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Research Article

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## Restoration of Natural Habitats as a Nature-based Solution for Sustaining Insect Biodiversity to Ensure Sustainable Food Production

Published On: November 21, 2024 | Pages: 146 - 155

Author(s): Astrid Jankielsohn\* and Gimo M Daniel

The rapid loss of natural habitats and resulting loss of biodiversity in insect taxa is a serious concern that will impact future food production. Insect biodiversity decline can be mainly attributed to the intensification of agriculture with the main drivers being habitat loss, fragmentation, and use of agro-chemicals. To mitigate the pressure of agriculture on biodi

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## Renewed Theories and Discourses of 21st Century; City Planning and Housing Design COVID-19 and Beyond, Sustainable, and Green Design

Published On: September 10, 2024 | Pages: 122 - 131

Author(s): Hulya Coskun\*

This research delves into the future housing theories of the 21st century, focusing on recent transformations in both urban planning and housing projects and models. Despite the world's anticipation of a vast sustainable transformation since the late 20th century, the first quarter of the 21st century was confronted with an unexpected event: humanity found itself amid ...

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## Pre-scaling up of Desho grass technologies at highlands of Guji Zone, Oromia, Ethiopia

Published On: July 27, 2024 | Pages: 101 - 106

Author(s): Basha Kebede\*, Tekle Bobo and Girma Amare

Forage production is fundamental for livestock production. This activity was conducted to increase the production of improved Desho grasses, to increase wider demand for desho grass technologies, and to strengthen stakeholders' linkage on desho grass production. In the 2022/23 and 2023/24 seasons, 64 farmers were selected from eight kebeles in Bore, Arda Jila Mea Boko ...

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### Review Article

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## Natural Perception Hypothesis: How Natural Selection Shapes Species-Specific Sensory Experiences and Influences Biodiversity

Published On: October 17, 2024 | Pages: 132 - 144

Author(s): Shmuel Raz\* and David Breikopf

The Natural Perception Hypothesis posits that sensory perceptions of time, space, and stimuli are not universally uniform but are finely tuned by each species' specific evolutionary adaptations. This paper explores how natural selection acts on sensory systems, tailoring perceptions to optimize survival and reproductive success within specific ecological niches. By ex ...

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## Permaculture Resource System: An Activity Analysis in a Situation of Ecological Complexity toward a Didactics Perspective

Published On: July 29, 2024 | Pages: 107 - 116

Author(s): Bourmaud Gaëtan, Chiron Thibault, Fleury Jean and Munoz Grégory\*

Analysis of the instrumental activity of permaculture reconsiders the link between man and his environment, and puts

forward the idea of working in partnership with living things, notably through the notion of substitution. From this more systemic, holistic, and dynamic perspective on work, an approach is proposed that combines the contributions of the instrumental ap ...

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## Short Communication

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### **Accumulation Radiocesium (137Cs) By Plants of the Dnipro River's Floodplain Ecosystems after Chernobyl Contamination**

Published On: August 31, 2024 | Pages: 117 - 121

Author(s): Oleksandr Lukash\*, Halina Tkaczenko, Anita Szikura, Yurii Karpenko, Oleksandr Yakovenko, Oksana Sahach, Svitlana Kyriienko, Alina Sliuta, Viktoriia Papernyk, Svitlana Pototska and Natalia Kurhaluk

The analysis of radiocesium ( $^{137}\text{Cs}$ ) accumulation by plants of forest, marsh, meadow, psamophytic, and ruderal communities in the Dnipro River floodplain (Ukraine) was carried out. The species specificity of radiocesium accumulation by plants of specific biotopes and the direct dependence of the plant accumulation coefficient on the density of biotope contamination wit ...

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