

NIFS has an Open Science Circle in electronic media (Vidu Nena Hawula). Since its inception in 2012, 500,000 individuals have obtained the services. Amongst them, a science quiz competition is conducted on an annual basis with over 4500 registered participants. The winner of 1st place of Vidu Nena Hawula for the year 2016-2017 was Mr.H.M.M.I.S.B. Herath, while 2nd and 3rd places were won by Mr.A.M.I.U Kumara & Ms. V.M. Anjalika respectively.

NIFS Annual Research Review

The keynote speech of Annual Research Review 2017 was delivered by Dr. Palitha Abeykoone, Chairman of National Authority on Tobacco & Alcohol plenary lectures were delivered by Prof. M.P. Ranaweera, Emeritus Professor of University of Peradeniya and Prof. Anandajayawardane, Director General, National Science Foundation. After the inaugural session and a short video presentation 15 scientists who are project leaders of NIFS presented the progress of their respective research projects conducted during 2017 attended by external reviewers, invitees and NIFS scientists.

evaluated by a three-member expert panel, to select the Most Outstanding Scientists – 2017. Based on their evaluation, Prof. M.A.K.L. Dissanayake, Research Professor of NIFS was awarded the first place while Prof. U.L.B. Jayasinghe, Senior Research Professor, NIFS and Prof. D.S.A. Wijesundara, Research Professor of NIFS received 2nd and 3rd places respectively.

The activities, achievements and research publications of the NIFS scientist for the year 2017 were

The Science Education & Dissemination Unit of

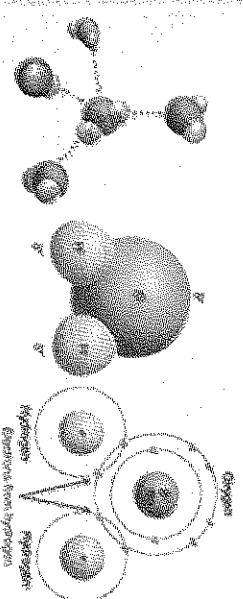
Dulip Navanapritya
Ministry of Science Technology & Research

The awards for most outstanding NIFS scientists and the medals for the winners of the Vidu Nena Hawula quiz competition were presented by Hon. Minister Susil Premjayantha.

The Drinkable Memory

Water is a vital ingredient for all life forms. About 70% of living cells contain water. As we know, water has many amazing properties and main among these is its ability to exist in all the three states of solid, liquid and gas. Further the fact that water is able to travel even to the top of the highest of trees using naturally created pressures and gravity, is amazing. Also, due to the high surface tension of water, it is possible for micro organisms to move on the surface of water. Moreover, water can absorb a large amount of heat, it is considered a very good cooling substance.

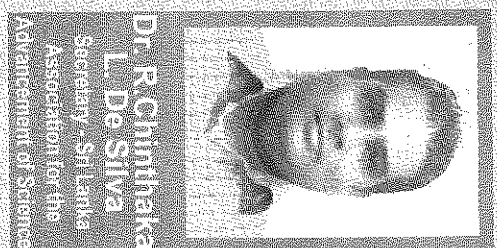
Light travels through water due to its colourless nature and this allows plants to grow in water and produce food by photosynthesis.



Water molecules are considered liquid substances. A combination of two hydrogen atoms with an oxygen atom form an angular shaped water molecule. The reason for the angular shape of the water molecule is the negative charge of electrons in oxygen relative to hydrogen.

Throughout world history, ancient kings have used water that was poured into silver cups as medicine. How did this quality come to water?

Science has now confirmed that water has a memory. It is to see the manner in which they behave in the test above. Even though we drink different types of water, the

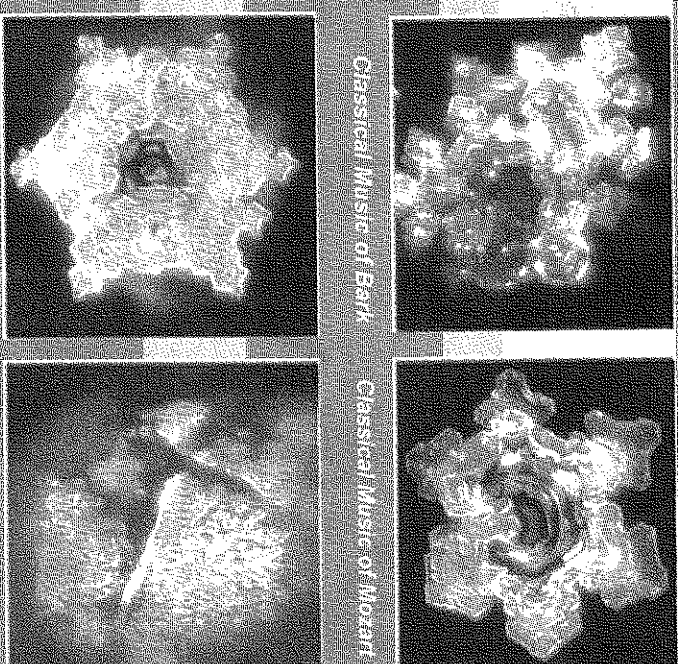


In water, You will be amazed to hear that memory is being stored in the water. Many researchers around the world have sought to study this. It was initially suspected that its chemical composition gave it this property but it was later discovered that it was not the chemical composition of the water molecule but the template of water which would store memory. Water molecules are come together according to a certain pattern and are called clusters. These cluster settings store memory. They store information in the same way cassettes record information. Similarly, it is found that the cluster structure or water clusters remain the same while the water molecules transfer within the cluster. If so, the water flows naturally from higher elevations to lower areas. But when considering a city, pressure causes water to be drawn through a tube and water is supplied through a closed system.

However, different shapes and forms of the clusters of water flow in the tubes and the clusters in flowing water can be clearly distinguished from stagnant water when observed under the microscope. Rocks, sand, soil or minerals flow naturally in clear water, creating clumps of clusters and eventually forming a solid body of water. Although water bottle manufacturers try to show that their water is pure and of good quality, bottled water is nothing but dead water artificially created with added minerals.

When you put natural water and mineral water into two similar looking bowls and have a dog drink from both, the dog will tend to drink from the bowl which contains natural water.

Dogs have highly developed senses and it is important to see the manner in which they behave in the test above. Even though we drink different types of water, the



Pattern changes according to the memory of the water. This may have an influence on our body. This however has to be further verified through research. In 1995 scientists made a magnificent observation. They had water listen to music and then rapidly froze it. This water was then examined for its cluster formations. There they observed that each cell had its own cluster pattern according to the varied types of music. In the experiments which were done by putting different flowers in water beakers, patterns which were unique to different kinds of flowers were identified when examining the water clusters.

They also observed that the microscopic forms of water clusters from the same water samples which were taken from the sources, appeared to be different from each other.

When considering all these aspects, it can be seen that even though we live on land, a huge amount of data is stored in the oceans and rivers around us. We cannot imagine how powerful man would be if we had a way of knowing this secret information about the universe.