
News letter - on making the difference.

"New Link in Chain of Life"

1. [Nemesis for Oil Spills: Bacterial Technology May Help Clean Up Gulf](#) "It's taken millions of dollars to cap it, and it could take billions more to clean it up. BP's oil spill in the Gulf of Mexico is acknowledged the environmental catastrophe of the century. But Tel Aviv University has a solution that may help "bioremediate" the remaining problems." sciencedaily.com
2. [New Link in Chain of Life](#) "Microbes Weave Poisonous Arsenic Into Their DNA, Upending Decades of Science" "Researchers on Thursday said they had bred microbes that absorb the notorious poison arsenic into their DNA, in an experiment that could rewrite the rules of life" <http://online.wsj.com>
3. [The great vanishing oil spill](#) -"Microbes may have eaten away at BP's oil in deep water; now the marshland needs help." Technologyreview.com
4. [Arid Israel recycles waste water on grand scale](#) "Thirty years ago, Israeli farmers faced a daunting choice -- find a new water source or go under. Their solution was waste water recycling... Businesses have thrived by developing the most efficient solutions, including an ultra-violet light purifier and a recycling system that uses millions of small plastic rings to breed bacteria and break down organic waste." scientific-american.com
5. [Gulf Spill Reveals New Oil-Eating Bacteria](#) "Researchers reporting in the journal Science say they have discovered a new species of oil-eating bacteria living half a mile down in the Gulf of Mexico". npr.org
6. [Simple Approach Could Clean Up Oil Remaining from Exxon Valdez Spill](#) "bacteria, evaporation, sunlight, and other items in Mother's Nature's clean-up kit work together to break down the oil and make it disappear. Scientists have known for years that adding nitrogen and phosphorus fertilizer to oil-contaminated soil can speed the growth of bacteria that decompose, or biodegrade, oil. But it has been uncertain whether oil that has lingered in the environment for almost 20 years still is biodegradable, leaving questions on whether further clean-up efforts might be worthwhile" Sciencedaily.com
7. [Bio-Based Compound Provides Substitute for Important Raw Material in Plastic Product](#) "NWO researcher Frank Koopman has made a bio-based compound that can act as a substitute for one of the most important raw materials for plastic products. The U.S. Department of Energy has awarded the new material a place in the top 12 of the most promising biological materials for the chemical industry." Sciencedaily.com
8. [A simple solution to a complex wastewater problem](#) "A simple device from Israel can render the delicate, complex problem of biological wastewater treatment perfectly manageable. israel21c.org
9. [Better Bugs for Oil Spills](#) "Scientists in Europe have sequenced the genome for an oil-eating bacterium, a move that could pave the way for faster and more efficient ways to clean up oil spills." Technologyreview.com
10. [Researchers Train Bacteria to Convert Bio-Wastes Into Plastic](#) "Researcher has 'trained' bacteria to convert all the main sugars in vegetable, fruit and garden waste efficiently into high-quality environmentally friendly products such as bioplastics." sciencedaily.com
11. [Universal Bacteria Specialist Develops Revolutionary Green Biocide](#)—"HOUSTON-Universal Bacteria Specialist (UBS) today announced the launch of a new Anolyte product to eliminate bacteria from the hydraulic fracturing of wells. This environmentally friendly biocide contains no harmful products and is 100 percent biodegradable." businesswire.com
- [Researchers Make "Baby Borg" Logic Gates for Bacteria Hive Computer](#) -daylitech.com