

PROGRAMME SHEET OF
Indian National Groundwater Conference (INGWC-2021)

JNT University, Kukatpally, Hyderabad.			
Date	Time	Sessions	
Mar. 22, 2021	10:00 a.m. -11:30 a.m.	Inaugural Session	
	11:30 a.m. -12:00 Noon	Tea Break	
	12:00 Noon -1:30 p.m.	Plenary Session-I	
	1:30 p.m.- 2:30 p.m.	Lunch Break	
	Technical Sessions	Track-I	Track-II
	2:30 p.m.-4:15 p.m.	TS-1: Ground Water Exploration	TS-5: Groundwater Quality and Environment
	4:15 p.m.- 4:30 p.m.	Tea Break	
	4:30 p.m.- 5:30 p.m.	Colloquium	
Mar. 23, 2021	10:00 a.m.-11:30 a.m.	Plenary Session-II	
	11:30 a.m. -11:45 a.m.	Tea Break	
	11:45 a.m. -1:30 p.m.	TS-2: Groundwater Assessment	TS-6: Groundwater Pollution and Remediation
	1:30 p.m. -2:30 p.m.	Lunch Break	
	2:30 p.m.-4:15 p.m.	Session TS-3 Groundwater Recharge Processes	Session TS-7 Groundwater Hydraulics and Modeling
	4:15 p.m.- 4:30 p.m.	Tea Break	
	4:30 p.m.- 5:30 p.m.	AGGS Annual General Body Meeting	
Mar. 24, 2021	10:00 a.m. -11:30 a.m.	Plenary Session-III	
	11:30 a.m. -11:45 a.m.	Tea Break	
	11:45 a.m. -1:30 p.m.	TS-8 Groundwater Management	TS-9 Groundwater in Watershed Management
	1:30 p.m. -2:30 p.m.	Lunch Break	
	2:30 p.m. -3:45 p.m.	TS-4 Effect of Climate Change on Groundwater and Environment	TS-10 Water Related Disasters and Hydrological Changes
	3:45 p.m. -4:00 p.m.	Tea Break	
	4:00 p.m. -5:30 p.m.	Valedictory Session	



22-03-2021 (Day-1)

INAUGURAL SESSION (10.00 AM TO 11.30 AM)

S.No	Author	Abstract Title	Page No.
1.	Prof. Abhijit Mukherjee	Groundwater depletion causing Ganges river drying	

PLENARY SESSION-I (12.00 Noon to 1.30 PM)

Chairman: Dr. P.S. Kulkarni

Co-Chairman: Prof. B. Veeraiah

Keynote papers			
S.No	Authors	Abstract Title	Page No.
1.	Prof. A.L. Ramanathan	Status and issues in sustainable groundwater resource management in India-overview	
2.	Prof. Ghosh bobba	Nutrient and contamination fluxes at the groundwater – surface water interface	
3.	Dr. Pandith Madhunure	Groundwater resource availability, development and its Management in Telangana state	

TECHNICAL SESSION -1 (2:30 PM to 4:15 PM)

GROUNDWATER EXPLORATION

Chairman: Shri. Subbarao

Co-Chairman: Dr. Y. Siva Prasad

Keynote Papers			
S.No	Author	Abstract Title	Page No.
1.	Dr. R.K. Varaprasada Rao	Ground Water Exploration, Estimation And Management Through River Basin Approach	
Session Papers			
2.	Nishant, Kulbir Singh, Sumit Arora, Sunny and Sushil Kumar	Subsurface Resistivity investigations in Kurukshetra University Campus, Haryana using Electrical Resistivity tomography and Vertical Resistivity Sounding surveys	
3.	Reshma S R and M.A Mohammed-Aslam	Delineation of Groundwater Potential Zones Using Ahp and Geospatial Techniques in Akkulam -Veli Lake Basin, Thiruvananthapuram, Kerala	
4.	B M More, A A Bhopale And T D Pawar	Variation in Gravitational Pull: Usefull for aquifer mapping	
5.	Kavita Vithal Patil, Thomas Boving,	Geophysical study to map the aquifer for RBF technology in Goa, India.	



