



News Ticker Science

+++ News Ticker Science #182 +++ Natural Products+++

05/06/2025 News| Created by Sylvia Pieplow|

Omani medicinal plant in the focus of phytochemistry

IPB scientists and partners from Dhofar University recently took a closer phytochemical look at the Omani medicinal plant *Terminalia dhofarica*. Terminalia is rich in...

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+++ News Ticker Science #181 +++ Machine Learning +++

04/16/2025 News| Created by Sylvia Pieplow|

Flavor is predictable: With FlavorMiner.

FlavorMiner is the name of the tool recently developed by IPB chemists and partners from Colombia. Based on machine learning, the program can predict the most important taste...

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+++ News Ticker Science #180 +++ Bioactives +++

12/20/2024 News| Created by Sylvia Pieplow|

Selective cancer drugs in the pipeline.

Peptide-drug conjugates (PDCs) are increasingly becoming the focus of cancer research, as they enable the targeted release of anticancer agents in tumor tissue. Like the established...

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+++ News Ticker Science #179 +++ Bioactives +++

12/06/2024 News| Created by Sylvia Pieplow|

Synthetic compounds increase the effect of chemotherapeutics on colon cancer cells.

Due to the rapid cell division rate of tumors, the surrounding tissue is often insufficiently supplied with blood and therefore poorly...

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+++ News Ticker Science #178 +++ Natural products +++

12/03/2024 News | Created by Sylvia Pieplow |

Plant metabolite inhibits biofilm formation of bacteria.

Methylerythritol cyclodiphosphate (MEcPP) is an intermediate of the conserved methylerythritol phosphate pathway (MEP), which leads to the biosynthesis of isoprenoids...

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+++ News Ticker Science #177 +++ Omics +++

11/20/2024 News | Created by Antje Hellmuth |

Omics insights into plant resilience to light stress.

Intense light conditions stress the plant as they increase the formation of reactive oxygen species (ROS) in cells, which damage molecules critical for biological...

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+++ News Ticker Science #176 +++ Mycology +++

10/29/2024 News | Created by Sylvia Pieplow |

New fungus species - new bioactives.

IPB scientists have recently discovered a new species of fungus in Chile's Nahuelbuta National Park. The official species name is *Cortinarius steglichii* N. Arnold, Palfner, Peintner,...

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+++ News Ticker Science #175 +++ Plant defense +++

09/06/2024 News | Created by Sylvia Pieplow |

Metabolic arms race between plant and fungus: New barley phytoalexins with amazing effects.

Plant pathogenic fungi pose a major threat to agricultural yields, a concern becoming increasingly relevant in our latitudes due to...

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+++ News Ticker Science #174 +++ CRISPR +++

09/04/2024 News

CRISPR/Cas optimization: New assay for efficiency comparison.

The CRISPR/Cas system is an established gene editing tool, which is continuously refined to create more precise and efficient variants that are optimized for...

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+++ News Ticker Science #173 +++ Computational Chemistry

08/28/2024 News | Created by Sylvia Pieplow

Hyperactive enzymes through complex formation with customized polymers.

The use of enzymes as a substitute for chemical catalysts is becoming increasingly important in synthetic chemistry. In this context, boosting enzyme...

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