones of Hydro-Energy Potential in Glaciated Himalayan Terrain	Sam L., Bhardwaj A., Sinha V.S.P., Joshi P.K., Kumar R.	Journal of the Indian Society of Remote Sensing	2016	3
A simple and effective retrieval of land surface temperature using a new reflectance based Emissivity estimation technique	Nithyanandam Y., Nichol J.E.	International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives	2016	3
Understanding trends and shifts in rainfall in parts of northwestern India based on global climatic indices	Narayanan P., Basistha A., Sachdeva K.	Weather	2016	2
Natural genetic variation in Brassica homologs of FLOWERING LOCUS T and characterization of its expression domains	Mayee P., Singh A.	Journal of Plant Biochemistry and Biotechnology	2016	2
Sustaining the Farming Household to Sustain the Farming	Nawn N.	Journal of Agrarian Change	2016	2
Probiotics as a potential alternative for relieving peripheral neuropathies: A case for Guillain-Barré Syndrome	Saxena A.	Frontiers in Microbiology	2016	2

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Title of the paper	Name of Author	Title of the journal	Year of publication	Citation index Scopus [8743]
Changes in DNA methylation levels during seed development in <i>Jatropha curcas</i>	Pandey P., Malik A.A., Kumar K., Negi M.S., Tripathi S.B.	Journal of Genetics	2016	1
Health impact of water-related diseases in developing countries on account of climate change: A systematic review-a study in regard to South Asian countries	Das S.	Public Health and Welfare: Concepts, Methodologies, Tools, and Applications	2016	1
Comparison of signal-to-noise ratio and its features variation	Singh R.K., Govil H., Singh S.	Proceedings of SPIE - The International Society for Optical Engineering	2016	1
Characterization of free-fall dust aerosols at two different heights in Delhi: Understanding the influence of carbon fraction	Sachdeva K., Yadav S.	Journal of Hazardous, Toxic, and Radioactive Waste	2016	0
Public procurement in India	Nanda N., Shiju M.V., Diljun G.M.	Competition Policies and Consumer Welfare: Corporate Strategies and Consumer Prices in Developing Countries	2016	0
Health impact of water-related diseases in developing countries on account of climate change-a systematic review: A study in regard to South Asian countries	Das S.	Natural Resources Management: Concepts, Methodologies, Tools, and Applications	2016	0
New education policy and the continuing contentions	Venkataraman L.N.	Economic and Political Weekly	2016	0
Re-assessment of wind energy potential with new technology in India	Hossain J., Sharma D., Mishra N.K., Ansari M.Z., Kishore V.V.N.	Wind Engineering	2016	0
Industrial symbiosis among small and medium scale enterprises: Case of Muzaffarnagar, India	Chattopadhyay S., Kumar N., Fine C., Olivetti E.	REWAS 2016: Towards Materials Resource Sustainability	2016	0
Industrial symbiosis among small and medium scale enterprises: Case of Muzaffarnagar, India	Chattopadhyay S., Kumar N., Fine C., Olivetti E.	TMS Annual Meeting	2016	0
Performance analysis of 100 kWp grid connected Si-poly photovoltaic system using PVsyst simulation tool	Kumar N.M., Kumar M.R., Rejoice P.R., Mathew M.	Energy Procedia	2017	77
Multivariate statistical analysis and geochemical modeling for geochemical assessment of groundwater of Delhi, India	Singh C.K., Kumar A., Shashtri S., Kumar A., Kumar P., Mallick J.	Journal of Geochemical Exploration	2017	71
An urban systems framework to assess the trans-boundary food-energy-water nexus: Implementation in Delhi, India	Ramaswami A., Boyer D., Nagpure A.S., Fang A., Bogra S., Bakshi B., Cohen E., Rao-Ghorpade A.	Environmental Research Letters	2017	68
Advanced simulation of biomass gasification in a fluidized bed reactor using ASPEN PLUS	Kaushal P., Tyagi R.	Renewable Energy	2017	68
Spatial soil organic carbon (SOC) prediction by regression kriging using remote sensing data	Mondal A., Khare D., Kundu S., Mondal S., Mukherjee S., Mukhopadhyay A.	Egyptian Journal of Remote Sensing and Space Science	2017	47
Rural electricity access in India in retrospect: A critical rumination	Palit D., Bandyopadhyay K.R.	Energy Policy	2017	47
Bioelectrochemical approaches for removal of sulfate, hydrocarbon and salinity from produced water	Jain P., Sharma M., Dureja P., Sarma P.M., Lal B.	Chemosphere	2017	43
Thiocarbonylhydrazide Cross-Linked Oxidized Chitosan and Poly(vinyl alcohol): A Green Framework as Efficient Cu(II), Pb(II), and Hg(II) Adsorbent	Ahmad M., Manzoor K., Chaudhuri R.R., Ikram S.	Journal of Chemical and Engineering Data	2017	34
A climate policy pathway for near- and long-term benefits	Shindell D., Borgford-Parnell N., Brauer M., Haines A., Kuylenstierna J.C.I., Leonard S.A., Ramanathan V., Ravishankara A., Amann M., Srivastava L.	Science	2017	34
Uncertainty of soil erosion modelling using open source high resolution and aggregated DEMs	Mondal A., Khare D., Kundu S., Mukherjee S., Mukhopadhyay A., Mondal S.	Geoscience Frontiers	2017	33
Dynamic analysis and ecological evaluation of urban heat islands in Raipur city, India	Guha S., Govil H., Mukherjee S.	Journal of Applied Remote Sensing	2017	29
Photo-chemical transport modelling of tropospheric ozone: A review	Sharma S., Sharma P., Khare M.	Atmospheric Environment	2017	25
Pan-genome analysis of <i>Clostridium botulinum</i> reveals unique targets for drug development	Bhardwaj T., Somvanshi P.	Gene	2017	23
Mechanistic Principles Behind Molecular Mechanism of Rifampicin Resistance in Mutant RNA Polymerase Beta Subunit of <i>Mycobacterium tuberculosis</i>	Singh A., Grover S., Sinha S., Das M., Somvanshi P., Grover A.	Journal of Cellular Biochemistry	2017	22
Geographically weighted regression based quantification of rainfall-topography relationship and rainfall gradient in Central Himalayas	Kumari M., Singh C.K., Bakimchandra O., Basistha A.	International Journal of Climatology	2017	21
Flowing against the current: The socio-technical mediation of water (in)security in periurban Gurgaon, India	Narain V., Singh A.K.	Geoforum	2017	19

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Analysis of urban built-up areas and surface urban heat island using downscaled MODIS derived land surface temperature data	Mukherjee S., Joshi P.K., Garg R.D.	Geocarto International	2017	18
The changing Himalayan landscape: pine-oak forest dynamics and the supply of ecosystem services	Naudiyal N., Schmerbeck J.	Journal of Forestry Research	2017	17
Environmental life cycle assessment of edible oils: A review of current knowledge and future research challenges	Khatri P., Jain S.	Journal of Cleaner Production	2017	16
Exposure to in-vehicle respirable particulate matter in passenger vehicles under different ventilation conditions and seasons	Jain S.	Sustainable Environment Research	2017	16
Natural polyphenolic inhibitors against the antiapoptotic BCL-2	Verma S., Singh A., Kumari A., Tyagi C., Goyal S., Jamal S., Grover A.	Journal of Receptors and Signal Transduction	2017	15
Optimum sizing and performance modeling of Solar Photovoltaic (SPV) water pumps for different climatic conditions	Renu, Bora B., Prasad B., Sastry O.S., Kumar A., Bangar M.	Solar Energy	2017	15
Soil moisture variations in remotely sensed and reanalysis datasets during weak monsoon conditions over central India and central Myanmar	Shrivastava S., Kar S.C., Sharma A.R.	Theoretical and Applied Climatology	2017	14
Vulnerability of agro-ecological zones in India under the earth system climate model scenarios	Shukla R., Chakraborty A., Joshi P.K.	Mitigation and Adaptation Strategies for Global Change	2017	14
A cradle-to-gate assessment of environmental impacts for production of mustard oil using life cycle assessment approach	Khatri P., Jain S., Pandey S.	Journal of Cleaner Production	2017	13
Demand for environmental quality information and household response: Evidence from well-water arsenic testing	Barnwal P., van Geen A., von der Goltz J., Singh C.K.	Journal of Environmental Economics and Management	2017	12
Off-grid electricity interventions for cleaner livelihoods: A case study of value chain development in Dhenkanal district of Odisha	Narula S.A., Bhattacharyya S.	Journal of Cleaner Production	2017	12
Characterizing fragmentation trends of the Himalayan forests in the Kumaon region of Uttarakhand, India	Chakraborty A., Ghosh A., Sachdeva K., Joshi P.K.	Ecological Informatics	2017	11
A sustainable livelihood framework to implement CSR project in coal mining sector	Narula S.A., Magray M.A., Desore A.	Journal of Sustainable Mining	2017	11
Assessment of carbon neutrality and sustainability in educational campuses (CaNSEC): A general framework	Jain S., Agarwal A., Jani V., Singhal S., Sharma P., Jalan R.	Ecological Indicators	2017	10
Mechanistic insights into the binding of class IIa HDAC inhibitors toward spinocerebellar ataxia type-2: A 3D-QSAR and pharmacophore modeling approach	Sinha S., Goyal S., Somvanshi P., Grover A.	Frontiers in Systems Neuroscience	2017	10
Gender Mainstreaming in Forest Governance: Analysing 25 Years of Research and Policy in South Asia	Tyagi N., Das S.	International Forestry Review	2017	9
Conformational ensembles of α -synuclein derived peptide with different osmolytes from temperature replica exchange sampling	Jamal S., Kumari A., Singh A., Goyal S., Grover A.	Frontiers in Neuroscience	2017	8
Ecological distribution conflicts (EDCs) over mineral extraction in India: An overview	Bisht A., Gerber J.-F.	Extractive Industries and Society	2017	8
In silico analysis of natural compounds targeting structural and nonstructural proteins of chikungunya virus	Jain J., Kumari A., Somvanshi P., Grover A., Pai S., Sunil S.	F1000Research	2017	8
Non-stationary modelling framework for rainfall interpolation in complex terrain	Kumari M., Singh C.K., Basistha A., Dorji S., Tamang T.B.	International Journal of Climatology	2017	7
Assessing forest fragmentation in north-western Himalaya: a case study from Ranikhet forest range, Uttarakhand, India	Sharma M., Chakraborty A., Garg J.K., Joshi P.K.	Journal of Forestry Research	2017	7
Growth, lipid productivity and cellular mechanism of lipid accumulation in microalgae <i>Monoraphidium</i> sp. following different phosphorous concentrations for biofuel production	Dhup S., Kannan D.C., Dhawan V.	Current Science	2017	7
Structures of designed armadillo repeat proteins binding to peptides fused to globular domains	Hansen S., Kiefer J.D., Madhurantakam C., Mittl P.R.E., Plückthun A.	Protein Science	2017	6
Impact assessment of short-term variability of solar radiation in Rajasthan using SRRA data	Tripathy S.K., Mitra I., Heinemann D., Giridhar G., Gomathinayagam S.	Renewable and Sustainable Energy Reviews	2017	6
DEM-based delineation for improving geostatistical interpolation of rainfall in mountainous region of Central Himalayas, India	Kumari M., Singh C.K., Bakimchandra O., Basistha A.	Theoretical and Applied Climatology	2017	6
Inter-annual variability of summer monsoon rainfall over Myanmar	Shrivastava S., Kar S.C., Sharma A.R.	International Journal of Climatology	2017	6
Vermicomposting of terrestrial weeds <i>Lantana camara</i> L. And <i>Parthenium hysterophorus</i> L.: Agriculture solid waste	Singh C.K., Kumar A.	Ecological Questions	2017	6

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Title of the paper	Name of Author	Title of the journal	Year of publication	Citation index Scopus [8743]
Power enhancement of solar photovoltaic module using micro-climatic strategies in warm-humid tropical climate	Junaidh P.S., Vijay A., Mathew M.	2017 Innovations in Power and Advanced Computing Technologies, i-PACT 2017	2017	6
Heterogeneity, impatience, and dynamic private provision of a discrete public good	Bhattacharya S.K., Tokovenko O., Sardana K.	Journal of Public Economic Theory	2017	5
Mechanism design for land acquisition	Sarkar S.	International Journal of Game Theory	2017	5
Functional characterization of a novel Brassica LEAFY homolog from Indian mustard: Expression pattern and gain-of-function studies	Dhakate P., Tyagi S., Singh A., Singh A.	Plant Science	2017	5
Intraseasonal Variability of Summer Monsoon Rainfall and Droughts over Central India	Shrivastava S., Kar S.C., Sharma A.R.	Pure and Applied Geophysics	2017	5
Economic reforms and agricultural growth in India	De Roy S.	Economic and Political Weekly	2017	5
Determinants of respiratory and cardiovascular health effects in traffic policemen: A perception-based comparative analysis	Bajaj N., Sharma T., Suneja D., Jain S., Kumar P.	Journal of Transport and Health	2017	5
A Reflection on Image Classifications for Forest Ecology Management: Towards Landscape Mapping and Monitoring	Chakraborty A., Sachdeva K., Joshi P.K.	Handbook of Neural Computation	2017	5
A GIS-based methodological framework to characterize the Resource Management Domain (RMD): A case study of Mewat district, Haryana, India	Mehra M., Singh C.K., Abrol I.P., Oinam B.	Land Use Policy	2017	5
Optimum level of insulation for energy efficient envelope of office buildings	Batra U., Singhal S.	International Journal of Environmental Science and Technology	2017	4
Exploring the nature of rural energy transition in India: Insights from case studies of eight villages in Bihar	Goswami A., Bandyopadhyay K.R., Kumar A.	International Journal of Energy Sector Management	2017	4
Double Mutants in DNA Gyrase Lead to Ofloxacin Resistance in Mycobacterium tuberculosis	Pandey B., Grover S., Tyagi C., Goyal S., Jamal S., Singh A., Kaur J., Grover A.	Journal of Cellular Biochemistry	2017	4
Derivation of velocity of the potsdam glacier, east antarctica using SAR interferometry	Jawak S.D., Pandit P.H., Luis A.J., Malik K., Sinha V.S.P.	38th Asian Conference on Remote Sensing - Space Applications: Touching Human Lives, ACRS 2017	2017	4
Clustering Data and Incorporating Topographical Variables for Improving Spatial Interpolation of Rainfall in Mountainous Region	Kumari M., Singh C.K., Basistha A.	Water Resources Management	2017	4
Microbially Mediated Electrosynthesis Processes	Sharma M., Sarma P.M.	Microbial Fuel Cell: A Bioelectrochemical System that Converts Waste to Watts	2017	3
A Review Analysis of Inverter Topologies for Solar PV Applications Focused on Power Quality	Faruqi S.N.A., Anwer N.	Journal of The Institution of Engineers (India): Series B	2017	3
Is maternal body mass index associated with neonatal mortality? A pooled analysis of nationally representative data from nine Asian countries	Rai R.K., Singh L., Singh P.K.	Nutrition	2017	3
Dissecting the role of mutations in chymase inhibition: Free energy and decomposition analysis	Verma S., Singh A., Kumari A., Goyal S., Jamal S., Sinha S., Grover A.	Gene	2017	3
Cause and occurrence of drought	Basu R., Singh C.K., Eslamian S.	Handbook of Drought and Water Scarcity: Principles of Drought and Water Scarcity	2017	3
Economic analysis of an energy efficient LED based lighting scheme for a pharmaceutical industry	Paul B., Kamath V., Mathew M.	2017 Innovations in Power and Advanced Computing Technologies, i-PACT 2017	2017	3
Mitigation of PID in commercial PV modules using current interruption method	Bora B., Oh J., Tatapudi S., Sastry O.S., Kumar R., Prasad B., Tamizhmani G.	Proceedings of SPIE - The International Society for Optical Engineering	2017	3
Analyzing the "energy-efficiency gap" An empirical analysis of air conditioners in the household sector of Delhi	Bhardwaj K., Gupta E.	Indian Growth and Development Review	2017	3
What influences the plant community composition on Delhi ridge? The role played by Prosopis juliflora and anthropogenic disturbances	Naudiyal N., Schmerbeck J., Gärtner S.	Tropical Ecology	2017	3

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Global and Indian supply chain of textiles	Begum Z., Das S.	A Study of India's Textile Exports and Environmental Regulations	2017	2
Designing a watershed scorecard as a performance evaluation tool for Ur River watershed, Tikamgarh District, Madhya Pradesh	Gupta M., Goyal V.C., Tarannum F., Patil J.P.	International Soil and Water Conservation Research	2017	2
Lighting audit and energy efficient LED based lighting scheme for a pharmaceutical industry	Paul B., Kamath V., Mathew M.	2017 Innovations in Power and Advanced Computing Technologies, i-PACT 2017	2017	2
Faculty experiences with teaching sustainability in management education: A study of select management institutions in India	Bandyopadhyay K.R., Mahajan R.	Handbook of Sustainability in Management Education: In Search of a Multidisciplinary, Innovative and Integrated Approach	2017	2
Trade Potential between India and Central Asia	Agrawal P., Sangita S.	Margin	2017	1
Energy efficient lighting design for a food processing industry located at composite climate of India	Johnson A.M., Shailesh K.R., Mathew M.	Proceedings of IEEE International Conference on Circuit, Power and Computing Technologies, ICCPCT 2017	2017	1
Optimization and molecular characterization of syngas fermenting anaerobic mixed microbial consortium TERI SA1	Singla A., Kumar S., Lavania M., Chhipa H., Kapardar R., Rastogi S., Lal B., Sarma P.M.	International Journal of Renewable Energy Development	2017	1
Plant tissue culture based strategies for production of withanolides	Soni D., Rana P., Goyal S., Singh A., Jamal S., Grover A.	Science of Ashwagandha: Preventive and Therapeutic Potentials	2017	1
Integrating and implementing CSR: A case of CONCOR (Container Corporation of India) in India	Thakur A.K., Narula S.A., Zutshi A.	Development-Oriented Corporate Social Responsibility	2017	1
Mobile Medical Units—Can They Improve the Quality of Health Services in Developing Countries?	Khanna A.B., Narula S.A.	Journal of Health Management	2017	1
Mutations induce conformational changes in folliculin C-terminal domain: possible cause of loss of guanine exchange factor activity and Birt-Hogg-Dubé syndrome	Verma S., Tyagi C., Goyal S., Pandey B., Jamal S., Singh A., Grover A.	Journal of Biomolecular Structure and Dynamics	2017	1
Occupant comfort analysis of an educational building located in warm-humid tropical climate	Mathew M., Ali V.P.F., Yasir M.K., Shibiyas K.	2017 Innovations in Power and Advanced Computing Technologies, i-PACT 2017	2017	1
Design and implementation of two level and multilevel inverter	Pattnaik A., Mittal S., Gupta V., Prasad B., Bhoi A.K.	Lecture Notes in Electrical Engineering	2017	1
Food, fuel and climate change: India's trilemma	Kaushal P.	Current Science	2017	1
Diffusion of cleaner production innovation in clay-fired brick sector - Case study of Varanasi brick cluster in Eastern India	Kumar S., Sharma P., Vaidyanathan G., Yap N.T.	International Journal of Entrepreneurship and Innovation Management	2017	1
Non-tariff barriers in textiles: Incidence and perceptions	Kavi Kumar K.S., Begum Z., Das S.	A Study of India's Textile Exports and Environmental Regulations	2017	0
Introduction	Nawn N., Vasan S., Kothari A.	Economic and Political Weekly	2017	0
On the tacit aspects of science pedagogy in higher education	Sitaraman R.	Frontiers in Psychology	2017	0
Phasor measurement unit: Making the grid smarter a case study of voltage dip on 11kV feeders during fault at 220kV Samaypur Station, Faridabad (India) of BBMB Dated May 21, 2013 (23:55:06hrs)	Anwer N., Siddiqui A.S., Bhatnagar S.	Proceeding - IEEE International Conference on Computing, Communication and Automation, ICCCA 2016	2017	0

