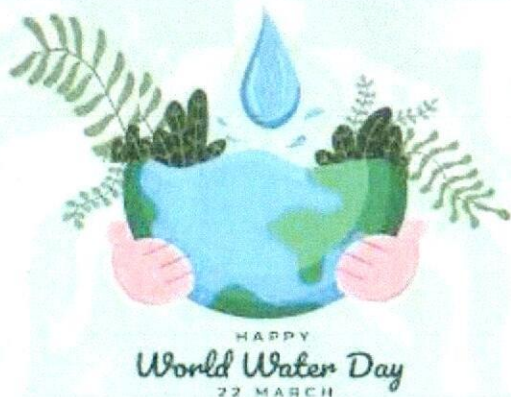


**M S RAMAIAH COLLEGE OF ARTS,  
SCIENCE AND COMMERCE**



**Groundwater**  
**Making The Invisible Visible**

**WEBINAR**

Organized by

**Environmental Committee**

**Date: 22 March 2022**

**Time: 11: 00 am -12:30pm**

**About World Water Day:**

World water day is an annual event celebrated on 22nd March of every year. In 1993, the first world water day was designated by the United Nations General Assembly and since, each year focuses on a different issue, to save and conserve water. This 2022, the focus is groundwater, an invisible resource with an impact visible everywhere. Exploring, protecting and sustainably using groundwater will be central to surviving and adapting to climate change and meeting the needs of a growing population.

**Objective of the programmes:**

- It mainly focuses awareness on importance of fresh water highlights its resources.
- To advocate for the sustainable management of water.

**About College:**

M. S. Ramaiah College of Arts, Science and Commerce was established in 1994 by our founder Late Dr. M S Ramaiah offering both undergraduate and post graduate degrees offered by Bangalore University in Arts, Science and Commerce and Management streams. The college is approved by AICTE, New Delhi, recognized by the Government of Karnataka. The college is also recognized by UGC under 2 (f) and 12 B of UGC Act 1956, re-accredited "A" grade by NAAC. The college offers seven 8 UG courses and 6 PG courses in Arts, Science, and Commerce, to around 2700 students

**About Department:**

Department of Biotechnology /Genetics is the application of the principles of Engineering and Biological Sciences to create new products from raw materials of biological origin.



It uses living organisms or their products to modify or improve human health, environment and entire ecosystem. Study of biotechnology is essential to enhance the skill set of students and to harness the living systems for the benefit of mankind and to address the issues of human and environment. Start of "Department of biotechnology and Applied Genetics" in the MSRCASC, established in the year 2000 offering both UG and PG programmes

#### RESOURCE PERSON:

**Navaneet Kumar R**

Project Associate  
Rain Water Harvesting Cell  
Karnataka State Council for  
Science & Technology (KSCST),  
IISc., Campus, Bengaluru.

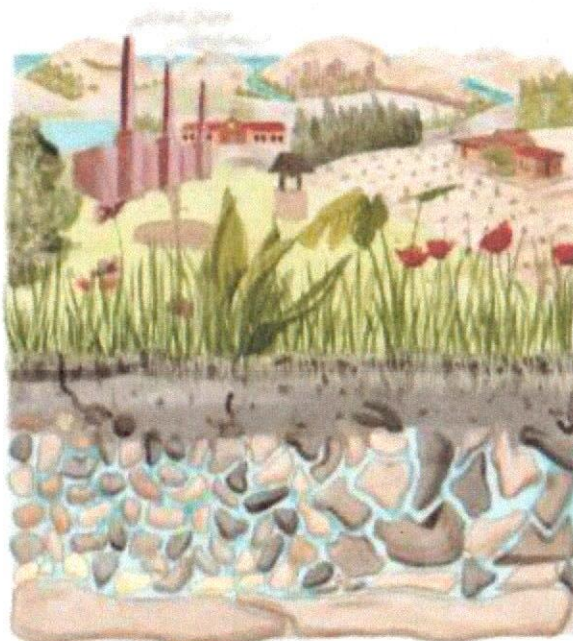
#### Designer for

Rainwater Harvesting & Water Conservation  
(Government Sectors)

#### CONVENOR:

**Dr. Jayashree D.R.**

jayashreedr2012@gmail.com  
Mobile: 9886272094



Out of sight, under our feet, groundwater is a hidden treasure that enriches our lives. Our drinking water and sanitation, our food supply and natural environment - all these rely on groundwater.