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	Sampatroa Dagu Manjare, and Pratik Shinde		
6.	Dr. S. Brahma	Characterization of aquifers in parts of Bardhaman, Murshidabad and Birbhum districts, West bengal	
7.	Rakesh Nikam, Sumer Chopra, G. Pavan Kumar, Mehul Nagar, Indu Chaudhary, and Nagarjuna Danda	Investigation of hydrological characteristics of Kachchh Mainland Fault (KMF) zone, Gujarat in an active intraplate environ using Time domain electromagnetic method	
8.	Kadari Srinivas Rao	Integrated Geophysical approach for strengthen the drinking water scarcity sources in Basaltic Terrain, Maharashtra, India	
9.	Gurav Chandrakant, Md. Babar and Gurav Netra	Remote Sensing, Geographical Information System (GIS) and Analytic Hierarchy Process (AHP) based Delineation of Groundwater Potential Zones - a case study of Rena river basin in Latur district, Maharashtra, India.	
10.	Arjun Singh, Shashank Ttripathi	Application of Remote Sensing and GIS for the Identification of Ground water potential Zones in Robertsganj Block, District Sonbhadra, Uttar Pradesh of India	
11.	Smegha N. C and Sajeena S.	Assessment of Aquifer Characteristics Using Geoelectrical Resistivity Techniques – A Case Study From Ayacut area of Bakkikayam Regulator	
12.	Samykanu Venkadesh and S.Panneerselvam	Review of remotely sensed satellite data for groundwater assessment	
13.	Amit K. Singh, D.P. Dubey, Y. K. Mawale and Yamuna Singh	Groundwater potential of Karst Aquifers in Central India	
14.	Sumedh Warghat, Sunil Khadse, Satish Kulkarni, Premanand Tidke, and Sandipan Das	Delineation of groundwater potential zone in Bhatkuli Taluka, Amravati District, Maharashtra studies using GIS and Remote Sensing approach.	
15.	Tidke P.S., Warghat S.R., Bhumbar N.S.	Delineation of groundwater potential zone and Land Use Land Cover Mapping In Amravati block of Maharashtra by using Remote Sensing and GIS Techniques. (title and author are different)	
16.	A. A. Alabi, O.T.Olurin, A.O.Ogungbe, J.O. Coker and A.O.Adewale	Geophysical Evaluation of Groundwater Potentials in Mawuko And Its Environs, Abeokuta, South Western Nigeria	



TECHNICAL SESSION -5 (2:30 p.m. to 4:15 p.m.)

GROUNDWATER QUALITY AND ENVIRONMENT

Chairman: Dr. K. Mukkanti

Co-Chairman: Dr. Ch. Sashikala

Keynote Papers			
S.No	Author	Abstract Title	Page No.
1.	Dr. P.N. Rao	Urban Aquifers in India with Focus on Groundwater Quality	
Session Papers			
2.	Venkatesh S, Parimalarenganayaki S	Assessment of geochemistry of major lake water and groundwater in Chennai City, India	
3.	AL Ramanathan, Shailesh Kumar Yadav	Ground water quality scenario in India: focus on Central Gangetic Plain	
4.	Abdur Rahman and N.C. Mondal	Potential health risk assessment of fluoride in groundwater in a part of the desert area in Rajasthan	
5.	Akshitha.V. Balakrishna, H. N. Udaya Shankar	Seasonal variation in major ion chemistry of coastal aquifer in Udupi district, Southern India	
6.	Gopal Krishan, Bhishm Kumar,N. Sudarsan, M.S. Rao, N.C. Ghosh, B.S. Sidhu and Rajesh Vashist	Water isotopes as tools in groundwater salinity studies in semi-arid region of northwest India	
7.	Thabrez M, Parimalarenganayaki S	Assessment of groundwater quality and its health impact in Karnataka, India	
8.	R.C. Panchabhai and N.C. Mondal	Groundwater characterization for drinking suitability of Deccan Trap Basaltic Aquifer in Nashik District, Maharashtra	
9.	Bhaves D.Patil, S.N.Patil, S.T.Ingle and U.D.Kulkarni	Hydrogeochemical parameters for Assessment of Groundwater Quality in tribal villages of Navapur Tahsil, District Nandurbar, Maharashtra, India	
10.	Shelfali Chander and Susanta Paikaray	Groundwater uranium enrichments around Fazilka district, SW Punjab, India	
11.	Dr. S.Mahenthiran, Dr. Madhavi Ganesan and Dr. L. Vignesh Rajkumar	Classification and identification of groundwater sources: a case study	
12.	M Elayarajan, S. Panneerselvam,P. Pramila,	Groundwater Fluoride Concentration of Reddiyarchatram and Kundadam Blocks of Tamil Nadu, India	