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Urbanization Challenges in Emerging Economies	Johar P., Singh D., Kumar A.	Urbanization Challenges in Emerging Economies: Energy and Water Infrastructure; Transportation Infrastructure; and Planning and Financing - Selected Papers from the ASCE India Conference 2017	2017	0
An application to capture spatial data by crowd sourcing	Durairajan V., Ragavee K., Vimalathitthan S.	38th Asian Conference on Remote Sensing - Space Applications: Touching Human Lives, ACRS 2017	2017	0
Temporal analysis of summer-time urban heat island intensity over five metropolitan cities in India	Yogeswaran N., Jacob S.S., Shanmugam V.	38th Asian Conference on Remote Sensing - Space Applications: Touching Human Lives, ACRS 2017	2017	0
A pilot study on prediction of heat wave events over the coastal area of India using sea surface temperature	Arun Murali C.M., Chandel A., Nithiyandam Y.	38th Asian Conference on Remote Sensing - Space Applications: Touching Human Lives, ACRS 2017	2017	0
Drought monitoring using open source remote sensing datasets	Pandit P.H., Nithiyandam Y.	38th Asian Conference on Remote Sensing - Space Applications: Touching Human Lives, ACRS 2017	2017	0
GIS based analysis of accessibility of urban green spaces in four wards of Delhi	Jain K.	38th Asian Conference on Remote Sensing - Space Applications: Touching Human Lives, ACRS 2017	2017	0
Solar block: Thermal capacity enhancement of concrete bricks using water and candle wax for passive indoor thermal comfort	Ranjan R., Acharya A., Wangchuk S.	2017 Innovations in Power and Advanced Computing Technologies, i-PACT 2017	2017	0
Why India needs government support to manage waste?	Mishra G., Kaushal P.	Water and Energy International	2017	0
An observation-based climatology and forecasts of winter fog in Ghaziabad, India	Srivastava S.K., Sharma A.R., Sachdeva K.	Weather	2017	0
Concentrating molasses distillery wastewater using biomimetic forward osmosis (FO) membranes	Singh N., Petrinic I., Hélix-Nielsen C., Basu S., Balakrishnan M.	Water Research	2018	45
Recent advancements in earth air tunnel heat exchanger (EATHE) system for indoor thermal comfort application: A review	Singh R., Sawhney R.L., Lazarus I.J., Kishore V.V.N.	Renewable and Sustainable Energy Reviews	2018	40
Vulnerability assessment of urban road network from urban flood	Singh P., Sinha V.S.P., Vijhani A., Pahuja N.	International Journal of Disaster Risk Reduction	2018	33
Energy and GHG accounting for wastewater infrastructure	Singh P., Kansal A.	Resources, Conservation and Recycling	2018	33
An overview on corporate response towards sustainability issues in textile industry	Desore A., Narula S.A.	Environment, Development and Sustainability	2018	30
Prokaryotic horizontal gene transfer within the human holobiont: Ecological-evolutionary inferences, implications and possibilities 06 Biological Sciences 0604 Genetics	Sitaraman R.	Microbiome	2018	27
Inherent vulnerability assessment of rural households based on socio-economic indicators using categorical principal component analysis: A case study of Kimsar region, Uttarakhand	Rajesh S., Jain S., Sharma P.	Ecological Indicators	2018	24
Strategic framework towards measuring a circular supply chain management	Jain S., Jain N.K., Metri B.	Benchmarking	2018	23
Recent developments and obstacles in the treatment of melanoma with BRAF and MEK inhibitors	Wahid M., Jawed A., Mandal R.K., Dar S.A., Akhter N., Somvanshi P., Khan F., Lohani M., Areshi M.Y., Haque S.	Critical Reviews in Oncology/Hematology	2018	21
Role of pncA gene mutations W68R and W68G in pyrazinamide resistance	Aggarwal M., Singh A., Grover S., Pandey B., Kumari A., Grover A.	Journal of Cellular Biochemistry	2018	21

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Arsenic contamination in Rapti River Basin, Terai region of India	Singh C.K., Kumar A., Bindal S.	Journal of Geochemical Exploration	2018	19
Dynamics of fluoroquinolones induced resistance in DNA gyrase of <i>Mycobacterium tuberculosis</i>	Pandey B., Grover S., Tyagi C., Goyal S., Jamal S., Singh A., Kaur J., Grover A.	Journal of Biomolecular Structure and Dynamics	2018	18
Interpreting best available technologies more flexibly: A policy perspective for municipal wastewater management in India and other developing countries	Starkl M., Anthony J., Aymerich E., Brunner N., Chubilleau C., Das S., Ghangrekar M.M., Kazmi A.A., Philip L., Singh A.	Environmental Impact Assessment Review	2018	17
Impact of regional climate change and future emission scenarios on surface O ₃ and PM _{2.5} over India	Pommier M., Fagerli H., Gauss M., Simpson D., Sharma S., Sinha V., Ghude S.D., Landgren O., Nyiri A., Wind P.	Atmospheric Chemistry and Physics	2018	17
Hydro-geochemical assessment of groundwater quality in Aseer Region, Saudi Arabia	Mallick J., Singh C.K., AlMesfer M.K., Kumar A., Khan R.A., Islam S., Rahman A.	Water (Switzerland)	2018	16
Quantitative analysis of the methane gas emissions from municipal solid waste in India	Singh C.K., Kumar A., Roy S.S.	Scientific Reports	2018	16
Validation of the SARAH-E satellite-based surface solar radiation estimates over India	Riihelä A., Kallio V., Devraj S., Sharma A., Lindfors A.V.	Remote Sensing	2018	14
Challenges in meeting all of India's electricity from solar: An energetic approach	Jain S., Jain N.K., Vaughn W.J.	Renewable and Sustainable Energy Reviews	2018	14
Alanine mutation of the catalytic sites of Pantothenate Synthetase causes distinct conformational changes in the ATP binding region	Pandey B., Grover S., Goyal S., Kumari A., Singh A., Jamal S., Kaur J., Grover A.	Scientific Reports	2018	13
Vulnerability of forests in the Himalayan region to climate change impacts and anthropogenic disturbances: a systematic review	Chakraborty A., Saha S., Sachdeva K., Joshi P.K.	Regional Environmental Change	2018	13
Wild-type catalase peroxidase vs G279D mutant type: Molecular basis of Isoniazid drug resistance in <i>Mycobacterium tuberculosis</i>	Singh A., Singh A., Grover S., Pandey B., Kumari A., Grover A.	Gene	2018	13
Energy rating estimation of PV module technologies for different climatic conditions	Bora B., Kumar R., Sastry O.S., Prasad B., Mondal S., Tripathi A.K.	Solar Energy	2018	12
Facile synthesis of UV blocking nano-sized Zinc Oxide and Polymethyl-methacrylate polymer nanocomposite coating material	Rawat A., Soni U., Malik R.S., Pandey S.C.	Nano-Structures and Nano-Objects	2018	12
Encouraging urban households to segregate the waste they generate: Insights from a field experiment in Delhi, India	Wadehra S., Mishra A.	Resources, Conservation and Recycling	2018	12
Carbon dioxide emissions from the flat bottom and shallow Nam Theun 2 Reservoir: Drawdown area as a neglected pathway to the atmosphere	Deshmukh C., Guérin F., Vongkhamso A., Pighini S., Oudone P., Sopraseuth S., Godon A., Rode W., Guédant P., Oliva P., Audry S., Zouiten C., Galy-Lacaux C., Robain H., Ribolzi O., Kansal A., Chanudet V., Descloux S., Sercq D.	Biogeosciences	2018	11
Natural variation in Brassica FT homeologs influences multiple agronomic traits including flowering time, silique shape, oil profile, stomatal morphology and plant height in <i>B. juncea</i>	Tyagi S., Mazumdar P.A., Mayee P., Shivaraj S.M., Anand S., Singh A., Madhurantakam C., Sharma P., Das S., Kumar A., Singh A.	Plant Science	2018	10
A Cross-National Study of the Gender Gap in Health among Older Adults in India and China: Similarities and Disparities	Oksuzyan A., Singh P.K., Christensen K., Jasilionis D.	Gerontologist	2018	10
Capturing forest dependency in the central Himalayan region: Variations between Oak (<i>Quercus</i> spp.) and Pine (<i>Pinus</i> spp.) dominated forest landscapes	Chakraborty A., Joshi P.K., Sachdeva K.	Ambio	2018	10
Analysis of a grid connected solar photovoltaic system with different PV technologies	Mathew M., Hossain J.	IEEE International Conference on Circuits and Systems, ICCS 2017	2018	10
Outdoor measurement of mono and poly c-Si PV modules and array characteristics under varying load in hot-humid tropical climate	Mathew M., Kumar N.M., I Koroth R.P.	Materials Today: Proceedings	2018	10
18-year ambient PM _{2.5} exposure and night light trends in Indian cities: Vulnerability assessment	Pal R., Chowdhury S., Dey S., Sharma A.R.	Aerosol and Air Quality Research	2018	9
Health risk assessment due to biomass smoke exposure in Indian indoor environment: An empirical approach using lung deposition model	Tigala S., Sharma A.R., Sachdeva K.	Science of the Total Environment	2018	8
Gender difference in cognitive health among older Indian adults: A cross-sectional multilevel analysis	Singh P.K., Jasilionis D., Oksuzyan A.	SSM - Population Health	2018	8
Inhibition of C298S mutant of human aldose reductase for antidiabetic applications: Evidence from in silico elementary mode analysis of biological network model	Khan S., Bhardwaj T., Somvanshi P., Mandal R.K., Dar S.A., Jawed A., Wahid M., Akhter N., Lohani M., Alouffi S., Haque S.	Journal of Cellular Biochemistry	2018	8
Synergistic approaches unraveling regulation and aggregation of intrinsically disordered β -amyloids implicated in Alzheimer's disease	Kumari A., Rajput R., Shrivastava N., Somvanshi P., Grover A.	International Journal of Biochemistry and Cell Biology	2018	8
Examining the rainfall-topography relationship using non-stationary modelling technique in semi-arid Aseer region, Saudi Arabia	Mallick J., Singh R.K., Khan R.A., Singh C.K., Kahla N.B., Warrag E.I., Islam S., Rahman A.	Arabian Journal of Geosciences	2018	8
Agriculture in the western Himalayas—an asset turning into a liability	Shukla R., Chakraborty A., Sachdeva K., Joshi P.K.	Development in Practice	2018	8

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Title of the paper	Name of Author	Title of the journal	Year of publication	Citation index Scopus [8743]
Simulation Based Investigation of Deleterious nsSNPs in ATXN2 Gene and Its Structural Consequence Toward Spinocerebellar Ataxia	Sinha S., Verma S., Singh A., Somvanshi P., Grover A.	Journal of Cellular Biochemistry	2018	8
Highly preserved roles of Brassica MIR172 in polyploid Brassicas: ectopic expression of variants of Brassica MIR172 accelerates floral transition	Shivaraj S.M., Jain A., Singh A.	Molecular Genetics and Genomics	2018	7
Analysis of genetic relatedness among Indian cattle (<i>Bos indicus</i>) using genotyping-by-sequencing markers	Malik A.A., Sharma R., Ahlawat S., Deb R., Negi M.S., Tripathi S.B.	Animal Genetics	2018	7
Health financing strategies to reduce out-of-pocket burden in India: A comparative study of three states 16 Studies in Human Society 1605 Policy and Administration 11 Medical and Health Sciences 1117 Public Health and Health Services 14 Economics 1402 Applied Economics	Bose M., Dutta A.	BMC Health Services Research	2018	6
It's not (all) about efficiency: Powering and organizing technology from a degrowth perspective	Zoellick J.C., Bisht A.	Journal of Cleaner Production	2018	6
Simulation of surface runoff using semi distributed hydrological model for a part of Satluj Basin: parameterization and global sensitivity analysis using SWAT CUP	Khatun S., Sahana M., Jain S.K., Jain N.	Modeling Earth Systems and Environment	2018	6
High-grade activated carbon from pyrolytic biochar of <i>Jatropha</i> and <i>Karanja</i> oil seed cakes—Indian biodiesel industry wastes	Garg S., Das P.	Biomass Conversion and Biorefinery	2018	6
Sequence and functional characterization of MIRNA164 promoters from Brassica shows copy number dependent regulatory diversification among homeologs	Jain A., Anand S., Singh N.K., Das S.	Functional and Integrative Genomics	2018	6
Understanding public perception, knowledge and behaviour for water quality management of the river Yamuna in India	Tarannum F., Kansal A., Sharma P.	Water Policy	2018	6
Spatial analysis of soil resources in the Mewat district in the semi-arid regions of Haryana, India	Mehra M., Singh C.K.	Environment, Development and Sustainability	2018	6
Demystifying vulnerability assessment of agriculture communities in the Himalayas: A systematic review	Shukla R., Sachdeva K., Joshi P.K.	Natural Hazards	2018	6
Comparative study of different Biological Processes for non-segregated Municipal Solid Waste (MSW) leachate treatment	Chaturvedi H., Das P., Kaushal P.	Environmental Technology and Innovation	2018	6
Impacts of anthropogenic disturbances on forest succession in the mid-montane forests of Central Himalaya	Naudiyal N., Schmerbeck J.	Plant Ecology	2018	6
Modelling the impact of Nigeria household energy policies on energy consumption and CO2 emissions	Dioha M.O.	Engineering Journal	2018	5
In silico identification of molecular mimics involved in the pathogenesis of <i>Clostridium botulinum</i> ATCC 3502 strain	Bhardwaj T., Haque S., Somvanshi P.	Microbial Pathogenesis	2018	5
Insight into the inhibitor discrimination by FLT3 F691L	Verma S., Singh A., Kumari A., Pandey B., Jamal S., Goyal S., Sinha S., Grover A.	Chemical Biology and Drug Design	2018	5
Design and analysis of solar photovoltaic based coal mine reclamation in India	Mathew M., Sharma Y.K., Magry M.A.	2017 International Conference on Intelligent Computing, Instrumentation and Control Technologies, ICICICT 2017	2018	5
The DSSAT model simulations of soil moisture and evapotranspiration over central India and comparison with remotely-sensed data	Shrivastava S., Kar S.C., Sharma A.R.	Modeling Earth Systems and Environment	2018	5
Identification of Drought Occurrences Using Ensemble Predictions up to 20-Days in Advance	Shrivastava S., Kar S.C., Sahai A.K., Sharma A.R.	Water Resources Management	2018	5
Aspartate-β-semialdehyde dehydrogenase as a potential therapeutic target of <i>Mycobacterium tuberculosis</i> H37Rv: Evidence from in silico elementary mode analysis of biological network model	Khan S., Somvanshi P., Bhardwaj T., Mandal R.K., Dar S.A., Wahid M., Jawed A., Lohani M., Khan M., Areeshi M.Y., Haque S.	Journal of Cellular Biochemistry	2018	5
Biodiversity study and potential of fungal endophytes of peppermint and effect of their extract on chickpea rot pathogens	Chowdhary K., Kaushik N.	Archives of Phytopathology and Plant Protection	2018	5
An efficient method for <i>Agrobacterium</i> -mediated genetic transformation of chilli pepper (<i>Capsicum annuum</i> L.)	Mahto B.K., Sharma P., Rajam M.V., Reddy P.M., Dhar-Ray S.	Indian Journal of Plant Physiology	2018	4
Assessing gender responsiveness of forest policies in India	Tyagi N., Das S.	Forest Policy and Economics	2018	4
Structural investigations on mechanism of lapatinib resistance caused by HER-2 mutants	Verma S., Goyal S., Kumari A., Singh A., Jamal S., Grover A.	PLoS ONE	2018	4

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In silico identification of immunodominant B-cell and T-cell epitopes of non-structural proteins of Usutu Virus	Satyam R., Janahi E.M., Bhardwaj T., Somvanshi P., Haque S., Najm M.Z.	Microbial Pathogenesis	2018	3
Renewable Energy Capacity Value Estimation Using Peak Period Method in Rajasthan	Subramaniyan S., Mathew M., Hossain J.	2018 3rd International Conference for Convergence in Technology, I2CT 2018	2018	3
Linking forest successional dynamics to community dependence on provisioning ecosystem services from the Central Himalayan forests of Uttarakhand	Naudiyal N., Schmerbeck J.	Environmental Management	2018	3
Rising caesarean births: A growing concern	Singh P.K., Rai R.K., Singh S., Singh L.	Economic and Political Weekly	2018	3
Valuing Treated Wastewater and Reuse: Preliminary Implications From a Meta-Analysis	Bouzit M., Das S., Cary L.	Water Economics and Policy	2018	3
Rooftop solar PV for urban residential buildings of Nigeria: A preliminary attempt towards potential estimation	Dioha M.O., Kumar A.	AIMS Energy	2018	3
Spatiotemporal changes in velocity of Mellor glacier, East Antarctica using Landsat-8 data	Pandit P.H., Khot U., Jawak S.D., Luis A.J.	International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives	2018	2
Semi-automated cemetery mapping using smartphones	Demir N., Yogeswaran N.	International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives	2018	2
Changes in velocity of fisher glacier, east Antarctica using pixel tracking method	Jawak S.D., Upadhy A., Pandit P.H., Luis A.J.	International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives	2018	2
Capacity Value Estimation of Renewable Energy in Maharashtra Using Peak Period Method	Subramaniyan S., Mathew M., Hossain J., Kumar A.	2018 3rd International Conference for Convergence in Technology, I2CT 2018	2018	2
A computational approach using mathematical modeling to assess the peptidoglycan biosynthesis of Clostridium botulinum ATCC 3502 for potential drug targets	Bhardwaj T., Somvanshi P.	Gene Reports	2018	2
The Climate Change Conundrum and the Himalayan Forests: The Way Forward into the Future	Chakraborty A., Shukla R., Sachdeva K., Roy P.S., Joshi P.K.	Proceedings of the National Academy of Sciences India Section B - Biological Sciences	2018	2
A fine balance: Lessons from India's experience with petroleum subsidy reforms	Jain A.K.	Energy Policy	2018	2
Grid connected energy efficient building with roof top SPV	Khan M.A., Mishra S., Harish V.S.K.V.	2017 Recent Developments in Control, Automation and Power Engineering, RDCAPE 2017	2018	2
Development of permanent magnet axial flux generator for small wind turbines	Kumar S.N., Karthikeyan N., Mathew M., Hossain J.	IEEE International Conference on Circuits and Systems, ICCS 2017	2018	2
Extraction of blue ice area using albedo value derived from Landsat- 8 satellite data	Luis A.J., Pandit P.H., Jawak S.D.	International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives	2018	1
3- Φ Z-Source PWM Controlled Solar Photovoltaic Inverter	Faruqi S.N.A., Anwer N., Prasad B.	2018 3rd International Conference for Convergence in Technology, I2CT 2018	2018	1

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Title of the paper	Name of Author	Title of the journal	Year of publication	Citation index Scopus [8743]
Ecology, economy and society: Essays in honour of Kanchan Chopra	Dayal V., Duraiappah A., Nawn N.	Ecology, Economy and Society: Essays in Honour of Kanchan Chopra	2018	1
Modeling fuel efficiency for heavy duty vehicles (HDVs) in India	Karpate Y., Sharma S., Sundar S.	Energy Efficiency	2018	1
Building a resilient community against forest fire disasters in the northeast India	Joshi P.K., Chakraborty A., Shukla R.	Development and Disaster Management: A Study of the Northeastern States of India	2018	1
Analysis of Genetic Diversity of Indian Tea Accessions Using Two Modified Amplified Fragment Length Polymorphism Methods	Negi M.S., Sharma S.S., Singh A., Chauhan S., Adholeya A., Tripathi S.B.	Proceedings of the National Academy of Sciences India Section B - Biological Sciences	2018	1
GaRiRO: Gradient and residual integrated rank ordering of stations in rainfall monitoring network	Kumari M., Singh C.K.	Earth Science Informatics	2018	1
Novel biohybrid polysulfone membranes with physically immobilized gramicidin for ion-exchange applications	Szalata K., Pande G., Gumi T.	Industrial and Engineering Chemistry Research	2018	1
Error minimization of an angle sensor using LabVIEW based calibration	Muralikrishnan V., Adarsh S., Mathew M.	2017 International Conference on Intelligent Computing, Instrumentation and Control Technologies, ICICICT 2017	2018	1
Enhancement of the biogas system application using solar photovoltaic and IoT based automation	Sharma Y.K., Mathew M., Yanamandram K.	2017 International Conference on Intelligent Computing, Instrumentation and Control Technologies, ICICICT 2017	2018	1
Requirement of pre-processing in a waste to energy (WTE) plant based on indian Municipal Solid Waste (MSW)	Misra G.P., Kaushal P., Bhaskarwar A.K., Grover P.D.	Journal of Solid Waste Technology and Management	2018	1
Biomass and solar: Emerging energy resources for india	Shinde Y., Dwivedi D., Khatri P., Sangwai J.S.	Green Energy and Technology	2018	1
Theoretical Analysis of the Electrical and Optical Properties of ZnS	Pattnaik A., Tomar M., Jha P.K., Bhoi A.K., Gupta V., Prasad B.	Lecture Notes in Electrical Engineering	2018	1
The hidden cost of development—a review of mental health issues of displaced tribal populations in India	Gupta D., Singh P.K.	Journal of Public Health (Germany)	2018	0
Interactive approach for earthquake scenario development and hazards resource estimation	Chaudhary B.S., Singh R.K., Bhatia N., Mishra R., Khan M.A.R., Yadav J., Patariya S.	Applications and Challenges of Geospatial Technology: Potential and Future Trends	2018	0
Conserving carbon and biodiversity through REDD+ implementation in tropical countries	Dube L.C.	Climate Change, Food Security and Natural Resource Management: Regional Case Studies from Three Continents	2018	0
Feasibility Assessment of Small Wind Turbines Based on Wind Energy Density	Gayas S., Wagay M.A., Mathew M.	2018 3rd International Conference for Convergence in Technology, I2CT 2018	2018	0
Sustainability reporting practices in India: A study of selected conglomerates	Poddar A., Narula S.A.	Strategic Change	2018	0
Role of institutional interplay as the medium for dispute between different interpretations of “participation”: A case study from semiarid India	Parab V.	Environmental Policy and Governance	2018	0
Situating agroecology in the environment-development matrix	Nawn N., Vasan S., Kothari A.	Economic and Political Weekly	2018	0
Improving the quantum efficiency of the monocrystalline silicon solar cell using erbium-doped zinc sulphide nanophosphor in downshift layer	Pattnaik A., Jha S., Tomar M., Gupta V., Prasad B., Mondal S.	Materials Research Express	2018	0

