



National Conference on Role of Geospatial Technologies to Bridge the Rural and Urban Divide



Organized by
Punjab Remote Sensing Centre, Ludhiana
in collaboration with
Indian Society of Geomatics-Ludhiana Chapter

VENUE: Punjab Remote Sensing Centre, Ludhiana, Punjab, India
21-23 February, 2018 (21st Feb-Tutorials; 22nd & 23rd Feb-Conference)

MINUTE-TO-MINUTE PROGRAMME FOR INAUGURAL SESSION

09.30 AM	:	Arrival of the Chief Guest and dignitaries on dias
09.30-09.40	:	Welcome by Director, PRSC
09.40-10.00	:	Address by Guest of Honour, Director-IIRS/ISRO, Dehradun
10.00-10.15	:	Addl. PCCF-cum-CEO, Orissa Remote Sensing Applications Centre, Bhubneshwar
10.15-10.45	:	Address by the Chief Guest S. NAVJOT SINGH SIDHU, HON'BLE MINISTER Local Govt., Tourism & Cultural Affairs and Archives & Museum, Govt. of Punjab
10.45-11.00	:	Presidential Address Distinguished Scientist Director, SAC/ISRO and President, ISG, Ahmedabad
11.00-11.10	:	Vote of Thanks - Secretary, ISG (Ludhiana Chapter)

INAUGURATION OF EXHIBITION BY THE HON'BLE CHIEF GUEST

11.10-11.30

BREAK FOR HIGH TEA & NETWORKING

TENTATIVE PROGRAMME

PLENARY SESSION

Auditorium PRSC

11:30-11:50	Dr. A. Senthil Kumar	
11:50-12:10	Dr. Sandeep Tripathi	
12:10-12:30	Dr. S.S. Ray, Director, MNCFC, New Delhi	Operational Remote Sensing Applications in Agriculture
12:30-12:50	Dr. K.R. Manjunath, Scientist SG, ISRO	Indian Earth Observations Programme Satellite Missions and Applications
12:50-13:10	Dr. Prakash Chauhan SAC Ahmedabad, Scientist G, Group Director, SAC, Ahmedabad	Space Based Monitoring of Air Pollution
13:10-13:30	Dr. Markand Oza Head DWD/VRG/EPISA, SAC-ISRO	VEDAS: A Geoportal for EO Applications

FOLLOWED BY CONCLUDING REMARK

13:30-14:30

LUNCH

14:30- 16:00

TECHNICAL SESSION-I, II & III (PARALLEL)

Auditorium PRSC	Advances in Geomatics and ITeS Session Speaker: Dr. Markand Oza Head DWD/VRG/EPISA, SAC-ISRO	Oral Presentations: (PRSC-IT-1,3,4,5,8,9,10,11)
Training Hall PRSC	Urban and Rural Planning and Development Session Speaker: Dr. Hemant Kumar, Principal Scientific Officer, Karnataka State Council for Sci and Te	Oral Presentations: (PRSC-RUP-1,2,4,5); (PRSC-URP-4,5,6,7,8,9)
Committee Room PRSC	Policy, Planning, and Governance & Education Session Speaker: Dr. Sandeep Goyal, Senior Principal Scientist, MPCOST	Oral Presentations: (PRSC-POL-1,2,3,4,5,6); (PRSC-EDU-1,2); (PRSC-HLT-2); (PRSC-TOU-1)

16:00-16:15

TEA

16:15- 17:45

TECHNICAL SESSION-IV, V & VI (PARALLEL)

Auditorium PRSC	Agriculture and Allied Fields – I Session Speaker: Dr. Shashikant A. Sharma	Oral Presentations: (PRSC-AGR-28,1,3,4,6,7,9,15,19,23)
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Committee Room PRSC Climate
Session Speaker: Dr. Vinay Sehgal
Professor and Principal Scientist IARI Oral Presentations: (PRSC-AGR-10,11,12,21); (PRSC-CLI-2,8,9,14,15,20)

Training Hall PRSC Ecology, Environment and Forestry
Session Speaker: Dr. R.P.Singh, SAC Ahmedabad Oral Presentations: (PRSC-CLI-1,3,7,10,13,16,17,18,19)

18:30- 20:00

CULTURAL PROGRAMME

AUDITORIUM PRSC

FOLLOWED BY DINNER

Day 2: February 23, 2018

9:00- 11:00

TECHNICAL SESSION-VII, VIII & IX; POSTER SESSION (PARALLEL)

Auditorium PRSC

Agriculture and Allied Fields – II
Session Speaker: Dr. Ajit Singh Nain

Oral Presentations: (PRSC-AGR-16, 24, 25, 26, 29, 30, 31, 32, 35)

Committee Room PRSC

Natural Resources
Session Speaker: Dr. A.S. Rajawat,
Group Director, SAC

Oral Presentations: (PRSC-NAT-2, 4, 8, 10, 22, 23, 24, 25, 26); (PRSC-CLI-21)