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	N. Balakrishnan, K Bhattacharya and K Panigrahi		
13.	Anupma Sharma, Suraj Kumar, Divya Thakur, M.K. Sharma, and P. S. Madhav Chandra	The occurrence and behaviour of Fluoride in Groundwater of a Semi-Arid Region in Rajasthan	
14.	Vinnarasi. F, Srinivasamoorthy.K, Saravanan.K, Gopinath.S, Prakash.R, Ponnumani.G, and Babu.C	Geochemistry and rare earth elemental fluxes in groundwater from Shanmuganadhi, Tamilnadu, India: chemical weathering implications using geochemical mass-balance calculations	
15.	Aditya S.K, A.Krishnakumar, Sudhir Kumar and AnoopKrishnan.K	Hydrochemistry and Stable Isotope Characteristics of Groundwater in the Upper Reaches of Periyar River, Southern Western Ghats, India	
16.	Shekhar More, Gunnam Venkata Ratnalu and Ratnakar Dhakate	Groundwater and Surface water geochemistry and health risk assessment in a fluoride affect region of Bhuvanagiri District, Telangana State, India	
17.	Gunnam Venkata Ratnalu, Shekhar More, and Ratnakar Dhakate	Non carcinogenic Health risk assessment of chloride and nitrate in groundwater of Bengaluru city, South India	
18.	Dr.Aneeshkumar.N and Dr. A. Subburaj	Occurrence of Uranium, Arsenic, Lithium and other Trace metals in A Tropical Wet Shallow Aquifer System, Kerala, India	
19.	M.D.Deshmukh, B.M.Meshram, S.G.Gaikwad, S.S.Patil and K.R.Aher	Application of GWQI to Assess Effect on Groundwater Quality in parts of Godavari basin: Remote Sensing and GIS Based Approach	
20.	Ravi Vorsu	Hydrogeological and Hydro chemical evaluation of Groundwater in GhattuppalSub Basin,Nalgonda District, Telangana State	
21.	Dr. Pandith Madhnure, C. Rakesh Chandar, Dr. P. Ashok Yadav and Ch. Sunanda	Assessment Of Groundwater Quality And Its Seasonal Variations in Telangana State	

Colloquium (4:30 p.m. to 5:30 p.m.)

S.No	Author	Abstract Title	Page No.
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FOURTH INDIAN NATIONAL GROUNDWATER CONFERENCE (INGWC-2021)

1.	Prof. B. Venkateswara Rao	My Experience with Groundwater in Hard Rocks	
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DAY-2 (23-03-2021)

Plenary Session- II (10:00 a.m. to 11:30 a.m.)

Chairman: Prof. K.V. Jayakumar

Co-Chairman: Dr. T. Vijaya Lakshmi

Keynote Papers

S.No	Authors	Abstract Title	Page No.
1.	Dr. S.P. Wani	Sustainable groundwater management in watersheds for achieving sustainable development goals in Atmanirbhar Bharat.	
2.	Dr. Peter Dillon	Managing aquifer recharge: A showcase for resilience and sustainability	
3.	Dr. M. Thangarajan	Mass transport modeling of contaminant migration: A case Study in Pondicherry sedimentary aquifer system	
4	Prof. L. Elango	Groundwater modelling to assess the impact of climate change	

Technical Session-2 (11:45 a.m. to 1:30 p.m.)

