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Newsflash

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Dear Sir or Madam

Welcome to the September newsflash of the Innovation Society.
We wish you an inspiring reading and we are looking forward to
receiving your feedback!

- Falling Snow contains microplastics
- Artificial muscles bloom and dance
- Nano-absorbers enable water production in deserts
- Algae-based water filter may save lives
- New SimplyNano 2 course in Zurich on the 13th of November

Kind regards

The Innovation Society

Falling Snow contains microplastics



Minute plastic particles, mostly the remains of garbage drifting in the ocean, broken apart by waves and UV-light, have been found in the sea, drinking water and even inside animals. Now researchers of the Alfred-Wegener Institute in Germany and the Swiss Institute for Snow and Avalanche Research have been able to show for the first time that such microplastics are also distributed by the atmosphere and carried to the most remote locations.

[Read more](#)

Artificial muscles bloom and dance



Researchers of the Korea Advanced Institute of Technology have developed a new, ultra-thin robotic muscle (or actuator), which is more durable and flexible than previous models and reacts more quickly to lower voltage.

[Read more](#)

Nano-absorbers enable water production in deserts



The scarcity of clean drinking water is a global problem, especially in hot and dry areas. But our atmosphere contains as much water as all lakes and rivers combined. Now researchers from the University of California in Berkeley have developed a solar-powered water harvester, which uses nanomaterials to turn ambient humidity into potable water.

[Read more](#)

Algae-based water filter may save lives



The availability of clean drinking water is a constant problem in Bangladesh, where over 15 million people live in extreme poverty. The high population density, lacking hygiene conditions and lack of clean water increase the risk of waterborne diseases. Only in the cities of Dhaka and Chittagong is piped drinking water widely available and even there only for a few hours a day. Leaky pipes mean that even this water may still be contaminated with lethal disease agents.

[Read more](#)

New SimplyNano 2 course in Zurich on the 13th of November

A new SimplyNano 2 course for teachers will take place in Zurich on the 13th of November. All participants will receive a full workshop. The course is in German.

The new SimplyNano learning workshops are teaching materials for secondary levels I and II and fully compatible with the new Lehrplan 21. They consist of a teacher's commentary book, as well as a folder of documentation for students. All documents are ready to be copied for lessons and ready to use for all MIST courses or project weeks.

[Register here](#)

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