Training Hall PRSC

Water Resources
Session Speaker: ML Angurala

Oral Presentations: (PRSC-CLI-6); (PRSC-NAT-3, 5, 9, 12, 13, 14, 16, 19); (PRSC-HLT-1)

PRSC Lawns

Poster Session

Presentations: (PRSC-IT-2, 6, 7); (PRSC-RUP-3,6); (PRSC-CLI-4, 5, 11, 12,22,23); (PRSC-URP-1, 2, 3); (PRSC-AGR-2, 5, 13, 14, 17, 18, 20, 22, 27, 33,34,36); (PRSC-NAT-1, 6, 7, 11, 15,17,18,20,27,28,29)

11:00-11:30

TEA

11:30- 13:00

INDUSTRY SESSION

Auditorium PRSC

13:00-14:00

LUNCH

14:00- 15:30

CLOSING CEREMONY

AUDITORIUM PRSC

FOLLOWED BY TEA

Day 1: 22 February, 2018

TIME & VENUE		EVENT
11:30- 13:30 at Auditorium PRSC		PLENARY SESSION
Chair: Dr. A. Senthil Kumar, Director IIRS, Dehradun Co- Chair: Dr. Sandeep Tripathi, Pricipal Chief Conservator of Forest, ORSAC		Session Coordinator: Dr. Anil Sood
TIME	SPEAKER	TITLE
11:30-11:50	Dr. A. Senthil Kumar	
11:50-12:10	Dr. Sandeep Tripathi	
12:10-12:30	Dr. S.S. Ray, Director, MNCFC, New Delhi	Operational Remote Sensing Applications in Agriculture
12:30-12:50	Dr. K.R. Manjunath, Scientist SG, ISRO	Indian Earth Observations Programme Satellite Missions and Applications
12:50-13:10	Dr. Prakash Chauhan SAC Ahmedabad, Scientist G, Group Director, SAC, Ahmedabad	Space Based Monitoring of Air Pollution
13:10-13:30	Dr. Markand Oza Head DWD/VRG/EPSA, SAC-ISRO	VEDAS: A Geoportal for EO Applications
FOLLOWED BY CONCLUDING REMARK		

Day 1: 22 February, 2018

TIME & VENUE	EVENT
14:30- 16:00 at Auditorium PRSC	TECHNICAL SESSION –I Advances in Geomatics and ITeS
Chair: Dr. Markand Oza Head DWD/VRG/EPISA, SAC-ISRO Co- Chair: Dr. M.P. Sharma, Scientist G, HARSAC	Session Coordinator: Sh. P. K. Litoria
SESSION SPEAKER (15 Minutes) Dr. Markand Oza Head DWD/VRG/EPISA, SAC-ISRO	TITLE
ORAL PRESENTATIONS (10 Minutes each)	
Paper ID	TITLE & AUTHOR
PRSC-IT-1	Geoinformatics Technique for land use land cover change analysis a case study of Mohali tehsil, Punjab. Gurvinder Singh, Sunil Nehra, Ajit Kumar Yadav
PRSC-IT-3	Applications of Blockchain for Land Record Management. Hitesh Gupta, Harpinder Singh, Amardeep Singh, P.K. Litoria, Brijendra Pateriya
PRSC-IT-4	Effect of Resolution on image analysis for change detection using different indexes derived from Landsat and Sentinel satellite data. Gaurav Singhal
PRSC-IT-5	NoSQL – HANDLING BIG GEOSPATIAL DATA. Kanika Sharma, Rajwinder Kaur, P.K. Litoria, Brijendra Pateriya
PRSC-IT-8	Artificial Intelligence for Agriculture based on Technology and Applications. Mandeep Kumar, Anil Sood, Brijendra Pateriya
PRSC-IT-9	Spatial Data Translation and Transformation with FME. Dheeraj Gambhir
PRSC-IT-10	Cryptocurrency and its effect on the Environment. Amardeep Singh, Hitesh Gupta, Harpinder Singh, P K Litoria, Brijendra Pateriya
PRSC-IT-11	Comparative Analysis of Hyperspectral and Multispectral Image Fusion Techniques. Prarthna Dhingra, Asfa Siddiqui

