The Society for Molecular Biology & Evolution > HOME
The Society for Molecular Biology and Evolution is looking for evolutionary biologists with an active research program to lead its journal Molecular Biology and Evolution as Editors-in-Chief (EiCs). The EiCs have the opportunity and responsibility to contribute to the advancement of our field and the success of the journal, hence SMBE itself.

Molecular Biology and Evolution
Molecular Biology and Evolution (MBE) regulation of lysosomal digestion, and protection against oxidative stress. Furthermore, the genome encodes a programmed cell death pathway that potentially controls the evolutionary history of crops, including identifying wild relatives, helps to provide insight for conservation and crop breeding.

Plant Science and Molecular Biology
30/9/2021 · 4th Edition of Global Conference on Plant Science and Molecular Biology 2019 Report:. Magnus Group once again successfully hosted one of its editions of Global Conference on Plant Science and Molecular Biology during September 19-21, 2019 in London, UK. We extend our heartfelt thanks for our moderators Lauren M. Lazaro from Louisiana State University AgCenter, ...

Plant Biology Conferences 2022 | Plant Biotechnology
30/8/2021 · 5th Global Congress on Plant Biology and Biotechnology (GPB 2021) Report. GPB 2021 held during March 22-24, 2021 with the theme A drive to thrive plant sciences was an successful event which helped participants to share and learn recent advances in the field of Plant Biology and Biotechnology. Plant Biology Conference 2021 opened with keynote presentations ...

Tamil Nadu Agricultural University
Diploma Admissions 2021-22 UG Admissions 2021-22 - Last date for applying is extended upto 18.10.2021 PG Admissions 2021-22 - Last date for applying is extended upto 25.10.2021, 11:59 PM To engage Contractual Teaching Assistant on consolidated salary - Entrance Examination - Application called for DBT-GAT B PG Admission 2021-22 is closed

Methods and Techniques in Molecular Biology | List of High
Molecular Biology methods used to study the molecular basis of biological activity. Most commonly used methods are protein methods, immunostaining methods, nucleic acid methods. These methods used to explore cells, their characteristics, parts, and chemical processes, and pays special attention to how molecules control a cell’s activities and growth.

Leibniz Institute of Plant Genetics and Crop Plant
14/9/2021 · The Leibniz Institute of Plant Genetics and Crop Plant Research (IPK) is a nonprofit research institution and a member of the [link]Leibniz Association. The Institute is the initiator and center of the Biotech Campus Gatersleben in central Germany.

Advances in Crop Science and Technology- Open Access ...
Index copernicus value 84.95. Advances in Crop Science and Technology is the field dealing with the selection, Breeding, Crop productivity, Seed production, Organic cover crops, Crop technology transpiration, Field crops research, domestic animals, Crop and irrigation technology. The goal of the journal is to provide an Open Access platform for researchers to share their expert ...

(pl.) algae Any member of a diverse polyphyletic group of photosynthetic, eukaryotic, mostly aquatic organisms ranging from simple unicellular microalgae to massive colonial or multicellular forms such as kelp. Algae may reproduce sexually or asexually, and are often compared to plants, though they lack most of the complex cell and tissue types that characterize true plants. ...

Genetically Modified (GM) Crops: Techniques and
The era of scientific crop improvement dates back to around 1900, when the impact of Gregor Mendel’s studies on trait inheritance in peas became widely recognized. Since then, a broad range of techniques has been developed to improve crop yields, quality, and resistance to disease, insects, and environmental stress.

All Categories | Society for Science
Molecular Biology (MOL): The study of biology at the molecular level. Chiefly concerns itself with understanding the interactions between the various systems of a cell, including the interrelationships of DNA, RNA and protein synthesis and learning how these interactions are regulated, such as during transcription and translation, the significance of introns and exons or ...

New articles: Molecular Plant - Cell
2/8/2021 · Accumulation of toxic metals and metalloids such as arsenic, cadmium, lead and mercury in food crops can affect food safety and human health. We review the molecular mechanisms and regulations of their uptake, transport and detoxification, and crop improvement strategies to reduce their accumulation in the edible parts.

Whitely hijacks a plant detoxification gene that
Affiliations 1 Department of Plant Protection, Institute of Vegetables and Flowers, Chinese Academy of Agricultural Sciences, Beijing 100081, China.; 2 Key Laboratory of Molecular Biology of Heilongjiang Province, College of Life Sciences, Heilongjiang University, Harbin 150080, China.; 3 Department of Entomology, University of Kentucky, Lexington, KY 40546-0091, USA.

Graduate Degree Programs | Graduate School | Washington
Molecular Biosciences - Professional Science Master’s | Master’s | Professional Science Masters in Molecular Biosciences | Plant Biology | Master of Science | Plant Biology | Plant Biology Radiation Protection, Graduate Certificate | Graduate Certificate | Radiation Protection GC

Agrobacterium-Mediated Plant Transformation: the Biology
INTRODUCTION. Twenty-five years ago, the concept of using Agrobacterium tumefaciens as a vector to create transgenic plants was viewed as a prospect and a “wish.” Today, many agronomically and horticulturally important species are routinely transformed using this bacterium, and the list of species that is susceptible to Agrobacterium-mediated transformation seems to ...

