



National Conference on 'Big Geospatial Data: Analytics, Modelling & Applications' 25-26 September 2019



(Venue: Punjab Remote Sensing Centre, Ludhiana)

ID	Title	Theme	Mode of Presentation
BiGMAP2019_101	Response of zero tillage sown wheat (<i>Triticum aestivum</i> L.) to different dates of sowing in Amritsar	Agriculture and Soils	Poster
BiGMAP2019_102	A geospatial assessment on creeks of Mumbai, India: an impact of urbanization	SMART urbanization and Rural Development Planning	Oral
BiGMAP2019_103	Android based mobile app (Surface Water Resources Information System): A need of the hour	Open Source, Mobile Apps and Crowd Sourcing Data Management	Oral
BiGMAP2019_105	Appraisal of human health risk by ingestion of groundwater using GIS in Ludhiana (Punjab)	Water Resources Management and Geological Studies	Poster
BiGMAP2019_106	Agriculture Monitoring System using near-real time satellite data	Open Source, Mobile Apps and Crowd Sourcing Data Management	Oral
BiGMAP2019_107	Determining and mapping of soil erodibility index for Nongpoh Watershed	Agriculture and Soils	Oral
BiGMAP2019_108	Smart Education using Earth Data (SEED) for natural resource conservation	Natural Resources and Environment Management	Oral
BiGMAP2019_109	Kriti for Asset Management - Case study of Optical fiber mapping in India	SMART urbanization and Rural Development Planning	Oral
BiGMAP2019_110	Asset Audits using Mobile apps - Case studies from Delhi and Telangana	Open Source, Mobile Apps and Crowd Sourcing Data Management	Oral
BiGMAP2019_111	Smartout web cartography API	Open Source, Mobile Apps and Crowd Sourcing Data Management	Poster
BiGMAP2019_112	An Integration of object and rule based classification of very high resolution data-set	Earth Observation Sensors and Data Processing: Thermal, Microwave and Hyperspectral	Oral
BiGMAP2019_113	Assessment of land suitability and land capability for agriculture in Barmer, Rajasthan	Agriculture and Soils	Oral
BiGMAP2019_114	Object-based approach for shadow region enhancements in ultra-high resolution UAV datasets	UAV Data Processing and Applications	Oral
BiGMAP2019_115	Downsampling MODIS Land Surface Temperature	Earth Observation Sensors and Data Processing: Thermal, Microwave and Hyperspectral	Oral
BiGMAP2019_116	Estimation of daily reference evapotranspiration using AQUACROP and CROPWAT models for Raipur region of Chhattisgarh, india	Agriculture and Soils	Poster
BiGMAP2019_117	Utilization of groundwater assessment and modelling of groundwater behaviour in the area between Ganga and Hindon Rivers in Uttar Pradesh	Water Resources Management and Geological Studies	Poster
BiGMAP2019_118	Canopy Height Retrieval using PolInSAR Coherence Optimization Technique	Natural Resources and Environment Management	Oral

BiGMAP2019_119	Study of floral biodiversity and its ecological parameters in Musa Bagh Forest Area, Lucknow Applying Remote Sensing and GIS Techniques	Natural Resources and Environment Management	Oral
BiGMAP2019_120	Impact assessment of canal irrigation on crop acreage in Bhognipur branch command of lower Ganga canal system using remote sensing and GIS techniques	Agriculture and Soils	Oral
BiGMAP2019_121	Identification of urban heat island due to rapid growth of urbanization using time series remotely sensed data	SMART urbanization and Rural Development Planning	Oral
BiGMAP2019_122	Natural Resources Management : Need of Hour	Natural Resources and Environment Management	Poster
BiGMAP2019_123	Machine learning based growth stage classification of sugarcane crop through hyperspectral signatures	Big Data Analytics	Oral
BiGMAP2019_124	Analysis of aerosol optical depth with increasing urban sprawl in Kanpur district Uttar Pradesh, India	Weather, Climate Change and Modelling	Oral
BiGMAP2019_125	Change detection of land use land cover- A case study on Kadakola subwatershed	Natural Resources and Environment Management	Oral
BiGMAP2019_128	Evaluating automated endmember extraction for classifying hyperspectral data & deriving spectral parameters for monitoring vegetation health	Earth Observation Sensors and Data Processing: Thermal, Microwave and Hyperspectral	Oral
BiGMAP2019_129	Spatial prediction of soil properties in a himalayan watershed using random forest model - A case study	Agriculture and Soils	Oral
BiGMAP2019_130	Recent trend analysis of terrestrial primary productivity in India Using MODIS datasets	Agriculture and Soils	Oral
BiGMAP2019_131	Development and evaluation of a weighing type micro Lysimeter for soilless cultivation under naturally ventilated greenhouse conditions	Agriculture and Soils	Poster
BiGMAP2019_132	Evaluation of ecosystem services at cadastral level using Geoinformatics and remote sensing techniques	SMART urbanization and Rural Development Planning	Oral
BiGMAP2019_133	Assessment of sedimentation rate and revised capacity of Bargi Reservoir using Remote Sensing	Water Resources Management and Geological Studies	Oral
BiGMAP2019_134	GIS mapping of dry wells in Karnal, Haryana	Water Resources Management and Geological Studies	Poster
BiGMAP2019_135	Chlorophyll retrieval using AVIRIS-NG derived hyperspectral indices	Earth Observation Sensors and Data Processing: Thermal, Microwave and Hyperspectral	Oral
BiGMAP2019_137	Comparison of Sentinel 2a fused AVIRIS airborne data and EO-1 Hyperion satellite data for mineral mapping	Big Data Analytics	Oral