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Introduction	Dayal V., Duraiappah A., Nawn N.	Ecology, Economy and Society: Essays in Honour of Kanchan Chopra	2018	0
"AIS 2.0": Technological changes, implications and policy recommendations	Golaya A.P., Yogeswaran N.	Maritime Affairs	2018	0
India and international environmental law	Mazhuvanchery S.	Locating India in the Contemporary International Legal Order	2018	0
Integrating responsible education principles into a conventional system: The case study of TERI school of advanced studies, India	Narula S.A., Zutshi A., Seth R.	Meeting Expectations in Management Education: Social and Environmental Pressures on Managerial Behaviour	2018	0
Convergence of VCG mechanism to ex-post budget balance in a model of land acquisition	Sarkar S.	Mathematical Social Sciences	2018	0
Addressing India's food security	Nanda M.	Economic and Political Weekly	2018	0
US Import Refusals of Agricultural Products and Their Impact on the Participation of Indian Firms	Kallummal M., Mendiratta D., Sangita S.	Agrarian South	2018	0
Unsupervised classification of remote sensing imagery using multi-sensor data fusion	Agarwalla A.K., Minz S.	Proceedings of IEEE International Conference on Signal Processing and Communication, ICSPC 2017	2018	0
Perception-based evidence for climate change policies	Chakraborty A., Shukla R., Sachdeva K., Joshi P.K.	Economic and Political Weekly	2018	0
Case study: Scaling up social responsibility among small foundry clusters in India	Gulati M., Sanwal R.	Research Handbook on Small Business Social Responsibility: Global Perspectives	2018	0
India's exports through the lens of diversification	Sangita S.	Changing the Indian Economy: Renewal, Reform and Revival	2018	0
Sustainability or (Sustain)ability? Environmentalism and Shades of Power in a Metropolis	Jain A.	Exploring Urban Change in South Asia	2018	0
The privatisation of public welfare in India	Venkataraman L.N.	Social Work and Society	2018	0
Impact of intervention of biomass cookstove technologies and kitchen characteristics on indoor air quality and human exposure in rural settings of India	Sharma D., Jain S.	Environment International	2019	31
Is adaptation success a flawed concept?	Dilling L., Prakash A., Zommers Z., Ahmad F., Singh N., de Wit S., Nalau J., Daly M., Bowman K.	Nature Climate Change	2019	30
Predicting groundwater arsenic contamination: Regions at risk in highest populated state of India	Bindal S., Singh C.K.	Water Research	2019	23
Climate change perception: an analysis of climate change and risk perceptions among farmer types of Indian Western Himalayas	Shukla R., Agarwal A., Sachdeva K., Kurths J., Joshi P.K.	Climatic Change	2019	22
Dewatering of sewage for nutrients and water recovery by Forward Osmosis (FO) using divalent draw solution	Singh N., Dhiman S., Basu S., Balakrishnan M., Petrinic I., Helix-Nielsen C.	Journal of Water Process Engineering	2019	21
Hydropower development in the Hindu Kush Himalayan region: Issues, policies and opportunities	Hussain A., Sarangi G.K., Pandit A., Ishaq S., Mamnun N., Ahmad B., Jamil M.K.	Renewable and Sustainable Energy Reviews	2019	21
A study of corporate social responsibility practices of the top Bombay Stock Exchange 500 companies in India and their alignment with the Sustainable Development Goals	Poddar A., Narula S.A., Zutshi A.	Corporate Social Responsibility and Environmental Management	2019	20
Field testing of over 30,000 wells for arsenic across 400 villages of the Punjab plains of Pakistan and India: Implications for prioritizing mitigation	van Geen A., Farooqi A., Kumar A., Khattak J.A., Mushtaq N., Hussain I., Ellis T., Singh C.K.	Science of the Total Environment	2019	20
Effect of metal oxide redox state in red mud catalysts on ketonization of fast pyrolysis oil derived oxygenates	Weber J., Thompson A., Wilmoth J., Batra V.S., Janulaitis N., Kastner J.R.	Applied Catalysis B: Environmental	2019	19
Pyrazinamide drug resistance in RpsA mutant (A438A) of Mycobacterium tuberculosis: Dynamics of essential motions and free-energy landscape analysis	Singh A., Somvanshi P., Grover A.	Journal of Cellular Biochemistry	2019	18
Improving Nigeria's renewable energy policy design: A case study approach	Gungah A., Emodi N.V., Dioha M.O.	Energy Policy	2019	17
Electrode material properties for designing effective microbial electrosynthesis systems	Sharma M., Alvarez-Gallego Y., Achouk W., Pant D., Sarma P.M., Dominguez-Benetton X.	Journal of Materials Chemistry A	2019	17

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Title of the paper	Name of Author	Title of the journal	Year of publication	Citation index Scopus [8743]
Indian electricity sector, energy security and sustainability: An empirical assessment	Sarangi G.K., Mishra A., Chang Y., Taghizadeh-Hesary F.	Energy Policy	2019	16
Co-designing Indus Water-Energy-Land Futures	Wada Y., Vinca A., Parkinson S., Willaarts B.A., Magnuszewski P., Mochizuki J., Mayor B., Wang Y., Burek P., Byers E., Riahi K., Krey V., Langan S., van Dijk M., Grey D., Hillers A., Novak R., Mukherjee A., Bhattacharya A., Bhardwaj S., Romshoo S.A., Thambi S., Muhammad A., Ilyas A., Khan A., Lashari B.K., Mahar R.B., Ghulam R., Siddiqi A., Wescoat J., Yogeswara N., Ashraf A., Sidhu B.S., Tong J., ISWEL Indus Basin Team	One Earth	2019	16
A qualitative comparative analysis of women's agency and adaptive capacity in climate change hotspots in Asia and Africa	Rao N., Mishra A., Prakash A., Singh C., Qaisrani A., Poonacha P., Vincent K., Bedelian C.	Nature Climate Change	2019	15
Novel pilot scale photocatalytic treatment of textile & dyeing industry wastewater to achieve process water quality and enabling zero liquid discharge	Bahadur N., Bhargava N.	Journal of Water Process Engineering	2019	14
Drug repurposing against arabinosyl transferase (EmbC) of Mycobacterium tuberculosis: Essential dynamics and free energy minima based binding mechanics analysis	Singh A., Somvanshi P., Grover A.	Gene	2019	12
Solar photovoltaics pumps operating head selection for the optimum efficiency	Yadav K., Kumar A., Sastry O.S., Wandhare R.	Renewable Energy	2019	12
Exploration of performance kinetics and mechanism of action of a potential novel biofloculant BF-VB2 on clay and dye wastewater flocculation	Bisht V., Lal B.	Frontiers in Microbiology	2019	12
Construction and demolition waste generation in cities in India: an integrated approach	Jain S., Singhal S., Jain N.K.	International Journal of Sustainable Engineering	2019	11
Efficient valorization of waste glycerol to 2,3-butanediol using Enterobacter cloacae TERI BD 18 as a biocatalyst	Priya A., Lal B.	Fuel	2019	11
Modelling and management of smart microgrid for rural electrification in sub-saharan Africa: The case of Nigeria	Nnaji E.C., Adgidzi D., Dioha M.O., Ewim D.R.E., Huan Z.	Electricity Journal	2019	10
HHV-5 epitope: A potential vaccine candidate with high antigenicity and large coverage	Kumar N., Singh A., Grover S., Kumari A., Kumar Dhar P., Chandra R., Grover A.	Journal of Biomolecular Structure and Dynamics	2019	10
Livelihoods, gender and climate change in the Eastern Himalayas	Bhadwal S., Sharma G., Gorti G., Sen S.M.	Environmental Development	2019	9
Urban water security assessment using an integrated metabolism approach-Case study of the National Capital Territory of Delhi in India	Ghosh R., Kansal A., Venkatesh G.	Resources	2019	9
Explaining travel behaviour with limited socio-economic data: Case study of Vishakhapatnam, India	Jain D., Tiwari G.	Travel Behaviour and Society	2019	9
Achieving water security in rural Indian Himalayas: A participatory account of challenges and potential solutions	Sen S.M., Kansal A.	Journal of Environmental Management	2019	7
SUPPRESSOR OF OVEREXPRESSION OF CONSTANS1 influences flowering time, lateral branching, oil quality, and seed yield in Brassica juncea cv. Varuna	Tyagi S., Sri T., Singh A., Mayee P., Shivaraj S.M., Sharma P., Singh A.	Functional and Integrative Genomics	2019	7
Genistein modulates signaling pathways and targets several epigenetic markers in hela cells	Sundaram M.K., Unni S., Somvanshi P., Bhardwaj T., Mandal R.K., Hussain A., Haque S.	Genes	2019	6
Influence of Forward Osmosis (FO) membrane properties on dewatering of molasses distillery wastewater	Singh N., Petrinic I., Hélix-Nielsen C., Basu S., Balakrishnan M.	Journal of Water Process Engineering	2019	6
Investigating the impacts of energy access scenarios in the Nigerian household sector by 2030	Dioha M.O., Emodi N.V.	Resources	2019	6
Association of Inflammatory Bowel Disease with Arthritis: Evidence from In Silico Gene Expression Patterns and Network Topological Analysis	Verma A., Somvanshi P., Haque S., Rathi B., Sharda S.	Interdisciplinary Sciences: Computational Life Sciences	2019	6
Assessing national vulnerability to phosphorus scarcity to build food system resilience: The case of India	Nanda M., Cordell D., Kansal A.	Journal of Environmental Management	2019	6
Biodiversity and In Vitro Inhibition Study of Fungal Endophytes of Chlorophytum borivilianum Against Selected Phytopathogens	Chowdhary K., Kaushik N.	Proceedings of the National Academy of Sciences India Section B - Biological Sciences	2019	6
Farmer typology to understand differentiated climate change adaptation in Himalaya	Shukla R., Agarwal A., Gornott C., Sachdeva K., Joshi P.K.	Scientific Reports	2019	5
Electrochemical sulfur production from treating petroleum produced water	Jain P., Srikanth S., Kumar M., Sarma P.M., Singh M.P., Lal B.	Journal of Water Process Engineering	2019	5

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UPLC–MS and Dereplication-Based Identification of Metabolites in Antifungal Extracts of Fungal Endophytes	Chowdhary K., Kaushik N.	Proceedings of the National Academy of Sciences India Section B - Biological Sciences	2019	4
A detailed experimental analysis of air–steam gasification in a dual fired downdraft biomass gasifier enabling hydrogen enrichment in the producer gas	Ram N.K., Singh N.R., Raman P., Kumar A., Kaushal P.	Energy	2019	4
Forest Ecosystem Services in the Central Himalaya: Local Benefits and Global Relevance	Joshi A.K., Joshi P.K.	Proceedings of the National Academy of Sciences India Section B - Biological Sciences	2019	4
Analyzing Social Networks to Examine the Changing Governance Structure of Springsheds: A Case Study of Sikkim in the Indian Himalayas	Sen S.M., Singh A., Varma N., Sharma D., Kansal A.	Environmental Management	2019	4
An assessment for the selection of weather profiles for performance testing of SPV pumps in Indian climate	Yadav K., Kumar A., Sastry O.S., Wandhare R.	Solar Energy	2019	4
Novel missense mutations in gidB gene associated with streptomycin resistance in Mycobacterium tuberculosis: insights from molecular dynamics	Pandey B., Grover S., Goyal S., Jamal S., Singh A., Kaur J., Grover A.	Journal of Biomolecular Structure and Dynamics	2019	4
Methodology of predicting novel key regulators in ovarian cancer network: A network theoretical approach	Malik M.Z., Chirom K., Ali S., Ishrat R., Somvanshi P., Singh R.K.B.	BMC Cancer	2019	3
Development of a Peer to peer electricity exchange model in micro grids for rural electrification	Harish V.S.K.V., Anwer N., Kumar A.	2019 2nd International Conference on Power Energy Environment and Intelligent Control, PEEIC 2019	2019	3
Investigation of precise molecular mechanistic action of tobacco-associated carcinogen 'NNK' induced carcinogenesis: A system biology approach	Anukriti, Dhasmana A., Uniyal S., Somvanshi P., Bhardwaj U., Gupta M., Haque S., Lohani M., Kumar D., Ruokolainen J., Kesari K.K.	Genes	2019	3
Pathways for low carbon Nigeria in 2050 by using NECAL2050	Dioha M.O., Emodi N.V., Dioha E.C.	Renewable Energy Focus	2019	3
Tourists' Willingness to Pay for Restoration of Traditional Agro-forest Ecosystems Providing Biodiversity: Evidence from India	Sardana K.	Ecological Economics	2019	3
Long-term Electricity Demand Scenarios for India: Implications of Energy Efficiency	Negi A., Kumar A.	2018 International Conference on Power Energy, Environment and Intelligent Control, PEEIC 2018	2019	3
Study on Sustainable Transportation Fuels Based on Green House Gas Emission Potential	Negi A., Mathew M.	2018 International Conference on Power Energy, Environment and Intelligent Control, PEEIC 2018	2019	3
Optimal energy sharing within a solar-based DC microgrid	Harish V.S.K.V., Anwer N., Kumar A.	Advances in Intelligent Systems and Computing	2019	3
Equity in distribution of public subsidy for noncommunicable diseases among the elderly in India: An application of benefit incidence analysis	Bose M., Banerjee S.	BMC Public Health	2019	2
Isolation, Purification, and Characterization of Heparinase from Streptomyces variabilis MTCC 12266	Singh V., Haque S., Kumari V., El-Enshasy H.A., Mishra B.N., Somvanshi P., Tripathi C.K.M.	Scientific Reports	2019	2
Market-based mechanism and 'climate justice': reframing the debate for a way forward	Shrivastava M.K., Bhaduri S.	International Environmental Agreements: Politics, Law and Economics	2019	2
Reliability testing of PV module in the outdoor condition	Bora B., Sastry O.S., Mondal S., Prasad B.	Progress in Solar Energy Technology and Applications	2019	2
Integrating value-chain approach with participatory multi-criteria analysis for sustainable planning of a niche crop in Indian Himalayas	Sen S.M., Kansal A.	Journal of Mountain Science	2019	2
Comparative assessment of the therapeutic drug targets of C. botulinum ATCC 3502 and C. difficile str. 630 using in silico subtractive proteomics approach	Bhardwaj T., Haque S., Somvanshi P.	Journal of Cellular Biochemistry	2019	2

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Title of the paper	Name of Author	Title of the journal	Year of publication	Citation index Scopus [8743]
Comparison of Various DEMs for Height Accuracy Assessment over Different Terrains of India	Vaka D.S., Kumar V., Rao Y.S., Deo R.	International Geoscience and Remote Sensing Symposium (IGARSS)	2019	2
Diversity and Antifungal Activity of Fungal Endophytes of <i>Asparagus racemosus</i> Willd	Chowdhary K., Kaushik N.	Agricultural Research	2019	2
Comparative Performance Analysis of Different Silicon-based Photovoltaic Technologies in Nigeria	Dioha M.O., Kumar A., Mathew M., Hossain J.	2018 International Conference on Power Energy, Environment and Intelligent Control, PEEIC 2018	2019	2
Machine learning toward infectious disease treatment	Bhardwaj T., Somvanshi P.	Advances in Intelligent Systems and Computing	2019	2
The impact of distributed landuse information in hydrodynamic model application in storm surge inundation	Machineni N., Sinha V.S.P., Singh P., Reddy N.T.	Estuarine, Coastal and Shelf Science	2019	1
Business-community engagement: A case of mining company in India	Narula S.A., Magry M.A., Mathur A.	Business Strategy and Development	2019	1
Smart sustainable cities	Singhal S., Jain S.	Environmental Policy in India	2019	1
Measuring density and diversity to model travel behavior in Indian context	Jain D., Tiwari G.	Land Use Policy	2019	1
Multicriteria decision making model of wastewater reuse: A stakeholders' perspective in the context of India	Das S., Radhakrishnan K.	Desalination and Water Treatment	2019	1
Probabilistic predictions of the Indian monsoon rainfall in below-normal category using NMME global model products	Shrivastava S., Kar S.C., Sharma A.R.	Theoretical and Applied Climatology	2019	1
Challenges faced for installation of emergency restoration system (ERS) in the major natural disaster hit high voltage transmission lines in India	Tamil Selvan M., Malar K.	Disaster Advances	2019	1
Structural basis for isoniazid resistance in KatG double mutants of <i>Mycobacterium tuberculosis</i>	Rabha A., Singh A., Grover S., Kumari A., Pandey B., Grover A.	Microbial Pathogenesis	2019	1
Application of molecular markers in genetic improvement of <i>Jatropha</i>	Malik A.A., Tripathi S.B.	<i>Jatropha</i> , Challenges for a New Energy Crop: Volume 3: A Sustainable Multipurpose Crop	2019	1
Model development and performance evaluation of an earth air heat exchanger under a constrained urban environment	Rangarajan V., Singh R., Kaushal P.	Modeling Earth Systems and Environment	2019	1
Techno-Economic Feasibility of Domestic Solar Water Heating System in Nigeria	Dioha M.O., Emodi N.V., Mathew M., Dioha E.C.	2018 International Conference on Power Energy, Environment and Intelligent Control, PEEIC 2018	2019	1
Comparative Analysis of Green House Gas Emission from Different Vehicular Fuels	Kaushik H., Mathew M., Hossain J.	2018 International Conference on Power Energy, Environment and Intelligent Control, PEEIC 2018	2019	1
Approaches Leading to Different Definitions of Smart Grid: A Review	Sharma A., Mathew M., Mitra I., Anwer N.	2018 International Conference on Power Energy, Environment and Intelligent Control, PEEIC 2018	2019	1
A Critical Analysis of Present Net Metering Regulatory Framework and Identification of Potential Barriers in the Growth of Rooftop Market	Dhankhar H., Anwer N.	Lecture Notes in Electrical Engineering	2019	1
A Water Soluble Single Walled Carbon Nanotube Aryl Aziridino Carboxylic Acid Decorated Mn (II) Complex Increased Root Growth in <i>Arabidopsis thaliana</i>	Thakur S.K., Goswami K., Bhattacharjee S., Soni U., Guchhait P., Eswaran S.V.	ChemistrySelect	2019	0
The study of heat island and its relation with urbanization in Gurugram, Delhi NCR for the period of 1990 to 2018	Kushwaha S., Nithiyanandam Y.	International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives	2019	0
Conditions of Employment and Livelihood Security of Informal Workers: A Study of Four Villages in Jalpaiguri District, West Bengal	Bose M., De Roy S.	Agrarian South	2019	0
Forest governance in India achieving balance within a complex policy subsystem	Das S.	Environmental Policy in India	2019	0

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Title of the paper	Name of Author	Title of the journal	Year of publication	Citation index Scopus [8743]
Investment appraisal of sustainability projects: An assortment of financial measures	Sinha R., Datta M.	Social, economic, and environmental impacts between sustainable financial systems and financial markets	2019	0
Pathways to Institution and Resource Sustainability: Lessons from the Forest Rights Act Implementation in India	Das S., Tyagi N.	International Forestry Review	2019	0
Addressing water-related shocks and coping decision through enhanced community participation: Case studies from Ganga basin, Uttarakhand, India	Sharma D., Khandekar N., Sachdeva K.	Water Policy	2019	0
Identification of resource management domain-specific best practices in the agriculture sector for the Mewat region of Haryana, India	Mehra M., Singh C.K.	Environment, Development and Sustainability	2019	0
Labouring nature, labour in nature intertwinings and intersectionalities	Nawn N., Vasan S.	Economic and Political Weekly	2019	0
Corporate Governance Role of the Board Committees in India	Vig S., Datta M.	Corporate governance models and applications in developing economies	2019	0
Lumen Degradation of LEDs in Solar Lighting Systems	Duseja L., Tomar A.	Proceedings - 2019 4th International Conference on Internet of Things: Smart Innovation and Usages, IoT-SIU 2019	2019	0
A system dynamics approach to understand respiratory health risk in rural population	Tigala S., Sharma A.R., Sachdeva K.	Indian Journal of Public Health Research and Development	2019	0
Increase in Power Production of Rooftop Solar Photovoltaic System using Tracking	Maity R., Mathew M., Hossain J.	2018 International Conference on Power Energy, Environment and Intelligent Control, PEEIC 2018	2019	0
Single Phase-Single Stage Z-Source Solar PV Inverter	Faruqi S.N.A., Anwer N.	2018 International Conference on Power Energy, Environment and Intelligent Control, PEEIC 2018	2019	0
Consumer Preference for Green Electricity Service Connection for Rural Residential Households in Ethiopia	Entele B.R., Emodi N.V., Murthy G.P., Dioha M.O.	2018 International Conference on Power Energy, Environment and Intelligent Control, PEEIC 2018	2019	0
An analysis of Industry's perspective and determinants influencing elasticity of electricity demand in context of cross subsidy in India: Taking case of Rajasthan and Haryana states	Agarwal N., Anwer N.	1st IEEE International Conference on Sustainable Energy Technologies and Systems, ICSETS 2019	2019	0
Crisis of the forest community in postcolonial Indian forest policies and laws	Jain A., Das S.	Environmental Sociology	2019	0
Bioconjugated Quantum Dots in Rapid Detection of Water Microbial Load: An Emerging Technology	Kaur I.P., Singh J., Yakhmi J.V., Singh G., Dejous C., Bhatia A., Sattee A., Soni U.	Nanotechnology in the Life Sciences	2019	0
A survey of recent progress in energy conversion and storage	Sood D., Harish V.S.K.V.	7th International Conference On Energy Research and Development, ICERD 2019	2019	0
Prevalence of apomixis in Jatropha: Is it significant?	Malik A.A., Singh V.K., Sharma S.S., Negi M.S., Tripathi S.B.	Biofuels	2019	0
Application of indicators in transport planning: Insight from India	Jain D.	Environmental Footprints and Eco-Design of Products and Processes	2019	0
An analytical study of cross subsidy impact on electricity demand from industries: Case of electricity distribution utilities in India	Agarwal N., Anwer N.	International Journal of Energy Economics and Policy	2019	0
Do business schools in India know the real business world? Exploring some perspectives on academia-industry collaboration	Mahajan R.	International Journal of Management in Education	2019	0