Day 1: 22 February, 2018

TIME & VENUE		EVENT	
14:30- 16:00 Committee room PRSC		TECHNICAL SESSION –II Urban and Rural Planning and Development	
Chair: Dr. Hemant Kumar, Principal Scientific Officer, Karnataka State Council for Sci and Te Co- Chair:		Session Coordinator: Mrs. Reenu Sharma	
SESSION SPEAKER Dr. Hemant Kumar	TITLE Karnataka Geospatial for Natural Resource management		
ORAL PRESENTATIONS			
Paper ID	TITLE & AUTHOR		
PRSC-RUP-1	Land Information System --- A case study of Mundian Village. Balwan, Rashpal, Navdeep, J.P. Sharma, Simerjit, Lakhvir, Reenu Sharma, Ajay Mathur, B. Pateriya		
PRSC-RUP-2	Issues in cadastral mapping. Lakhvir Singh, Reenu Sharma, Ajay Mathur, Brijendra Pateriya		
PRSC-RUP-4	Spatial assessment of water usability at village level using geospatial technologies in Himachal Pradesh. Tanu Kumari, Sharda Singh, Kunal Sood, Vaibhav Kalia, Arun Kaushal, Ranbir Singh Rana		
PRSC-RUP-5	Assets & Natural resources mapping using geospatial techniques in Huzurabad assembly constituency, Telangana state. Aswini Kumar Das, P. Prakash, Jagadisha Tripathy, G. Sreenivasa Reddy		
PRSC-URP-4	Emergence of New Census Towns: A Comparative Analysis of Punjab and Karnataka (2001-2011). Anuradha Shahu, Milap Punia		
PRSC-URP-5	Geospatial Technologies as an aid to Decision Support System (DSS) for assessment of Urban Tank encroachments in GHMC areas of Hyderabad. G. Venkataramaiah, K. Sreenivasulu, G. Srinivasareddy		
PRSC-URP-6	E-Road - A Mobile Application for Road Surface Quality Control. Nidhi Kundu, Ajeet Singh, R.S. Hooda		
PRSC-URP-7	Determining Population Distribution for Vulnerability Assessment. Pratima Singh		
PRSC-URP-8	MUNICIPAL SOLID WASTE MANAGEMENT & NETWORK ANALYSIS FOR VARANASI CITY. Upendra Bhai Patel, B.L. Teli		
PRSC-URP-9	Smart idea for Smart City using Geospatial Technology: a Realistic Approach. Ankur Sharma, Nidhi Kundu, M.P. Sharma, R.S. Hooda		
PRSC-NAT-26	Estimation of Construction Volume for Village, Town and City using Geospatial Technology – A Case Study of Punjab State. Rakesh Paliwal, Shaikh Suraj Ismail, S. Srinivasa Rao		

Day 1: 22 February, 2018

TIME & VENUE	EVENT	
14:30- 16:00 at Training Hall PRSC	TECHNICAL SESSION –III Policy, Planning, and Governance & Education	
Chair: Dr. Sandeep Goyal, Senior Principal Scientist, MPCOST Co- Chair: Dr. Vibhu Sarin, Scientist SG, RSAC-UP		Session Coordinator: Dr. R. K. Setia
SESSION SPEAKER	TITLE	
Dr. Sandeep Goyal		
ORAL PRESENTATIONS		
Paper ID	TITLE & AUTHOR	
PRSC-POL-1	Developing a WebGIS based Information System: A case study of energy sector. Sagar Chhugani, Shweta Mishra, Gaurav Jain	
PRSC-POL-2	Election management using geospatial technology. Simerjit, Balwan, Pardeep Kumar, Lakhvir, Harmanpreet, Ramandeep, Kashish, Aman, Reenu Sharma, Ajay Mathur, P.K.Litoria, B. Pateriya	
PRSC-POL-3	A case study for site suitability analysis for proposed Gorakhpur atomic power plant site. Sanchita Pandey, Nidhi Kundu, Ajeet Singh, R.S. Hooda	
PRSC-POL-4	Cadastral Mapping using Very High Resolution Satellite Images: Haryana Experience. Nidhi Kundu, Sultan Singh, R.S. Hooda	
PRSC-POL-5	Analysis of Terrorism Locations in J&K using Geo-Spatial Techniques. Rahul Jain, Siddhartha Khare	
PRSC-POL-6	Crime Hotspot Analysis Of Jalandhar City By Using Geospatial Computer Technology. Baljit Kaur	
PRSC-EDU-1	TechGIS- A Web based GIS for Technical Education in Punjab. Nitin Dhir, Shaveta Lamba, Simranjeet Singh, Sagar Taneja, Harpinder Singh, R Setia, B Pateriya	
PRSC-EDU-2	Decision tree based approach for the Quality Assessment of OpenStreetMap Data. Jasmeet Kaur	
PRSC-HLT-2	A spatial statistical approach to epilepsy mapping. Randhir Singh, Suman, R Setia, Gagandeep Singh, Sarit Sharma, Anurag Chowdhury, R K Bansal, Ajay Mathur, B Pateriya	
PRSC-TOU-1	Problems and Prospects of tourism industry in Chandigarh. Manpreet Kaur Mann	