BiGMAP2019_138	Comparative analysis of supervised classifiers in crop type discrimination using AVIRIS-NG	Agriculture and Soils	Oral
BiGMAP2019_139	Bidirectional reflectance distribution function (BRDF) properties of snow in Indian Himalayan conditions, obtained using field spectral radiometer (350 -2500 nm)	Earth Observation Sensors and Data Processing: Thermal, Microwave and Hyperspectral	Poster
BiGMAP2019_140	Impact of irrigation in Lalitpur district Uttar Pradesh, India using remote sensing & GIS technique	Agriculture and Soils	Oral
BiGMAP2019_142	Geo-Spatial approach on crop cutting experiment (CCE) optimization	Agriculture and Soils	Oral
BiGMAP2019_143	Estimation of particulate matter 2.5 using satellite based AOD Measurements	Weather, Climate Change and Modelling	Poster
BiGMAP2019_145	Mapping the biomass of Orchha wildlife sanctuary from remotely sensed data.	Natural Resources and Environment Management	Poster
BiGMAP2019_146	Impact Assessment of Extreme events on Changing Land Use / Land Cover: A case study of Mandakini Catchment	Natural Resources and Environment Management	Oral
BiGMAP2019_147	Google Earth Engine – A Planetary Scale Geospatial Data Analysis Tool	Big Data Analytics	Oral
BiGMAP2019_148	Extension of corporation boundary- A Remote Sensing and GIS approach	SMART Urbanization and Rural Development Planning	Oral
BiGMAP2019_149	Semantic segmentation of roads from satellite image using convolution neural network	Big Data Analytics	Oral
BiGMAP2019_150	WEBLIN: An Open Source Web Based GIS Tool for Lineament Analysis	Open Source, Mobile Apps and Crowd Sourcing Data Management	Oral
BiGMAP2019_151	Utilization of geo-spatial technologies for assessment of the status of traditional water harvesting systems in Karnataka	Water Resources Management and Geological Studies	Poster
BiGMAP2019_152	Autoregressive time series model for the assessment of runoff in upper Sewani watershed of Damodar catchment	Water Resources Management and Geological Studies	Poster
BiGMAP2019_153	Soil moisture estimation and validation using Sentinel 1 data over Bhopal region	Earth Observation Sensors and Data Processing: Thermal, Microwave and Hyperspectral	Oral
BiGMAP2019_154	Inventorization of <i>Azadirachta indica</i> A. Juss and <i>Cassia fistula</i> L. in Guru Nanak Dev University, Amritsar, Punjab.	Natural Resources and Environment Management	Poster
BiGMAP2019_155	Assessment of reservoir sedimentation using temporal SAR data	Water Resources Management and Geological Studies	Oral
BiGMAP2019_156	A GIS based study for the spatial distribution of micronutrients in soils of Amritsar District, Punjab.	Agriculture and Soils	Poster
BiGMAP2019_157	Determination of heavy metal contents in agricultural soils of South Punjab, India	Agriculture and Soils	Oral