### "VALUE WATER"

#### WEBINAR PLATFORM DETAILS

Tuesday, March 22 ·  
11:00am – 12:30pm

Google Meet joining info

Video call link:

<https://meet.google.com/mef-rnoy-pzp>

#### PATRON

**Dr. M R Jayaram Hon'ble**

Chairman, GEF, Chancellor, RUAS

**Sri. M R Janakiram**

Hon'ble Director, GEF

**Sri. M R Kodandaram**

Hon'ble Director, GEF

**Sri. B S Ramaprasad**

Chief Executive, GEF (Engg & GS)

**Sri. G Ramachandra**

Chief of Finance, GEF(Engg & GS)

#### ORGANIZING COMMITTEE MEMBERS

**Dr. A Nagarathna**

Principal MSRCASC

**Dr. Jayashree DR**

Convenor Associate Professor  
Dept. Of Biotechnology/Genetics,

**Dr. Ramakrishna TN**

Assistant Professor  
Dept. of Biotechnology/Genetics.

**Dr. Sowbhagya R**

Assistant Professor  
Dept. of Biotechnology/Genetics.

**Mr. Surendra A.S.**

Assistant Professor  
Dept. of Biochemistry/Chemistry

**Mrs Ashwini M,**

Deputy IQAC Coordinator.





**RAMAIAH**

College of Arts, Science  
& Commerce

Resource Person

**NAVANEETH KUMAR R**

Designer for  
Rainwater Harvesting  
and  
Water Conservation  
(Government Sectors)



**Groundwater**  
Making The Invisible Visible

Event Co-ordinator

**Dr. Jayashree D. R.**

Associate Professor, BT and Gen

**WEBINAR**  
Organized by  
**Environmental  
Committee**

**Tuesday 22  
March, 2022**

**11:00am–12:30 pm**

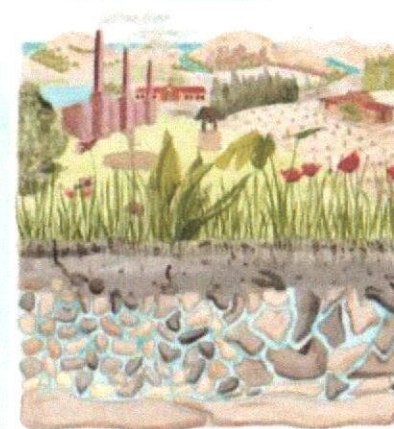
Video call link:

<https://meet.google.com/mef-rnoy-pzp>

**Guest of Honour**

**Dr. Nagarathna A**

*Principal, RCASC*



Out of sight, under our feet, groundwater is a hidden treasure that enriches our lives. Our drinking water and sanitation, our food supply and natural environment - all these rely on groundwater.

**"VALUE WATER"**

HAPPY  
**World Water Day**  
22 MARCH





**RAMAIAH**

College of Arts, Science &  
Commerce

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**M S Ramaiah College of Arts, Science and Commerce**

Re-accredited 'A' by NAAC, Permanently Affiliated to Bengaluru City University,

Approved by Government of Karnataka, Approved by AICTE, New Delhi,

Recognized by UGC under 2f & 12B of UGC act 1956



(National Institutional Ranking Framework, Ministry of Education, Govt of India)

Ranked 62<sup>nd</sup> in NIRF India Ranking by MHRD, New Delhi

DBT Star College Scheme

**Ref. No. MSRCASC/EC/2021-22/15**

**Date: 21-03-2022**

## **CIRCULAR**

### **Environmental Committee Department of Biotechnology & Genetics**

This is to inform that on the occasion of World Water Day - 2021, webinar is organized on the theme "Groundwater Making the Invisible Visible". In this regard all the faculties and students of UG/PG are hereby informed to attend webinar on Tuesday, 22<sup>nd</sup> March 2022.