GROUNDWATER ASSESSMENT

Chairman: Dr. Uma Maheswara Rao

Co-Chairman: Dr. V. Varalakshmi

Keynote Paper

S.No	Author	Abstract Title	Page No.
1.	Dr. H. K. Pandey	Groundwater quality assessment of Allahabad smart city Using GIS and water quality index	

Session Papers

2.	Syedah Raazia and Abdul Qayoom Dar	Modeling the subsurface hydrological realm of Pir Panjal watersheds in Jhelum basin, India	
3.	Prasoon Kumar Singh and Parveen Purty	Analysis of Groundwater level using GIS for water resources development and Management in the Eastern Part of Singhbhum District, Jharkhand, India: A Quantitative Approach	
4.	Prasanna Ratnakarrao Thote	Groundwater management in semi-arid hard rock terrains of Maharashtra	
5.	Akanksha Pandey , Ritesh Purohit and Deepak Sharma	Application of RS and GIS to capture the interplay of geological units and watershed development activities: Implications on change in groundwater potentials	



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6.	N.C. Mondal and V. Ajaykumar	Information-based model for assessing natural groundwater reserve in a sedimentary area of Ganga basin, India	
7.	S.Swathy and Shakeel Ahmed	Groundwater system in different geological formations and recent developments in their study	
8.	Kadari Srinivas Rao	Study of Oxbow lake formation and associated change in human mosaic rehabilitation of village using remote sensing and geophysical methods	
9.	Vulloju Narasaiah and Bekkam Venkateswara Rao	Pumping test investigations of an hard rock aquifer.	
10.	Y. Siva Prasad and B. Venkateswara Rao	Assessment of aquifer characteristics in a typical Khondalitic terrain using well logging investigations.	
11	Dr. S. M. Masoom Former senior Geologist	Groundwater Assessment in urban area of Hard rock Terrain	

Technical Session-6 (11:45 a.m. to 1:30 p.m.)

GROUNDWATER POLLUTION AND REMEDIATION

Chairman: Prof. M. Gopal Naik

Co-Chairman: Dr. L. Surinaidu

Keynote Papers			
S.No	Author	Abstract title	P.No
1.	Dr. Brijesh Kumar Yadhav	Applications of permeable reactive barrier for the remediation of groundwater pollutants	
Session Papers			
2.	Salman Ahmed, ShadabKhurshid, NaseemAkhtar and MohdWajahat Sultan	Evaluation and statistical analysis of contamination by heavy metal in the quaternary groundwater aquifer of Yamuna river basin	
3.	Shailesh Kumar Yadav and AL. Ramanathan	Groundwater arsenic contamination from quaternary alluvium in the central Gangetic plain, U.P., India	
4.	Loganathan K and Dr. Vignesh Rajkumar L	Impact assessment of groundwater contamination using Remote sensing and GIS techniques in and around Tirupattur district	
5.	Garima Upret, Vandana Devi, Sonu Kumar, Mohammad Mohsin Atique, Ashwani Raju, Sudhir Kumar, Sandeep Singh, Narendra Kumar and Munendra Singh	Mercury contamination in shallow groundwater of during monsoon season, central ganga alluvial plain, northern India	



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6.	Dr. K. Syamala Devi	Ground water pollution and contamination in India - a review	
7.	Deshmukh M.D., Meshram B.S., Gaikwad S.G. and Aher K.R.	Evaluation of the influence of natural and anthropogenic processes on water quality in Shivna river basin	
8.	Aswin kokkat* And N.C. Mondal	Assessment Of Groundwater And Saline Water Interaction In Shallow Coastal Aquifers Of Cauvery Delta, Southeast India	
9.	Arjun Suresh* And Tanu Jindal	Occurrence And Ecotoxicological Concern Of Phthalatesin Groundwater	
10.	Smitha V. S.*, Jayasooryan K. K., Vimala T., Resmi T. R., Harikumar P. S.	Impact Of Anthropogenic Activities In Deteriorating The Groundwater Quality In Kerala With Special Reference To Nitrate Contamination And Its Removal Using Functional Nanocomposite Materials	
11.	Jayasooryan K.K*, Dilshad M, Amalendu R Vimala R And Resmi T.R	An Investigation On Chemical Status Of Surface Water And Ground Water In A Fresh Water Lake Experiencing Large Scale Anthropogenic Deterioration	
12.	Sajja. S. Chandrasekhar*, Nivedita Sahu , Sundergopal Sridhar	Novel Integrated Membrane Bioreactor For Effective The Treatment Of Industrial Effluents For Water Reuse As A Sustainable Process	,
13.	Shashi Ranjan*, Brijesh Kumar Yadav And Himanshu Joshi	Arsenic (Iii) Remediation Using Modified Nzvi Permeable Reactive Barrier- Fixed Bed Column Study	
14.	Mummidivarapu Satish Kumar*, Y.R. Satyaji Rao, G. Abbaiah,	Mapping Of Potential Nitrogen Load From Faulty Septic Tanks In Kakinada Smart City	

