



# **1. Humanity's Impact on Our Ecosystems**

A newly-released international study led by researchers in the Faculty of Agriculture, analyzed pollution levels in some of the world's best-known rivers like the Amazon and the Mississippi and found that the Alexander River is polluted at levels comparable to a third world country. So just how is this all connected to the medicines we rely on for our wellbeing?






# 2.

## **An All-New Species of Spider**

An academic paper recently published by Dr. Efrat Gavish-Regev, has revealed a previously unknown species of spider discovered in Israel's southern Arava region. The find took place during an expedition to map the spider population, specifically intended to measure the effects of a devastating oil spill that had struck the area.



A background image showing a person in a white lab coat and blue gloves using a pipette to transfer liquid into a test tube. The scene is set in a laboratory with a window in the background.

# **3.**

## **The Path from Scientific Relevance to Practical Relevance**

**From The Marker**  
Prof. Uri Banin, founder of the Center for Nanotechnology at Hebrew University, together with Prof. Uriel Levy, the Center's current director, address advancing technologies that can make nano materials usable within the commercial marketplace for a variety of applications.



# 5.

## The Latest from HUJICast

### The Remarkable Bond Between Autism and Alzheimer's – Dr. Haitham Amal

Research conducted by Dr. Amal revealed that Autism and Alzheimer's share a common molecular structure that can lead to specific neurological disturbances. By better understanding this structure, we'll be better equipped to develop therapies and treatments for both conditions.