

NEWSLETTER

Newsletter

Issue No.17

September 2005

Inside this issue

رسالة المكتبة

المكتبة كيان للإشعاع الثقافي العلمي مهمته نشر العلم و الثقافة في
مجتمع الكلية و الجامعة و البيئة المحيطة.

- From the editor

من المحرر

- Science News

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يأتى الصيف دائما ومع الحصاد ، فالمزارع يحصد قمحه والطالب
يحصد نتيجة عمله ، والأستاذ يحصد ما زرعه فى تلاميذه . والحصاد يعنى
تقييم الغرس والزرع ، هل نسى أحدنا ان يقيم حصاده ؟ .

فى هذا الوقت يقيم الطلاب المقررات التى درسوها ويقيم الأستاذ أداءه
وتقيم الكلية إدارتها ، فماذا بعد التقييم ؟ هل لدينا نقاط تحتاج المراجعة
والتصحيح ؟ كيف نصححها ؟. سيظهر لنا ما نستطيع تصحيحه نحن أنفسنا
دون حاجة للآخرين . فالتقييم طريقة حياة وثقافة مجتمع ووسيلة التغيير
والتقدم ولذلك يجب أن نقوم بها بكل دقة وأمانة وموضوعية وإصرار على
التغيير حتى لا يفرغ التقييم من مضمونه ويصبح شكلياً .

ومع الحصاد لا ننسى أن نهنيء أنفسنا بعلمائنا الشبان الذين حصدوا
ثلاث من جوائز الدولة التشجيعية ، د . حسن رشاد فى النبات و د . هانى
الشمي ود . جمال الباروطى فى الكيمياء .

ونهنئ أساتذة الكلية الذين حصلوا على جوائز فى اليوم الأول لتسويق
البحوث العلمية ا.د. احمد هلال الحطاب ود. كوثر القماح ومشاركيهم فى هذه
البحوث . فهنئنا للحاصدين ما حصدوا فقد حصدوا ما زرعوا .

Science News

Posted 2005-09-1

It's Electric: Cows Show Promise As Powerplants

A new study suggests that some of the microorganisms found in cow waste may provide a reliable source of electricity. Results showed that the microbes in about a half a liter of rumen fluid -- fermented, liquefied feed extracted from the rumen, the largest chamber of a cow's stomach -- produced about 600 millivolts of electricity. That's about half the voltage needed to run one rechargeable AA-sized battery.

[www. animalscience.com](http://www.animalscience.com)

Posted 2005-09-5

Bioinsecticide For Combating A Pest That Affects The Tomato And The Green Bean

The tomato fruit worm is the name given to an insect pest which, due to its polyphagous character, causes very serious damage to a number of plants, such as the tomato and the green bean. Thus, a Crop Protection research team from the Public University of Navarra have started work on developing a bioinsecticide that can be used as an alternative control measure.

[www. animalscience.com](http://www.animalscience.com)

Posted 2005-09-5

K-State Researchers Study Insects' Immune System

How insects avoid getting diseases they can carry and spread to humans is the focus of research at Kansas State University. Mike Kanost, university distinguished professor of biochemistry and head of the department of biochemistry, and researchers in his lab are studying how

insects protect themselves against infection. They think the answer lies in insects' blood, specifically proteins.

[www. animalscience.com](http://www.animalscience.com)

Posted 2005-09-6

Olive Oil Contains Natural Anti-inflammatory Agent

A naturally occurring chemical found in extra-virgin olive oils is a non-steroidal anti-inflammatory agent, report scientists from the Monell Chemical Senses Center and collaborators. Named oleocanthal by the researchers, the compound inhibits activity of cyclooxygenase (COX) enzymes, a pharmacological action shared by ibuprofen. The finding is significant because inflammation increasingly is believed to play a key role in a variety of chronic diseases.

[www. animalscience.com](http://www.animalscience.com)

Posted 2005-09-7

Why Are Birds' Eggs Speckled?

Most perching birds lay eggs speckled with reddish protoporphyrin spots toward the egg's blunt end. Evidence in a paper by Gosler, Higham & Reynolds soon to appear in *Ecology Letters* suggests that rather than giving a visual signal, protoporphyrins strengthen the eggshell by compensating for reduced eggshell-thickness caused by calcium deficiency. Pigment spots on great tit eggs specifically marked thinner areas of shell, and females nesting on low-calcium soils, laid thinner-shelled, more-spotted eggs.