**Time:** 11:00 am– 12.30 pm.

**Theme:** "Groundwater Making the Invisible Visible"

**Resource person:** Mr. Navaneet Kumar R

Project Associate, Rain Water Harvesting Cell,  
Karnataka State Council for Science & Technology (KSCST),  
IISc., Campus, Bengaluru.  
Designer for Rainwater Harvesting & Water Conservation  
(Government Sector)

#### **Webinar platform**

**Google Meet joining info:**

**Video call link:** <https://meet.google.com/mef-rnoy-pzp>

*D. S. Ramesh*

**Convener**

**Principal**

*Principal,*

**M.S. Ramaiah College of Arts, Science & Commerce**

**MSRIT Post, MSR Nagar**

**Bangalore - 560 054**

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**W** www.msrmcasc.edu.in

## WORLD WATER DAY-2022

### Programme Schedule

#### ENVIRONMENTAL COMMITTEE

#### Department of Biotechnology & Genetics

Tuesday, 22 March, 2022

- 11.00 AM : **Dr. A Nagarathna**  
Principal, RCASC  
Introduction about World Water Day
- 11.03 AM : **Dr. Channarayappa**  
HOD, Department of Biotechnology & Genetic, RCASC.  
Welcome Speech
- 11.05 AM : **Dr. Savitha**  
Introduction of Resource Person
11. 10 AM : **Mr. Navaneet Kumar R**  
Project Associate, Rain Water Harvesting Cell  
Karnataka State Council for Science & Technology (KSCST),  
IISc., Campus, Bengaluru.
- 12.00 PM : Interaction, with participants & any questionnaires
- 12.25 PM : **Dr. Jayashree DR**  
Associate Professor  
Vote of Thanks
- Anchoring : **Dr. Sowbhagya**  
Recording  
& feed back : **Dr. Rashmi**

*Principal,  
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Bangalore - 560 054*

## Report on World Water Day – 2022

World water day is an annual event celebrated on 22nd March of every year. In 1993, the first world water day was designated by the United Nations General Assembly and since, each year focuses on a different issue, to save and conserve water. This 2022, the focus is groundwater, an invisible resource with an impact visible everywhere. Exploring, protecting and sustainably using groundwater will be central to surviving and adapting to climate change and meeting the needs of a growing population.

The main Objective of the programmes, mainly focused on awareness and importance of fresh water resources and also, advocates for the sustainable management of water. 92 participants viewed the webinar.

Environmental Committee organized webinar on World Water Day Tuesday March 22 2022, theme for year Groundwater: Making The Invisible Visible from 11:00 am to 12:30 pm.

Webinar was according to the program schedule. It was started with invocational song and guest of honor was Dr. A. Nagarathna, Principal, addressing virtually. Welcome by Prof. Jayashree DR and Dr. Sowbhagya R. Introduction of resource person by Dr. Savitha G.

Resource person Mr. Navaneet Kumar R, Project Associate, Rain Water Harvesting Cell, Karnataka State Council for Science & Technology (KSCST), IISc., Campus, Bengaluru, Designer for Rainwater Harvesting & Water Conservation (Government Sectors), gave an awareness information on Rainwater harvesting and water conservation. Sir talked on wonderful marvels of our ancestors, their architecture for storage of water during droughts, viewing images of stepwells at different parts of Karnataka and other parts of India, talked about lakes of Bengalure acquired by many government, non-government and private agencies. He showed case studies of KSCST projects of restoring many polluted wells and management of Rain water conservation at various places in and around Bengaluru. Also, the first awareness of rain water harvesting implemented at Jayanagar by BWSSB named as Sir M. Visvesvaraya Rain Harvesting Theme Park. Interaction session with the audience was appreciated. Webinar was completed with vote of thanks.

