

6.5

Water in the Community

6.5.1 Water Management Educational Opportunities

MRIIRS Weblink to SDG 6:

<https://mriirs.edu.in/sdg06-clean-water-and-sanitation/>

Water Management Educational Opportunities for local Communities:

MRIIRS has established a center of excellence in April 2017 "Center for Advance Water Technology and Management" to outreach directly and demonstrate engagement initiatives to address the community's water management and water uses. The center is actively involved in achieving its vision "clean water for all and forever". The center had begun free "water literacy campaign" and conducting various inhouse and out campus activities for community education on water and hygiene, using Manav Rachna FM Radio, organizing meetings, workshop/ seminar/ painting competitions, campus visit etc.

As evidence in support to 6.5.1 details of the activities conducted for local communities to learn about good water management, radio talk recorded, brochure of Center for Advance Water Technology and Management, invite letters to Professor A. Mukherjee of MRIIRS to deliver talks on Water Management etc. are available. All the data are available in public domain through web site of MRIIRS.

- Radio Manav Rachna: Awareness on Water Conservation and Clean Water during Nov 2022: https://www.youtube.com/watch?v=N1dMJLqLw_I
- Radio Manav Rachna records the bites of Mr. Promod Jain (Nodal Officer Atal Bhujal Yojna of Government of India for Water Conservation, Haryana) to promote the Water Conservation projects among the common people.

Link to Radio talk:



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Manav Rachna Radio Talks on Water Conservation

MANAV RACHNA INTERNATIONAL INSTITUTE OF RESEARCH AND STUDIES, FARIDABAD

Details of the activities conducted for local communities to learn about good water management:

Manav Rachna Centre for Advance Water Technology and Management (MRCATM) established in 2017 with one of its Mission Statement as 'Education and Outreach' for water management as stated below, is frequently organizing various outreach programs under its banner Water Literacy Campaign. The target groups are selected across the society from all ages and gender. Under this banner, various events like small group discussions, mass awareness programs, talk show, Manav Rachna/FM Radio events, lectures, talent hunt, delivering invited talk, field visits etc organized apart from organizing national and local conferences and webinars are specially done.

Mission Statement-1 of MRCATM: Education and outreach

- i. Capacity building for stake holders for comprehensive and sustainable water resources management for nation building.
- ii. Formulation of interdisciplinary curriculum and course on water for various level and purposes.
- iii. Run conventional and web based short, medium and long courses.
- iv. Awareness creation through collaboration with Government, civil society and industries.
- v. Creating popular documents for social awareness.

Awareness Campaigns

- **Water Literacy Campaign with theme on 'Importance of Clean Water'** was organized for the residents of adopted villages Mohna, Nariyala, Panhera Khurd, Maujpur and Heerapur during January 2022.
- **Water Literacy Campaign through Raahgiri event with theme on 'Water Conservation'** was organized in collaboration with Faridabad Administration and Faridabad Police: A stall on 'Water Literacy Campaign' arranged by Center for Advance Water Technology & Management under Jal Shakti Abhiyan attracted audience from diverse group. Dr. A Mukherjee, Professor from CAWTM, MRIIRS

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propagated the concept of water conservation through standees and display materials and discussed the importance of clean drinking water. They also demonstrated the functioning of Automatic Ground Water Level Recorder. Pamphlets on various water issues were distributed on the occasion.





Water Literacy Campaign organized during January 2022



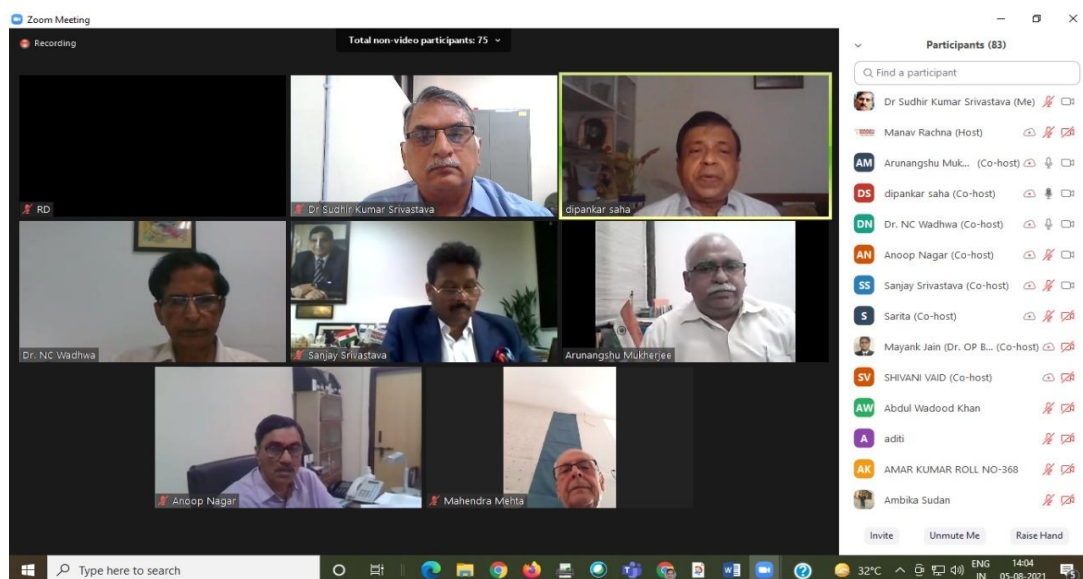
Water Literacy Campaign through Raahgiri event with theme on 'Water Conservation'