Technical Session-3 (2:30 p.m. to 4:15 p.m.)

GROUNDWATER RECHARGE PROCESSES

Chairman: Prof. K. Ramamohan Reddy

Co-Chairman: Dr. Rajesh Nune

Keynote paper			
S.No	Author	Abstract Title	Page No.
1.	Dr. YRS. Rao	River Bank Filtration (RBF) - A possible source for safe drinking water in the saline coastal aquifer	
Session Papers			



FOURTH INDIAN NATIONAL GROUNDWATER CONFERENCE (INGWC-2021)

2.	R.V.Ramamohan and Dr.K. Ramamohan	Assessment of bore well recharge potential using tanker test method	
3.	Dr. Arun K Saraf	Geoinformatics to solve groundwater problems in hard rock terrains	
4.	Rajesh Kanna. A, Srinivasamoorthy. K, Babu.C, Ponnumani. G and Prakash. R	Isolating submarine groundwater discharge and sea water intrusion zones using multi proxies along the quaternary shallow aquifers of Tamilnadu and Pondicherry coast, India.	
5.	Amita Mondal, Udayan Mondal and Priyabrata Banerjee	A precise evaluation of globally adopted techniques for implementing Riverbank Filtration Plant along river Damodar: A sustainable solution to manage aquifer resources	
6.	V. Ajaykumar and N.C. Mondal	Identifying groundwater recharge potential zones coupling with groundwater prospect map in a part of flood basalt area from central India	
7.	Gopal Krishan, Bhishm Kumar, N. Sudarsan, M.S. Rao, N.C. Ghosh, S. Chanu, L. Elango, B.S. Sidhu and Rajesh Vashist	Water isotopes as tools in groundwater salinity studies in semi-arid region of northwest India	
8.	C. Sandhu , T. Grischek , H. Börnick, B. Chakraborty, Y.R.S. Rao, G. Krishan and N. C. Ghosh,	Riverbank filtration in parts of Jharkhand and South-East coastal India – research and training for a RBF master plan	
9.	J. Jayaraj and N. Seetha	Transport and retention of nanoparticles in unsaturated porous media	
10.	A.Valliammai, G.Thiygarajan, Balaji Kannan and S.Pannerselvam	Identification of suitable sites for Groundwater recharge using Geo-spatial techniques	
11.	R. Anbuechezian and S. Parimalarenganayaki	Minor recharge structure and its impact on Ground water quality	
12.	Anupma Sharma, P. S. Madhav Chandra, Deepak Kashyap and Vijay Anand	Numerical simulation of enhanced infiltration and groundwater recharge using hydrus-1D	
13.	K. Aruna Kumari,L. Surinaidu and M. J. Nandan	Selection of suitable recharge sites in hilly areas using electrical resistivity tomography and numerical groundwater flow modeling techniques a case study from South India	
14.	Babu C,Srinivasamoorthy K and Rajesh Kanna A	Isolating submarine groundwater discharge along the coastal aquifers of nagapattinam, Tamilnadu, India aided by mass balance modeling	
15.	Thiyagarajan, G, A. Valliammai, A. Raviraj, M. Elayarajan and	Performance evaluation of artificial recharge structures in enhancing groundwater quantity and quality	



FOURTH INDIAN NATIONAL GROUNDWATER CONFERENCE (INGWC-2021)

	S. Panneerselvam		
16.	S. V. Vijaya kumar,D. Srija A.Varaprasada rao, N.Srinivas and A. Dileep	Modelling effect of pumping and recharge on groundwater availability in sandstone aquifer of Gunderu sub-basin	
17.	Tanvi Arora, Taufique Warsi, Mondal N.C., D. Jalander And Shakeel Ahmed	Electrical imaging in the parts of Tapi River basin for MAR locates.	