Day 1: 22 February, 2018

TIME & VENUE		EVENT	
16:15- 17:45 Auditorium PRSC		TECHNICAL SESSION –IV Agriculture and Allied Fields - I	
Chair: Dr. Prakash Chauhan Co- Chair: Dr. Shashikant A. Sharma		Session Coordinator: Dr. Anil Sood	
SESSION SPEAKER Dr. Shashikant A. Sharma		TITLE	
ORAL PRESENTATIONS			
Paper ID	TITLE & AUTHOR		
PRSC-AGR-28	Paddy Area estimation using Sentinel-1 VV data: A Case study for Tamil Nadu State. Varunika Jain, Neetu, S. S. Ray		
PRSC-AGR-1	Non-parametric Crop System Identification using LISS-3 Satellite Data. Pankti Gorji, Ujjwal Gupta, Markand Oza, Chintan Thacker		
PRSC-AGR-3	Identification of Soil salinity Change detection by Remote Sensing and GIS Techniques: a case study in the Jaunpur District, U.P.. Shashank Tripathi, Dhananjay Singh		
PRSC-AGR-4	"Determination of agriculture land suitability using GIS and multi criteria approach: A case study of Chikodi taluk, Karnataka". Santosh Chougale, Krishnaiah C, Praveen G. Deshbhandari		
PRSC-AGR-6	MONITORING & ASSESSMENT OF WETLAND THROUGH REMOTE SENSING AND GIS TECHNIQUE BETWEEN 2011-12 & 2016-17. R.K. Upadhyay, S.P.S. Jadaun, Narendra Kumar, Ashutosh Singh, Vaishali Sharma, Arif Ahmad		
PRSC-AGR-7	Monitoring Rice Stubble Burning for Ten Major Growing Districts of Haryana. Manoj Yadav, Nidhi Kundu, Satyawana, Saroj, Chander Sekhar, R. S. Hooda		
PRSC-AGR-9	Forecasting of NDVI Values based on Statistical and Advanced Machine Learning Methods. Vidit Shah, Ujjwal Gupta, Markand Oza		
PRSC-AGR-15	In-season diagnosis of plant nitrogen status of rice using ground and satellite remote sensing. Rojalin Tripathy, B. B. Vashisht		
PRSC-AGR-19	Factors limiting production of vegetable crops under protective structures. Mahesh Chand Singh, K. G. Singh, J. P. Singh		
PRSC-AGR-23	Mapping Spatial Variability of Soil Health Under Agricultural Production System of Himachal Pradesh. N.K. Sankhyan, Ranbir Singh Rana, Vaibhav Kalia, Sanjay Kumar Sharma, Pradeep Kumar, Kunal Sood, Arun Kaushal		

Day 1: 22 February, 2018

TIME & VENUE	EVENT	
<p>16:15- 17:45 Training Hall PRSC</p>	<p>TECHNICAL SESSION – V Ecology, Environment and Forestry</p>	
<p>Chair: Dr. R.P.Singh, SAC Ahmedabad Co- Chair:</p>		<p>Session Coordinator: Dr. D.C. Loshali</p>
<p>SESSION SPEAKER Dr. R.P.Singh SAC Ahmedabad</p>	<p>TITLE Recent Trends in Satellite Based Hydrological Applications</p>	
<p>ORAL PRESENTATIONS</p>		
<p>Paper ID</p>	<p>TITLE & AUTHOR</p>	
<p>PRSC-CLI-1</p>	<p>Outliers Detection and Treatment in Time-series Data. Dipannita Kar, Haresh Chande, Rajendra N. Gaikwad</p>	
<p>PRSC-CLI-3</p>	<p>Iron ore mining impact assessment on the Saranda forest, Jharkhand using multi-temporal satellite dataset. Shanti Shwarup Mahto, Anuj Prakash Kushwaha</p>	
<p>PRSC-CLI-7</p>	<p>Drought Condition Assessment in the State of Haryana Using Various Satellite Based Indicators. Ridham Kakar, Dharmendra Singh, Manoj Yadav, Hardeep Singh Sheoran</p>	
<p>PRSC-CLI-10</p>	<p>A web-based GIS application for mapping the plant biodiversity of NIIT University (Neemrana). Siddharth Swain, Pronoy Dey, Nayaz Shaik, Avantika Sharma, Siddhartha Khare</p>	
<p>PRSC-CLI-13</p>	<p>Correlation Analysis of Landfill Temperature, Air Temperature and Rainfall using Landsat TM5 Data of Gazipur, Bhalswa and Okhla Landfill sites in Delhi, India. Sumit Kumar, Sanjay Kumar Ghosh</p>	
<p>PRSC-CLI-16</p>	<p>Satellite based particulate matter monitoring using Satellite and Ground Observations. Sowjanya Jangam, Biswadip Gharai</p>	
<p>PRSC-CLI-17</p>	<p>Evaluation of Landsat 8 satellite data for assessing heavy metal contamination in Satluj river, India. Simranjeet Singh, Shaveta Lamba, Randhir Singh, Nitin Dhir, Sagar Taneja, S S Dhaliwal, R Setia, S S Kukal, B Pateriya</p>	
<p>PRSC-CLI-18</p>	<p>Carbondioxide Emission from Saline, Sodic and Saline- Sodic Soils. Manju Sharma, Ravinder Pal Singh, R Setia, B Pateriya</p>	
<p>PRSC-CLI-19</p>	<p>Spatio-temporal Dynamics of Surface Urban Heat Island in Bathinda city, India. Atin Majumder, R Setia, P K Kingra, Priyonath Adhikary, Som Pal Singh, B Pateriya</p>	