BiGMAP2019_158	SPI Utility: An open-source tool for calculation of Standardized Precipitation Index	Open Source, Mobile Apps and Crowd Sourcing Data Management	Oral
BiGMAP2019_159	Dynamics of waterlogging and drainage congestion in Kosi fan	Water Resources Management and Geological Studies	Poster
BiGMAP2019_160	Multicriteria land suitability evaluation for crop diversification in South-west Punjab	Agriculture and Soils	Poster
BiGMAP2019_161	Comparison of spectral indices for detecting the Potato Late Blight Disease	Agriculture and Soils	Oral
BiGMAP2019_162	Tectonic displacement after Kermanshah earthquake in Iran measured using DInSAR technique	Water Resources Management and Geological Studies	Oral
BiGMAP2019_163	Big Data and Climate Change Research: Opportunities and challenges	Big Data Analytics	Oral
BiGMAP2019_164	Long - term variability in evapotranspiration and water productivity of maize in central and sub-mountainous Punjab	Agriculture and Soils	Oral
BiGMAP2019_165	Spatial Variability of Normalized Difference Snow Index and Normalized Difference Glacier Index with Land Surface Temperature over Uttarakhand Region	Weather, Climate Change and Modelling	Oral
BiGMAP2019_167	Assessing long-term surface water change in Uttarakhand using Google Earth Engine and GIS	Big Data Analytics	Oral
BiGMAP2019_168	Polarimetric parameter assessment for agricultural applications	Earth Observation Sensors and Data Processing: Thermal, Microwave and Hyperspectral	Oral
BiGMAP2019_169	Simulating the effect of climate change on wheat using WOFOST and DSSAT under different emission pathways in Punjab	Weather, Climate Change and Modelling	Oral
BiGMAP2019_170	Quantitative assessment of bioconcentration of Cr in wheat grains collected from Ropar Wetland, Punjab and its Surrounding Areas	Agriculture and Soils	Poster
BiGMAP2019_171	Spatial and Temporal Drought analysis based on CHIRPS Rainfall data derived Standardized Precipitation Index (SPI) over Gujarat-India	Weather, Climate Change and Modelling	Oral
BiGMAP2019_172	Mapping spatial variability of soil properties at village level	Agriculture and Soils	Oral
BiGMAP2019_173	GIS aided spatial groundwater quality assessment for drinking purpose in Kurukshetra District, Haryana	Water Resources Management and Geological Studies	Poster
BiGMAP2019_175	ANN-GIS based statistical approach for landslide hazard zonation in Morni, Nahan Salient, North-Western Himalaya, India	Big Data Analytics	Oral

BiGMAP2019_176	Geospatial Bigdata Cataloguing, Analytics and Map Services; Odisha Spatial Data Infrastructure (OSDI) an initiative towards making a Geospatial Bigdata for the State of Odisha and providing demand-based services to the User Departments of Government of Odisha.	Big Data Analytics	Oral
BiGMAP2019_177	Geospatial technologies in water resource management	Water Resources Management and Geological Studies	Poster
BiGMAP2019_178	Extraction and comparison of lineaments from satellite SAR imagery acquired in two different bands in general area Jahajpur, Bhilwara District, Rajasthan	Earth Observation Sensors and Data Processing: Thermal, Microwave and Hyperspectral	Oral
BiGMAP2019_179	Comparison of multispectral and airborne hyperspectral imagery for predicting soil properties in Gujarat	Agriculture and Soils	Oral
BiGMAP2019_180	Spatial distribution and risk assessment of heavy metals in surface water from Satluj river in Indian Punjab	Water Resources Management and Geological Studies	Poster
BiGMAP2019_182	Utilisation of C-BAND dual PolSAR backscatter for analysis of soil moisture variation	Earth Observation Sensors and Data Processing: Thermal, Microwave and Hyperspectral	Oral
BiGMAP2019_183	Climate data mining using machine learning techniques	Weather, Climate Change and Modelling	Poster
BiGMAP2019_184	Cryptocurrency ban in India	Open Source, Mobile Apps and Crowd Sourcing Data Management	Poster
BiGMAP2019_185	GIS-Based Disaster Management	Open Source, Mobile Apps and Crowd Sourcing Data Management	Poster
BiGMAP2019_186	Evaluate the LST-NDVI relationship in Raipur City, India	Earth Observation Sensors and Data Processing: Thermal, Microwave and Hyperspectral	Oral
BiGMAP2019_187	Site suitability evaluation for mulberry based sericulture development - A case study of northern district (Gurdaspur) of Punjab	Agriculture and Soils	Poster
BiGMAP2019_188	Real-Time Data Acquisition and Visualization from an Open Government Data Platform through API	Open Source, Mobile Apps and Crowd Sourcing Data Management	Oral
BiGMAP2019_193	Study of Trends and Change in the Frequency of Meteorological Drought (1968–2018) over Indian Region	Weather, Climate Change and Modelling	Oral
BiGMAP2019_194	Utilization of ISRO's SCATSAT-1 ku Band Scatterometer data for Agriculture	Earth Observation Sensors and Data Processing: Thermal, Microwave and Hyperspectral	Oral
BiGMAP2019_195	Citizen-centric geo-spatial web-service for industrial and infrastructure development initiatives in Odisha state, India	Open Source, Mobile Apps and Crowd Sourcing Data Management	Oral
BiGMAP2019_196	Time Series analysis of Impact of watershed development using Remote Sensing and GIS.	Water Resources Management and Geological Studies	Poster