- **World Water Day** was celebrated during the month of **March 2022** with the theme of **"Smart Cities and Water Sector"**. MRIIRS also marked its presence in the National Seminar on 'Groundwater-Invisible Resources and Visible Impacts' organized on March 22, 2022.



National Seminar on 'Groundwater-Invisible Resources and Visible Impacts' organized on March 22, 2022

- A **webinar** on **'Water Treatment and Sanitation'** was organized by MRIIRS during August 2021. Water research experts from all over India connected together through the webinar to discuss the recent innovations in the field of water treatment and sanitation for effective water re-usage.



Webinar on 'Water Treatment and Sanitation'

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- **World Environment Day** was celebrated during the month of June with the theme of “**Water Environment Safety Initiative**”
- Workshop on “**Technological Intervention and Management of Saline and Polluted Aquifer**” during the month of June.
- Under Swachha Bharat Mission student **sensitization programme** was conducted in the campus of Govt Girls H S School **Mohna village (Ballabhgarh, Haryana, India)** and MRIIRS on “**Water & Hygiene**” during the month of August.
- A series of **Student sensitization programmes** were conducted during the month of January in the **Govt Girls Higher Secondary School Diggal village (Jajjhar, Haryana, India)** with the theme “**Water & Hygiene**”.

Out reach Program



Presence of CAWTM, MRIIRS at various outreach platforms

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- **Community literacy campaign on Water conservation** was conducted by **Manav Rachna CAWTM** in **Swamika Village at Palwal, Haryana India** during July 2022 to educate people about the wise use of water for all purposes.



- A campaign on '**Water Reuse and Sanitation**' was organized for the Government School Students of Village Buraka at Palwal, Haryana, India by CAWTM, **Manav Rachna under Atal Bhujal Yojna of Government of India**. At the end, students also took a pledge to spread awareness on wise water usage among the residents of their village.



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- **Manav Rachna CAWTM** conducted a community talk to sensitize the residents of Khoh Village, Manesar, Haryana, India about the **Water Conservation** under Atal Bhujal Yojna of Government of India.



- Sensitization Programme on **Efficient usage of Ground Water Resources and Water Sanitation Hygiene** was conducted for the Government School Students of village of Panhera Khurd, Haryana, Faridabad under Wash Innovation Project of **Manav Rachna CAWTM**.



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- A painting competition on the theme of **Save Water** was organized for the Government School students **by MRIIRS under Atal Bhujal Yojna of Government of India.**



- Dedicated to improve the quality of life through inclusive growth and development in education, Manav Rachna, under the aegis of Dr. O.P. Bhalla Foundation has adopted villages. **Freshers of Manav Rachna International Institute of Research and Studies** were divided into four clans (Air Falcon, Wild Cats, Water Sharks & Forest Rhinos) and visited four villages: Mohna, Heerapur, Panhera Khurd and Nariyala. The visit was aimed to instil life skills among students. Plantation was done in these villages in collaboration with Horticulture Wing of the University. Plantation sites included outer boundaries of village ponds as well as Government School.

A meeting of students was arranged with Village Sarpanch / Panchayat functionaries for a small interactive session in each village to apprise them regarding water conservation measures including rainwater harvesting and preventing runoff during rainy season. Students took part in sanitation drive and sensitized village people to ensure an open defecation free village. Merchandise like key chains, mugs, crayons

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and sketch pens were distributed to the school students after various activities. School Students participated enthusiastically in all the activities.