Day 1: 22 February, 2018

TIME & VENUE		EVENT
16:15- 17:45		TECHNICAL SESSION –VI
Committee room		Climate
Chair: Dr. Vinay Sehgal Professor and Principal Scientist IARI Co- Chair: Dr. V.J. Ganveer, Scientist SC, RSAC-UP		Session Coordinator: Dr. Sompal Singh, Prof. School of Climate Change and Agrometeorology, PAU
SESSION SPEAKER		TITLE
Dr. Vinay Sehgal		Mapping Climatic Risks Using Geospataial Technologies
ORAL PRESENTATIONS		
Paper ID	TITLE & AUTHOR	
PRSC-AGR-10	Role of microclimatic modifications in managing climate change impact on maize in central Punjab. Harleen Kaur, P.K. Kingra, Som Pal Singh	
PRSC-AGR-11	Microclimate and spectral reflectance of wheat under thermal and nutrient stresses. Sukhjeet Kaur, Som Pal Singh, P K Kingra, Anil Sood	
PRSC-AGR-12	Effect of Climate Change on Agricultural Productivity. Mohit Husain, Dinesh Kumar Vishwakarma, P.S. Chauhan, Manoj Kumar Sharma	
PRSC-AGR-21	Climate change and crop production: A review. Navneet Kaur, Manmohanjit Singh, Sukhjeet Kaur	
PRSC-CLI-2	Temperature surface generation using INSAT satellite data and IMD data. Punit K. Patel, Shivangi Surati, Ujjwal gupta	
PRSC-CLI-8	Trend analysis of atmospheric temperature and trace gases over Indian region using satellite data. Pooja Jindal	
PRSC-CLI-9	Climate change impacts and grassland. Mohit Husain, S. N. Zaffar Geelani, Arshid Mughal, Dinesh Kumar Vishwakarma	
PRSC-CLI-14	Ozone variability on its precursors and other influencing atmospheric parameters. Vijay Kumar Sagar	
PRSC-CLI-15	Spatial analysis of land use and land cover changes on microclimate of Harike wetland, India. Sagar Taneja, R Setia, B Pateriya	
PRSC-CLI-20	ZONWISE ESTIMATION OF CARBON EMISSIONS IN PUNJAB. Samanpreet Kaur	

DAY 2: 23 February, 2018

TIME & VENUE		EVENT
9:00- 11:00 Auditorium PRSC		TECHNICAL SESSION –VII Agriculture and Allied Fields - II
Chair: Dr. Ajit Singh Nain, Professor and Head Agrometeorology, Pantnagar Co- Chair: Dr. R.K. Upadhyay, Scientist SC, RSAC-UP		Session Coordinator: Dr. (Mrs.) Minakshi
SESSION SPEAKER Dr. Ajit Singh Nain	TITLE Geospatial Technology Based Precision Farming for Enhancing Farm Productivity	
ORAL PRESENTATIONS		
Paper ID	TITLE & AUTHOR	
PRSC-AGR-16	Monitoring Paddy Residue Burning through Satellite Remote Sensing in Punjab. Amanpreet Kaur Benipal, Yashmeet Kaur, Vishal Singh, Anil Sood, Brijendra Pateriya, GS Gill	
PRSC-AGR-24	NDVI prediction using time series of agro-meteorological data. Neha sharma, Sarvesh Palria	
PRSC-AGR-25	GEO-SPATIAL MAPPING AND ESTIMATION OF DISTRICT WISE SURFACE AREA FOR SUSTAINABLE LAND MANAGEMENT IN HIMACHAL PRADESH. Vaibhav Kalia, Ranbir Singh Rana, R.M. Bhagat, Kunal Sood, Arun Kaushal, Sharda Singh	
PRSC-AGR-26	Identification of Potential Culturable Wastelands Sites for Sericulture Development at Plot/Village level using Remote Sensing & GIS Techniques. S.P.S Jadaun, R.K. Upadhyay, Narendra Kumar, Atul Mishra, Rajiva Mohan	
PRSC-AGR-29	Assessment of Satellite derived indices, Weather and Soil based proxy variable for pixel level yield estimation. S. K Dubey, A.S. Gavli, Prashant Rajankar, Indal Ramteke and S.S. Ray	
PRSC-AGR-30	Evaluation of Satellite based Operational Agricultural Drought Assessment System of India. Karan Choudhary, P. K. Bisen, Meghavi Prasnani, R. Saxena, S.K. Singh, S. Mamatha, Preeti Tahlani, C.S Murthy, Chandrasekar K, S. S. Ray	
PRSC-AGR-31	Satellite based approach for yield estimation using Monteith equation: A case study for major mustard growing states of India.. Shalini Saxena, S. Yadav, R. Tripathy, K. N. Chaudhari, Neetu, S.S. Ray	
PRSC-AGR-32	Detection of bacterial wilt disease (<i>Pseudomonas solanacearum</i>) in Brinjal using hyperspectral remote sensing. Aditi Srivastava, Shreya Roy, M. M. Kimothi, S. Mamatha and S.S. Ray	
PRSC-AGR-35	Incorporation of Remotely Sensed LAI in Meteorological Model for Predicting Wheat Yield of Nainital District, Uttarakhand. Pawan Mall, A.S. Nain	