Technical Session-7 (2:30 p.m. to 4:15 p.m.)

GROUNDWATER HYDRAULICS AND MODELING

Chairman: Prof. G. Jagmohan Das

Co-Chairman: Prof. S. Srinivasulu

Keynote paper			
S.No	Author	Abstract title	Page No.
1.	S. N. Rai	An innovation in modeling of groundwater flow	
Session Papers			
2.	Pramod Kumar Sharmaand Muskan Mayank	Numerical solution for space fractional advection–dispersion equation for solute transport through porous media	
3.	Molsy Joseph and Seetha N.	Nanoparticle transport in a physically and chemically heterogeneous pore	
4.	Ranjeet Sabale and Mathew K Jose	Modeling of Yerala river basin using SWAT model, Khatav, India	
5.	N. Vivekanandan and C. Srishailam	Intercomparison of estimators of log-normal and weibull distributions for low-flow frequency analysis	
6.	N. A. Mulla, and N. C. Mondal	Appraisal of dominating hydrological parameters in diverse hydrometeorological micro-watersheds in Krishna basin, India	
7.	K.Swetha,Dr.A.Vinod Kumar ,Prof.T. I.Eldho, and Dr.L.Guneshwor Singh	Local radial point interpolation method (meshless method) for the simulation of groundwater flow in an aquifer	
8.	R. Venkata Ramana , V. S. Jeyakanthan ,Y.R.Satyaji Rao and T. Vijay	Prediction of short interval water table fluctuation in different geological formations using WNN	
9.	S.D. Dhiman	ANN based modeling of Total dissolved solids and sodium adsorption ratio for groundwater of Amreli district, Gujarat	
10.	Sanjukta. D and Eldho, T.I.	Coupled groundwater flow and transport simulation in a confined aquifer using meshless local petrov galerk in method (MLPG)	



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11.	Yerramilli Sai Rama Krishna and N.Seetha	Effect of ionic strength on the fate and transport of colloids in saturated Porous media	
12.	Aher K.R	Climate change and water resources in Marathwada region of Maharashtra, India	
13.	S. Chandrapuri and N.C. Mondal	Development of Python code for estimating natural groundwater recharge using 2K-Rule	
14.	Carlos Andres Rivera Villarreyes, Abhilash Ajakkumar and Christy M. Damascene	Groundwater modelling as decision-tool for the assessment of water quality	



24-03-2021 (Day-3)

PLENARY SESSION-III (10:00 a.m. to 11:30 a.m.)

Chairman: Prof. K. Sree Krishna

Co-Chairman: K.B.V.N Phanindhra

Keynote papers			
S. No	Authors	Abstract Title	Page No.
1.	Prof. T.I. Eldho	Inverse modeling in groundwater using mesh free simulation and swarm optimization with application to source identification	
2.	Prof. C. Mayilswami	Conceptual model for sustainable management of groundwater resources in the hard rock region of Noyil river basin, Tamil Nadu, India	
3.	Dr. Shakeel Ahmed	Alleviating groundwater disasters through Scientific acumen and stakeholder's involvements	
4.	Dr. Prosun Bhattacharya	Geogenic contaminants in groundwater resources – establishing a Digital Water Platform for safe drinking water safety planning and management	
5.			

TECHNICAL SESSION-8 (11:45 a.m. to 1:30 p.m.)