<http://dropbhallaoundation.org/events/day-green-and-clean-of-college-diaries/>



- Visit of **MRIIRS- Water Sharks CLAN students** in association with Department of Civil Engineering to the schools of adopted villages to spread awareness on water conservation and quality challenges:

<https://manavrachna.edu.in/latest/mriirs-turns-nodal-centre-for-ict-based-short-term-course-on-water-resource-management-2-2-2-2/>



- Rural Water Level Protection Plan and Water Literacy::

<https://manavrachna.edu.in/latest/rural-level-water-protection-plan-and-water-literacy/>



A series of programs under Rural Level Water Protection Plan & Water Literacy are being organized jointly by Central Ground Water Board (CGWB), Chandigarh and **Manav Rachna Centre for Advance Water Technology & Management (CAWTM)**, MRIIRS, funded by Ministry of Jal Shakti, Government of India. Two final deliberations on water literacy and conservation were exercised in Khoh following the earlier programs organized at Mohna and KV 3 Faridabad.

A total of 50 students of Government Multipurpose High School, Khoh, Manesar of Gurugram district were addressed under the mentioned program. Students actively participated in the informative quiz competition based on water literacy and water resources of India.

Under the same scheme, another program was organized for the residents of Khoh Village. 35 residents assembled at Krishna Dharamshala, Khoh. There, the Water Management Plan prepared during investigation in village Khoh for Water Security and Rain Water Harvesting under project funded by Maruti Suzuki Foundation was discussed before implementing the recommendation of the study.

- **Team of Manav Rachna CAWTM** creating Awareness among the villagers about various **agriculture schemes like PMKSY, MNREGA, RKVY** operated by **Government of Haryana, India** to reduce wastage of water.



Press Coverage

दिल्ली/हरियाणा नई दिल्ली, गुरुवार, 2 जून 2022

मिकाड़ा के तहत हर खेत को दिया जाएगा पानी-एस.डी.ओ. मिकाड़ा

जिला कार्यान्वयन भागीदारी टीम ने डी.पी.एम.यू. के विशेषज्ञ के साथ मिलकर विभिन्न ग्राम पंचायतों में लोगों को किया जागरूक

नौर मजदुरीकरण अर्थात् खान, 1 जून। सिंचाई विभाग पंचायतों को अटल भूजल योजना के तहत विकास के साथ विकास विभाग कार्यान्वयन भागीदारी टीम ने डी.पी.एम.यू. के विशेषज्ञ के साथ मिलकर ग्राम पंचायत मानपुर, लड़माकी, रणसिका व जलालपुर में लोगों को जागरूक करने के लिए जागरूक किया, जिसमें गांव के लोगों ने काफी उत्साह के साथ भागीदारी की। एसडीओ मिकाड़ा ने लोगों को सूझ सिंचाई के बारे में लोगों को जागरूक करने के लिए जागरूक किया, जिसमें गांव के लोगों ने काफी उत्साह के साथ भागीदारी की। एसडीओ मिकाड़ा ने लोगों को सूझ सिंचाई के बारे में लोगों को जागरूक करने के लिए जागरूक किया, जिसमें गांव के लोगों ने काफी उत्साह के साथ भागीदारी की।

सिंचाई विभाग के जिला कार्यान्वयन भागीदारी टीम ने डी.पी.एम.यू. के विशेषज्ञ के साथ मिलकर ग्राम पंचायत मानपुर, लड़माकी, रणसिका व जलालपुर में लोगों को जागरूक करने के लिए जागरूक किया, जिसमें गांव के लोगों ने काफी उत्साह के साथ भागीदारी की। एसडीओ मिकाड़ा ने लोगों को सूझ सिंचाई के बारे में लोगों को जागरूक करने के लिए जागरूक किया, जिसमें गांव के लोगों ने काफी उत्साह के साथ भागीदारी की।