DAY 2: 23 February, 2018

TIME & VENUE		EVENT	
9:00- 11:00 Committee room PRSC		TECHNICAL SESSION –VIII Natural Resources	
Chair: Dr. A.S. Rajawat Co- Chair:		Session Coordinator: Dr. V. K. Verma	
SESSION SPEAKER Dr. A.S. Rajawat Group Director, SAC		TITLE Synergetic use of Radar and Optical Data in Geoarchaeological Investigation with Particular Reference to lost Saraswati River	
ORAL PRESENTATIONS			
Paper ID	TITLE & AUTHOR		
PRSC-NAT-2	SITE SUITABILITY ANALYSIS FOR ESTABLISHING SOIL AND WATER CONSERVATION STRUCTURES USING GEOINFORMATICS - A CASE STUDY OF CHINNAR WATERSHED, TAMIL NADU, INDIA. Tushar Lohar, K Balasubramani		
PRSC-NAT-4	Urban Flood Risk Zoning using Geoinformatics: A Case Study of Vadodara City. Harsh D. Patel, Gaurav V. Jain, Suvarna D. Shah		
PRSC-NAT-8	Numerical study on sediment transport in irrigation Channels. Kapil Rohilla, Nidhi Kundu		
PRSC-NAT-10	Estimation of Leaf Interception losses over the forest dominated region of central India. Dharmendra Singh, Darshana Duhan		
PRSC-NAT-22	Karnataka Geoportal for Natural Resource Management. H Hemanth Kumar		
PRSC-NAT-23	Assessment of Crop Water Demand in North-East Punjab. Amina Raheja, Samanpreet Kaur, Chetan Singla, Rajan Aggarwal		
PRSC-NAT-24	Geospatial Analysis of Groundwater Resources in relation to Agricultural Crop Efficiency in Semi-Arid Regions of Rajasthan. B.K. Bhadra, Rakesh Paliwal, S. Srinivasa Rao		
PRSC-NAT-25	Remote Sensing Techniques for delineation of Sutlej Palaeochannels in Punjab and its Possible Linkage with 'Vedic Saraswati River'. B. K. Bhadra, Anup Dutta, S. Srinivasa Rao		
PRSC-CLI-21	Wasteland Change Analysis in S.A.S. Nagar (Mohali) District of Punjab using Remote Sensing and GIS Techniques. Indrajit Pal, D.C. Loshali, Brijendra Pateriya		

DAY 2: 23 February, 2018

TIME & VENUE		EVENT
9:00- 11:00 Training room PRSC		TECHNICAL SESSION –IX Water Resources
Chair: Dr. B.K. Bhadra, Scientist SG, NRSC, ISRO Co- Chair: Mr. M.L. Angurala, Senior Hydrogeologist		Session Coordinator: Dr. Samanpreet
SESSION SPEAKER Mr. M.L. Angurala		TITLE Aquifer mapping: A Tool for Sustainable Management of Water Resources
ORAL PRESENTATIONS		
Paper ID	TITLE & AUTHOR	
PRSC-CLI-6	Water quality monitoring over Narmada river. Atri Dave	
PRSC-NAT-3	Identification of Groundwater Potential Zone using Geoinformatics in part of Mandakini River Basin, Chitrakoot, India. Santosh Kumar, Ram Moorat Singh, Ravi Chaurey, Rakesh Dubey, Anoop K Patel	
PRSC-NAT-5	Effect of Infiltration on Degradation in Irrigated Channels. Kapil Rohilla	
PRSC-NAT-9	Future projections of seasonal precipitation using statistical downscaling techniques in Tons River Basin, India. Darshana Duhan, Dharmendra Singh, Arvind	
PRSC-NAT-12	Modelling for shape and volume of wetted soil under point source drip irrigation. Dinesh Kumar Vishwakarma, Kusum Pandey, Mohit Husain	
PRSC-NAT-13	Study of Uranium Content in Ground Water and its Associated Age-Dependent Radiation Dose in Amritsar, Gurdaspur and Pathankot districts of NE Punjab, India.. Tanu Sharma, Arvesh Sharma, Inderpreet Kaur, R.K.Mahajan, P.K.Litoria, B.S.Bajwa	
PRSC-NAT-14	MEASUREMENTS OF URANIUM AND PHYSICO-CHEMICAL PARAMETERS IN UNDERGROUND WATER OF TEHSIL PATTI, DISTRICT TARAN TARAN, PUNJAB. Archana, Nisha Sharma, Sakshi, Jaspal Singh	
PRSC-NAT-16	FLOOD RISK ASSESSMENT OF TEESTA BASIN USING RAINFALL-RUNOFF MODEL. Priyanka Tripathy, V.V. Govind Kumar	
PRSC-NAT-19	Spatio-temporal patterns of agricultural intensification and groundwater resource depletion in eastern part of Jhunjhunu district of Rajasthan, India. Nimish Narayan Gautam, Ritesh Kumar	
PRSC-HLT-1	Spatial prediction, seasonal variations and potential health risk assessment of As in groundwater of Kapurthala and Jalandhar districts, Punjab, India. Priyonath Adhikary, Sashikanta Sahoo, Pradeep Litoria, Brijendra Pateriya	