[www. animalscience.com](http://www.animalscience.com)

Posted 2005-09-12

**New Method Shows Mushrooms
A Top Source For One
Antioxidant**

Using a new, more sensitive-testing approach they developed for fungi, Penn State food scientists have found that mushrooms are a better natural source of the antioxidant ergothioneine than either of the two dietary sources previously believed to be best.

[www. animalscience.com](http://www.animalscience.com)

Posted 2005-09-15

**University College London
Study Shows Beans Beat Cancer**

Scientists have discovered a new and potent anti-cancer compound in everyday food. The collaborative study led by UCL (University College London) shows that the compound - inositol pentakisphosphate - found in beans, nuts and cereals inhibits a key enzyme (phosphoinositide 3-kinase) involved in tumour growth. The findings, published in the latest issue of Cancer Research, suggest that a diet enriched in such foods could help prevent cancer, while the inhibitor offers a new tool for anti-cancer therapy.

[www. animalscience.com](http://www.animalscience.com).

Posted 2005-09-20

**New Insight Into How
Burdensome Weed Climbs
Surfaces**

The way in which a problematic weed overruns and secures itself to crops and man-made structures--and how it clings to the surfaces it climbs--has been revealed by Agricultural Research Service scientists.

[www. animalscience.com](http://www.animalscience.com)

Posted 2005-09-21

**New Tools Used To Control
Foodborne Hepatitis A
Outbreaks Related To Greens**

Onions,

Novel use of genetic testing methods helped public health officials control and limit the further spread of four outbreaks of foodborne hepatitis A virus in 2003 related to the consumption of green onions, according to a detailed analysis published in the , now available online.October 15 issue of The Journal of Infectious Diseases

[www. animalscience.com](http://www.animalscience.com).

Posted 2005-09-21

**New, Healthful Compound
Discovered In Exotic Lentils**

Beluga black lentils glisten and shimmer when they are cooked, showing off the rich, dark-black sheen of their namesake--Beluga caviar. Although these attractive, nutritious members of the pea and bean family have been a culinary favorite for thousands of years, it is only recently that scientists have unlocked the secret of their appealing color.

[www. animalscience.com](http://www.animalscience.com).

Posted 2005-09-21

**Hanging Baskets Of Sex And Death
Help Fruit Growers**

A hanging basket style device is at the heart of a plan by researchers at the University of Warwick to harness the sex drive of a major pest of fruit orchards as a weapon to spread a virus to kill that very same pest. The device allows growers to selectively target the pest with a virus that kills its larvae without killing other beneficial insects.

[www. animalscience.com](http://www.animalscience.com)

Posted 2005-09-22

Aloe Vera Coating May Prolong Freshness, Safety Of Fruits And Vegetables

Aloe vera gel is known for its therapeutic effect on burned or irritated skin, but in the future, you could be eating the gel as a healthful additive to your fruits and veggies. Researchers in Spain have developed an edible coating from the gel that they say can prolong the freshness and safety of produce without affecting taste and appearance. The coating, tested on grapes, shows promise as an environmentally-friendly alternative to conventional preservatives, they say.
www.animalscience.com.

Posted 2005-09-23

Vineyard Weeds Found To Host Pierce's Disease Of Grapes

New research just released in the September issue of Plant Disease suggests that weeds commonly found in California's wine country may enable the spread of Pierce's disease of grapes, one of the most destructive plant diseases affecting grapes.
www.animalscience.com.

Posted 2005-09-27

Hormones And Growth: The Control Of Body Size And Developmental Growth Rate In Fruit Flies

A pair of research papers published this week report findings that increase our understanding of how an organism's body size is determined and how the speed of its development is controlled. Molecular and cellular

pathways that act to convey information about a growing organism's size, as well as on pathways that use that information to correctly time critical transitional events during development.

www.animalscience.com.

Posted 2005-09-28

Seaweed Could Make Junk Food Healthier

Junk food could be made healthier by adding an extract of an exotic type of seaweed, say British scientists. The highly-fibrous seaweed extract, alginate, could be used to increase the fibre content of cakes, burgers and other types of food which usually contain large amounts of fat and a low degree of healthy nutrients, say the team.

www.animalscience.com.