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Title of the paper	Name of Author	Title of the journal	Year of publication	Citation index Scopus [8743]
Enhancement in power conversion efficiency of multi-crystalline silicon solar cell by zns nano particles with pmma	Pattnaik A., Tomar M., Mondal S., Gupta V., Prasad B.	Springer Proceedings in Physics	2019	0
Prediction of the COVID-19 pandemic for the top 15 affected countries: Advanced autoregressive integrated moving average (ARIMA) model	Singh R.K., Rani M., Bhagavathula A.S., Sah R., Rodriguez-Morales A.J., Kalita H., Nanda C., Sharma S., Sharma Y.D., Rabaan A.A., Rahmani J., Kumar P.	JMIR Public Health and Surveillance	2020	53
A critical review of studies related to construction and computation of Sustainable Development Indices	Kwatra S., Kumar A., Sharma P.	Ecological Indicators	2020	21
Environmental life cycle assessment of construction and demolition waste recycling: A case of urban India	Jain S., Singhal S., Pandey S.	Resources, Conservation and Recycling	2020	19
Arsenic enrichment in groundwater and associated health risk in Bari doab region of Indus basin, Punjab, India	Kumar A., Singh C.K.	Environmental Pollution	2020	16
Spatial and temporal variations of air pollution over 41 cities of India during the COVID-19 lockdown period	Vadrevu K.P., Eaturu A., Biswas S., Lasko K., Sahu S., Garg J.K., Justice C.	Scientific Reports	2020	12
Biorefinery perspectives of microbial electrolysis cells (MECs) for hydrogen and valuable chemicals production through wastewater treatment	Kadier A., Jain P., Lai B., Kalil M.S., Kondaveeti S., Alabbosh K.F.S., Abu-Reesh I.M., Mohanakrishna G.	Biofuel Research Journal	2020	11
Exploring sustainable energy transitions in sub-Saharan Africa residential sector: The case of Nigeria	Dioha M.O., Kumar A.	Renewable and Sustainable Energy Reviews	2020	11
Consumer buying behaviour and purchase intention of organic food: a conceptual framework	Dangi N., Gupta S.K., Narula S.A.	Management of Environmental Quality: An International Journal	2020	10
Construction and demolition waste recycling: Investigating the role of theory of planned behavior, institutional pressures and environmental consciousness	Jain S., Singhal S., Jain N.K., Bhaskar K.	Journal of Cleaner Production	2020	10
Framework for quantifying environmental losses of plastics from landfills	Yadav V., Sherly M.A., Ranjan P., Tinoco R.O., Boldrin A., Damgaard A., Laurent A.	Resources, Conservation and Recycling	2020	9
Dynamic optimization of multi-retrofit building envelope for enhanced energy performance with a case study in hot Indian climate	Saikia P., Pancholi M., Sood D., Rakshit D.	Energy	2020	9
Modelling Agriculture, Forestry and Other Land Use (AFOLU) in response to climate change scenarios for the SAARC nations	Singh R.K., Sinha V.S.P., Joshi P.K., Kumar M.	Environmental Monitoring and Assessment	2020	8
Short-term statistical forecasts of COVID-19 infections in India	Singh R.K., Drews M., de la Sen M., Kumar M., Singh S.S., Pandey A.K., Srivastava P.K., Dobriyal M., Rani M., Kumari P., Kumar P.	IEEE Access	2020	8
Alkaline air: changing perspectives on nitrogen and air pollution in an ammonia-rich world: Alkaline Air	Sutton M.A., Van Dijk N., Levy P.E., Jones M.R., Leith I.D., Sheppard L.J., Leeson S., Sim Tang Y., Stephens A., Braban C.F., Dragosits U., Howard C.M., Vieno M., Fowler D., Corbett P., Naikoo M.I., Munzi S., Ellis C.J., Chatterjee S., Steadman C.E., Möring A., Wolsley P.A.	Philosophical Transactions of the Royal Society A: Mathematical, Physical and Engineering Sciences	2020	7
Envisioning a biodiversity science for sustaining human well-being	Baw K.S., Nawn N., Chellam R., Krishnaswamy J., Mathur V., Olso S.B., Pandit N., Rajagopal P., Sankaran M., Shaanker R.U., Shankar D., Ramakrishnan U., Vanak A.T., Quader S.	Proceedings of the National Academy of Sciences of the United States of America	2020	7
Bleomycin modulates amyloid aggregation in β -amyloid and hIAPP	Kumari A., Sharma R., Shrivastava N., Somvanshi P., Grover A.	RSC Advances	2020	6
Impacts of vegetation and topography on land surface temperature variability over the semi-arid mountain cities of Saudi Arabia	Bindajam A.A., Mallick J., AlQadhi S., Singh C.K., Hang H.T.	Atmosphere	2020	6
Factors impacting wind and solar power sectors in India: A survey-based analysis	Thapar S., Sharma S.	Sustainable Production and Consumption	2020	6
Experimental study on performance analysis of an internal combustion engine operated on hydrogen-enriched producer gas from the air-steam gasification	Ram N.K., Singh N.R., Raman P., Kumar A., Kaushal P.	Energy	2020	5
Tide-rainfall flood quotient: An incisive measure of comprehending a region's response to storm-tide and pluvial flooding	Mohanty M.P., Sherly M.A., Ghosh S., Karmakar S.	Environmental Research Letters	2020	5
Regulation of groundwater arsenic concentrations in the Ravi, Beas, and Sutlej floodplains of Punjab, India	Kumar A., Singh C.K., Bostick B., Nghiem A., Mailloux B., van Geen A.	Geochimica et Cosmochimica Acta	2020	5
Molecular mechanism of acetoacetyl-CoA enhanced kinetics for increased bioplastic production from <i>Cupriavidus necator</i> 428	Singh A., Das M., Grover A.	Journal of Biomolecular Structure and Dynamics	2020	5
Production of hydrogen and carbon nanotubes via catalytic thermo-chemical conversion of plastic waste: review	Sharma S.S., Batra V.S.	Journal of Chemical Technology and Biotechnology	2020	5
Influences on purchase intentions of organic food consumers in an emerging economy	Dangi N., Narula S.A., Gupta S.K.	Journal of Asia Business Studies	2020	4

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Reductive metabolites of curcumin and their therapeutic effects	Pandey A., Chaturvedi M., Mishra S., Kumar P., Somvanshi P., Chaturvedi R.	Heliyon	2020	4
Predicting impact of urbanization on water resources in megacity Delhi	Balha A., Vishwakarma B.D., Pandey S., Singh C.K.	Remote Sensing Applications: Society and Environment	2020	4
Recovery of resources from end-of-life passenger cars in the informal sector in India	Sharma L., Pandey S.	Sustainable Production and Consumption	2020	4
Household Energy Poverty Index for India: An analysis of inter-state differences	Gupta S., Gupta E., Sarangi G.K.	Energy Policy	2020	4
A two-step approach to integrating gender justice into mitigation policy: examples from India	Michael K., Shrivastava M.K., Hakhu A., Bajaj K.	Climate Policy	2020	4
Assessment and visualization of inherent vulnerability of urban population in India to natural disasters	Anees M.M., Shukla R., Punia M., Joshi P.K.	Climate and Development	2020	4
Sustainable energy pathways for land transport in Nigeria	Dioha M.O., Kumar A.	Utilities Policy	2020	4
Reduction in black carbon concentration and its exposure in rural settings of Northern India: An intervention analysis	Sharma D., Jain S.	Chemosphere	2020	4
Assessing inherent vulnerability of farming communities across different biogeographical zones in Himachal Pradesh, India	Chauhan N., Shukla R., Joshi P.K.	Environmental Development	2020	4
Carcinogenic risk from exposure to PM2.5 bound polycyclic aromatic hydrocarbons in rural settings	Sharma D., Jain S.	Ecotoxicology and Environmental Safety	2020	4
Phosphorous recovery from septic tank liquor: Optimal conditions and effect of tapered velocity gradient	Goel S., Kansal A.	Journal of Cleaner Production	2020	3
Genome-wide analysis of the U-box E3 ubiquitin ligase enzyme gene family in tomato	Sharma B., Taganna J.	Scientific Reports	2020	3
Heavy metal pollution in surface water of the Upper Ganga River, India: human health risk assessment	Prasad S., Saluja R., Joshi V., Garg J.K.	Environmental Monitoring and Assessment	2020	3
Public health interventions to improve maternal nutrition during pregnancy: A nationally representative study of iron and folic acid consumption and food supplements in India	Singh P.K., Dubey R., Singh L., Kumar C., Rai R.K., Singh S.	Public Health Nutrition	2020	3
Energy consumption behavior: A data-based analysis of urban Indian households	Thapar S.	Energy Policy	2020	3
Incidence of Prehypertension and Hypertension in Rural India, 2012-2018: A Sex-Stratified Population-Based Prospective Cohort Study	Rai R.K., Kumar C., Singh P.K., Singh L., Barik A., Chowdhury A.	American Journal of Hypertension	2020	3
Ameliorating amyloid aggregation through osmolytes as a probable therapeutic molecule against Alzheimer's disease and type 2 diabetes	Kumari A., Somvanshi P., Grover A.	RSC Advances	2020	3
Surfactant-modified titania for cadmium removal and textile effluent treatment together being environmentally safe for seed germination and growth of Vigna radiata	Das P., Bahadur N., Dhawan V.	Environmental Science and Pollution Research	2020	3
Dual inhibition of SARS-CoV-2 spike and main protease through a repurposed drug, rutin	Kumari A., Rajput V.S., Nagpal P., Kukrety H., Grover S., Grover A.	Journal of Biomolecular Structure and Dynamics	2020	3
Carbon quantum dots intercalated in polypyrrole (PPy) thin electrodes for accelerated energy storage	Malik R., Lata S., Soni U., Rani P., Malik R.S.	Electrochimica Acta	2020	2
Assessing the role of osmolytes on the conformational harmony of islet amyloid polypeptide	Kumari A., Sharma R., Somvanshi P., Grover A.	International Journal of Biological Macromolecules	2020	2
Microporous carbon from cashew nutshell pyrolytic biochar and its potential application as CO ₂ adsorbent	Garg S., Das P.	Biomass Conversion and Biorefinery	2020	2
Feasibility analysis for ethanol blended fuel in India	Sujata, Kaushal P.	Biofuels	2020	2
Assessment of clean cooking technologies under different fuel use conditions in rural areas of Northern India	Arora P., Sharma D., Kumar P., Jain S.	Chemosphere	2020	2
Managing agricultural vulnerability to phosphorus scarcity through bottom-up assessment of regional-scale opportunities	Nanda M., Kansal A., Cordell D.	Agricultural Systems	2020	2
Exploring greenhouse gas mitigation strategies for agriculture in Africa: The case of Nigeria	Dioha M.O., Kumar A.	Ambio	2020	2
Homeologs of Brassica SOC1, a central regulator of flowering time, are differentially regulated due to partitioning of evolutionarily conserved transcription factor binding sites in promoters	Sri T., Gupta B., Tyagi S., Singh A.	Molecular Phylogenetics and Evolution	2020	2
Google earth engine for the detection of soiling on photovoltaic solar panels in arid environments	Supe H., Avtar R., Singh D., Gupta A., Yunus A.P., Dou J., Ravankar A.A., Mohan G., Chapagain S.K., Sharma V., Singh C.K., Tutubalina O., Kharrazi A.	Remote Sensing	2020	2

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Quantification of agricultural drought over Indian region: a multivariate phenology-based approach	Das P.K., Das R., Das D.K., Midya S.K., Bandyopadhyay S., Raj U.	Natural Hazards	2020	2
Geochemistry and associated human health risk through potential harmful elements (PHEs) in groundwater of the Indus basin, India	Kumar A., Roy S.S., Singh C.K.	Environmental Earth Sciences	2020	2
Cost of electricity banking under open-access arrangement: A case of solar electricity in India	Jain S., Jain N.K.	Renewable Energy	2020	2
Restoring Employment and Rural Landscapes Can Ecological Restoration Usher Rural Economic Revival in the 'Post-pandemic' Period?	Goswami R., Bedia S., Pandit N.	Economic and Political Weekly	2020	1
Comprehensive treatment scheme for distillery wastewater targeting recovery of water, antioxidant compounds and biogas	Singh N., Basu S., Balakrishnan M.	Journal of Water Process Engineering	2020	1
Addressing uncertainty in extreme rainfall intensity for semi-arid urban regions: case study of Delhi, India	Chaudhuri R.R., Sharma P.	Natural Hazards	2020	1
Standing up for forest: A case study on Baiga women's mobilization in community governed forests in Central India	Tyagi N., Das S.	Ecological Economics	2020	1
Topological and system-level protein interaction network (PIN) analyses to deduce molecular mechanism of curcumin	Dhasmana A., Uniyal S., Anukriti, Kashyap V.K., Somvanshi P., Gupta M., Bhardwaj U., Jaggi M., Yallapu M.M., Haque S., Chauhan S.C.	Scientific Reports	2020	1
Modeling Hydrological Processes in Ungauged Snow-Fed Catchment of Western Himalaya	Sonia Grover, Tayal S., Beldring S., Li H.	Water Resources	2020	1
Supporting climate policy with effective energy modelling: A perspective on the varying technical capacity of South Africa, China, Germany and the United States	Dioha M.O., Abraham-Dukuma M.C., Bogado N., Okpaleke F.N.	Energy Research and Social Science	2020	1
Assessment of urban area dynamics in world's second largest megacity at sub-city (district) level during 1973–2016 along with regional planning	Balha A., Singh C.K., Pandey S.	Remote Sensing Applications: Society and Environment	2020	1
Host-induced silencing of the Colletotrichum gloeosporioides conidial morphology 1 gene (CgCOM1) confers resistance against Anthracnose disease in chilli and tomato	Mahto B.K., Singh A., Pareek M., Rajam M.V., Dhar-Ray S., Reddy P.M.	Plant Molecular Biology	2020	1
Consistency in vulnerability assessments of wheat to climate change-A district-level analysis in India	Dhamija V., Shukla R., Gornott C., Joshi P.K.	Sustainability (Switzerland)	2020	1
Quantification of heat wave occurrences over the Indian region using long-term (1979–2017) daily gridded (0.5° × 0.5°) temperature data—a combined heat wave index approach	Das P.K., Podder U., Das R., Kamalakannan C., Rao G.S., Bandyopadhyay S., Raj U.	Theoretical and Applied Climatology	2020	1
Fluoresceinated Aminohexanol Tethered Inositol Hexakisphosphate: Studies on Arabidopsis thaliana and Drosophila melanogaster and Docking with 2P1M Receptor	Thakur S.K., Goswami K., Rao P., Kaushik S., Singh B.P., Kain P., Asthana S., Bhattacharjee S., Guchhait P., Eswaran S.V.	ACS Omega	2020	1
Maritime communication: From flags to the VHF Data Exchange System (VDES)	Golaya A.P., Yogeswaran N.	Maritime Affairs	2020	1
Multiple epitope-based vaccine prediction against SARS-CoV-2 spike glycoprotein	Sirohi P.R., Gupta J., Somvanshi P., Prajapati V.K., Grover A.	Journal of Biomolecular Structure and Dynamics	2020	1
Gender and income based variability in travel choices in Vishakhapatnam, India	Jain D., Tiwari G.	Transportation Research Procedia	2020	1
Spatial stochastic model for predicting soil organic matter using remote sensing data	Mallick J., Ahmed M., Alqadhi S.D., Falqi I.I., Parayangat M., Singh C.K., Rahman A., Ijyas T.	Geocarto International	2020	1
Biodiversity-focused Development Ways to Sustain Human Well-being	Nawn N., Vasan S., Bawa K.	Economic and Political Weekly	2020	0
Multidisciplinary composition of climate change commissions: Transnational trends and expert perspectives	Abraham-Dukuma M.C., Dioha M.O., Bogado N., Butu H.M., Okpaleke F.N., Hasan Q.M., Epe S.B., Emodi N.V.	Sustainability (Switzerland)	2020	0
Elucidating potential molecular signatures through host-microbe interactions for reactive arthritis and inflammatory bowel disease using combinatorial approach	Verma A., Sharda S., Rathi B., Somvanshi P., Pandey B.D.	Scientific Reports	2020	0
Epigallocatechin gallate inhibits HeLa cells by modulation of epigenetics and signaling pathways	Kedhari Sundaram M., Haque S., Somvanshi P., Bhardwaj T., Hussain A.	3 Biotech	2020	0
Assessing the role of advanced cooking technologies to mitigate household air pollution in rural areas of Solan, Himachal Pradesh, India	Arora P., Rehman I.H., Suresh R., Sharma A., Sharma D., Sharma A.	Environmental Technology and Innovation	2020	0
Assessment of land management practices impact on soil and water resources using swat model: a case of bara micro-watershed of ken catchment, Madhya pradesh, India	Raj	Sustainable Water Resources Management	2020	0
Cost effective adaptation to flood: sanitation interventions in the Gandak river basin, India	Dasgupta P., Sahay S., Prakash A., Lutz A.	Climate and Development	2020	0
Impact of water-soluble 2D CdSe/CdS nanoplatelets on seed germination and early growth in Vigna radiata	Sharma B., Walia A., Singh A., Yadav S., Soni U.	FlatChem	2020	0
Phosphorus Dopant Diffusion, Activation, and Annealing. Using Infrared Laser for Synthesis of n-Type Silicon Thin Film	Hossion M.A., Mondal S., Arora B.M.	Journal of Russian Laser Research	2020	0

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Exploring the energy system impacts of Nigeria's Nationally Determined Contributions and low-carbon transition to mid-century	Dioha M.O., Kumar A.	Energy Policy	2020	0
Erratum to "Regulation of groundwater arsenic concentrations in the Ravi, Beas, and Sutlej floodplains of Punjab, India" [Geochimica et Cosmochimica Acta 276 (2020) 384–403] (Geochimica et Cosmochimica Acta (2020) 276 (384–403), (S0016703720301642), (10.1016/j.gca.2020.03.003))	Kumar A., Singh C.K., Bostick B., Nghiem A., Geen A.V., Mailloux B.	Geochimica et Cosmochimica Acta	2020	0
Marginalisation of off-grid energy sector in Sri Lanka: What lessons could be learnt?	Sarangi G.K., Pugazenthi D., Mishra A., Palit D., Bhattacharyya S.C.	Environment, Development and Sustainability	2020	0
Accommodative Energy Market for Battery Energy Storage and Grid Balancing	Nazar A., Anwer N.	2020 International Conference on Emerging Frontiers in Electrical and Electronic Technologies, ICEFEET 2020	2020	0
Spatial variations of heavy metal contamination and associated risks around an unplanned landfill site in India	Johar P., Singh D., Kumar A.	Environmental Monitoring and Assessment	2020	0
Effectiveness of Gravity Goods Ropeways in market participation of smallholder farmers in uplands	Kc D., Maraseni T., Jamir C., Thapa Magar R., Tuladhar F.	Transportation	2020	0
Synthesis of Chlorinated, Heteroatom-Rich and Differently Fused Tricyclic β -Lactams by Cu(I)-Catalyzed Halogen Atom Transfer Radical Cyclization	Dawra N., Ram R.N., Thakur S.K.	ChemistrySelect	2020	0
Corrigendum to "Modelling and management of smart microgrid for rural electrification in sub-saharan Africa: The case of Nigeria" [Electric. J. 32 (2019) (10) 106672] (The Electricity Journal (2019) 32(10), (S1040619019302775), (10.1016/j.tej.2019.106672))	Nnaji E.C., Adgidzi D., Dioha M.O., Ewim D.R.E., Huan Z.	Electricity Journal	2020	0
Adoption of grid-connected solar rooftop systems in the state of Jammu and Kashmir: A stakeholder analysis.	Dutta A., Das S.	Energy Policy	2020	0
Structure-Based Screening of Non- β -Lactam Inhibitors against Class D β -Lactamases: An Approach of Docking and Molecular Dynamics	Gupta D., Singh A., Somvanshi P., Singh A., Khan A.U.	ACS Omega	2020	0
Positing Indian military for disaster response: comparative analysis of military involvement pre- and post-adoption of National Disaster Management Framework 2005	Avadi S., Seth R.	Defence Studies	2020	0
Role of higher education in the sustainability of water resources: An assessment of institutions in India	Kansal A., Venkatesh G.	Water Policy	2020	0
Assessment of genetic diversity, population structure, and phylogenetic relationships among the Northeast Indian and South Indian commercially released tea cultivars using TE-AFLP markers	Negi M.S., Sharma S.S., Bera B., Tripathi S.B.	Tree Genetics and Genomes	2020	0
Hydraulic fracturing and groundwater contamination in India: evaluating the need for precautionary action	Yadav S., Sarangi G.K., Ram Mohan M.P.	Journal of Energy and Natural Resources Law	2020	0
The Impact of Bacterial Quorum Sensing Signal Molecules on Animal Hosts: Paradigms and Perspectives	Sitaraman R.	ACS Symposium Series	2020	0
The Role of Constructive Neutral Evolution in the Development of Complexity from Symbioses: A Microbe-Centric View	Sitaraman R.	Results and Problems in Cell Differentiation	2020	0
Reflectance based semi-empirical model to determine nature and metamorphic grade of almora group of rocks, Kumaon (Lesser) Himalaya	Roy S.S., Sinha L.K., Singh C.K.	Geocarto International	2020	0