DAY 2: 23 February, 2018

TIME & VENUE		EVENT
16:15- 17:45 (PRSC Lawns)		POSTER SESSION
Evaluation Committee:		Session Coordinator: Sh. Harpinder Singh
POSTERS		
Paper ID	TITLE & AUTHOR	
PRSC-IT-2	IoT based Framework for Industrial Air Pollution Monitoring. Harpinder Singh, Hitesh Gupta, Pradeep K. Litoria, Brijendra Pateriya	
PRSC-IT-6	HD Maps & Automatic Vehicles. Munish sambyal, Sonam Verma, Niketa Singla, Paramjit Kumar, P.K. Litoria, B. Paterita	
PRSC-IT-7	Use of Drones in Agriculture. Taranjot Singh Bhatia, Taranpreet Singh Gulati, P.K. Litoria, Brijendra Pateriya	
PRSC-RUP-3	Land use /land cover change detection using Geoinformatics: a block level study of Panipat district. Ravindra Prawasi, Saroj, MP Sharma, Om Pal, Ajeet Singh, Ankur Sharma	
PRSC-RUP-6	Geo-informatics based Database Creation and Management of Panchayat level Infrastructural Assets: A Case Study of Pakhowal Block, Ludhiana. Shivani Singh, Sunil Nehra, Birinder Kaur, V.K. Verma, B. Pateriya	
PRSC-CLI-4	CHANGE DETECTION STUDY FOR DESERTIFICATION USING REMOTE SENSING AND GIS - CHAMOLI DISTRICT, UTTARAKHAND. S.D. Dhargawe, Sonam Binjola, N. S Gahlod, Manish Parmar, V.S. Arya	
PRSC-CLI-5	USE OF REMOTE SENSING AND GIS IN MONITORING WATER QUALITY- A CASE STUDY OF FATEH SAGAR LAKE, UDAIPUR (RAJASTHAN), INDIA. Parul Bhalla, Sarvesh Palria	
PRSC-CLI-11	Analysis of the impact of Land use/Land cover change on Land Surface Temperature with Remote Sensing and GIS. Neeta Chauhan, Sarvesh Palria	
PRSC-CLI-12	Identification and Demarcation of Aravali Plantation Area of Bhiwani District Using Geo-Informatics Technology. Ritu Sharma, Nidhi Kundu, Sultan Singh, R.S. Hooda	
PRSC-CLI-22	Land Use Land Cover Change Analysis Using Remote Sensing and GIS Techniques in Doaba Region of Punjab. Sumit Kumar, Gourango Prasad Dutta, D.C. Loshali, Brijendra Pateriya	
PRSC-CLI-23	Forest Cover Change Analysis in S.A.S. Nagar District of Punjab Using Geospatial Techniques. Kaptan Singh, Indrajit Pal, D.C. Loshali, Brijendra Pateriya	
PRSC-URP-1	Geospatial Applications in City Sewage Management: a case study of Arvi, Wardha. Bishwadip Sengupta, Ritesh Vijay, S.K. Maiti	