BiGMAP2019_197	Estimating sand mining impacts on LULC: A Remote Sensing Approach	Natural Resources and Environment Management	Oral
BiGMAP2019_198	Analysis and change detection of hydrological, ecological and human activities in a watershed using Geoinformatic Techniques	Natural Resources and Environment Management	Poster
BiGMAP2019_199	SMART mega public event management through GIS	SMART Urbanization and Rural Development Planning	Oral
BiGMAP2019_201	Analysis of Soil Quality at Cadastral level using Geospatial techniques: A case study of Khushalipur village, Saharanpur district, Uttar Pradesh	Agriculture and Soils	Poster
BiGMAP2019_202	Assessment and Modelling of Heavy Metals in Agricultural Soils of Bathinda using IDW Interpolation technique	Agriculture and Soils	Oral
BiGMAP2019_203	Study of spectral indices and their impact on land surface temperature in Bathinda district of Punjab, India using geospatial technology	Weather, Climate Change and Modelling	Oral
BiGMAP2019_204	e-CLU: An e-governance initiative for Land use Change Management	SMART urbanization and Rural Development Planning	Oral
BiGMAP2019_205	Crop harvesting and sensor based yield monitoring using combine harvester	Agriculture and Soils	Poster
BiGMAP2019_206	Large scale mapping and investigation of correlation between RMRb and CSMR: Case study from NW Himalaya, India	Water Resources Management and Geological Studies	Oral
BiGMAP2019_207	Effect of weather variables on development of Ascochyta blight (<i>Ascochyta rabiei</i> (Pass.) Labr.) of chickpea	Agriculture and Soils	Poster
BiGMAP2019_208	Impact and adaptation of climate change on sugarcane production in Punjab	Agriculture and Soils	Poster
BiGMAP2019_209	Decoding the role of UAVs in Forestry	UAV Data Processing and Applications	Poster
BiGMAP2019_210	Future of Farming with Augmented Reality	Agriculture and Soils	Poster
BiGMAP2019_211	Long Term Temperature Data Analysis of Patiala District, Punjab	Weather, Climate Change and Modelling	Poster
BiGMAP2019_212	A comparative Study of Free and Enterprise Framework for Web Application Development	Open Source, Mobile Apps and Crowd Sourcing Data Management	Poster
BiGMAP2019_213	Application of WEPP Model For Runoff And Sediment Yield Simulation From Ungauged Watershed In Shivalik Foothills	Water Resources Management and Geological Studies	Oral
BiGMAP2019_214	Spatio temporal change analysis of Harike wetland in Punjab using Remote Sensing & GIS	Water Resources Management and Geological Studies	Oral
BiGMAP2019_215	Morphometric analysis of a Choharkhad micro-watershed using GIS	Water Resources Management and Geological Studies	Poster