  
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**Dr. A. Nagarathana Principal addressing the program virtually**



**Prof Jayashree Dr & Dr. Sowbhagya welcomed the gather**

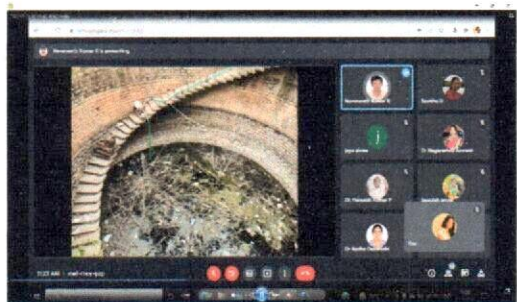


**Gadag Stepwell**

**Architectural marvels of stepwell, Karnataka; Storage of Rainwater by our ancestors to overcome drought**



**Chitradurga stepwell**



**Polluted stepwell: Before**



**Restored Stepwell: After**



**Lake map of Bengaluru**



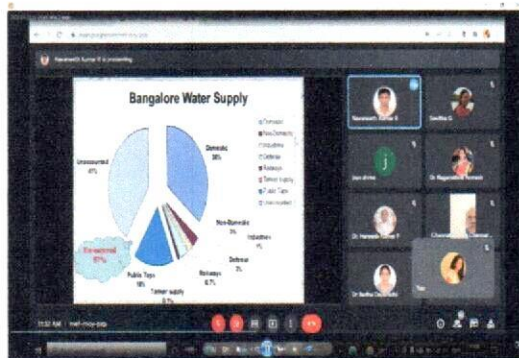
**Sampangi tank converted to Sports Stadium**

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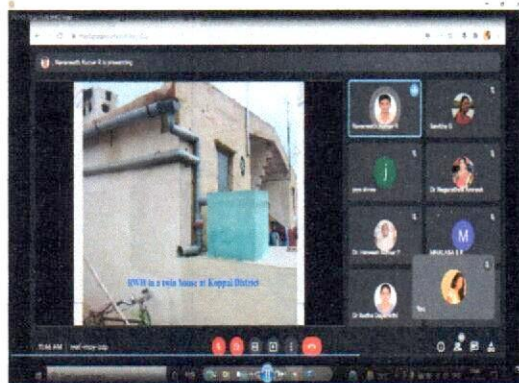


**Dharmabudhi tank converted to Bengaluru City Bus Stand Challagatta tank converted to Golf Course**



**Bengaluru water supply survey: pie chart**

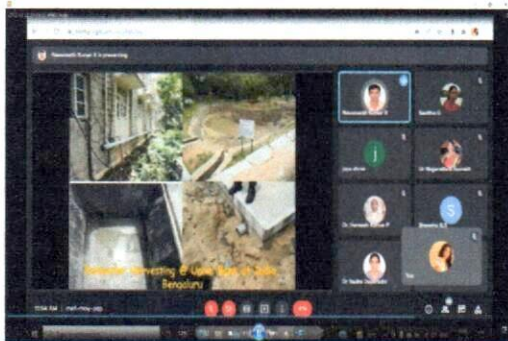
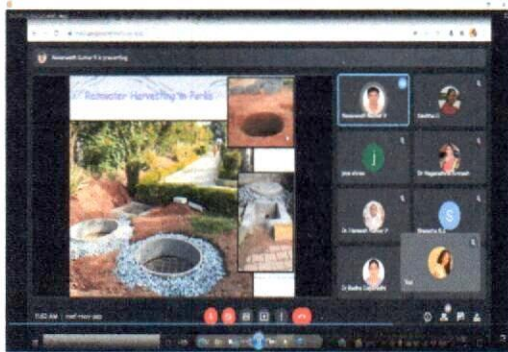
**People strutting for drinking water**



**Rainwater harvesting installed at Urban area and at rural areas**

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**Some of the building installed with Rain Water Harvesting, for water conservation in Bengaluru city**



### Participants on virtual mode



**First Rain Water Harvesting by BWSSB,  
Jayanagar, Bengaluru.**

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Committee Members

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