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Title of the paper	Name of Author	Title of the journal	Year of publication	Citation index Web of Science [9328]
Estimation of Organic and Elemental Carbon Emitted from Wood Burning in Traditional and Improved Cookstoves Using Controlled Cooking Test	Arora, P; Jain, S	ENVIRONMENTAL SCIENCE & TECHNOLOGY	2015	23
Characterization of Hydrogeochemical Processes and Fluoride Enrichment in Groundwater of South-Western Punjab	Kumar, A; Singh, CK	WATER QUALITY EXPOSURE AND HEALTH	2015	24
Impact of air pollutants from surface transport sources on human health: A modeling and epidemiological approach	Aggarwal, P; Jain, S	ENVIRONMENT INTERNATIONAL	2015	29
Sequence and expression variation in SUPPRESSOR of OVEREXPRESSION of CONSTANS 1 (SOC1): homeolog evolution in Indian Brassicas	Sri, T; Mayee, P; Singh, A	DEVELOPMENT GENES AND EVOLUTION	2015	11
Helicobacter pylori neutrophil-activating protein: a potential Treg modulator suppressing allergic asthma?	Sehrawat, A; Sinhaand, S; Saxena, A	FRONTIERS IN MICROBIOLOGY	2015	12
Pseudomonas spp. as models for plant-microbe interactions	Sitaraman, R	FRONTIERS IN PLANT SCIENCE	2015	13
Changes in oil content and fatty acid composition in Jatropha curcas during seed development	Sinha, P; Islam, MA; Negi, MS; Tripathi, SB	INDUSTRIAL CROPS AND PRODUCTS	2015	18
Financing large scale wind and solar projects-A review of emerging experiences in the Indian context	Umamaheswaran, S; Seth, R	RENEWABLE & SUSTAINABLE ENERGY REVIEWS	2015	17
Allergies, Helicobacter pylori and the continental enigmas	Sitaraman, R	FRONTIERS IN MICROBIOLOGY	2015	10
Morphological characteristics of particles emitted from combustion of different fuels in improved and traditional cookstoves	Arora, P; Jain, S	JOURNAL OF AEROSOL SCIENCE	2015	12
An overview of local credit systems and their implications for post-growth	Gerber, JF	SUSTAINABILITY SCIENCE	2015	8
Motivations for implementing environmental management practices in Indian industries	Singh, N; Jain, S; Sharma, P	ECOLOGICAL ECONOMICS	2015	53
The Supreme Court of India and Inter-State water dispute: an analysis of the judgments on Mullaperiyar Dam	Mohan, MPR; Chavaly, K	WATER POLICY	2015	0
An exploratory analysis of occupational accidents and risks from nuclear reactors in India	Goswami, A; Mohan, MPR	SAFETY SCIENCE	2015	1
Bioleaching of nickel from spent petroleum catalyst using Acidithiobacillus thiooxidans DSM-11478	Sharma, M; Bisht, V; Singh, B; Jain, P; Mandal, AK; Lal, B; Sarma, PM	INDIAN JOURNAL OF EXPERIMENTAL BIOLOGY	2015	7
Application of Multivariate Statistical Techniques in Determining the Spatial Temporal Water Quality Variation of Ganga and Yamuna Rivers Present in Uttarakhand State, India	Sharma, M; Kansal, A; Jain, S; Sharma, P	WATER QUALITY EXPOSURE AND HEALTH	2015	20
Geospatial quantification and analysis of environmental changes in urbanizing city of Kolkata (India)	Sharma, R; Chakraborty, A; Joshi, PK	ENVIRONMENTAL MONITORING AND ASSESSMENT	2015	26
Fungal Endophyte Diversity and Bioactivity in the Indian Medicinal Plant Ocimum sanctum Linn	Chowdhary, K; Kaushik, N	PLOS ONE	2015	44
Separation of acetone and butyric acid for simultaneous analysis of sugars, volatile fatty acids, acetone and alcohols by HPLC using flow programming	Vohra, MH; Jain, P; Jha, T; Sharma, M; Dureja, P; Sarma, PM; Lal, B	ANALYTICAL METHODS	2015	4
Impact of petroleum hydrocarbon contamination on the indigenous soil microbial community	Cheema, S; Lavania, M; Lal, B	ANNALS OF MICROBIOLOGY	2015	13
Antifeedant and antifungal activity of nanobiopesticide synthesized by Eucalyptus plant extract	Chhipa, H; Kaushik, N	ABSTRACTS OF PAPERS OF THE AMERICAN CHEMICAL SOCIETY	2015	0
Isolation and characterization of a first set of nine polymorphic microsatellite loci in Pongamia pinnata (Fabaceae)	Sharma, SS; Islam, MA; Negi, MS; Tripathi, SB	JOURNAL OF GENETICS	2015	3
Aging and the human gut microbiota-from correlation to causality	Saraswati, S; Sitaraman, R	FRONTIERS IN MICROBIOLOGY	2015	77
Development of a microbial process for methane generation from bituminous coal at thermophilic conditions	Rathi, R; Priya, A; Vohra, M; Lavania, M; Lal, B; Sarma, PM	INTERNATIONAL JOURNAL OF COAL GEOLOGY	2015	23
MASS BALANCE RECONSTRUCTION SINCE 1963 AND MASS BALANCE MODEL FOR EAST RATHONG GLACIER, EASTERN HIMALAYA, USING REMOTE SENSING METHODS	Agrawal, A; Tayal, S	GEOGRAFISKA ANNALER SERIES A-PHYSICAL GEOGRAPHY	2015	3
A god becomes a pest? Human-rhesus macaque interactions in Himachal Pradesh, northern India	Saraswat, R; Sinha, A; Radhakrishna, S	EUROPEAN JOURNAL OF WILDLIFE RESEARCH	2015	30
Aqueous geochemistry of fluoride enriched groundwater in arid part of Western India	Singh, CK; Mukherjee, S	ENVIRONMENTAL SCIENCE AND POLLUTION RESEARCH	2015	32
Effect of internal woven roller shade and glazing on the energy and daylighting performances of an office building in the cold climate of Shillong	Singh, R; Lazarus, IJ; Kishore, VVN	APPLIED ENERGY	2015	32
Multi-level climate governance in India: the role of the states in climate action planning and renewable energies	Jorgensen, K; Mishra, A; Sarangi, GK	JOURNAL OF INTEGRATIVE ENVIRONMENTAL SCIENCES	2015	11
Regression-Kriging Technique to Downscale Satellite-Derived Land Surface Temperature in Heterogeneous Agricultural Landscape	Mukherjee, S; Joshi, PK; Garg, RD	IEEE JOURNAL OF SELECTED TOPICS IN APPLIED EARTH OBSERVATIONS AND REMOTE SENSING	2015	23
Investigation into relationships among NO, NO ₂ , NO _x , O ₃ , and CO at an urban background site in Delhi, India	Tiwari, S; Dahiya, A; Kumar, N	ATMOSPHERIC RESEARCH	2015	37
Emerging perspectives on environmental burden minimisation initiatives from anaerobic digestion technologies for community scale biomass valorisation	Tiwary, A; Williams, ID; Pant, DC; Kishore, VVN	RENEWABLE & SUSTAINABLE ENERGY REVIEWS	2015	27

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Title of the paper	Name of Author	Title of the journal	Year of publication	Citation index Web of Science [9328]
Electrochemical removal of sulfate from petroleum produced water	Jain, P; Sharma, M; Kumar, M; Dureja, P; Singh, MP; Lal, B; Sarma, PM	WATER SCIENCE AND TECHNOLOGY	2015	7
Evaluation of LST downscaling algorithms on seasonal thermal data in humid subtropical regions of India	Mukherjee, S; Joshi, PK; Garg, RD	INTERNATIONAL JOURNAL OF REMOTE SENSING	2015	8
Optimization of electrochemical parameters for sulfate-reducing bacteria (SRB) based biocathode	Sharma, M; Sarma, PM; Pant, D; Dominguez-Benetton, X	RSC ADVANCES	2015	12
Farmers' willingness-to-pay towards soil and water conservation measures in agro-ecosystems of Chotanagpur Plateau, India	Gulati, A; Rai, SC	WATER AND ENVIRONMENT JOURNAL	2015	9
Assessment and mitigation of the environmental burdens to air from land applied food-based digestate	Tiwary, A; Williams, ID; Pant, DC; Kishore, VVN	ENVIRONMENTAL POLLUTION	2015	26
Ecosystem services and forest fires in India - Context and policy implications from a case study in Andhra Pradesh	Schmerbeck, J; Kohli, A; Seeland, K	FOREST POLICY AND ECONOMICS	2015	15
Activated Carbon Monoliths by Pressureless Technique for Environmental Applications	Bajwa, A; Moraga, F; Balakrishnan, M; Svensson, G; Batra, VS	ENVIRONMENTAL PROGRESS & SUSTAINABLE ENERGY	2015	3
Association mapping for identification of ISSR and AFLP markers linked with resin yield in Himalayan Chir Pine (<i>Pinus roxburghii</i> Sarg.)	Rawat, A; Barthwal, S; Ginwal, HS; Tripathi, SB	SILVAE GENETICA	2015	0
Assessment of Tsunami Hazard Vulnerability along the coastal environs of Andaman Islands	Prerna, R; Kumar, TS; Mahendra, RS; Mohanty, PC	NATURAL HAZARDS	2015	4
Wildfires, Ecosystem Services, and Biodiversity in Tropical Dry Forest in India	Schmerbeck, J; Fiener, P	ENVIRONMENTAL MANAGEMENT	2015	14
Depositional environment in great Indian desert using grain size parameters and its chemical characterization	Singh, CK; Kumar, P; Kumar, A; Mukherjee, S	JOURNAL OF THE GEOLOGICAL SOCIETY OF INDIA	2015	2
Possible future changes in cyclonic storms in the Bay of Bengal, India under warmer climate	Sarathi, PP; Agrawal, A; Rana, A	INTERNATIONAL JOURNAL OF CLIMATOLOGY	2015	9
Melting Himalayan glaciers contaminated by legacy atmospheric depositions are important sources of PCBs and high-molecular-weight PAHs for the Ganges floodplain during dry periods	Sharma, BM; Nizzetto, L; Bharat, GK; Tayal, S; Melymuk, L; Sanka, O; Pribylova, P; Audy, O; Larssen, T	ENVIRONMENTAL POLLUTION	2015	28
Geospatial and geostatistical approach for groundwater potential zone delineation	Mallick, J; Singh, CK; Al-Wadi, H; Ahmed, M; Rahman, A; Shashtri, S; Mukherjee, S	HYDROLOGICAL PROCESSES	2015	56
Mass culture strategy for bacterial yeast co-culture for degradation of petroleum hydrocarbons in marine environment	Priya, A; Mandal, AK; Ball, AS; Manefield, M; Lal, B; Sarma, PM	MARINE POLLUTION BULLETIN	2015	12
Continuous catalytic upgrading of fast pyrolysis oil using iron oxides in red mud	Kastner, JR; Hilten, R; Weber, J; McFarlane, AR; Hargreaves, JSJ; Batra, VS	RSC ADVANCES	2015	16
Estimating biomass and carbon mitigation of temperate coniferous forests using spectral modeling and field inventory data	Wani, AA; Joshi, PK; Singh, O	ECOLOGICAL INFORMATICS	2015	31
Specific oxygen uptake rate gradient - Another possible cause of excess sludge reduction in oxic-settling-anaerobic (OSA) process	Khurshed, A; Sharma, MK; Tyagi, VK; Khan, AA; Kazmi, AA	CHEMICAL ENGINEERING JOURNAL	2015	19
Tree species biomass and carbon stock measurement using ground based-LiDAR	Maan, GS; Singh, CK; Singh, MK; Nagarajan, B	GEOCARTO INTERNATIONAL	2015	3
Modelling the hypsometric seasonal snow cover using meteorological parameters	Snehmani; Bhardwaj, A; Singh, MK; Gupta, RD; Joshi, PK; Ganju, A	JOURNAL OF SPATIAL SCIENCE	2015	14
Remote sensing of mountain snow using active microwave sensors: a review	Snehmani; Singh, MK; Gupta, RD; Bhardwaj, A; Joshi, PK	GEOCARTO INTERNATIONAL	2015	10
Endophyte screening from Indo-Spanish medicinal plants: Biotechnological green crop protectants	Gonzalez-Coloma, A; Andres, MF; Diaz, CE; Gimenez, C; Cabrera, R; Kaushik, N	ABSTRACTS OF PAPERS OF THE AMERICAN CHEMICAL SOCIETY	2015	0
High resolution DEM generation for complex snow covered Indian Himalayan Region using ADS80 aerial push-broom camera: a first time attempt	Singh, MK; Snehmani; Gupta, RD; Bhardwaj, A; Joshi, PK; Ganju, A	ARABIAN JOURNAL OF GEOSCIENCES	2015	10
Isolation, characterization and antifungal docking studies of wortmannin isolated from <i>Penicillium radicum</i>	Singh, V; Praveen, V; Tripathi, D; Haque, S; Somvanshi, P; Katti, SB; Tripathi, CKM	SCIENTIFIC REPORTS	2015	11
Implication of Caspase-3 as a Common Therapeutic Target for Multineurodegenerative Disorders and Its Inhibition Using Nonpeptidyl Natural Compounds	Khan, S; Ahmad, K; Alshammari, EMA; Adnan, M; Baig, MH; Lohani, M; Somvanshi, P; Haque, S	BIOMED RESEARCH INTERNATIONAL	2015	26
A lake detection algorithm (LDA) using Landsat 8 data: A comparative approach in glacial environment	Bhardwaj, A; Singh, MK; Joshi, PK; Snehmani; Singh, S; Sam, L; Gupta, RD; Kumar, R	INTERNATIONAL JOURNAL OF APPLIED EARTH OBSERVATION AND GEOINFORMATION	2015	32
Applicability of Landsat 8 data for characterizing glacier facies and supraglacial debris	Bhardwaj, A; Joshi, PK; Snehmani; Sam, L; Singh, MK; Singh, S; Kumar, R	INTERNATIONAL JOURNAL OF APPLIED EARTH OBSERVATION AND GEOINFORMATION	2015	35
Accuracy of Cartosat-1 DEM and its derived attribute at multiple scale representation	Mukherjee, S; Mukherjee, S; Bhardwaj, A; Mukhopadhyay, A; Garg, RD; Hazra, S	JOURNAL OF EARTH SYSTEM SCIENCE	2015	4
Vigorous Appraisal of Fluoride on Industrial Proponent in Thermal Power Plant over Anthropoid Biosphere Using F-Ion-Selective Electrode	Pandey, PC; Kumar, P; Yadav, M; Katiyar, S; Mandal, VP; Singh, RK; Tomar, V; Rani, M	IEEE JOURNAL OF TRANSLATIONAL ENGINEERING IN HEALTH AND MEDICINE-JTEHM	2015	1
Energy and material flows of megacities	Kennedy, CA; Stewart, I; Facchini, A; Cersosimo, I; Mele, R; Chen, B; Uda, M; Kansal, A; Chiu, A; Kim, KG; Dubeux, C; La Rovere, EL; Cunha, B; Pincetl, S; Keirstead, J; Barles, S; Pusaka, S; Gunawan, J; Adegbile, M; Nazariha, M; Hoque, S; Marcotullio, PJ; Otharan, FG; Genena, T; Ibrahim, N; Farooqui, R; Cervantes, G; Sahin, AD	PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA	2015	192

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Title of the paper	Name of Author	Title of the journal	Year of publication	Citation index Web of Science [9328]
Planetary boundaries: Guiding human development on a changing planet	Steffen, W; Richardson, K; Rockstrom, J; Cornell, SE; Fetzer, I; Bennett, EM; Biggs, R; Carpenter, SR; de Vries, W; de Wit, CA; Folke, C; Gerten, D; Heinke, J; Mace, GM; Persson, LM; Ramanathan, V; Reyers, B; Sorlin, S	SCIENCE	2015	3352
Development of Decadal (1985-1995-2005) Land Use and Land Cover Database for India	Roy, PS; Roy, A; Joshi, PK; Kale, MP; Srivastava, VK; Srivastava, SK; Dwevidi, RS; Joshi, C; Behera, MD; Meiyappan, P; Sharma, Y; Jain, AK; Singh, JS; Palchowdhuri, Y; Ramachandran, RM; Pinjarla, B; Chakravarthi, V; Babu, N; Gowsalya, MS; Thiruvengadam, P; Kotteeswaran, M; Priya, V; Yelishetty, KMVN; Maitihani, S; Talukdar, G; Mondal, I; Rajan, KS; Narendra, PS; Biswal, S; Chakraborty, A; Padalia, H; Chavan, M; Pardeshi, SN; Chaudhari, SA; Anand, A; Vyas, A; Reddy, MK; Ramalingam, M; Manonmani, R; Behera, P; Das, P; Tripathi, P; Matin, S; Khan, ML; Tripathi, OP; Deka, J; Kumar, P; Kushwaha, D	REMOTE SENSING	2015	91
New vegetation type map of India prepared using satellite remote sensing: Comparison with global vegetation maps and utilities	Roy, PS; Behera, MD; Murthy, MSR; Roy, A; Singh, S; Kushwaha, SPS; Jha, CS; Sudhakar, S; Joshi, PK; Reddy, CS; Gupta, S; Pujar, G; Dutt, CBS; Srivastava, VK; Porwal, MC; Tripathi, P; Singh, JS; Chitale, V; Skidmore, AK; Rajshekhkar, G; Kushwaha, D; Karnatak, H; Saran, S; Giriraj, A; Padalia, H; Kale, M; Nandy, S; Jeganathan, C; Singh, CP; Biradar, CM; Pattanaik, C; Singh, DK; Devagiri, GM; Talukdar, G; Panigrahy, RK; Singh, H; Sharma, JR; Haridasan, K; Trivedi, S; Singh, KP; Kannan, L; Daniel, M; Misra, MK; Niphadkar, M; Nagabhatla, N; Prasad, N; Tripathi, OP; Prasad, PRC; Dash, P; Qureshi, Q; Tripathi, SK; Ramesh, BR; Gowda, B; Tomar, S; Romshoo, S; Giriraj, S; Ravan, SA; Behera, SK; Paul, S; Das, AK; Ranganath, BK; Singh, TP; Sahu, TR; Shankar, U; Menon, ARR; Srivastava, G; Neeti; Sharma, S; Mohapatra, UB; Peddi, A; Rashid, H; Salroo, I; Krishna, PH; Hajra, PK; Vergheese, AO; Matin, S; Chaudhary, SA; Ghosh, S; Lakshmi, U; Rawat, D; Ambastha, K; Malik, AH; Devi, BSS; Gowda, B; Sharma, KC; Mukharjee, P; Sharma, A; Davidar, P; Raju, RRV; Katewa, SS; Kant, S; Raju, VS; Uniyal, BP; Debnath, B; Rout, DK; Thana, R; Joseph, S; Palit, D; Bandyopadhyay, KR	INTERNATIONAL JOURNAL OF APPLIED EARTH OBSERVATION AND GEOINFORMATION	2015	81
Rural electricity access in South Asia: Is grid extension the remedy? A critical review	Palit, D; Bandyopadhyay, KR	RENEWABLE & SUSTAINABLE ENERGY REVIEWS	2016	52
Sequence variation in Brassica AP2 and analysis of interaction of AP2-miR172 regulatory module	Shivaraj, SM; Singh, A	PLANT CELL TISSUE AND ORGAN CULTURE	2016	8
Probiotics as a Potential Alternative for Relieving Peripheral Neuropathies: a Case for Guillain-Barre Syndrome	Saxena, A	FRONTIERS IN MICROBIOLOGY	2016	2
Energy demand and CO2 emissions from urban on-road transport in Delhi: current and future projections under various policy measures	Aggarwal, P; Jain, S	JOURNAL OF CLEANER PRODUCTION	2016	47
The Role of DNA Restriction-Modification Systems in the Biology of Bacillus anthracis	Sitaraman, R	FRONTIERS IN MICROBIOLOGY	2016	6
Mapping disaster vulnerability in India using analytical hierarchy process	Chakraborty, A; Joshi, PK	GEOMATICS NATURAL HAZARDS & RISK	2016	41
The determinants of electricity theft: An empirical analysis of Indian states	Gaur, V; Gupta, E	ENERGY POLICY	2016	30
Osmoregulation in Saccharomyces cerevisiae via mechanisms other than the high-osmolarity glycerol pathway	Saxena, A; Sitaraman, R	MICROBIOLOGY-SGM	2016	11
A review of chronological development in cookstove assessment methods: Challenges and way forward	Arora, P; Jain, S	RENEWABLE & SUSTAINABLE ENERGY REVIEWS	2016	25
Microbial production of 2,3-butanediol through a two-stage pH and agitation strategy in 150l bioreactor	Priya, A; Dureja, P; Talukdar, P; Rath, R; Lal, B; Sarma, PM	BIOCHEMICAL ENGINEERING JOURNAL	2016	24
Changes in DNA methylation levels during seed development in Jatropha curcas	Pandey, P; Malik, AA; Kumar, K; Negi, MS; Tripathi, SB	JOURNAL OF GENETICS	2016	0
Estimation of Most Frequent Conditions and Performance Evaluation of Three Photovoltaic Technology Modules	Bora, B; Sastry, OS; Kumar, A; Renu; Bangar, M; Prasad, B	JOURNAL OF SOLAR ENERGY ENGINEERING-TRANSACTIONS OF THE ASME	2016	10
Seed traits, fatty acid profile and genetic diversity assessment in Pongamia pinnata (L.) Pierre germplasm	Sharma, SS; Islam, MA; Malik, AA; Kumar, K; Negi, MS; Tripathi, SB	PHYSIOLOGY AND MOLECULAR BIOLOGY OF PLANTS	2016	6
Understanding trends and shifts in rainfall in parts of northwestern India based on global climatic indices	Narayanan, P; Basistha, A; Sachdeva, K	WEATHER	2016	2
Natural genetic variation in Brassica homologs of FLOWERING LOCUS T and characterization of its expression domains	Mayee, P; Singh, A	JOURNAL OF PLANT BIOCHEMISTRY AND BIOTECHNOLOGY	2016	2