Posted 2005-09-29

Flavanols Key To Potential Chocolate Benefits

Phytochemicals known as flavanols, which are found in chocolate, fruits and vegetables, can boost the levels of nitric oxide in the blood of smokers and reverse some of their smoking-related impairment in blood vessel function, according to a new study in the Oct. 4, 2005, issue of the Journal of the American College of Cardiology.

www.animalscience.com

Posted 2005-10-06

**Fish In Ponds Benefit
Flowering Plants**

Fish and flowering plants would seem to have as much in common as pigs and beauty soap. But ecologists at Washington University in St. Louis and the University of Florida have found an amazing relationship between the different species that provides a new direction for understanding how ecosystems "hook up."

www.animalscience.com.

Posted 2005-10-08

**Scientists Discover Genetic
Key To Growing Hardier,
More Productive Plants**

A team of plant biologists has discovered an overlooked genetic key to growing plants that are more productive, more drought-resistant and better able to grow in soils low in nutrients. Their findings may prompt biology textbook changes and have implications for increased world food production and global reforestation efforts. The findings are particularly relevant for farmers in areas prone to drought and in developing countries that lack irrigation systems and money for expensive fertilizers.

www.animalscience.com.

Posted 2005-10-12

**Geoscientists Follow Arsenic
From Chicken Feed To
Streambeds**

Organic arsenic is fed to poultry to prevent bacterial infections and improve weight gain. A little bit of

arsenic is taken up by the tissue and the majority of it is excreted. Virginia Tech geoscientists are determining what happens to such feed additives when they are part of the manure applied to agricultural fields.

www.animalscience.com.

Posted 2005-10-13

**Cattle Grazing May Help
Rather Than Hurt Endangered
Species**

An article published in the latest issue of Conservation Biology finds that cattle grazing plays an important role in maintaining wetland habitat necessary for some endangered species. Removing cattle from grazing lands in the Central Valley of California could, inadvertently, degrade the vernal pool habitat of fairy shrimp and tiger salamanders.

www.animalscience.com.

Posted 2005-10-17

**Avian Influenza Infection In
Birds Spreads To Turkey,
Romania**

Tests conducted by the World Organization for Animal Health (OIE) have today confirmed the presence of highly pathogenic H5N1 avian influenza in samples taken from domestic birds in Turkey. In Romania, investigations of recent poultry deaths have, to date, identified the H5 subtype of avian influenza virus.

www.animalscience.com.

Posted 2005-10-30

Cowpeas Could Add Sustainability To Cropping Systems

Ground left fallow in the High Plains to store soil moisture between crops may be better off with a legume crop such as cowpeas, according to a Texas Agricultural Experiment Station researcher. Dr. Bill Payne of Amarillo said he is trying to make the region's wheat-sorghum-fallow cropping system more sustainable by getting rid of the fallow component.

www.animalscience.com.

Posted 2005-11-1

Perchlorate In Milk Examined A dairy cow's rumen can act as a biological filter, breaking down most perchlorate in feed, according to an Agricultural Research Service (ARS) study published this week in the Proceedings of the National Academy of Science.

www.animalscience.com.

Posted 2005-11-17

Some Foods And Beverages Could Hold Clues For Future Diabetes Treatment

Some recent studies reveal food compounds found in tea, cinnamon, buckwheat and cherries that may hold clues for the treatment of diabetes. The findings come at an appropriate time because November is National Diabetes advice on how to keep diabetes in check is always the best course of action. All of the studies were published in the *Journal of Agricultural and Food Chemistry*, a journal of the American Chemical Society.

www.animalscience.com.

Posted 2005-11-21

Genetic Defenders Protect Crops From Fungal Disease

A handful of genetic defenders cooperate to protect Arabidopsis cells against powdery mildew disease, according to a new study from the Carnegie Institution and the Max Planck Institute for Plant Breeding. Powdery mildew, a common fungal infection, attacks more than 9,000 species of plants including barley, wheat, and horticultural plants such as roses and cucumbers. The discovery could help combat fungal parasites that devastate crops and cost growers billions of dollars in pesticides every year.

www.animalscience.com.

Posted 2005-11-22

Fruit Fly Research Set To Revolutionize Study Of Birth Defects

A Queen's University study of fruit flies that may revolutionize the way birth defects are studied has identified the genes affected by a widely-prescribed drug known to cause birth defects. Methotrexate (MTX), a popular cancer-fighting drug also used to treat psoriasis, ectopic pregnancies, rheumatoid arthritis, and lupus, lasts a long time in the body and causes birth defects in children from women who have it in their systems. The study of the drug's effect on fruit flies has allowed Queen's researchers including graduate student Joslynn Affleck to identify the genes on which the drug acts.

www.animalscience.com.