पानी का सही इस्तेमाल करने को किया जागरूक

पलवल, 1 जून (यूरो) : सिंचाई विभाग के साथ-साथ महिलाओं ने भी धरतू कार्यो के लिए जिस तरह से जल का दुरुपयोग किया है। उन्हें भी अपनी जिम्मेदारी समझनी होगी कि जब तक लोग जल बचाने के लिए दैनिक व्यवहार में बदलाव नहीं करते तब तक पानी के व्यर्थ उपयोग को नहीं रोका जा सकता। जल को हर एक यूनिट का उपयोग सही तरीके से होना चाहिए, ताकि हम आगे वाली पीढ़ियों के लिए जल भंडार को सुरक्षित रख सकें, क्योंकि जल के ऊपर जितना अधिकार हमारा है उतना ही आने वाली पीढ़ियों का भी है। जल के बिना जीवन संभव नहीं है। जल ऐसा संसाधन नहीं है जिसे हम दोबारा पैदा कर सकते हैं। इसलिए जो जल भूगर्भ में उपस्थित है उसको ही हमें बचना है और वर्षा व अन्य एकत्रित जल को भूगर्भ तक पहुंचाना जरूरी है। कनिष्ठ अभियंता ने बताया कि लोग फसल चक्र को बदलकर जल को बचा सकते हैं, जिन फसलों को कम जल की आवश्यकता होती है, हमें उन फसलों को खेती पर जोर देना चाहिए। सिंचाई की विधि में बदलाव करते भी जल को बचाया जा सकता है, जैसे स्थिकल, ड्रिप पद्धति, अंडग्राउंड हाइड्रोलॉजी जैसी विधियों का प्रयोग करके पानी के खर्च को कम किया जा सकता है। उन्होंने कहा कि आज आपके पास जल को उपलब्धता है। इसलिए आप सोच नहीं पा रहे हैं, लेकिन कल जब जल ही नहीं रहेगा तब लोग खेती ही नहीं कर पाएंगे। अशोक ने बताया कि रिचार्ज बोरेवेल लगा कर जलस्तर को बढ़ाया जा सकता है। वाटर हार्वेस्टिंग लगा कर गांव के एकत्रित पानी को पीने व जोड़ने के पानी को साफ करके खेती व अन्य कार्यों में प्रयोग किया जा सकता है।

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- **Team of Manav Rachna CAWTM** sensitizing the Gram Panchayats (Village leaders) and residents about the morphology, community interaction on Water Issues, agriculture practices for Efficient Water Usage, facilities and Water Practices to be followed for Clean Water, Conservation of Water and proper utilization under Atal Bhujal Yojna.



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Distribution of Water Test Kits by Manav Rachna CAWTM in Village Gram panchayats to ensure Clean Water Usage

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Water sample collection by Manav Rachna CAWTM in different Gram Panchayats for Water Testing



Testing of Surface and Ground Water Quality by Manav Rachna CAWTM in different Gram Panchayats

गांव नांगलजाट, अंधोप, गुदराना और बंचारी में किया जल सुरक्षा का निरीक्षण

देश के एक बड़े शहरों में मुजल संरक्षण की कमी को दूर करने के लिए ठोस को जल सुरक्षा योजना

डॉ. राजेश, प्रकाश

श्रीमान सिंधु विभाग के जल संरक्षण विभाग के अध्यक्ष डॉ. राजेश ने बताया कि अलग-अलग क्षेत्रों में जल सुरक्षा योजना को लागू करने के लिए हमें एक योजना बनानी होगी जो कि जल सुरक्षा को बढ़ावा देगी और जल को सुरक्षित रखेगी।



जल सुरक्षा की जांच के लिए डॉ. राजेश

डॉ. राजेश ने बताया कि अलग-अलग क्षेत्रों में जल सुरक्षा योजना को लागू करने के लिए हमें एक योजना बनानी होगी जो कि जल सुरक्षा को बढ़ावा देगी और जल को सुरक्षित रखेगी।

आलीमेव व पावसर में लोगों को सूक्ष्म सिंचाई अपनाने के लिए किया प्रेरित

डॉ. राजेश, इली

सिंधु विभाग के जल सुरक्षा विभाग के अध्यक्ष डॉ. राजेश ने बताया कि अलग-अलग क्षेत्रों में जल सुरक्षा योजना को लागू करने के लिए हमें एक योजना बनानी होगी जो कि जल सुरक्षा को बढ़ावा देगी और जल को सुरक्षित रखेगी।



लोगों को सूक्ष्म सिंचाई अपनाने के लिए किया प्रेरित

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गिरते जलस्तर को ऊंचा उठाने के लिए उठाए जाएं ठोस कदम

पलवल, 18 मई। उपायुक्त कृष्ण कुमार की अध्यक्षता में कैम्प कार्यालय में अटल भूजल योजना के संदर्भ में समीक्षा बैठक आयोजित की गई। उन्होंने योजना को सुचारू ढंग से क्रियान्वित करने वाले दिशा-निर्देश दिए। उपायुक्त ने उक्त कार्यों को पूरा करने के लिए टीम को निर्देश दिए कि जो भी डबल्यू.एस.पी. बनाए जाने हैं, उसके लिए सभी मुख्य विभागों की मदद ली जाए, ताकि भविष्य को ध्यान में रखते हुए पानी के गिरते हुए स्तर को रोका जा सके। इस संदर्भ में साप्ताहिक बैठक आयोजित की जाएगी। जिले के चार खंडों क्रमशः हथीन, पलवल, हसनपुर, होडल के गिरते भू-जल स्तर को ऊंचा उठाने के लिए ठोस कदम उठाए जाएंगे।

