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Research Article

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The effect of olfactory exposure on the heart rate of rabbits during transport

Published On: December 13, 2022 | Pages: 033 - 039

Author(s): Anouck Haverbeke*, Stefania Uccheddu, Dieter Everaert, Maya Lagae, Marie Lacoste, Heidi Arnouts and Adinda Sannen

Summary Rabbits can experience stress during transport. This study explores the effects of Essential Oils (EOs) on the heart rate of rabbits during transport. Rabbits were submitted to 3 different treatments: no olfactory exposure to EOs (treatment 1, control); olfactory exposure to 30 drops of *Lavandula angustifolia* EO (treatment 2); and olfactory exposure to 30 dro ...

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Nutrition cycles in sessile oak (*Quercus petraea* Liebl.), Norway spruce (*Picea abies* L.Karst) and European beech (*Fagus sylvatica* L.) stands from Central Romania

Published On: October 19, 2022 | Pages: 026 - 032

Author(s): Raluca-Elena Enescu, Alexandru Liviu Ciuv*, Lucian Dinc, Carmen Iacoban, Elena Deleanu and Cristian Anghelus

In Romania, the sessile oak is the widest spread species of all native oak species, forming a lower story of vegetation. The European beech and Norway spruce cover 50% of the Romanian forest area. The purpose of this study was to analyze the variability of the leaf nutrients, as well as of the soil nutrients, for sessile oak, Norway spruce and European beech stands si ...

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Application of a 3R-method: Time-dependent spasmolytic effect of nonylphenols (NPs) and nonylphenoethoxylates (NPEs)

Published On: June 03, 2022 | Pages: 017 - 020

Author(s): Maria Fuerhacker and Christian R Studenik*

Nonylphenol ethoxylates (NPEs) are non-anionic surfactants that were used as detergents, emulsifiers, wetting, and dispersing agents in a wide variety of consumer products, commercial products, and many industrial cleaning processes. In some parts of the world such as China or South Africa, nonylphenol (NP) and NPE remain a problem. NP and short-chained NPE as breakdo ...

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Evaluation of agrobiodiversity and its trophic interactions as an indicator of sustainability in productive systems

Published On: May 06, 2022 | Pages: 006 - 013

Author(s): Taraborelli P*, Carrasco N, Malaspina M, Domínguez MC, Belaus A, López A, Scavone AS, Barbera A and Zamora MY
Agriculture has intervened, modified, and simplified ecosystems to obtain some goods and services. Conventional industrial agriculture emphasizes the use of external inputs and the homogeneity of the landscape; agroecology promotes biodiversity to maximize biological interactions and their ecosystem services. The objective was to evaluate agrobiodiversity and its tr ...

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mRNA based vaccines as an alternative to conventional vaccine approaches

Published On: April 29, 2022 | Pages: 001 - 005

Author(s): Zubda-tul-Hoor* and Muhammad Imran Qadir

In recent years, vaccines based on mRNA are providing protection against infectious diseases and treatment for cancer. These vaccines offer many advantages as compared to traditional vaccines. They can be rapidly and easily manufactured at a low cost and are reliable for administration. These vaccines can generate both cell-mediated and humoral immunity. Their adminis ...

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Review Article

21st Century challenges in animal production and food security, additional positive and negative impacts on human health and the environment

Published On: September 26, 2022 | Pages: 021 - 025

Author(s): Marcelo Ghezzi*

Meat, milk and eggs are nutrient-rich products that could effectively boost nutrient-poor diets, either as part of the normal diet or if access is increased through enrichment with vitamins and minerals, among others. Scientific evidence on the role of livestock products in improving nutrition is limited, especially in low-and middle-income countries, during the first ...

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Short Communication

Viable but non-cultivable bacteria and their implications for microbiological safety

Published On: June 01, 2022 | Pages: 014 - 016

Author(s): Jiménez-Moleón MC* and Solano-Gómez JA

Bacteria are microorganisms found in all environments and they fulfill various tasks in ecosystems, however, some can

affect the human population causing outbreaks of disease and death. ...

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