Forthcoming:

- **Cattle Industry Annual Convention and Trade Show**, February 1-4, Denver, Colorado, *USA*
- **Society for Range Management 59th Annual Meeting**, February 12-17, Vancouver, British Columbia, *Canada*
- **American Geophysical Union Ocean Sciences Meeting**, February 20-24, Honolulu, Hawaii, *USA*
- **National Meat Association 60th Annual Convention**, March 1-4, San Francisco, California, *USA*
- **231st American Chemical Society National Meeting**, March 26-30, Atlanta, Georgia, *USA*
- **231st American Chemical Society National Meeting**, March 26-30, Atlanta, Georgia, *USA*
- **Society for Range Management 59th Annual Meeting**, February 12-17, Vancouver, British Columbia, *Canada*
- **1st European Congress of Conservation Biology - " Diversity for Europe "** _ 22-26 Aug. 2006
Eger, Hungary

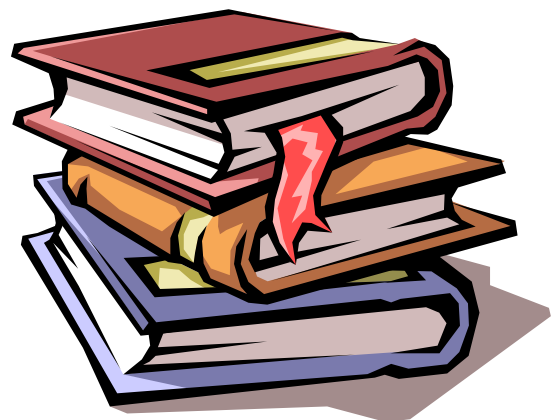
Announcement

we have received an announcement for :

1- Functional foods: Scientific Foundations and Opportunities for The Agro-Food Sector
Zaragoza (Spain), 3-7 April 2006

2-Characterizing Spatial Variability for Agricultural Planning and Site-specific Crop Management in Mediterranean Conditions.
Zaragoza (Spain), 7-17 April 2006
you will find the application form at library Public Relation Office.

Just arrived : ورد حديثاً



أخبار الكلية :

● تم تكريم خريجى دور يونيو لعام ٢٠٠٥ من حملة البكالوريوس والدراسات العليا ، والاحتفال بالدفعه الذهبية من خريجى الكلية لعام ١٩٥٥ ، وتكريم السادة الأساتذة الذين بلغوا السن القانونية (سن الستين والسبعين) ، وكذلك تكريم الطلاب المتفوقين علمياً ورياضياً .

● زيارة فريق المراجعة المرشح من قبل اللجنة القومية للإعتماد والجودة لمراجعة التقرير السنوى للكلية وكذلك كفاءة إنشاء نظام للجودة التى جرت خلال الفترة من ١٠-١٣/١٠/٢٠٠٥

دعى أ.د. عميد الكلية السادة أعضاء هيئة التدريس للمشاركة فى الأنشطة الطلابية لتقديم القدوة السوية للطلاب والمساعدة على خروج الإنتخابات الطلابية بشكلها المرضى.

تمت الموافقة على تشكيل لجنة فحص ترشيحات الأقسام للجوائز بأنواعها واختيار الذين يستوفون الشروط المطلوبة، وأعتبر ترشيحات اللجنة هى ترشيحات مجلس الكلية وتتكون اللجنة من بعض السادة الأساتذة الحاصلين على جائزة الدولة التقديرية.

● قدم مجلس الكلية الشكر لقسم بساتين الزينة للمساهمة الفاعلة فى إنشاء حديقة الأشجار بجانب كبير من النباتات والعمالة .

شكر وتقدير

س

* ا.د. صبحي محسن

رئيس مجلس قسم (الصناعات الغذائية)

* ا.د. محمد رضا بركات

رئيس مجلس قسم (بساتين الزينة)

* ا.د. مورييس صبري ميخائيل

رئيس مجلس قسم (أمراض النبات)

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■ كما توجه ا.د. عميد الكلية باسم إدارة الكلية بالشكر والتقدير للمهندس / أحمد راغب أمين عام الكلية ، على ما بذله من جهد فى تطوير الجهاز الإداري بالكلية ، وذلك بمناسبة بلوغه سن التقاعد .

الأطفال الرضع

الأطفال تحت سن التاسعة

الأطفال تحت سن الثانية عشر

اقتراحات أخرى

برجاء إرسال مساهماتكم والتي بالتأكيد سيكون لها أهمية فى اتخاذ القرار الأكثر قبولاً .
مع خالص شكر وتقدير .. المشرف العام .