'हर खेत को पानी देना सिंचाई विभाग का लक्ष्य'



हर खेत को पानी देना सिंचाई विभाग का लक्ष्य

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लक्ष्यों को बढ़ावा देना सिंचाई विभाग का लक्ष्य

सिंधु विभाग के जल सुरक्षा विभाग के अध्यक्ष डॉ. राजेश ने बताया कि अलग-अलग क्षेत्रों में जल सुरक्षा योजना को लागू करने के लिए हमें एक योजना बनानी होगी जो कि जल सुरक्षा को बढ़ावा देगी और जल को सुरक्षित रखेगी।

Media Coverage of efforts of Manav Rachna CAWTM towards spreading Awareness among local communities for Clean Water and Sanitation

Areas of Action

- Geophysical Survey for Assessment of Aquifer potential and for Artificial Recharge
- Watershed Development Projects
- Groundwater modeling
- Remote Sensing and GIS data base management
- Constructed wetland using wastewater
- Water conservation and management
- Artificial Recharge using treated water / MAR Technology
- In-situ remediation for aquifer salinity and pollution
- Environmental Impact Assessment
- Earthquake Precursor Studies
- Sequestration Carbon Dioxide in Saline Aquifers
- Geo-Technical Assessment for Power Projects, rail-road, industrial, SEZ infrastructure.
- Water and Environment Audit, Environment Monitoring
- Training Modules on groundwater and environment for different target groups
- Imparting knowledge and capacity building of the stakeholders
- Ignite eco intelligence and make water educated society

Future Vision

- Groundwater recharge through treated waste water
- Use of waste water through constructed wet land
- Application of GIS for optimization and location of RWH structures in a watershed
- Climate change, mitigation and adoptive programs
- Up-gradation of insitu purification technology for management of saline aquifers
- Socio economic impact of climate change and RWH
- Instigate the scientific community to implement state of the art technologies such as MAR,ASR, induced recharge, aquifer remediation, tube well regeneration etc
- Resolve global warming/ cooling and climate change through clean Development Mechanism, CAWTM inventory and its geological storage
- Study different aquifer system, seismicity and its application as earthquake precursors and for energy, oil and gas storage



सदा सबके लिए शुद्ध जल
"Clean Water for all and forever"

Contact Us:

CAWTM, MANAV RACHNA INTERNATIONAL UNIVERSITY, FARIDABAD- 121001 INDIA

Dr D.K. Chadha
Chair Professor - Water Resources & Environment
dkchadha.chairprof@mriu.edu.in

Dr Sarita Sachdeva
Professor and Dean Research, FAS
dean.research@mriu.edu.in

Dr Arunangshu Mukherjee
Professor, FET
arunangshu.fet@mriu.edu.in

उन्नत जल प्रौद्योगिकी एवं प्रबंधन केंद्र

Center for Advance Water Technology & Management

Manav Rachna International University
Sector-43, Delhi-Surajkund Road, Aravalli Hills, Faridabad - 121004
URL: www.mriu.edu.in, URL: info@mriu.edu.in