PRSC-URP-2	Analysis of Urban Sprawl in Proposed Smart Cities of Madhya Pradesh using Shannon's Entropy. Navneet Roshan, Gaurav V. Jain, Alok Saini
PRSC-URP-3	Monitoring Urban growth of Kanpur City using multi remote sensing data. Sunita Choudhary, Gaurav V. Jain, Rajesh Upadhyay
PRSC-AGR-2	MONITORING & ANALYSIS OF SODICLAND & ITS DYNAMICS USING REMOTE SENSING AND GIS TECHNIQUES IN UNNAO DISTRICT, UTTAR PRADESH, INDIA. Dhananjay Singh, Vaishali Sharma
PRSC-AGR-5	TEMPORAL VARIATION OF CROPPED AREA ESTIMATION DURING CROPPING SEASON IN LOWER GANGA CANAL COMMAND AREA FROM 2011-12 TO 2016-17 USING REMOTE SENSING AND GIS TECHNIQUES. Rajesh Kumar Upadhyay, Narendra Kumar, S.P.S. Jadaun, Dhananjay Singh, Vaishali Sharma
PRSC-AGR-13	Physical and Chemical Properties of soils under Mid Hill Humid Conditions of North West Himalayas. Ravinder Kumar, S.S. Paliyal
PRSC-AGR-14	Spatial Variability Maps Of Available Macronutrients And Physico-Chemical Properties Of Cold Arid Soils Of North-Westren Himalaya India. Ravinder Kumar, S.S. Paliyal
PRSC-AGR-17	Mapping Horticultural Crops in Fazilka District. Prabha Kumari, Amanjot Kaur, Anil Sood, Arvind Kumar, Brijendra Pateriya
PRSC-AGR-18	Role of Genetic Algorithm in agricultural implementation. Ravneet Kaur, P.K. Litoria, Brijendra Pateriya
PRSC-AGR-20	MANAGEMENT OF HEAT STRESS IN WHEAT (<i>Triticum aestivum</i> L.): A review. Bikramjeet Singh, Sukhjeet Kaur, Navneet Kaur
PRSC-AGR-22	LAND COVER CLASSIFICATION AND DIGITAL ELEVATION MODEL FOR CROP PLANNING AND MANAGEMENT IN HIMACHAL PRADESH, INDIA. Ranbir Singh Rana, Vaibhav Kalia, Kunal Sood, Arun Kaushal, Sharda Singh, R.M. Bhagat
PRSC-AGR-27	Pre Harvest Acreage Estimation of Cotton Crop in Punjab. Arvind Kumar, Anil Sood, Ranjodh Singh Bains, Deepak Chaudhary, Brijendra Pateriya
PRSC-AGR-33	Use of Innovative Technology in Precision Agriculture. Gurparteet Singh
PRSC-AGR-34	Spatial Variability of Soil Chemical Properties in Faridkot district of Punjab, India. Gurpreet Kaur, Anil Sood, Debjani Kundu, Harleen Kaur, Arvind Kumar, Brijendra Pateriya
PRSC-AGR-36	Prospects of Organic and Conventional Management Practices on Micronutrients Status of Soils. Hardeep Singh Sheoran, V.K. Phogat, Rita Dahiya
PRSC-NAT-1	Delineation of Ground water potential Zones in Mauranipur Block, District Jhanshi, Uttar Pradesh of India-An integrated approach.. Shashank Tripathi, Arjun Singh
PRSC-NAT-6	Integrated Approach of Revised Soil Equation (RUSLE) and Geographical Information System (GIS) for Soil Erosion Risk Assessment in Bisalpur Catchment, Rajasthan. Neeta Chauhan, Sarvesh Palria
PRSC-NAT-7	CHARACTERIZATION OF FATEH SAGAR WETLAND AND ITS CATCHMENT

	AREA AT UDAIPUR CITY, (RAJ.) INDIA, USING HIGH RESOLUTION SATELLITE DATA. Parul Bhalla, Sarvesh Palria
PRSC-NAT-11	QUANTITATIVE ESTIMATION OF SMALL SURFACE WATER STORAGE USING WATER INDICES AND FIELD MEASUREMENTS. Anupam K. Singh, Vikrant S. Bhandari
PRSC-NAT-15	Mapping and Indexing of selected Wetlands in Haryana Using Geospatial Techniques. Poonam Sharma, Sulekha Solanki, Sunil Kumar
PRSC-NAT-17	A HYBRID CLASSIFICATION APPROACH FOR LAND USE /LAND COVER CHANGE ANALYSIS OF BIRSINGHPUR TEHSIL AREA, DISTRICT SATNA (M.P.). Kutubuddin Beg, Ravi Chaurey
PRSC-NAT-18	Trajectories of Land use & Land cover in Haryana State: Temporal Composition, Spatial Configuration and Probability of Changes in GIS Environment. M.P. Sharma, Ravindra Prawasi, Ankur Sharma, Shashikant
PRSC-NAT-20	Waterlogged Land Information System for Muktsar District using Remote Sensing and GIS Technique. Kirandeep Kaur Basran, J. P. Singh, R K Setia, P. K. Litoria
PRSC-NAT-27	Watershed Mapping and Management using Geospatial Techniques: A Case Study. Jaspreet Kaur Khaira, Shivani Singh, V.K. Verma, Brijendra Pateriya
PRSC-NAT-28	Watershed analysis and change monitoring using Remote Sensing and GIS. Birinder Kaur, Shivani Singh, Sunil Nehra, Neeraj Kumar, Jaspreet Kaur Khaira, Sarabjit Singh, V.K. Verma, Brijendra Pateriya
PRSC-NAT-29	Fisheries profile and its spatial distribution in the River Ganga from Haridwar to Patna, India. Syed Shabih Hassan, R. K. Sinha

DAY 2: 23 February, 2018

TIME & VENUE		EVENT
11:30- 13:00(Auditorium PRSC)		INDUSTRY SESSION
Chair: Mr. G. S. Khera Co- Chair:		Session Coordinator:
COMPANY		
ESRI		
RSI		
HP		