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Title of the paper	Name of Author	Title of the journal	Year of publication	Citation index Web of Science [9328]
Using Spatial Multi-Criteria Analysis and Ranking Tool (SMART) in earthquake risk assessment: a case study of Delhi region, India	Sinha, N; Priyanka, N; Joshi, PK	GEOMATICS NATURAL HAZARDS & RISK	2016	14
Isolation and characterization of Candida vishwanathii strain TERI MS1 for degradation of petroleum hydrocarbons in marine environment	Priya, A; Sarma, PM; Lal, B	DESALINATION AND WATER TREATMENT	2016	2
Uncertainty and sensitivity analyses of energy and visual performances of office building with external venetian blind shading in hot-dry climate	Singh, R; Lazarus, IJ; Kishore, VVN	APPLIED ENERGY	2016	32
An indicator-based approach to assess village-level social and biophysical vulnerability of agriculture communities in Uttarakhand, India	Shukla, R; Sachdeva, K; Joshi, PK	JOURNAL OF MOUNTAIN SCIENCE	2016	6
Comparison of national level biomass maps for conterminous US: understanding pattern and causes of differences	Neeti, N; Kennedy, R	CARBON BALANCE AND MANAGEMENT	2016	8
Predicting distribution of major forest tree species to potential impacts of climate change in the central Himalayan region	Chakraborty, A; Joshi, PK; Sachdeva, K	ECOLOGICAL ENGINEERING	2016	23
Energy and carbon footprints of sewage treatment methods	Singh, P; Kansal, A; Carliell-Marquet, C	JOURNAL OF ENVIRONMENTAL MANAGEMENT	2016	49
Implications of end-user behaviour in response to deficiencies in water supply for electricity consumption - A case study of Delhi	Ghosh, R; Kansal, A; Aghi, S	JOURNAL OF HYDROLOGY	2016	6
Multi-criteria approach to geographically visualize the quality of life in India	Prakash, M; Shukla, R; Chakraborty, A; Joshi, PK	INTERNATIONAL JOURNAL OF SUSTAINABLE DEVELOPMENT AND WORLD ECOLOGY	2016	4
Conversion of biomass-generated syngas into next-generation liquid transport fuels through microbial intervention: potential and current status	Verma, D; Singla, A; Lal, B; Sarma, PM	CURRENT SCIENCE	2016	14
Integrated Assessment of Groundwater for Agricultural Use in Mewat District of Haryana, India Using Geographical Information System (GIS)	Mehra, M; Oinam, B; Singh, CK	JOURNAL OF THE INDIAN SOCIETY OF REMOTE SENSING	2016	18
A Water-Withdrawal Input-Output Model of the Indian Economy	Bogra, S; Bakshi, BR; Mathur, R	ENVIRONMENTAL SCIENCE & TECHNOLOGY	2016	17
Analysis of genetic diversity and population structure in Capsicum landraces from North Eastern India using TE-AFLP markers	Islam, MA; Sinha, P; Sharma, SS; Negi, MS; Neog, B; Tripathi, SB	PLANT MOLECULAR BIOLOGY REPORTER	2016	8
Metabolomics for understanding the plant chemistry: Comparison of lipid extraction methods for lipid profiling in algae	Kaushik, N; Kind, T; Fiehn, O	ABSTRACTS OF PAPERS OF THE AMERICAN CHEMICAL SOCIETY	2016	0
Plant Organellar Proteomics in Response to Dehydration: Turning Protein Repertoire into Insights	Gupta, DB; Rai, Y; Gayali, S; Chakraborty, S; Chakraborty, N	FRONTIERS IN PLANT SCIENCE	2016	6
Benchmarking sustainability using indicators: An Indian case study	Kwatra, S; Kumar, A; Sharma, P; Sharma, S; Singhal, S	ECOLOGICAL INDICATORS	2016	14
Structures of designed armadillo-repeat proteins show propagation of inter-repeat interface effects	Reichen, C; Madhurantakam, C; Hansen, S; Grutter, MG; Pluckthun, A; Mittl, PRE	ACTA CRYSTALLOGRAPHICA SECTION D-STRUCTURAL BIOLOGY	2016	8
Chickpea Ferritin CaFer1 Participates in Oxidative Stress Response, and Promotes Growth and Development	Parveen, S; Gupta, DB; Dass, S; Kumar, A; Pandey, A; Chakraborty, S; Chakraborty, N	SCIENTIFIC REPORTS	2016	11
Evaluation of LiDAR and image segmentation based classification techniques for automatic building footprint extraction for a segment of Atlantic County, New Jersey	Prerna, R; Singh, CK	GEOCARTO INTERNATIONAL	2016	5
Bio-electro catalytic treatment of petroleum produced water: Influence of cathode potential upliftment	Jain, P; Srikanth, S; Kumar, M; Sarma, PM; Singh, MP; Lal, B	BIORESOURCE TECHNOLOGY	2016	12
Trend analysis and forecast of pre-monsoon rainfall over India	Narayanan, P; Sarkar, S; Basistha, A; Sachdeva, K	WEATHER	2016	8
BIM (BCL-2 interacting mediator of cell death) SAHB (stabilized alpha helix of BCL2) not always convinces BAX (BCL-2-associated X protein) for apoptosis	Verma, S; Goyal, S; Tyagi, C; Jamal, S; Singh, A; Grover, A	JOURNAL OF MOLECULAR GRAPHICS & MODELLING	2016	7
Hsp90: Friends, clients and natural foes	Verma, S; Goyal, S; Jamal, S; Singh, A; Grover, A	BIOCHIMIE	2016	42
Automated detection and temporal monitoring of crevasses using remote sensing and their implications for glacier dynamics	Bhardwaj, A; Sam, L; Singh, S; Kumar, R	ANNALS OF GLACIOLOGY	2016	10
Remote sensing flow velocity of debris-covered glaciers using Landsat 8 data	Sam, L; Bhardwaj, A; Singh, S; Kumar, R	PROGRESS IN PHYSICAL GEOGRAPHY-EARTH AND ENVIRONMENT	2016	20
Development of functionalized quantum dot modified poly(vinyl alcohol) membranes for fuel cell applications	Malik, RS; Soni, U; Chauhan, SS; Verma, P; Choudhary, V	RSC ADVANCES	2016	10
Targeted delivery system for cancer cells consist of multiple ligands conjugated genetically modified CCMV capsid on doxorubicin GNP's complex	Barwal, I; Kumar, R; Kateriya, S; Dinda, AK; Yadav, SC	SCIENTIFIC REPORTS	2016	19
Valuing setting-based recreation for selected visitors to national forests in the southern United States	Sardana, K; Bergstrom, JC; Bowker, JM	JOURNAL OF ENVIRONMENTAL MANAGEMENT	2016	16
Hydrophobic Interactions Are a Key to MDM2 Inhibition by Polyphenols as Revealed by Molecular Dynamics Simulations and MM/PBSA Free Energy Calculations	Verma, S; Grover, S; Tyagi, C; Goyal, S; Jamal, S; Singh, A; Grover, A	PLOS ONE	2016	54
GIS based analysis for assessing the accessibility at hierarchical levels of urban green spaces	Gupta, K; Roy, A; Luthra, K; Maithani, S; Mahavir	URBAN FORESTRY & URBAN GREENING	2016	56
Molecular modeling and lead design of substituted zanamivir derivatives as potent anti-influenza drugs	Dholakia, D; Goyal, S; Jamal, S; Singh, A; Das, A; Grover, A	BMC BIOINFORMATICS	2016	3

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Title of the paper	Name of Author	Title of the journal	Year of publication	Citation index Web of Science [9328]
Remote sensing of alpine glaciers in visible and infrared wavelengths: a survey of advances and prospects	Bhardwaja, A; Joshi, PK; Sam, L; Snehmani	GEOCARTO INTERNATIONAL	2016	8
Fragment based G-QSAR and molecular dynamics based mechanistic simulations into hydroxamic-based HDAC inhibitors against spinocerebellar ataxia	Sinha, S; Tyagi, C; Goyal, S; Jamal, S; Somvanshi, P; Grover, A	JOURNAL OF BIOMOLECULAR STRUCTURE & DYNAMICS	2016	14
The Chromosomal parDE2 Toxin-Antitoxin System of Mycobacterium tuberculosis H37Rv: Genetic and Functional Characterization	Gupta, M; Nayyar, N; Chawla, M; Sitaraman, R; Bhatnagar, R; Banerjee, N	FRONTIERS IN MICROBIOLOGY	2016	15
Molecular principles behind pyrazinamide resistance due to mutations in panD gene in Mycobacterium tuberculosis	Pandey, B; Grover, S; Tyagi, C; Goyal, S; Jamal, S; Singh, A; Kaur, J; Grover, A	GENE	2016	24
Cheminformatics Based Machine Learning Approaches for Assessing Glycolytic Pathway Antagonists of Mycobacterium tuberculosis	Tiwari, K; Jamal, S; Grover, S; Goyal, S; Singh, A; Grover, A	COMBINATORIAL CHEMISTRY & HIGH THROUGHPUT SCREENING	2016	8
Use of Geospatial Tools to Prioritize Zones of Hydro-Energy Potential in Glaciated Himalayan Terrain	Sam, L; Bhardwaj, A; Sinha, VSP; Joshi, PK; Kumar, R	JOURNAL OF THE INDIAN SOCIETY OF REMOTE SENSING	2016	3
Novel group-based QSAR and combinatorial design of CK-1 delta inhibitors as neuroprotective agents	Joshi, K; Goyal, S; Grover, S; Jamal, S; Singh, A; Dhar, P; Grover, A	BMC BIOINFORMATICS	2016	6
Perfluoroalkyl substances (PFAS) in river and ground/drinking water of the Ganges River basin: Emissions and implications for human exposure	Sharma, BM; Bharat, GK; Tayal, S; Larssen, T; Becanova, J; Karaskova, P; Whitehead, PG; Futter, MN; Butterfield, D; Nizzetto, L	ENVIRONMENTAL POLLUTION	2016	74
Atmospheric aerosols local-regional discrimination for a semi-urban area in India	Hooda, RK; Hyvarinen, AP; Vestenius, M; Gilardoni, S; Sharma, VP; Vignati, E; Kulmala, M; Lihavainen, H	ATMOSPHERIC RESEARCH	2016	8
Mapping of spot blotch disease resistance using NDVI as a substitute to visual observation in wheat (Triticum aestivum L.)	Kumar, S; Roder, MS; Singh, RP; Kumar, S; Chand, R; Joshi, AK; Kumar, U	MOLECULAR BREEDING	2016	11
Low methane (CH4) emissions downstream of a monomictic subtropical hydroelectric reservoir (Nam Theun 2, Lao PDR)	Deshmukh, C; Guerin, F; Labat, D; Pighini, S; Vongkhamso, A; Guedant, P; Rode, W; Godon, A; Chanudet, V; Descloux, S; Serca, D	BIOGEOSCIENCES	2016	16
Effect of sporadic destratification, seasonal overturn, and artificial mixing on CH4 emissions from a subtropical hydroelectric reservoir	Guerin, F; Deshmukh, C; Labat, D; Pighini, S; Vongkhamso, A; Guedant, P; Rode, W; Godon, A; Chanudet, V; Descloux, S; Serca, D	BIOGEOSCIENCES	2016	13
Pan-genome analysis of Clostridium botulinum reveals unique targets for drug development	Bhardwaj, T; Somvanshi, P	GENE	2017	27
HPLC fingerprinting for authentication of Berberis species	Kaushik, N; Bhardwaj, D	ABSTRACTS OF PAPERS OF THE AMERICAN CHEMICAL SOCIETY	2017	0
Endophytes as source of natural pesticide	Kaushik, N	ABSTRACTS OF PAPERS OF THE AMERICAN CHEMICAL SOCIETY	2017	0
Environmental life cycle assessment of edible oils: A review of current knowledge and future research challenges	Khatri, P; Jain, S	JOURNAL OF CLEANER PRODUCTION	2017	15
Functional characterization of a novel Brassica LEAFY homolog from Indian mustard: Expression pattern and gain-of-function studies	Dhakate, P; Tyagi, S; Singh, A; Singh, A	PLANT SCIENCE	2017	5
Gender mainstreaming in forest governance: analysing 25 years of research and policy in South Asia	Tyagi, N; Das, S	INTERNATIONAL FORESTRY REVIEW	2017	8
Food, fuel and climate change: India's trilemma	Kaushal, P	CURRENT SCIENCE	2017	1
Mechanism design for land acquisition	Sarkar, S	INTERNATIONAL JOURNAL OF GAME THEORY	2017	5
Growth, lipid productivity and cellular mechanism of lipid accumulation in microalgae Monoraphidium sp following different phosphorous concentrations for biofuel production	Dhup, S; Kannan, DC; Dhawan, V	CURRENT SCIENCE	2017	6
Optimum level of insulation for energy efficient envelope of office buildings	Batra, U; Singhal, S	INTERNATIONAL JOURNAL OF ENVIRONMENTAL SCIENCE AND TECHNOLOGY	2017	4
Rural electricity access in India in retrospect: A critical rumination	Palit, D; Bandyopadhyay, KR	ENERGY POLICY	2017	40
Designing a watershed scorecard as a performance evaluation tool for Ur River watershed, Tikamgarh District, Madhya Pradesh	Gupta, M; Goyal, VC; Tarannum, F; Patil, JP	INTERNATIONAL SOIL AND WATER CONSERVATION RESEARCH	2017	2
Optimum sizing and performance modeling of Solar Photovoltaic (SPV) water pumps for different climatic conditions	Renu, Bora, B; Prasad, B; Sastry, OS; Kumar, A; Bangar, M	SOLAR ENERGY	2017	12
An observation-based climatology and forecasts of winter fog in Ghaziabad, India	Srivastava, SK; Sharma, AR; Sachdeva, K	WEATHER	2017	0
A comparison of pretreatments on release of sugars from sweet sorghum bagasse for bioethanol production	Banerji, A; Kishore, VVN; Balakrishnan, M	INTERNATIONAL JOURNAL OF GREEN ENERGY	2017	4
Advanced simulation of biomass gasification in a fluidized bed reactor using ASPEN PLUS	Kaushal, P; Tyagi, R	RENEWABLE ENERGY	2017	57
RETRACTED: Thiocarbonylhydrazide Cross-Linked Oxidized Chitosan and Poly(vinyl alcohol): A Green Framework as Efficient Cu(II), Pb(II), and Hg(II) Adsorbent (Retracted article. See vol. 65, pg. 940, 2020)	Ahmad, M; Manzoor, K; Chaudhuri, RR; Ikram, S	JOURNAL OF CHEMICAL AND ENGINEERING DATA	2017	33
A cradle-to-gate assessment of environmental impacts for production of mustard oil using life cycle assessment approach	Khatri, P; Jain, S; Pandey, S	JOURNAL OF CLEANER PRODUCTION	2017	9
Print mass media coverage of wildlife in the developing world	Lyngdoh, S; Dixit, D; Sinha, BC	CURRENT SCIENCE	2017	8

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The changing Himalayan landscape: pine-oak forest dynamics and the supply of ecosystem services	Naudiyal, N; Schmerbeck, J	JOURNAL OF FORESTRY RESEARCH	2017	15
Vulnerability of agro-ecological zones in India under the earth system climate model scenarios	Shukla, R; Chakraborty, A; Joshi, PK	MITIGATION AND ADAPTATION STRATEGIES FOR GLOBAL CHANGE	2017	13
Off-grid electricity interventions for cleaner livelihoods: A case study of value chain development in Dhenkanal district of Odisha	Narula, SA; Bhattacharyya, S	JOURNAL OF CLEANER PRODUCTION	2017	10
Clustering Data and Incorporating Topographical Variables for Improving Spatial Interpolation of Rainfall in Mountainous Region	Kumari, M; Singh, CK; Basistha, A	WATER RESOURCES MANAGEMENT	2017	5
Dynamic analysis and ecological evaluation of urban heat islands in Raipur city, India	Guha, S; Govil, H; Mukherjee, S	JOURNAL OF APPLIED REMOTE SENSING	2017	24
Intraseasonal Variability of Summer Monsoon Rainfall and Droughts over Central India	Shrivastava, S; Kar, SC; Sharma, AR	PURE AND APPLIED GEOPHYSICS	2017	3
What influences the plant community composition on Delhi ridge? The role played by Prosopis juliflora and anthropogenic disturbances	Naudiyal, N; Schmerbeck, J; Gaztner, S	TROPICAL ECOLOGY	2017	2
Soil moisture variations in remotely sensed and reanalysis datasets during weak monsoon conditions over central India and central Myanmar	Shrivastava, S; Kar, SC; Sharma, AR	THEORETICAL AND APPLIED CLIMATOLOGY	2017	14
Assessment of carbon neutrality and sustainability in educational campuses (CaNSEC): A general framework	Jain, S; Agarwal, A; Jani, V; Singhal, S; Sharma, P; Jalan, R	ECOLOGICAL INDICATORS	2017	8
Inter-annual variability of summer monsoon rainfall over Myanmar	Shrivastava, S; Kar, SC; Sharma, AR	INTERNATIONAL JOURNAL OF CLIMATOLOGY	2017	6
Impact assessment of short-term variability of solar radiation in Rajasthan using SRRA data	Tripathy, SK; Mitra, I; Heinemann, D; Giridhar, G; Gomathinayagam, S	RENEWABLE & SUSTAINABLE ENERGY REVIEWS	2017	5
Assessing forest fragmentation in north-western Himalaya: a case study from Ranikhet forest range, Uttarakhand, India	Sharma, M; Chakraborty, A; Garg, JK; Joshi, PK	JOURNAL OF FORESTRY RESEARCH	2017	4
Natural polyphenolic inhibitors against the antiapoptotic BCL-2	Verma, S; Singh, A; Kumari, A; Tyagi, C; Goyal, S; Jamal, S; Grover, A	JOURNAL OF RECEPTORS AND SIGNAL TRANSDUCTION	2017	15
Is maternal body mass index associated with neonatal mortality? A pooled analysis of nationally representative data from nine Asian countries	Rai, RK; Singh, L; Singh, PK	NUTRITION	2017	4
Dissecting the role of mutations in chymase inhibition: Free energy and decomposition analysis	Verma, S; Singh, A; Kumari, A; Goyal, S; Jamal, S; Sinha, S; Grover, A	GENE	2017	3
Conformational Ensembles of alpha-Synuclein Derived Peptide with Different Osmolytes from Temperature Replica Exchange Sampling	Jamal, S; Kumari, A; Singh, A; Goyal, S; Grover, A	FRONTIERS IN NEUROSCIENCE	2017	6
Bioelectrochemical approaches for removal of sulfate, hydrocarbon and salinity from produced water	Jain, P; Sharma, M; Dureja, P; Sarma, PM; Lal, B	CHEMOSPHERE	2017	40
Non-stationary modelling framework for rainfall interpolation in complex terrain	Kumari, M; Singh, CK; Basistha, A; Dorji, S; Tamang, TB	INTERNATIONAL JOURNAL OF CLIMATOLOGY	2017	7
Photo-chemical transport modelling of tropospheric ozone: A review	Sharma, S; Sharma, P; Khare, M	ATMOSPHERIC ENVIRONMENT	2017	26
Mechanistic Insights into the Binding of Class IIa HDAC Inhibitors toward Spinocerebellar Ataxia Type-2: A 3D-QSAR and Pharmacophore Modeling Approach	Sinha, S; Goyal, S; Somvanshi, P; Grover, A	FRONTIERS IN NEUROSCIENCE	2017	11
Characterizing fragmentation trends of the Himalayan forests in the Kumaon region of Uttarakhand, India	Chakraborty, A; Ghosh, A; Sachdeva, K; Joshi, PK	ECOLOGICAL INFORMATICS	2017	10
Analysis of urban built-up areas and surface urban heat island using downscaled MODIS derived land surface temperature data	Mukherjee, S; Joshi, PK; Garg, RD	GEOCARTO INTERNATIONAL	2017	18
Mechanistic Principles Behind Molecular Mechanism of Rifampicin Resistance in Mutant RNA Polymerase Beta Subunit of Mycobacterium tuberculosis	Singh, A; Grover, S; Sinha, S; Das, M; Somvanshi, P; Grover, A	JOURNAL OF CELLULAR BIOCHEMISTRY	2017	18
Geographically weighted regression based quantification of rainfall-topography relationship and rainfall gradient in Central Himalayas	Kumari, M; Singh, CK; Bakimchandra, O; Basistha, A	INTERNATIONAL JOURNAL OF CLIMATOLOGY	2017	20
DEM-based delineation for improving geostatistical interpolation of rainfall in mountainous region of Central Himalayas, India	Kumari, M; Singh, CK; Bakimchandra, O; Basistha, A	THEORETICAL AND APPLIED CLIMATOLOGY	2017	10
Structures of designed armadillo repeat proteins binding to peptides fused to globular domains	Hansen, S; Kiefer, JD; Madhurantakam, C; Mittl, PRE; Pluckthun, A	PROTEIN SCIENCE	2017	4
An urban systems framework to assess the trans-boundary food-energy-water nexus: implementation in Delhi, India	Ramaswami, A; Boyer, D; Nagpure, AS; Fang, A; Bogra, S; Bakshi, B; Cohen, E; Rao-Ghorpade, A	ENVIRONMENTAL RESEARCH LETTERS	2017	59
Uncertainty of soil erosion modelling using open source high resolution and aggregated DEMs	Mondal, A; Khare, D; Kundu, S; Mukherjee, S; Mukhopadhyay, A; Mondal, S	GEOSCIENCE FRONTIERS	2017	25
Multivariate statistical analysis and geochemical modeling for geochemical assessment of groundwater of Delhi, India	Singh, CK; Kumar, A; Shashtri, S; Kumar, A; Kumar, P; Mallick, J	JOURNAL OF GEOCHEMICAL EXPLORATION	2017	66
Mutations induce conformational changes in folliculin C-terminal domain: possible cause of loss of guanine exchange factor activity and Birt-Hogg-Dube syndrome	Verma, S; Tyagi, C; Goyal, S; Pandey, B; Jamal, S; Singh, A; Grover, A	JOURNAL OF BIOMOLECULAR STRUCTURE & DYNAMICS	2017	1
Double Mutants in DNA Gyrase Lead to Ofloxacin Resistance in Mycobacterium tuberculosis	Pandey, B; Grover, S; Tyagi, C; Goyal, S; Jamal, S; Singh, A; Kaur, J; Grover, A	JOURNAL OF CELLULAR BIOCHEMISTRY	2017	3
A climate policy pathway for near- and long-term benefits	Shindell, D; Borgford-Parnell, N; Brauer, M; Haines, A; Kuylenstierna, JCI; Leonard, SA; Ramanathan, V; Ravishankara, A; Amann, M; Srivastava, L	SCIENCE	2017	37