About us

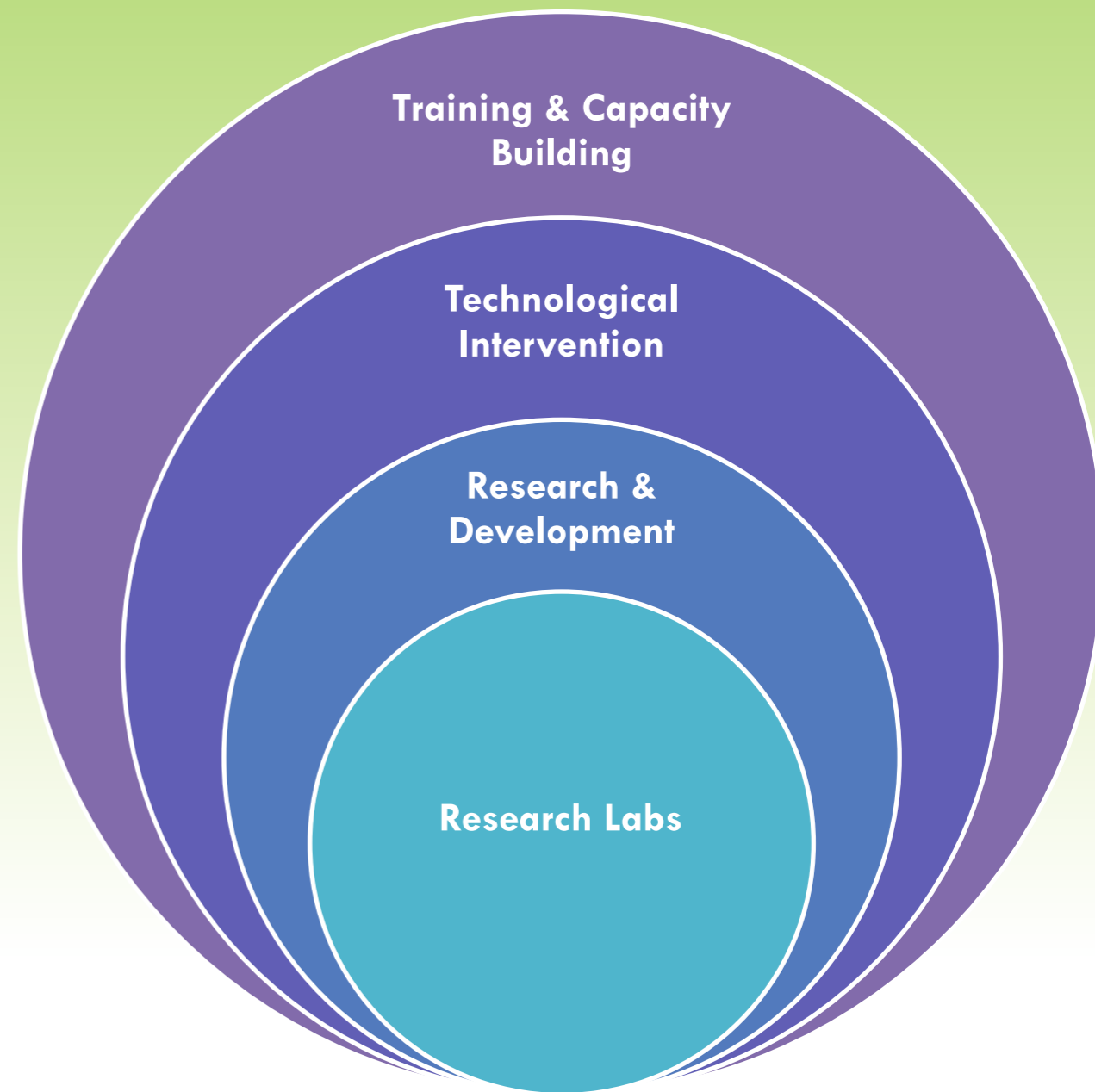
Centre for Advance Water Technology & Management (CAWTM) started bringing together a pool of professional from the field of Geology, Hydrogeology, Environment, Chemistry, Biotechnology and Civil Engineering to pursue research & consultancy and impart teaching & training programs in hydrology, water resources engineering, and water management. The centre aim to be a centre of excellence in addressing water challenges faced by community at local, regional and national level that have formidable scientific implications and significant practical relevance. It envisage providing a platform for the development, appropriate application of water technology; water quality analysis advancements; maximizing recycling of waste water, conservation of natural resources and management of environment through latest tools, technologies and strategies for sustainable development and outreach through knowledge transfer to our stakeholders.

We offer Professional Services for

- Water Resources Development and Management
- Artificial Recharge / MAR Technology using different water
- Aquifer remediation and Rehabilitation studies
- R&D in Groundwater Hydrogeology
- Lake & Reservoir Revival and Restoration
- River morphology and river rejuvenation
- Water and Waste water Treatment and Management
- Constructed Wetland using wastewater
- Community Training, Capacity Building & Woman empowerment, Social Awareness on water

Our Objectives

- Suggest solutions for mitigation of water and environment management problems
- Promoting professionalism in groundwater and environment issues.
- Undertake R&D studies in watershed management and artificial recharge (MAR)
- Protection and conservation of groundwater and Aquifer.
- Remote Sensing and GIS Study for groundwater and watershed
- Water harvesting and recharge structure.
- Restoration of Water body, Lakes and rivers
- Under take WaSH programmes in identified area.
- Bring publication, guidelines and reports for mass awareness, education and capacity building.
- Organize technical trainings, workshop, seminars and awareness comps etc. for various cross sections of the society on different aspects of groundwater and environment, regulatory guideline, artificial recharge and emerging technologies in water and environment protection



We expertise in comprehending aquifer system and utilizing them for various purpose