GROUNDWATER MANAGEMENT

Chairman: Prof. G.K. Viswanath

Co-Chairman: Dr. N. C. Mondal

Keynote Papers			
S.No	Author	Abstract Title	Page No.
1.	Dr. Anupma Sharma	Freshwater - Saline water interactions in coastal regions	
Session Papers			
2.	Sangita.P. Bhattacharjee and V. kunhambu	Micro level groundwater management plan in Belavanki gram panchayat, Ron taluk, Gadag district, Karnataka, India –a case study	
3.	Meera M.S	An economic evaluation of community based rural drinking water supply system in Kerala	



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4.	Amrita Rauniyar Prabin Bhusal, Binod Prasad Heyojoo and Nabin Kumar Yadav	Impact of Water Source Depletion on Livelihood: Linkage with Chure–Kang River Basin	
5.	Mathew K Jose, B Venkatesh, Pandith Madhnure, Rakesh Chander and Abhilash R	Analysis of long-term aquifer information to facilitate sustainable groundwater management in Hard rock regions	
6.	Vinay Kumar Gautam, and M.K. Awasthi	Optimization of Land and Water Resources for Maximizing Farm Income for Central Narmada Valley, Madhya Pradesh	
7.	Anadi Gayen, and Y. Awale	Review on adoption of sustainable management strategies through monitoring and analysis of long-term behavior of groundwater regime in the Chhattisgarh state, India	
8.	Pranav Goel and Anupma Sharma	A Review of Groundwater Scenario in Indira Gandhi Nahar Pariyojna, Rajasthan	
9.	Swathy S and Shakeel Ahmed	Groundwater system in different geological formations and recent developments in their study	
10.	R.K. Jaiswal, S. Jain, R.V. Galkate, and A.K. Lohani	Understanding soil erosion dynamics in Google earth engine	
11.	Syedrah Raazia, and Abdul Qayoom Dar	Subsurface hydrological realm of Pir panjal watersheds in Jhelum basin, India	
12.	Mohammed Mainuddin, Mohammad A Mojid, Michael Scobie, Don Gaydon, Mac Kirby, Sreekanth Janardhanan, Jorge Pena-Arancibia, Sumant Kumar, Phil Davies, Erik Schmidt, Surjeet Singh, and Dave Penton	Agricultural water use and groundwater sustainability in the Eastern Gangetic Plains	
13.	Dr. Pandith Madhnure, C. Rakesh Chander, K. Mahesh Kumar, P. Ravali, L.R. Kartika Priya and B. Lavanya	Management strategies adapted in irrigation sector and its impact on groundwater regime in Telangana state	



TECHNICAL SESSION-9 (11:45 a.m. to 1:30 p.m.)
GROUNDWATER IN WATERSHED MANAGEMENT

Chairman: Prof. C. Sarala

Co-Chairman: Dr. B. Narasimlu

Keynote papers			
S.No.	Author	Abstract Title	Page No.
1.	Dr. S. Panner Selvam	Impact of Climate Change on Water Resources and Climate Resilient Technologies for Enhancing The Rice Productivity and Water Use Efficiency	
Session Papers			
2.	Das Manisha , Sharma Anupma and Singh Vivekanand	Variability of Soil Moisture under Two Different Land Covers	
3.	Anil Kumar Butty, and Dr. B.Venkateswara Rao	Evaluation of Harvesting Structures in Alladupally Basin – A Pennar Subbasin	
4.	A.Valliammai, N.Satheeshkumar, D.Muthumanickam, and A.Christopher Lourduraj	Field evaluation of the micro irrigation system in grapes field	
5.	Dr.Subbalakshmi Lokanadhan , Dr.S.Anbumani and Dr. S. Panneerselvam	Ground Water Utilization for Rice Production - Analysis of Pros & Cons with Field Studies	
6.	A.Valliammai, N.Satheeshkumar D.Muthumanickam, and A.Christopher Lourduraj	Identification of soil eroded regions in river basin using morphological parameters	
7.	A.Valliammai, M.Manikandan, G.Thiygarajan, and S.Pannerselvam	Design of lateral placement depth in drip irrigation	
8.	Hrushikesh Pasham and Sakram Gugulothu	A Study of Geomorphology and morphometric analysis of the Dindi River Basin, India, using geospatial approach	
9.	M Elayarajan, S.Panneerselvam,	Reclamation of Geogenic Fluoride Contaminated Soil	