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Spatial analysis of soil resources in the Mewat district in the semi-arid regions of Haryana, India	Mehra, M; Singh, CK	ENVIRONMENT DEVELOPMENT AND SUSTAINABILITY	2018	5
Prokaryotic horizontal gene transfer within the human holobiont: ecological-evolutionary inferences, implications and possibilities	Sitaraman, R	MICROBIOME	2018	26
Health risk assessment due to biomass smoke exposure in Indian indoor environment: An empirical approach using lung deposition model	Tigala, S; Sharma, AR; Sachdeva, K	SCIENCE OF THE TOTAL ENVIRONMENT	2018	8
Comparative study of different Biological Processes for non-segregated Municipal Solid Waste (MSW) leachate treatment	Chaturvedi, H; Kaushal, P	ENVIRONMENTAL TECHNOLOGY & INNOVATION	2018	6
Recovery of antioxidants from sugarcane molasses distillery wastewater and its effect on biomethanation	Kaushik, A; Basu, S; Raturi, S; Batra, VS; Balakrishnan, M	JOURNAL OF WATER PROCESS ENGINEERING	2018	9
Assessing gender responsiveness of forest policies in India	Tyagi, N; Das, S	FOREST POLICY AND ECONOMICS	2018	5
Understanding public perception, knowledge and behaviour for water quality management of the river Yamuna in India	Tarannum, F; Kansal, A; Sharma, P	WATER POLICY	2018	6
A fine balance: Lessons from India's experience with petroleum subsidy reforms	Jain, AK	ENERGY POLICY	2018	0
Convergence of VCG mechanism to ex-post budget balance in a model of land acquisition	Sarkar, S	MATHEMATICAL SOCIAL SCIENCES	2018	1
Quantitative analysis of the methane gas emissions from municipal solid waste in India	Singh, CK; Kumar, A; Roy, SS	SCIENTIFIC REPORTS	2018	18
An overview on corporate response towards sustainability issues in textile industry	Desore, A; Narula, SA	ENVIRONMENT DEVELOPMENT AND SUSTAINABILITY	2018	26
Inherent vulnerability assessment of rural households based on socio-economic indicators using categorical principal component analysis: A case study of Kimsar region, Uttarakhand	Rajesh, S; Jain, S; Sharma, P	ECOLOGICAL INDICATORS	2018	22
Energy rating estimation of PV module technologies for different climatic conditions	Bora, B; Kumar, R; Sastry, OS; Prasad, B; Mondal, S; Tripathi, AK	SOLAR ENERGY	2018	11
Arsenic contamination in Rapti River Basin, Terai region of India	Singh, CK; Kumar, A; Bindal, S	JOURNAL OF GEOCHEMICAL EXPLORATION	2018	19
High-grade activated carbon from pyrolytic biochar of Jatropa and Karanja oil seed cakes-Indian biodiesel industry wastes	Garg, S; Das, P	BIOMASS CONVERSION AND BIOREFINERY	2018	6
Modeling fuel efficiency for heavy duty vehicles (HDVs) in India	Karpate, Y; Sharma, S; Sundar, S	ENERGY EFFICIENCY	2018	0
Vulnerability assessment of urban road network from urban flood	Singh, P; Sinha, VSP; Vijhani, A; Pahuja, N	INTERNATIONAL JOURNAL OF DISASTER RISK REDUCTION	2018	30
Sequence and functional characterization of MIRNA164 promoters from Brassica shows copy number dependent regulatory diversification among homeologs	Jain, A; Anand, S; Singh, NK; Das, S	FUNCTIONAL & INTEGRATIVE GENOMICS	2018	5
Demystifying vulnerability assessment of agriculture communities in the Himalayas: a systematic review	Shukla, R; Sachdeva, K; Joshi, PK	NATURAL HAZARDS	2018	6
Simulation Based Investigation of Deleterious nsSNPs in ATXN2 Gene and Its Structural Consequence Toward Spinocerebellar Ataxia	Sinha, S; Verma, S; Singh, A; Somvanshi, P; Grover, A	JOURNAL OF CELLULAR BIOCHEMISTRY	2018	7
Encouraging urban households to segregate the waste they generate: Insights from a field experiment in Delhi, India	Wadehra, S; Mishra, A	RESOURCES CONSERVATION AND RECYCLING	2018	8
Capturing forest dependency in the central Himalayan region: Variations between Oak (Quercus spp.) and Pine (Pinus spp.) dominated forest landscapes	Chakraborty, A; Joshi, PK; Sachdeva, K	AMBIO	2018	9
Novel Biohybrid Polysulfone Membranes with Physically Immobilized Gramicidin for Ion-Exchange Applications	Szalata, K; Pande, G; Gumi, T	INDUSTRIAL & ENGINEERING CHEMISTRY RESEARCH	2018	1
Health financing strategies to reduce out-of-pocket burden in India: a comparative study of three states	Bose, M; Dutta, A	BMC HEALTH SERVICES RESEARCH	2018	7
Optical study of ZnS nano spheres with varying amount of ethylenediamine for photovoltaic application	Pattnaik, A; Tomar, M; Gupta, V; Prasad, B; Mondal, S	INTEGRATED FERROELECTRICS	2018	0
In silico identification of molecular mimics involved in the pathogenesis of Clostridium botulinum ATCC 3502 strain	Bhardwaj, T; Haque, S; Somvanshi, P	MICROBIAL PATHOGENESIS	2018	6
Highly preserved roles of Brassica MIR172 in polyploid Brassicas: ectopic expression of variants of Brassica MIR172 accelerates floral transition	Shivaraj, SM; Jain, A; Singh, A	MOLECULAR GENETICS AND GENOMICS	2018	5
Synergistic approaches unraveling regulation and aggregation of intrinsically disordered beta-amyloids implicated in Alzheimer's disease	Kumari, A; Rajput, R; Shrivastava, N; Somvanshi, P; Grover, A	INTERNATIONAL JOURNAL OF BIOCHEMISTRY & CELL BIOLOGY	2018	6
Probing the Pyrazinamide Resistance Mechanism in Ribosomal Protein S1 (Rpsa) Mutant of Mycobacterium Tuberculosis	Singh, A; Somvanshi, P; Grover, A	PROTEIN SCIENCE	2018	0
It's not (all) about efficiency: Powering and organizing technology from a degrowth perspective	Zoellick, JC; Bisht, A	JOURNAL OF CLEANER PRODUCTION	2018	6
GaRiRO: Gradient and residual integrated rank ordering of stations in rainfall monitoring network	Kumari, M; Singh, C	EARTH SCIENCE INFORMATICS	2018	1
Valuing Treated Wastewater and Reuse: Preliminary Implications From a Meta-Analysis	Bouzit, M; Das, S; Cary, L	WATER ECONOMICS AND POLICY	2018	1
Hydro-Geochemical Assessment of Groundwater Quality in Aseer Region, Saudi Arabia	Mallick, J; Singh, CK; AlMesfer, MK; Kumar, A; Khan, RA; Islam, S; Rahman, A	WATER	2018	12

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Examining the rainfall-topography relationship using non-stationary modelling technique in semi-arid Aseer region, Saudi Arabia	Mallick, J; Singh, RK; Khan, RA; Singh, CK; Ben Kahla, N; Warrag, EI; Islam, S; Rahman, A	ARABIAN JOURNAL OF GEOSCIENCES	2018	7
Improving the quantum efficiency of the monocrystalline silicon solar cell using erbium-doped zinc sulphide nanophosphor in downshift layer	Pattnaik, A; Jha, S; Tomar, M; Gupta, V; Prasad, B; Mondal, S	MATERIALS RESEARCH EXPRESS	2018	1
Recent advancements in earth air tunnel heat exchanger (EATHE) system for indoor thermal comfort application: A review	Singh, R; Sawhney, RL; Lazarus, IJ; Kishore, VVN	RENEWABLE & SUSTAINABLE ENERGY REVIEWS	2018	36
Validation of the SARAH-E Satellite-Based Surface Solar Radiation Estimates over India	Riihela, A; Kallio, V; Devraj, S; Sharma, A; Lindfors, AV	REMOTE SENSING	2018	14
Energy and GHG accounting for wastewater infrastructure	Singh, P; Kansal, A	RESOURCES CONSERVATION AND RECYCLING	2018	22
Structural investigations on mechanism of lapatinib resistance caused by HER-2 mutants	Verma, S; Goyal, S; Kumari, A; Singh, A; Jamal, S; Grover, A	PLOS ONE	2018	3
Challenges in meeting all of India's electricity from solar: An energetic approach	Jain, S; Jain, NK; Vaughn, WJ	RENEWABLE & SUSTAINABLE ENERGY REVIEWS	2018	14
18-Year Ambient PM (2.5) Exposure and Night Light Trends in Indian Cities: Vulnerability Assessment	Pal, R; Chowdhury, S; Dey, S; Sharma, AR	AEROSOL AND AIR QUALITY RESEARCH	2018	8
Impacts of anthropogenic disturbances on forest succession in the mid-montane forests of Central Himalaya	Naudiyal, N; Schmerbeck, J	PLANT ECOLOGY	2018	2
Linking forest successional dynamics to community dependence on provisioning ecosystem services from the Central Himalayan forests of Uttarakhand	Naudiyal, N; Schmerbeck, J	ENVIRONMENTAL MANAGEMENT	2018	2
Aspartate-beta-semialdehyde dehydrogenase as a potential therapeutic target of Mycobacterium tuberculosis H37Rv: Evidence from in silico elementary mode analysis of biological network model	Khan, S; Somvanshi, P; Bhardwaj, T; Mandal, RK; Dar, SA; Wahid, M; Jawed, A; Lohani, M; Khan, M; Areeshi, MY; Haque, S	JOURNAL OF CELLULAR BIOCHEMISTRY	2018	6
Identification of Drought Occurrences Using Ensemble Predictions up to 20-Days in Advance	Shrivastava, S; Kar, SC; Sahai, AK; Sharma, AR	WATER RESOURCES MANAGEMENT	2018	5
Inhibition of C298S mutant of human aldose reductase for antidiabetic applications: Evidence from in silico elementary mode analysis of biological network model	Khan, S; Bhardwaj, T; Somvanshi, P; Mandal, RK; Dar, SA; Jawed, A; Wahid, M; Akhter, N; Lohani, M; Alouffi, S; Haque, S	JOURNAL OF CELLULAR BIOCHEMISTRY	2018	7
In silico identification of immunodominant B-cell and T-cell epitopes of non-structural proteins of Usutu Virus	Satyam, R; Janahi, EM; Bhardwaj, T; Somvanshi, P; Haque, S; Najm, MZ	MICROBIAL PATHOGENESIS	2018	3
Analysis of genetic relatedness among Indian cattle (Bos indicus) using genotyping-by-sequencing markers	Malik, AA; Sharma, R; Ahlawat, S; Deb, R; Negi, MS; Tripathi, SB	ANIMAL GENETICS	2018	7
Insight into the inhibitor discrimination by FLT3F691L	Verma, S; Singh, A; Kumari, A; Pandey, B; Jamal, S; Goyal, S; Sinha, S; Grover, A	CHEMICAL BIOLOGY & DRUG DESIGN	2018	5
Concentrating molasses distillery wastewater using biomimetic forward osmosis (FO) membranes	Singh, N; Petrinic, I; Helix-Nielsen, C; Basu, S; Balakrishnan, M	WATER RESEARCH	2018	44
Natural variation in Brassica FT homeologs influences multiple agronomic traits including flowering time, silique shape, oil profile, stomatal morphology and plant height in B. juncea	Tyagi, S; Mazumdar, PA; Mayee, P; Shivaraj, SM; Anand, S; Singh, A; Madhurantakam, C; Sharma, P; Das, S; Kumar, A; Singh, A	PLANT SCIENCE	2018	9
Vulnerability of forests in the Himalayan region to climate change impacts and anthropogenic disturbances: a systematic review	Chakraborty, A; Saha, S; Sachdeva, K; Joshi, PK	REGIONAL ENVIRONMENTAL CHANGE	2018	12
Recent developments and obstacles in the treatment of melanoma with BRAF and MEK inhibitors	Wahid, M; Jawed, A; Mandal, RK; Dar, SA; Akhter, N; Somvanshi, P; Khan, F; Lohani, M; Areeshi, MY; Haque, S	CRITICAL REVIEWS IN ONCOLOGY HEMATOLOGY	2018	21
Impact of regional climate change and future emission scenarios on surface O ₃ and PM _{2.5} over India	Pommier, M; Fagerli, H; Gauss, M; Simpson, D; Sharma, S; Sinha, V; Ghude, SD; Landgren, O; Nyiri, A; Wind, P	ATMOSPHERIC CHEMISTRY AND PHYSICS	2018	17
Alanine mutation of the catalytic sites of Pantothenate Synthetase causes distinct conformational changes in the ATP binding region	Pandey, B; Grover, S; Goyal, S; Kumari, A; Singh, A; Jamal, S; Kaur, J; Grover, A	SCIENTIFIC REPORTS	2018	11
Dynamics of fluoroquinolones induced resistance in DNA gyrase of Mycobacterium tuberculosis	Pandey, B; Grover, S; Tyagi, C; Goyal, S; Jamal, S; Singh, A; Kaur, J; Grover, A	JOURNAL OF BIOMOLECULAR STRUCTURE & DYNAMICS	2018	16
Wild-type catalase peroxidase vs G279D mutant type: Molecular basis of Isoniazid drug resistance in Mycobacterium tuberculosis	Singh, A; Singh, A; Grover, S; Pandey, B; Kumari, A; Grover, A	GENE	2018	10
Role of pncA gene mutations W68R and W68G in pyrazinamide resistance	Aggarwal, M; Singh, A; Grover, S; Pandey, B; Kumari, A; Grover, A	JOURNAL OF CELLULAR BIOCHEMISTRY	2018	20
An empirical, integrated forest biomass monitoring system	Kennedy, RE; Ohmann, J; Gregory, M; Roberts, H; Yang, ZQ; Bell, DM; Kane, V; Hughes, MJ; Cohen, WB; Powell, S; Neeti, N; Larrue, T; Hooper, S; Kane, J; Miller, DL; Perkins, J; Braaten, J; Seidl, R	ENVIRONMENTAL RESEARCH LETTERS	2018	26
Carbon dioxide emissions from the flat bottom and shallow Nam Theun 2 Reservoir: drawdown area as a neglected pathway to the atmosphere	Deshmukh, C; Guerin, F; Vongkhamsoo, A; Pighini, S; Oudone, P; Sopraseuth, S; Godon, A; Rode, W; Guedant, P; Oliva, P; Audry, S; Zouiten, C; Galy-Lacaux, C; Robain, H; Ribolzi, O; Kansal, A; Chanudet, V; Descloux, S; Serca, D	BIOGEOSCIENCES	2018	9

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Title of the paper	Name of Author	Title of the journal	Year of publication	Citation index Web of Science [9328]
Global, regional, and national age-sex-specific mortality for 282 causes of death in 195 countries and territories, 1980-2017: a systematic analysis for the Global Burden of Disease Study 2017	Roth, GA; Abate, D; Abate, KH; Abay, SM; Abbafati, C; Abbasi, N; Abbastabar, H; Abd-Allah, L; Abdela, J; Abdelalim, A; Abdollahpour, I; Abdulkader, RS; Abebe, HT; Abebe, M; Abebe, Z; Abeje, AN; Abera, SF; Abil, OZ; Abraha, HN; Abrham, AR; Abu-Raddad, LJ; Accrombessi, MMK; Acharya, D; Adamu, AA; Adebayo, O; Adedoyin, RA; Adekanmbi, V; Adookunboh, O; Adhena, BM; Adib, MG; Admasie, A; Afshin, A; Agarwal, G; Agesa, KM; Agrawal, A; Agrawal, S; Ahmadi, A; Ahmadi, M; Ahmed, MB; Ahmed, S; Aichour, AN; Aichour, I; Aichour, MTF; Akbari, ME; Akinyeniti, RO; Akseer, N; Al-Aly, Z; Al-Eyadhy, A; Al-Raddadi, RM; Alandab, F; Alam, K; Alam, T; Alebel, A; Alene, KA; Alijanzadeh, M; Alizadeh-Navaei, R; Aljunid, SM; Alkerwi, A; Alla, F; Allebeck, P; Alonso, J; Altirkawi, K; Alvis-Guzman, N; Amare, AT; Aminde, LN; Amini, E; Ammar, W; Amoako, YA; Anber, NH; Andrei, CL; Androudi, S; Animit, MD; Anjomshoa, M; Ansari, H; Aniha, MG; Antonio, CAT; Anwari, P; Aremu, O; Arnlov, J; Arora, A; Arora, M; Artaman, A; Aryal, KK; Asayesh, H; Asfaw, ET; Ataro, Z; Atique, S; Atre, SR; Ausloos, M; Avokpaho, EFGA; Awasthi, A; Quintatilla, BPA; Avele, Y; Aver, R; Azzopardi	LANCET	2018	1459
Measuring progress from 1990 to 2017 and projecting attainment to 2030 of the health-related Sustainable Development Goals for 195 countries and territories: a systematic analysis for the Global Burden of Disease Study 2017	Lozano, R; Fullman, N; Abate, D; Abay, SM; Abbafati, C; Abbasi, N; Abbastabar, H; Abd-Allah, F; Abdela, J; Abdelalim, A; Abdel-Rahman, O; Abdi, A; Abdollahpour, I; Abdulkader, RS; Abebe, ND; Abebe, Z; Abeje, AN; Abera, SP; Abil, OZ; Aboyns, V; Abraha, HN; Abrham, AR; Abu-Raddad, LJ; Abu-Rmeileh, NM; Abyu, GY; Accrombessi, MMK; Acharya, D; Acharya, P; Adamu, AA; Adebayo, OM; Adedeji, IA; Adedoyin, RA; Adekanmbi, V; Adetokunboh, O; Adhena, BM; Adhikari, TR; Adib, MG; Adou, AK; Adsuar, JC; Afarideh, M; Afshari, M; Afshin, A; Agarwal, G; Aghayan, SA; Agius, D; Agrawal, A; Agrawal, S; Ahmadi, A; Ahmadi, M; Ahmadi, F; Ahmed, MB; Ahmed, S; Akalu, TY; Akanda, AS; Akbari, ME; Akibu, M; Akinyemi, RO; Akinyemiju, T; Akseer, N; Alandab, T; Al-Aly, Z; Alam, K; Alam, T; Abujeer, A; Alebel, A; Alene, KA; Al-Eyadhy, A; Athabib, S; Ali, R; Alijanzadeh, M; Alizadeh-Navaei, R; Aljunid, SM; Alkerwi, A; Alla, F; Allebeck, P; Allen, CA; Almasi, A; Al-Maskari, F; Al-Mekhlafi, HM; Alonso, J; Al-Raddadi, RM; Alsharif, U; Altirkawi, K; Alvis-Guzman, N; Amare, AT; Amenu, K; Amini, E; Ammar, W; Anber, NH; Anderson, JA; Andrei, CL; Androudi, S; Animit, MD; Aniomshoa, M;	LANCET	2018	151
Tourists' Willingness to Pay for Restoration of Traditional Agro-forest Ecosystems Providing Biodiversity: Evidence from India	Sardana, K	ECOLOGICAL ECONOMICS	2019	3
Multicriteria decision making model of wastewater reuse: a stakeholders' perspective in the context of India	Das, S; Radhakrishnan, K	DESALINATION AND WATER TREATMENT	2019	1
Predicting groundwater arsenic contamination: Regions at risk in highest populated state of India	Bindal, S; Singh, CK	WATER RESEARCH	2019	24
Integrating value-chain approach with participatory multicriteria analysis for sustainable planning of a niche crop in Indian Himalayas	Sen, SM; Kansal, A	JOURNAL OF MOUNTAIN SCIENCE	2019	0
Pathways to institution and resource sustainability: lessons from the Forest Rights Act implementation in India	Das, S; Tyagi, N	INTERNATIONAL FORESTRY REVIEW	2019	0
Achieving water security in rural Indian Himalayas: A participatory account of challenges and potential solutions	Sen, SM; Kansal, A	JOURNAL OF ENVIRONMENTAL MANAGEMENT	2019	6
Identification of resource management domain-specific best practices in the agriculture sector for the Mewat region of Haryana, India	Mehra, M; Singh, CK	ENVIRONMENT DEVELOPMENT AND SUSTAINABILITY	2019	0
Novel pilot scale photocatalytic treatment of textile & dyeing industry wastewater to achieve process water quality and enabling zero liquid discharge	Bahadur, N; Bhargava, N	JOURNAL OF WATER PROCESS ENGINEERING	2019	13
Prevalence of apomixis in Jatropha: Is it significant?	Malik, AA; Singh, VK; Sharma, SS; Negi, MS; Tripathi, SB	BIOFUELS-UK	2019	0
Addressing water-related shocks and coping decision through enhanced community participation: case studies from Ganga basin, Uttarakhand, India	Sharma, D; Khandekar, N; Sachdeva, K	WATER POLICY	2019	0
Analyzing Social Networks to Examine the Changing Governance Structure of Springsheds: A Case Study of Sikkim in the Indian Himalayas	Sen, SM; Singh, A; Varma, N; Sharma, D; Kansal, A	ENVIRONMENTAL MANAGEMENT	2019	3