- Urban, Rural and Industrial planning for groundwater development and conservation
- Geophysical Survey and Groundwater Assessment Studies
- Adaptation against Climate Change for sustainability of water resource
- Geo sequestration of carbon dioxide to mitigate global warming
- Remediation for geogenic and anthropogenic contamination of groundwater
- Technological intervention for use of saline aquifer
- Watershed and Springshed management
- Locating sites for solid waste, industrial waste and hazardous waste disposal
- Water resources for new/existing infra-structure of industrial/SEZ/ Housing complex. Site selection and tube well/ bore well construction
- Study of Palaeochannels and its revival
- Urban hydrogeology and Karst hydrogeological studies





NATIONAL CONFERENCE

GROUND WATER MANAGEMENT IN MINING AND SOCIAL SECTORS

21ST SEPT, 2019 AT CMPDIL, RANCHI (JHARKHAND)

INDIAN CHAPTER OF INTERNATIONAL ASSOCIATION OF HYDROGEOLOGISTS (INC-IAH)
& SOCIETY OF GEO SCIENTISTS, JHARKHAND (SGSJ)



To,

Prof A. Mukherjee

Dept of Earth sciences & Environment

Manav Rachna International Institute of Research Studies

Faridabad

Dated: 19.9.2019

Sub: Request for Co-Chairman in the Technical Session-IV

Respected Sir,

This is for your kind information that Society of Geo Scientists, Jharkhand (SGSJ) and Indian Chapter of International Association of Hydrogeologists (INC-IAH) are jointly organizing the National Conference on **"Groundwater Management in Mining & Social Sectors"** at CMPDIL, Ranchi on **21st September, 2019** which will be attended by a number of Mining and Social Sector Professionals and Academics. You are requested to participate in the above said programme

It is also requested to your kind self to **Co-Chair the Technical session-IV**, Theme- **Ground Water Sustainability** at 14.30 hrs on 21st September 2019 at Mayuri Auditorium, CMPDIL, Ranchi.

A note of confirmation from your side is highly appreciated.

Thanking You.

Enclosure:- Programme

With sincere regards,

Anal Kumar Sinha

(DR. ANAL K SINHA)

Organising Secretary



Website:

www.iahindia.org & www.sgsjharkhand.com,

Contact No. :

Dr. Anal: 7762923277 & 7992346367, Dr. Sudhanshu: 9711063437,
Mr. Goutam : 9835710152, Mr. Pankaj: 9470943424,

GOVERNMENT OF INDIA

Phone : 0172- 5021961/ 5021962
Fax : 0172-2639500
Email : rdnwr-cgwb@nic.in

Central Ground Water Board,
North Western Region,
Bhujal Bhawan, Plot # 3-B,
Sector 27-A, Madhya Marg,
Chandigarh – 160 019

No. 4(67)/NWR/S&I/2019-

Dated: 12.12.2019

To,

✓ **Dr Arunangshu Mukherjee**

Prof & Head, ES&E and
Center for Advance Water Technology & Management
Manav Rachna International Institute of Research and Studies, Faridabad 121001
arunangshu.fet@mriu.edu.in

Subject: Initiation for delivering special guest lecture during PIP

Dear Dr Mukherjee

Central Ground Water Board, North Western Region, Chandigarh is organizing **People Interaction Programme (PIP)** in various parts of Haryana during Dec 2019 in association with **Manav Rachna International Institute of Research and Studies**. **The main purpose of this programme is to interact with students and teachers and educating them for Sustainable Development & Management of Ground Water Resources** and adopting the best practices towards conservation of water resources in individual capacity.

The target group would be students and teachers, villagers, PRI etc in 100-125 numbers. You are requested to accompany us and delivering special guest lecture during PIP in the following event as per the date mentioned below:

1. Mohna village, Ballabhgarh on 19.12.2019 ✓
2. KV-3, Faridabad, on 20.12.2019
3. Khoh village- Manesar, Gurugram, 21.12.2019

With Regards

SD/12/12/2019
(Dinesh Tewari)
Scientist "D"

[Handwritten signature]



GOVERNMENT OF INDIA

Phone : 0172- 5021961/ 5021962
Fax : 0172-2639500
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Central Ground Water Board,
North Western Region,
Bhujal Bhawan, Plot # 3-B,
Sector 27-A, Madhya Marg,
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No. 4(67)/NWR/S&I/2019-

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3. Khoh village- Manesar, Gurugram, 21.12.2019

With Regards

ST 9121
12/12/2019
(Dinesh Tewari)
Scientist "D"



[Handwritten signature]

GOVERNMENT OF INDIA

Phone : 0172- 5021961/ 5021962
Fax : 0172-2639500
Email : rdnwr-cgwb@nic.in

Central Ground Water Board,
North Western Region,
Bhujal Bhawan, Plot # 3-B,
Sector 27-A, Madhya Marg,
Chandigarh – 160 019