تهني أسرة التحرير السادة الآتي أسمائهم بمناسبة

حصولهم على الجوائز الموضحة قرين كل منهم :

* ا.د. حسن رشاد

جائزة الدولة التشجيعية فى العلوم الزراعية
(قسم النبات الزراعى)

- عرض فيلم كرتون للأطفال الأيتام يوم ٦/٤/٢٠٠٥ .

* ا.د. جمال الباروطي
جائزة الدولة التشجيعية في التكنولوجيا
الحيوية المتقدمة (قسم الكيمياء الحيوية)

* د. هانى الشيمى
جائزة الدولة التشجيعية في التكنولوجيا الحيوية
المتقدمة (قسم الكيمياء الحيوية)

الترقيات



My advice to you is
get married: if you
find a good wife you'll
be happy; if not,
you'll become a
philosopher.

Socrates

جوائز ... جوائز

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إلى درجة أستاذ :

- ❖ د. أحمد محمد القياتى (الإنتاج الحيواني)
- ❖ د. سيد عباس الماحي (الحشرات الاقتصادية)

إلى درجة أستاذ مساعد :

- ❖ د. سالي فاروق محمد علام (حيوان زراعي)
- ❖ د. شرين عبد الجواد أمام (الألبان)

إلى درجة مدرس مساعد :

- ❖ السيد / أشرف موسى عبد الباقي (أمراض نباتات)
- ❖ السيدة / أمل عبد الخالق محمد (بساتين الزينة)

ألف مبروك
وتحيات أسرة التحرير

تعريفات

الاشتراكية: أن تكون لديك بقرتان تعطي واحدة لجارك

الشيوعية: أن تكون لديك بقرتان فتأخذ الحكومة الاثنتين وتمنحك بعض اللبن

النازية : أن تكون لديك بقرتان فتأخذ الحكومة الاثنتين وتعدمك

الرأسمالية : أن تكون لديك بقرتان فتبيع واحدة وتبتاع ثورا، من ثم ينمو القطيع فتبيعه وتتقاعد معتمدا على الدخل

البيروقراطية : أن تكون لديك بقرتان فتأخذ الحكومة الاثنتين وتقتل واحدة وتحلب الأخرى وتلقى باللبن بعيدا

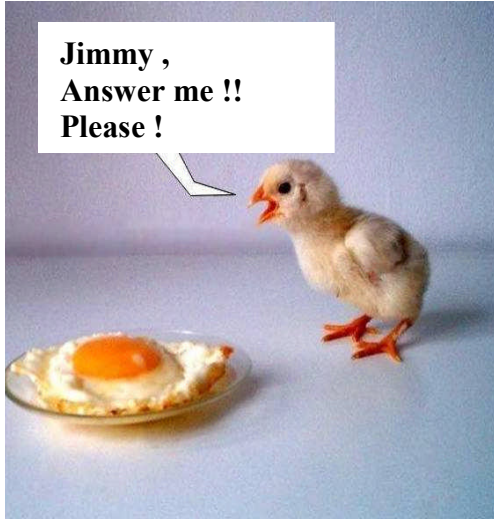
شركة أمريكية : أن تكون لديك بقرتان فتبيع واحدة و ترغم الأخرى على أن تعطيك لبن اربع بقرات .. ثم تستاجر خبيراً استشارياً لفهم لماذا ماتت البقرة.

شركة يابانية : لديك بقرتان تعيد تصميمهما جينياً بحيث تصيرا عشر حجم البقرة العادية ،مع مضاعفة اللبن عشرين مرة.

Opening Hours : 9.00a.m - 5.00 p.m

Correspondence:

Prof. Dr. Taha Mohamed El-Bedawy
Director, Library & Information Centre
Faculty of Agric., Cairo University
12613 Gamaa Str., Giza ,Egypt
Tel.: 5685269 - 5684800
Fax: 5688139
E-mail: library.agric@gmail.com

**Relative**

You Know You Are living In 2005 When...

- You have a list of 15 phone numbers to reach your family of 3.
- You e-mail the person who works at the desk next to you.
- Your reason for not staying in touch with friends and family is that they don't have e-mail addresses.
- You get up in the morning and go online before getting your coffee.
- Leaving the house without your cell phone, which you didn't have the first 20 or 30 (or 60) years of your life, is now a cause for panic and you turn around to go and get it.