SIPS Plant Pathology & Plant-Microbe Biology Section | CALS
We are making new scientific discoveries about the interactions between plants and microbes and developing innovative solutions to address the challenges of 21st century agriculture across the globe. We offer students and postgraduate scholars unparalleled opportunities to study the origins and consequences of plant diseases. At the same time, we provide essential information to ...

Stress Biology | Home - Springer
Plant viruses cause diseases in all field, vegetable and fruit crops, causing dramatic losses in productivity; understanding plant-virus interactions, from ecology to molecular biology, is an essential stepping stone for the rational design of anti-viral crop protection strategies.

BMC Plant Biology | Editorial board
Genetics and crop biotechnology Salah Abou-Elwafa, Assiut University, Egypt Institute of Plant Protection, Chinese Academy of Agricultural Sciences, China. Genomics and evolution Centre for Cellular and Molecular Biology, India Petri Smykal, Palacky University in Olomouc;

Methods and Mechanisms for Genetic Manipulation of Plants
Simple Selection. The easiest method of plant genetic modification (see Operational Definitions in Chapter 1), used by our nomadic ancestors and continuing today, is simple selection. That is, a genetically heterogeneous population of plants is inspected, and “superior” individuals—plants with the most desired traits, such as improved palatability and yield—are selected for continued propagation.

Free Agriculture Books Download | Ebooks Online Textbooks
Protected Cultivation And Post Harvest Technology. This note covers the following topics: Greenhouse technology, plant response to greenhouse environment, Planning and design of greenhouses, Irrigation system used in greenhouses, rules of watering, Greenhouse equipment, Components of greenhouse, Greenhouse drying methods and applications, Cleaning and ...

Botany - Wikipedia
Botany, also called plant science(s), plant biology or phytology, is the science of plant life and a branch of biology. A botanist, plant scientist or phytologist is a scientist who specialises in this field. The term “botany” comes from the Ancient Greek word βοτάνη (botânē) meaning “pasture”, “herbs”, “grass”, or “fodder”; βοτάνη is in turn derived from βουτεῖν (boušein).

University of Debrecen Biology and Environmental Sciences, PhD
Faculty: Science and Technology Starting date: September/February Duration: 8 semesters Language requirements: English language proficiency (TOEFL 547 /IELTS 6.0/oral examination) Academic requirements: Relevant Master degree Tuition Fee: 6,500 USD/year One time fees: application fee 150 USD, entrance procedure fee 350 USD Short description: The doctoral ...

Zymergen - We Make Tomorrow
Leveraging Zymergen’s vast molecular library – the largest metagenomic database in the world by a factor of ten – and deep expertise in synthetic biology, FMC will dramatically accelerate development of new and innovative crop protection products. Dr Kathleen Shelton, CTO

150+ Best Biology Research Paper Topics - Studyclerk.com
6/20/2020 · Biology is the study of living organisms that covers their origin, anatomy, physiology, development, evolution, and behavior. A biologist could study a wide array of options, such as animal and plant cell structure, human DNA, neurobiology, stem cells treatments, immunology, hormones, and much more.

Biology | An Open Access Journal from MDPI
2/9/2011 · Biology is an international, peer-reviewed, open access journal of biological sciences published monthly online by MDPI. Open Access — free for readers, with article processing charges (APC) paid by authors or their institutions. High Visibility: indexed within Scopus, SCIE (Web of Science), PubMed, PMC, AGRICOLA, CAPlus / SciFinder, and many other databases.

Plant Science Conference | Plant 2021 | Plant webinars
The webinar aims together an exciting scientific programme focused on Plant Proteomics & Phenomics, Plant Pathology, Plant Genomics & Genetics, Environment and Soil Science, Plant Tissue Culture, Pest Management, Plant Molecular Biology, Plant Breeding and Development, Plant Biochemistry and Plant Physiology, Plant Tissue Culture and Biotechnology, Plant Microbiology, ...

List of biology articles for students is designed by the subject experts who consider these topics as most important in view of examination. BYJU’S provides you with the list of biology articles which directs to the brief detailed article in a single click.

Volume 72, 2021 | Annual Review of Plant Biology
The improvement of crop productivity has been ongoing for almost 10,000 years and has evolved from an experience-based to a knowledge-driven practice over the past RNAI and roles for EVs in crop protection, genetics, genomics and molecular biology, cell differentiation, tissue, organ and whole plant events, acclimation and adaptation.

Ecology and Evolutionary Biology - University of Toronto
The Ecology & Evolutionary Biology Specialist program (12.0 credits) provides an in-depth understanding of ecological and evolutionary patterns and processes, as well as the diversity of life forms (microbes, fungi, plants, animals). Concepts are taught using a broad array of approaches, including molecular studies, laboratory experiments, computer and mathematical modeling, and ...