FOURTH INDIAN NATIONAL GROUNDWATER CONFERENCE (INGWC-2021)

	P.Pramila, N. Balakrishnan, K Bhattacharya and K Panigrahi	and Crop Productivity of Onion (<i>Allium Cepa</i> L. Var <i>Aggregatum</i>)	
10.	R.K. Jaiswal,A.K. Lohani, S. Jain, and R.V. Galkate	Understanding Soil Erosion Dynamics in Google Earth Engine	
11.	Josily Samuel, C A Rama Rao, BMK Raju, A Amarender Reddy, Pushpanjali and A Gopala Krishna Reddy	Minimizing drought Impacts on farm incomes in dry lands	
12.	Venkatesh Gurusamy	An economic analysis of groundwater development vis- à-vis resource use efficiency in tank command areas	
13.	A. Gopala Krishna Reddy, N. N. Reddy,M. Prabhakar and Jagati Yadagiri	Mango Decline: Case study in Rangareddy district of Telangana.	

TECHNICAL SESSION-4 (2:30 p.m. to 3:45 p.m.)

EFFECT OF CLIMATE CHANGE ON GROUNDWATER AND ENVIRONMENT

Chairman: Prof. M. Anjireddy

Co-Chairman: Shri. J. Venkatesh

Keynote Papers			
S.No	Author	Abstract Title	Page No.
1.	Dr. V. Geethalakshmi	Impact of Climate Change on Ground water and agricultural Productivity	
Session papers			
2.	N. Saraswathi	Effect of climate change on ground water and environment	
3.	Whelinta Sherin, and Dr. K. Palanivelu,	Impact of climate change on groundwater quality in Coimbatore smart city areas	
4.	S. Panneerselvam	Impact of climate change on water resources and climate resilient technologies for the enhancing the rice productivity and water use efficiency	
5.	Whelinta Sherin	Effect of climate change on ground water quality	
6.	A. Ghosh Bobba	Human and climate change impacts on surface and subsurface water resource of east coast and deltas of India.	



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7	Cornelius Sandhu, Thomas Grisehek, Prakash C. Kimothi, et al.	Sustainable and year-round drinking water production by river bank filtration in Haridwar, India	
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TECHNICAL SESSION-10 (2:30 p.m. to 3:45 p.m.)

Special Session on Water Related Disasters and Hydrological Changes

Chairman: Dr. V. Venkateswara Rao

Co-Chairman: Prof. M.V.S.S.

Giridhar

Keynote Papers			
S.No	Author	Abstract Title	Page No.
1.	Dr. B.V. Subba Rao		
Session papers			
2.	N.Vivekanandan, C. Srishailam, R.G. Patil	Rainfall Intensity-Duration-Frequency Analysis for North Region of Raigad District, Maharashtra	
3.	Hemraj Kumavat , Rohan Kumavat , Pratiksha Patil	Extensive Stability Analysis on Failure Mechanism of Retaining Wall: Design Approach	
4.	Ravindra Kumar	Assessment of Environmental Flows in Ghaghra River Systems	
5.	Rajaveni Sundara Pandian , Punit Kumar Bhola , and Elango Lakshmanan	Application of Rainfall-Runoff Model NAM in Arani- Korttalaiyar River, Tamil Nadu, India	
6.	J.Brema, and C.Mayilswami	Feasibility study for interlinking of rivers – Thamirabarani, Vaippar and Kallar rivers	
7.	Lakshminarayana Polaki and Venkateswararao Bekkam	Event Hydrological Modeling and Flood Prognostics of the Yerrakalava River Basin	
8	Dr. S.M. Masoom Former Senior Geologist	Measures to mitigate water scarcity in Aurangabad District of Maharashtra	

Valedictory Session (4:00 p.m. to 5:30 p.m.)

S.No	Author	Abstract Title	Page No.
1.	Dr. P.G. Sastry	Global Groundwater Picture	