No. 4(67)/NWR/S&I/2019-

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With Regards



ST 9121
12/12/2019
(Dinesh Tewari)
Scientist "D"



GOVERNMENT OF INDIA

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Fax : 0172-2639500
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Central Ground Water Board,
North Western Region,
Bhujal Bhawan, Plot # 3-B,
Sector 27-A, Madhya Marg,
Chandigarh – 160 019
Dated: 17.12.2019

No. 4(67)/NWR/S&I/2019-

To,

Dr Arunangshu Mukherjee

Prof & Head, ES&E and

Center for Advance Water Technology & Management

Manav Rachna International Institute of Research and Studies, Faridabad 121001

arunangshu.fet@mrii.edu.in

Sub.: Invitation for delivering guest lecture during three Days Training (Tier II) on "Aquifer Information System and Aquifer Management Plan" from 02.01.2020 to 04.01.2020 at MRIIRS, Faridabad –reg.


Dear Prof Mukherjee

Central Ground Water Board, Ministry of Water Resources, River Development & Ganga Rejuvenation is implementing National Aquifer Mapping Programme in close coordination with States in the whole country to map aquifer information on 1:50,000 scale to generate aquifer maps and groundwater management plans. A key issue for effective implementation of the Aquifer mapping programme is availability of skilled manpower resource for all stages of the programme. In this regard, the Central Ground Water Board, North Western Region, Chandigarh under the aegis of National Ground Water Training & Research Institute, Raipur is conducting **THREE** days, State level Training on "Aquifer Information System and Aquifer Management Plan" from **2nd Jan, 2020 to 04th Jan 2020** (3 days) at **Manav Rachna International Institute of Research & Studies, Faridabad.**

The training programme is specially designed for State-level Groundwater Professionals and Sub-Professionals from State line departments, Institutes / academics and NGOs, Faculty Members/Research scholars/Students actively working in the field of water resources in the States of Haryana.

You are requested to delivering guest lecture during the event as per subject mentioned below:
Supply side Management of Groundwater through Rainwater Harvesting and Artificial Recharge
on 3rd Jan 2020 at 10 to 11.15 hrs

With Regards


(Dinesh Tewari) 17/12/2019
Scientist "D"





'समस्तो मा ज्योतिर्गन्ध'

Phone : 0129-2416602



K. L. MEHTA DAYANAND COLLEGE FOR WOMEN

K. L. MEHTA MARG, N.H. 3, N.I.T. FARIDABAD-121001
AFFILIATED TO M. D. UNIVERSITY, ROHTAK

Ref. No. 702/02/18/18

Dated 11/08/18

Dear

Research

MRIU

Subject: Talk on Water conservation

Madam,

You are requested to please allow **Dr. Arunashu Mukerjee**, Professor Center for Advance Water Technology & Mgt. for delivering a lecture in our college

14th Aug. 2018 at 12.30 p.m.

Thanking you,

Yours Sincerely,

Urvashi Singh
Officiating Principal
Women's Studies Centre
N.I.T. FARIDABAD

Urvashi Singh





Arunangshu Mukherjee <arunmuk102@gmail.com>

Training session on Rain Water Harvesting and Site Selection and Investigation for rain Water Harvesting.

3 messages

Ravindra Singh <exentrg7.cpwdacademy@gmail.com>
To: arunmuk102@gmail.com

Wed, Jul 26, 2017 at 3:16 PM

Dear Sir

Ravindra Singh <exentrg7.cpwdacademy@gmail.com>
To: arunmuk102@gmail.com

Wed, Jul 26, 2017 at 3:32 PM

Dear Sir

National CPWD Academy, CPWD Ghaziabad is organizing a Training Programme for its Engineers on the subject "Training session on Rain Water Harvesting and Site Selection and Investigation for rain Water Harvesting." on 22-09-2017 at 14.00 hrs to 17.15 Hrs.

for which you have been selected to deliver lectures/ share your valuable experience in the field of water conservation.

Kindly spare your time for this schedule and sent a line for token of acceptance of your presence .

yours sincerely

Er.Ravindra Singh
Executive Engineer Trg-VII,
National CPWD Academy,
CPWD, Ghaziabad
9810045376

Arunangshu Mukherjee <arunmuk102@gmail.com>
To: Ravindra Singh <exentrg7.cpwdacademy@gmail.com>

Wed, Jul 26, 2017 at 6:46 PM

Sir

Thanks for the opportunity given. I accept the offer to deliver the lecture.

Regards
Dr A Mukherjee

[Quoted text hidden]