Major in Zoology < Colorado State University
Soil and Crop Sciences; Business Topple Business. students may focus on general training in animal biology or choose a concentration in the following areas: animal behavior, development, aquatic biology, ecology (how animals adapt to their environments), genetics and evolution, invertebrate organisms, cellular/molecular biology and genetics.

Journal of Crop Science and Biotechnology | Home
1/10/2021 · Crop Science and Biotechnology [CSB) is a peer-reviewed international journal published five times a year CSB publishes novel and advanced original research articles on topics related to the production science of field crops and resource plants, including cropping systems, sustainable agriculture, environmental change, post-harvest management, biodiversity, crop ...

The Philippines - State-of-the-art Crop Biotechnology
30/9/2021 · The Philippines September 30, 2021 · Agriculture Secretary William D. Dar led the inauguration of the state-of-the-art Crop Biotechnology Center (CBiC) of the Department of Agriculture that will develop various plant products to help ensure food security and enhance the competitiveness of Philippine agriculture, Sept. 30.

Artificial Selection - Biology Dictionary
27/10/2020 · Artificial Selection Examples. In the field of biology, artificial selection covers a whole host of subtopics. One can implement artificial selection to eradicate disease, increase yield per acre, lower competition within an ecosystem, or produce a new color in a breed of dog. With recent strides in the uncovering of the genetic sequences of a long list of organisms, it is ...

Homepage - Institute of Agricultural Sciences - Institute
The mission of the Institute of Agricultural Sciences (IAS) is to promote the creation and dissemination of knowledge about agricultural ecosystems and their complex interactions with the broader environment and human society. The IAS addresses current and emerging challenges to ensure the long-term sustainability of agricultural production and food systems to meet human ...

Genetically Modified Corn— Environmental Benefits and Risks
13/10/2003 · Box 1. Bt Technology. Bacillus thuringiensis, a soil bacterium, produces several crystal (Cry) protein toxins that destroy the gut of invading pests, such as larval caterpillars. So far, over 50 cry genes have been identified and found to affect insect orders differently. Considered safe to humans, mammals, and most insects, Bt has been a popular pesticidal spray since the 1960s ...

School of Biological Sciences - About - UEA
The School of Biological Sciences is home to exceptional research and dynamic collaboration. We’re a school of diverse students, driven researchers, curiosity, and novel discoveries. Our interests span the biological sciences, from biochemistry to microbiology, cell biology, biomedicine...
isolated populations in India are vulnerable to COVID-19: researchers

How can we protect coral reefs from rising ocean temperatures? The solution may lie in their microbiome, according to new research by American scientists at Penn State University. This new study suggests that the small, isolated populations of India are more susceptible to Covid-19, as per a press release from the Centre For Cellular And Molecular Biology.

**small, isolated populations of India more susceptible to COVID-19: centre for cellular and molecular biology**

Scientists from the Centre for DNA Fingerprinting and Diagnostics here and Banaras Hindu University (BHU) have found that several isolated and indigenous people such as Andaman Islanders with long DNA

isolated populations in India highly vulnerable to COVID, utmost protection needed: researchers

Here in Biosphere 2, the world’s largest controlled environment dedicated to climate research, scientists can tinker with scaled-down ecosystems by switching off sprinklers and cranking up the

biosphere 2: the once infamous live-in terrarium is transforming climate research

In India, isolated populations are vulnerable to coronavirus. Coronavirus SARS-CoV-2 has impacted various ethnic groups all over the world.

**study says isolated populations in India vulnerable to COVID-19**

Isolated populations in India are vulnerable to Covid-19, says a joint study by researchers from the Centre for Cellular and Molecular Biology (CCMB), the Banaras Hindu University and some other

isolated populations in India vulnerable to COVID-19, says study

An interview with Zhu Chen, Director of the Chinese National Human Genome Centre of Shanghai and Vice President of the Chinese Academy of Sciences

**China’s leap forward in biotechnology**

Scientists discovered an incredibly rare fossil suspended in 16 million-year-old amber: a never-before-seen species of tardigrade, a pudgy, aquatic critter that rarely crops up in the fossil record.

tardigrade trapped in amber is a never-before-seen species

Every spring and fall, the Nellis Natural Resources Program surveys Nellis Air Force Base, Nev., and the Nevada Test and Training Range for signs of Mojave desert tortoise

nellis natural resources program strives to protect mojave desert tortoise population

Biologists have found that mother roundworms can pass stress signals to future generations. The biologists report a mother roundworm exposed to a stressor can even under certain conditions pass the

stress on mothers can influence biology of future generations

Marrone Bio Innovations Inc. MBII recently announced that it is advancing three novel bioherbicides in its research and development (R&D) pipeline. This will further bolster its position as a leading

marrone bio (mbii) herbicides enter late-stage development

Raven Baxter, a.k.a. “Raven the Science Maven,” is a role model for many with her music video, science teaching and other work. Having ADHD, she says, has helped her creativity.

**black female biologist tests, entertains and explains science on tv, social media**

Malignant tumors can enhance their ability to survive and spread by suppressing anti-tumor immune cells in their vicinity, but a new study has uncovered a new way to counter this immunosuppressive