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Equity in distribution of public subsidy for noncommunicable diseases among the elderly in India: an application of benefit incidence analysis	Bose, M; Banerjee, S	BMC PUBLIC HEALTH	2019	2
Assessing national vulnerability to phosphorus scarcity to build food system resilience: The case of India	Nanda, M; Cordell, D; Kansal, A	JOURNAL OF ENVIRONMENTAL MANAGEMENT	2019	5
Efficient valorization of waste glycerol to 2,3-butanediol using <i>Enterobacter cloacae</i> TERI BD 18 as a biocatalyst	Priya, A; Lal, B	FUEL	2019	10
Exploration of Performance Kinetics and Mechanism of Action of a Potential Novel Biofloculant BF-VB2 on Clay and Dye Wastewater Flocculation	Bisht, V; Lal, B	FRONTIERS IN MICROBIOLOGY	2019	12
Assessment of genetic diversity, population structure, and phylogenetic relationships among the Northeast Indian and South Indian commercially released tea cultivars using TE-AFLP markers	Negi, MS; Sharma, SS; Bera, B; Tripathi, SB	TREE GENETICS & GENOMES	2019	0
Drug repurposing against arabinosyl transferase (EmbC) of <i>Mycobacterium tuberculosis</i> : Essential dynamics and free energy minima based binding mechanics analysis	Singh, A; Somvanshi, P; Grover, A	GENE	2019	12
Pyrazinamide drug resistance in RpsA mutant (increment 438A) of <i>Mycobacterium tuberculosis</i> : Dynamics of essential motions and free-energy landscape analysis	Singh, A; Somvanshi, P; Grover, A	JOURNAL OF CELLULAR BIOCHEMISTRY	2019	16
Livelihoods, gender and climate change in the Eastern Himalayas	Bhadwal, S; Sharma, G; Gorti, G; Sen, SM	ENVIRONMENTAL DEVELOPMENT	2019	9
The impact of distributed landuse information in hydrodynamic model application in storm surge inundation	Machineni, N; Sinha, VSP; Singh, P; Reddy, NT	ESTUARINE COASTAL AND SHELF SCIENCE	2019	1
Methodology of predicting novel key regulators in ovarian cancer network: a network theoretical approach	Malik, MZ; Chirom, K; Ali, S; Ishrat, R; Somvanshi, P; Singh, RKB	BMC CANCER	2019	4
SUPPRESSOR OF OVEREXPRESSION OF CONSTANS1 influences flowering time, lateral branching, oil quality, and seed yield in <i>Brassica juncea</i> cv. Varuna	Tyagi, S; Sri, T; Singh, A; Mayee, P; Shivaraj, SM; Sharma, P; Singh, A	FUNCTIONAL & INTEGRATIVE GENOMICS	2019	4
Comparative assessment of the therapeutic drug targets of <i>C. botulinum</i> ATCC 3502 and <i>C. difficile</i> str. 630 using in silico subtractive proteomics approach	Bhardwaj, T; Haque, S; Somvanshi, P	JOURNAL OF CELLULAR BIOCHEMISTRY	2019	2
Impact of intervention of biomass cookstove technologies and kitchen characteristics on indoor air quality and human exposure in rural settings of India	Sharma, D; Jain, S	ENVIRONMENT INTERNATIONAL	2019	28
Effect of metal oxide redox state in red mud catalysts on ketonization of fast pyrolysis oil derived oxygenates	Weber, J; Thompson, A; Wilmoth, J; Batra, VS; Janulaitis, N; Kastner, JR	APPLIED CATALYSIS B- ENVIRONMENTAL	2019	17
Improving Nigeria's renewable energy policy design: A case study approach	Gungah, A; Emodi, NV; Dioha, MO	ENERGY POLICY	2019	14
Solar photovoltaics pumps operating head selection for the optimum efficiency	Yadav, K; Kumar, A; Sastry, OS; Wandhare, R	RENEWABLE ENERGY	2019	8
An assessment for the selection of weather profiles for performance testing of SPV pumps in Indian climate	Yadav, K; Kumar, A; Sastry, OS; Wandhare, R	SOLAR ENERGY	2019	3
Probabilistic predictions of the Indian monsoon rainfall in below-normal category using NMME global model products	Shrivastava, S; Kar, SC; Sharma, AR	THEORETICAL AND APPLIED CLIMATOLOGY	2019	1
A Water Soluble Single Walled Carbon Nanotube Aryl Aziridino Carboxylic Acid Decorated Mn (II) Complex Increased Root Growth in <i>Arabidopsis thaliana</i>	Thakur, SK; Goswami, K; Bhattacharjee, S; Soni, U; Guchhait, P; Eswaran, SV	CHEMISTRYSELECT	2019	1
A detailed experimental analysis of air steam gasification in a dual fired downdraft biomass gasifier enabling hydrogen enrichment in the producer gas	Ram, NK; Singh, NR; Raman, P; Kumar, A; Kaushal, P	ENERGY	2019	3
Electrochemical sulfur production from treating petroleum produced water	Jain, P; Srikanth, S; Kumar, M; Sarma, PM; Singh, MP; Lal, B	JOURNAL OF WATER PROCESS ENGINEERING	2019	5
Association of Inflammatory Bowel Disease with Arthritis: Evidence from In Silico Gene Expression Patterns and Network Topological Analysis	Verma, A; Somvanshi, P; Haque, S; Rathi, B; Sharda, S	INTERDISCIPLINARY SCIENCES-COMPUTATIONAL LIFE SCIENCES	2019	6
Field testing of over 30,000 wells for arsenic across 400 villages of the Punjab plains of Pakistan and India: Implications for prioritizing mitigation	van Geen, A; Farooqi, A; Kumar, A; Khattak, JA; Mushtaq, N; Hussain, I; Ellis, T; Singh, CK	SCIENCE OF THE TOTAL ENVIRONMENT	2019	19
Solar PV mini-grids versus large-scale embedded PV generation: A case study of Uttar Pradesh (India)	Bhattacharyya, SC; Palit, D; Sarangi, GK; Srivastava, V; Sharma, P	ENERGY POLICY	2019	10
Genistein Modulates Signaling Pathways and Targets Several Epigenetic Markers in HeLa Cells	Sundaram, MK; Unni, S; Somvanshi, P; Bhardwaj, T; Mandal, RK; Hussain, A; Haque, S	GENES	2019	6
Hydropower development in the Hindu Kush Himalayan region: Issues, policies and opportunities	Hussain, A; Sarangi, GK; Pandit, A; Ishaq, S; Mammun, N; Ahmad, B; Jamil, MK	RENEWABLE & SUSTAINABLE ENERGY REVIEWS	2019	17
Indian electricity sector, energy security and sustainability: An empirical assessment	Sarangi, GK; Mishra, A; Chang, YH; Taghizadeh-Hesary, F	ENERGY POLICY	2019	14
HHV-5 epitope: A potential vaccine candidate with high antigenicity and large coverage	Kumar, N; Singh, A; Grover, S; Kumari, A; Dhar, PK; Chandra, R; Grover, A	JOURNAL OF BIOMOLECULAR STRUCTURE & DYNAMICS	2019	11
Structural basis for isoniazid resistance in KatG double mutants of <i>Mycobacterium tuberculosis</i>	Rabha, A; Singh, A; Grover, S; Kumari, A; Pandey, B; Grover, A	MICROBIAL PATHOGENESIS	2019	1
Dewatering of sewage for nutrients and water recovery by Forward Osmosis (FO) using divalent draw solution	Singh, N; Dhiman, S; Basu, S; Balakrishnan, M; Petrinic, I; Helix-Nielsen, C	JOURNAL OF WATER PROCESS ENGINEERING	2019	20
Influence of Forward Osmosis (FO) membrane properties on dewatering of molasses distillery wastewater	Singh, N; Petrinic, I; Helix-Nielsen, C; Basu, S; Balakrishnan, M	JOURNAL OF WATER PROCESS ENGINEERING	2019	5

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Title of the paper	Name of Author	Title of the journal	Year of publication	Citation index Web of Science [9328]
Investigation of Precise Molecular Mechanistic Action of Tobacco-Associated Carcinogen 'NNK' Induced Carcinogenesis: A System Biology Approach	Anukriti; Dhasmana, A; Uniyal, S; Somvanshi, P; Bhardwaj, U; Gupta, M; Haque, S; Lohani, M; Kumar, D; Ruokolainen, J; Kesari, KK	GENES	2019	3
A qualitative comparative analysis of women's agency and adaptive capacity in climate change hotspots in Asia and Africa	Rao, N; Mishra, A; Prakash, A; Singh, C; Qaisrani, A; Poonacha, P; Vincent, K; Bedelian, C	NATURE CLIMATE CHANGE	2019	11
Novel missense mutations in gidB gene associated with streptomycin resistance in Mycobacterium tuberculosis: insights from molecular dynamics	Pandey, B; Grover, S; Goyal, S; Jamal, S; Singh, A; Kaur, J; Grover, A	JOURNAL OF BIOMOLECULAR STRUCTURE & DYNAMICS	2019	3
Electrode material properties for designing effective microbial electrosynthesis systems	Sharma, M; Alvarez-Gallego, Y; Achouak, W; Pant, D; Sarma, PM; Dominguez-Benetton, X	JOURNAL OF MATERIALS CHEMISTRY A	2019	16
Farmer typology to understand differentiated climate change adaptation in Himalaya	Shukla, R; Agarwal, A; Gornott, C; Sachdeva, K; Joshi, PK	SCIENTIFIC REPORTS	2019	4
Climate change perception: an analysis of climate change and risk perceptions among farmer types of Indian Western Himalayas	Shukla, R; Agarwal, A; Sachdeva, K; Kurths, J; Joshi, PK	CLIMATIC CHANGE	2019	22
Isolation, Purification, and Characterization of Heparinase from Streptomyces variabilis MTCC 12266	Singh, V; Haque, S; Kumari, V; El-Enshasy, HA; Mishra, BN; Somvanshi, P; Tripathi, CKM	SCIENTIFIC REPORTS	2019	1
Is adaptation success a flawed concept?	Dilling, L; Prakash, A; Zommers, Z; Ahmad, F; Singh, N; de Wit, S; Nalau, J; Daly, M; Bowman, K	NATURE CLIMATE CHANGE	2019	29
Feasibility analysis for ethanol blended fuel in India	Sujata; Kaushal, P	BIOFUELS-UK	2020	1
Homeologs of Brassica SOCL1, a central regulator of flowering time, are differentially regulated due to partitioning of evolutionarily conserved transcription factor binding sites in promoters	Sri, T; Gupta, B; Tyagi, S; Singh, A	MOLECULAR PHYLOGENETICS AND EVOLUTION	2020	2
Exploring sustainable energy transitions in sub-Saharan Africa residential sector: The case of Nigeria	Dioha, MO; Kumar, A	RENEWABLE & SUSTAINABLE ENERGY REVIEWS	2020	8
Phosphorous recovery from septic tank liquor: Optimal conditions and effect of tapered velocity gradient	Goel, S; Kansal, A	JOURNAL OF CLEANER PRODUCTION	2020	1
Geochemistry and associated human health risk through potential harmful elements (PHEs) in groundwater of the Indus basin, India	Kumar, A; Roy, SS; Singh, CK	ENVIRONMENTAL EARTH SCIENCES	2020	2
Arsenic enrichment in groundwater and associated health risk in Bari doab region of Indus basin, Punjab, India	Kumar, A; Singh, CK	ENVIRONMENTAL POLLUTION	2020	14
Adoption of grid-connected solar rooftop systems in the state of Jammu and Kashmir: A stakeholder analysis	Dutta, A; Das, S	ENERGY POLICY	2020	0
Standing up for forest: A case study on Baiga women's mobilization in community governed forests in Central India	Tyagi, N; Das, S	ECOLOGICAL ECONOMICS	2020	0
Energy consumption behavior: A data-based analysis of urban Indian households	Thapar, S	ENERGY POLICY	2020	1
Addressing uncertainty in extreme rainfall intensity for semi-arid urban regions: case study of Delhi, India	Chaudhuri, RR; Sharma, P	NATURAL HAZARDS	2020	1
Exploring the energy system impacts of Nigeria's Nationally Determined Contributions and low-carbon transition to mid-century	Dioha, MO; Kumar, A	ENERGY POLICY	2020	0
Sustainable energy pathways for land transport in Nigeria	Dioha, MO; Kumar, A	UTILITIES POLICY	2020	2
Exploring greenhouse gas mitigation strategies for agriculture in Africa: The case of Nigeria	Dioha, MO; Kumar, A	AMBIO	2020	2
Recovery of resources from end-of-life passenger cars in the informal sector in India	Sharma, L; Pandey, S	SUSTAINABLE PRODUCTION AND CONSUMPTION	2020	6
Managing agricultural vulnerability to phosphorus scarcity through bottom-up assessment of regional-scale opportunities	Nanda, M; Kansal, A; Cordell, D	AGRICULTURAL SYSTEMS	2020	0
Microporous carbon from cashew nutshell pyrolytic biochar and its potential application as CO2 adsorbent	Garg, S; Das, P	BIOMASS CONVERSION AND BIREFINERY	2020	3
Production of hydrogen and carbon nanotubes via catalytic thermo-chemical conversion of plastic waste: review	Sharma, SS; Batra, VS	JOURNAL OF CHEMICAL TECHNOLOGY AND BIOTECHNOLOGY	2020	4
Environmental life cycle assessment of construction and demolition waste recycling: A case of urban India	Jain, S; Singhal, S; Pandey, S	RESOURCES CONSERVATION AND RECYCLING	2020	18
Bleomycin modulates amyloid aggregation in beta-amyloid and hLAPP	Kumari, A; Sharma, R; Shrivastava, N; Somvanshi, P; Grover, A	RSC ADVANCES	2020	5
Role of higher education in the sustainability of water resources: an assessment of institutions in India	Kansal, A; Venkatesh, G	WATER POLICY	2020	0
Perform or wither: role of water users' associations in municipalities of Nepal	Singh, S; Shrestha, K; Hamal, M; Prakash, A	WATER POLICY	2020	0
Assessing the role of osmolytes on the conformational harmony of islet amyloid polypeptide	Kumari, A; Sharma, R; Somvanshi, P; Grover, A	INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES	2020	1
A critical review of studies related to construction and computation of Sustainable Development Indices	Kwatra, S; Kumar, A; Sharma, P	ECOLOGICAL INDICATORS	2020	17
Ameliorating amyloid aggregation through osmolytes as a probable therapeutic molecule against Alzheimer's disease and type 2 diabetes	Kumari, A; Somvanshi, P; Grover, A	RSC ADVANCES	2020	2
Cost of electricity banking under open-access arrangement: A case of solar electricity in India	Jain, S; Jain, NK	RENEWABLE ENERGY	2020	2
Molecular mechanism of acetoacetyl-CoA enhanced kinetics for increased bioplastic production from Cupriavidus necator 428	Singh, A; Das, M; Grover, A	JOURNAL OF BIOMOLECULAR STRUCTURE & DYNAMICS	2020	10

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Title of the paper	Name of Author	Title of the journal	Year of publication	Citation index Web of Science [9328]
Household Energy Poverty Index for India: An analysis of inter-state differences	Gupta, S; Gupta, E; Sarangi, GK	ENERGY POLICY	2020	2
Surfactant-modified titania for cadmium removal and textile effluent treatment together being environmentally safe for seed germination and growth of <i>Vigna radiata</i>	Das, P; Bahadur, N; Dhawan, V	ENVIRONMENTAL SCIENCE AND POLLUTION RESEARCH	2020	1
Modeling Hydrological Processes in Ungauged Snow-Fed Catchment of Western Himalaya	Grover, S; Tayal, S; Beldring, S; Li, H	WATER RESOURCES	2020	3
Microalga <i>Scenedesmus bijugus</i> : Biomass, lipid profile, and carotenoids production in vitro	Minhas, AK; Barrow, CJ; Hodgson, P; Adholeya, A	BIOMASS & BIOENERGY	2020	0
Spatial stochastic model for predicting soil organic matter using remote sensing data	Mallick, J; Ahmed, M; Alqadhi, SD; Falqi, II; Parayangat, M; Singh, CK; Rahman, A; Ijyas, T	GEOCARTO INTERNATIONAL	2020	1
Heavy metal pollution in surface water of the Upper Ganga River, India: human health risk assessment	Prasad, S; Saluja, R; Joshi, V; Garg, JK	ENVIRONMENTAL MONITORING AND ASSESSMENT	2020	2
Research article Factors impacting wind and solar power sectors in India: A survey-based analysis	Thapar, S; Sharma, S	SUSTAINABLE PRODUCTION AND CONSUMPTION	2020	5
Regulation of groundwater arsenic concentrations in the Ravi, Beas, and Sutlej floodplains of Punjab, India (vol 276, pg 384, 2020)	Kumar, A; Singh, CK; Bostick, B; Nghiem, A; van Geen, A; Mailloux, B	GEOCHIMICA ET COSMOCHIMICA ACTA	2020	0
Genome-wide analysis of the U-box E3 ubiquitin ligase enzyme gene family in tomato	Sharma, B; Taganna, J	SCIENTIFIC REPORTS	2020	3
Carbon quantum dots intercalated in polypyrrole (PPy) thin electrodes for accelerated energy storage	Malik, R; Lata, S; Soni, U; Rani, P; Malik, RS	ELECTROCHIMICA ACTA	2020	1
Modelling Agriculture, Forestry and Other Land Use (AFOLU) in response to climate change scenarios for the SAARC nations	Singh, RK; Sinha, VSP; Joshi, PK; Kumar, M	ENVIRONMENTAL MONITORING AND ASSESSMENT	2020	7
Elucidating potential molecular signatures through host-microbe interactions for reactive arthritis and inflammatory bowel disease using combinatorial approach	Verma, A; Sharda, S; Rathi, B; Somvanshi, P; Pandey, BD	SCIENTIFIC REPORTS	2020	0
Phosphorus Dopant Diffusion, Activation, and Annealing. Using Infrared Laser for Synthesis of n-Type Silicon Thin Film	Hossion, MA; Mondal, S; Arora, BM	JOURNAL OF RUSSIAN LASER RESEARCH	2020	0
Host-induced silencing of the Colletotrichum gloeosporioides conidial morphology 1 gene (CgCOM1) confers resistance against Anthracnose disease in chilli and tomato	Mahto, BK; Singh, A; Pareek, M; Rajam, MV; Dhar-Ray, S; Reddy, PM	PLANT MOLECULAR BIOLOGY	2020	1
Tide-rainfall flood quotient: an incisive measure of comprehending a region's response to storm-tide and pluvial flooding	Mohanty, MP; Sherly, MA; Ghosh, S; Karmakar, S	ENVIRONMENTAL RESEARCH LETTERS	2020	4
Carcinogenic risk from exposure to PM2.5 bound polycyclic aromatic hydrocarbons in rural settings	Sharma, D; Jain, S	ECOTOXICOLOGY AND ENVIRONMENTAL SAFETY	2020	4
Construction and demolition waste recycling: Investigating the role of theory of planned behavior, institutional pressures and environmental consciousness	Jain, S; Singhal, S; Jain, NK; Bhaskar, K	JOURNAL OF CLEANER PRODUCTION	2020	9
Comprehensive treatment scheme for distillery wastewater targeting recovery of water, antioxidant compounds and biogas	Singh, N; Basu, S; Balakrishnan, M	JOURNAL OF WATER PROCESS ENGINEERING	2020	1
Reflectance based semi-empirical model to determine nature and metamorphic grade of almora group of rocks, Kumaon (Lesser) Himalaya	Roy, SS; Sinha, LK; Singh, CK	GEOCARTO INTERNATIONAL	2020	0
Assessing the role of advanced cooking technologies to mitigate household air pollution in rural areas of Solan, Himachal Pradesh, India	Arora, P; Rehman, IH; Suresh, R; Sharma, A; Sharma, D; Sharma, A	ENVIRONMENTAL TECHNOLOGY & INNOVATION	2020	0
Impacts of Vegetation and Topography on Land Surface Temperature Variability over the Semi-Arid Mountain Cities of Saudi Arabia	Bindajam, AA; Mallick, J; AlQadhi, S; Singh, CK; Hang, HT	ATMOSPHERE	2020	7
Epigallocatechin gallate inhibits HeLa cells by modulation of epigenetics and signaling pathways	Sundaram, MK; Haque, S; Somvanshi, P; Bhardwaj, T; Hussain, A	3 BIOTECH	2020	0
Spatial variations of heavy metal contamination and associated risks around an unplanned landfill site in India	Johar, P; Singh, D; Kumar, A	ENVIRONMENTAL MONITORING AND ASSESSMENT	2020	0
Regulation of groundwater arsenic concentrations in the Ravi, Beas, and Sutlej floodplains of Punjab, India	Kumar, A; Singh, CK; Bostick, B; Nghiem, A; Mailloux, B; van Geen, A	GEOCHIMICA ET COSMOCHIMICA ACTA	2020	6
Dual inhibition of SARS-CoV-2 spike and main protease through a repurposed drug, rutin	Kumari, A; Rajput, VS; Nagpal, P; Kukrety, H; Grover, S; Grover, A	JOURNAL OF BIOMOLECULAR STRUCTURE & DYNAMICS	2020	3
Synthesis of Chlorinated, Heteroatom-Rich and Differently Fused Tricyclic beta-Lactams by Cu(I)-Catalyzed Halogen Atom Transfer Radical Cyclization	Dawra, N; Ram, RN; Thakur, SK	CHEMISTRYSELECT	2020	0
Reduction in black carbon concentration and its exposure in rural settings of Northern India: An intervention analysis	Sharma, D; Jain, S	CHEMOSPHERE	2020	3
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