BiGMAP2019_217	The distribution of uranium in groundwater in the Barnala and its adjoining districts in Central part of Malwa region, Punjab, India.	Water Resources Management and Geological Studies	Poster
BiGMAP2019_218	Impact assessment of landuse change on runoff and sediment yield of a watershed using RS, GIS and WEPP model	Water Resources Management and Geological Studies	Oral
BiGMAP2019_219	Application of Geographical Information System to study the socio-economic infrastructural facilities in the Kandi region of Punjab	SMART urbanization and Rural Development Planning	Oral
BiGMAP2019_220	Rainfall variability analysis in lower Shivalik region of Punjab, India	Weather, Climate Change and Modelling	Oral
BiGMAP2019_221	Horticultural crop estimation and developmental planning in India using satellite remote sensing under the CHAMAN project	Agriculture and Soils	Oral
BiGMAP2019_222	Groundwater depletion in Punjab: A Spatial Analysis	Water Resources Management and Geological Studies	Poster
BiGMAP2019_247	Temporal Analysis of land use/land cover changes in Jalandhar District of Punjab using Remote Sensing and GIS Techniques	Natural Resources and Environment Management	Oral
BiGMAP2019_258	Developing WebGIS for monitoring of epilepsy	Open Source, Mobile Apps and Crowd Sourcing Data Management	Poster
BiGMAP2019_259	Estimation of water quality parameters of Satlujr river in Punjab using Sentinel 2 satellite data	Water Resources Management and Geological Studies	Oral
BiGMAP2019_264	Day time fog estimation from INSAT-3D Imager observations	Weather, Climate Change and Modelling	Oral
BiGMAP2019_265	Effect of Pressmud Based Biocompost on soil properties and Micronutrient Uptake by Sunflower in a Vertiso	Agriculture and Soils	Poster
BiGMAP2019_266	Response of Potato (Solanum Tuberosum L.) to Gibberellic acid and Integrated potassium management	Agriculture and Soils	Poster
BiGMAP2019_268	Artificial intelligence potential in resolving the issues and challenges pertaining in the urbanization	Big Data Analytics	Oral
BiGMAP2019_269	Impact of Data Localisation requirement on Digital Economy	Open Source, Mobile Apps and Crowd Sourcing Data Management	Poster
BiGMAP2019_270	An Android based automated solution for urban planning	Open Source, Mobile Apps and Crowd Sourcing Data Management	Oral
BiGMAP2019_271	Implementation of Different Maps API along with Android	Open Source, Mobile Apps and Crowd Sourcing Data Management	Poster
BiGMAP2019_272	Fisheries profile and its spatial distribution in the River Ganga from Haridwar to Patna, India	Natural Resources and Environment Management	Oral

BiGMAP2019_273	Is really rainfall changing in India? GIS evaluation of long term rainfall data	Weather, Climate Change and Modelling	Oral
BiGMAP2019_274	Landslide Hazard Zonation Using Satellite remote sensing and GIS Technology	Water Resources Management and Geological Studies	Oral
BiGMAP2019_275	Spatio- Temporal Fire trend and burning pattern of Punjab using Modis Active fire data	Agriculture and Soils	Oral
BiGMAP2019_276	Sustainable Livelihood Security Index – A Tool to Identify Future Needs	SMART urbanization and Rural Development Planning	Oral
BiGMAP2019_277	Trends in Surface Ice Velocity of Zemu Glacier- Annual and Decadal Perspective	Water Resources Management and Geological Studies	Poster
BiGMAP2019_278	Identifying the Hot Spots of Dengue Fever Incidence in Punjab using Spatial Statistics	Natural Resources and Environment Management	Oral
BiGMAP2019_279	Water Quality of Upper Patiala-Ki-Rao Stream Located on Shivalik Hills	Water Resources Management and Geological Studies	Oral
BiGMAP2019_280	Factors controlling the difference between organic carbon measured by wet oxidation and dry combustion method in salt-affected soils	Agriculture and Soils	Oral
BiGMAP2019_282	Essential Geospatial Python Libraries	Open Source, Mobile Apps and Crowd Sourcing Data Management	Oral
BiGMAP2019_286	Identification of Soil Erosion Prone Zones Using Revised Universal Soil Loss Equation (RUSLE) Model and Geo-Spatial Technology. A Case Study of Upper Tuirial Watershed, Mizoram.	Agriculture and Soils	Oral
BiGMAP2019_287	Irrigation and residue mulch effects on productivity and water and nitrogen economy of Bt cotton in north-west India	Agriculture and Soils	Poster
BiGMAP2019_288	Impact of deep tillage and irrigation regimes on land and water productivity of maize-wheat system	Agriculture and Soils	Poster