

## Applied Plant And Animal Biology

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### Applied Plant And Animal Biology

A team of scientists has devised a more accurate way to predict the effects of climate change on plants and animals—and whether some will survive at all.

#### Better predicting how plants and animals will weather climate extremes

Meat-substitute manufacturers have gone to great lengths to make the plant-based product as ‘ meaty ’ as possible, including adding an iron-carrying molecule from soy, and red beet, berries and carrot ...

#### Lab analysis finds plant-based and real meat are not nutritionally equivalent

Glyphosate-based herbicides (GBH) are commonly applied to many outdoor environments and are widely used in agriculture and forestry. Scientists have now suggested that these herbicides can linger in ...

#### Glyphosates Can Linger, Cause Plant Infertility

Focusing on the amazing expansion of microbial diversity and the many facets of plant and animal microbiomes, we are excited to announce a new *\_PeerJ Life & Environment\_* Special Issue edited by ...

#### Animal- and Plant-Microbe Interactions Biology

The performance of different plant cultivars or treatments under the ... Randomisation of treatments - must be applied randomly to the test area, to eliminate bias when measuring treatment effects.

#### Plant and animal breeding

A team of Canberra scientists is creating fat from microorganisms to add taste, texture and aroma to plant-based foods.

#### Canberra scientists creating fat from microorganisms to add flavour and texture to plant-based foods

Plant-based meat substitutes taste and chew remarkably similar to real beef, and the 13 items listed on their nutrition labels – vitamins, fats and protein – make them seem essentially equivalent. But ...

#### Plant-Based Meat Alternatives Not Nutritionally Equivalent to Meat

And while some animals and humans might find ways to adapt to our changing ... to engineer insects (as described in the video below); now the tool has been applied to plants. The research has been ...

#### Towards More Efficient Plant Engineering with CRISPR-Cas9 Gene Drive

A new study, led by Stephan van Vliet of the Duke University Molecular Physiology Institute, has attracted attention owing to its premise: If we dig down, really far down, do plant-based meat ...

#### Study Finds Nutritional Differences Between Beef and Plant-Based Alternative

Using an unusually well-preserved subfossil jawbone, a team of researchers—led by Penn State and with a multi-national team of collaborators including scientists from the Université d'Antananarivo in ...

#### Newly sequenced genome of extinct giant lemur sheds light on animal's biology

A collection of Biology resources for Years 8 / S2 covering cell structure, the differences between animal and plant cells and specialised cells. A Biology collection for Year 8 / S2 covering ...

#### Year 8 and S2 Biology Topics

A team led by researchers from Barcelona has discovered that two proteins, which are involved in the control of stem cells' division in plant roots, need each other for these cells to function ...

#### A protein complex from plant stem cells regulates their division and response to stress

This technique may possibly be applied as an alternative to classical drug tests using experimental animals. “ Vitrigel® ” is regesterde trademard of the NIAS. Animal Immune and Cell Biology Research

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Animal Immune and Cell Biology Research Unit

CRRRI ' s systems and synthetic biology research will be applied to the study of root metabolism and its influence on root-interactions with soil microbes for improved plant health. Research will focus ...

REU: Systems Biology of Plant and Microbiome

The U of A System Division of Agriculture has appointed Ken Korth, professor of plant pathology, as head of the Department of Entomology and Plant Pathology.

Ken Korth Appointed Head of Department of Entomology and Plant Pathology

Fruit Attraction, a trade fair organised by IFEMA MADRID and FEPEX, will hold a new edition from 5 to 7 October aimed at promoting the sector ' s compet ...

Fruit Attraction 2021 Incorporates New Areas of Innovation, Research and Technology

A research team's deeper examination of the nutritional content of plant-based meat alternatives, using metabolomics, shows they're as different as plants and animals. Beef contained 22 metabolites ...

Lab analysis finds near-meat and meat not nutritionally equivalent

So if you need sodium to survive - and all animals do ... State's Department of Applied Ecology. "Phosphate is the most readily available form of phosphorus for uptake by plants, and often ...

The evolution of good taste

Jada Carter, who recently graduated cum laude from CSUMB with a degree in biology, embodies an impressive range of diversity in their personal life, academic path, and future career in science — while ...

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