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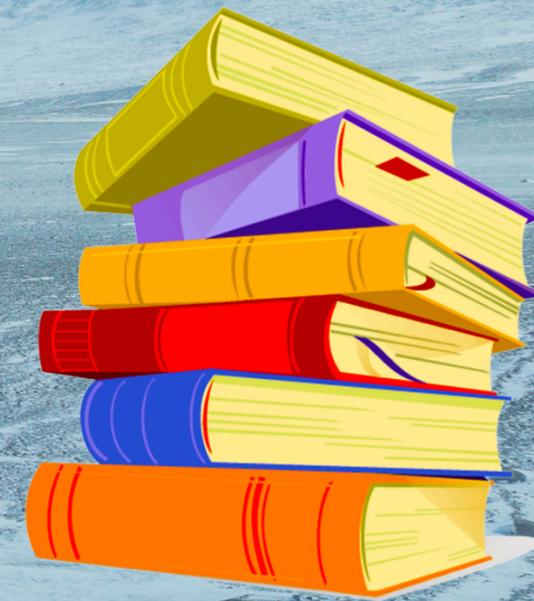
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เข้าหน้า Website KLLC เลือกเมนู "ฐานข้อมูล DB"
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The screenshot shows the KMITL Lifelong Learning Center website. The navigation menu at the top includes: หน้าแรก, หนังสือ, ฐานข้อมูล (DB), Lifelong, Upskill/Reskill, Skill Transcript, KMITL MasterClass, ติดต่อเรา, and Login. The 'ฐานข้อมูล (DB)' menu is expanded, showing options: ฐานข้อมูลทั้งหมดเรียงตาม A-Z, eBooks (หนังสืออิเล็กทรอนิกส์), Tools (โปรแกรม ระบบและเครื่องมือสนับสนุนการทำวิจัย), สปอว. จัดซื้อ, สจล. จัดซื้อ, ฐานทดลองใช้และบริการฟรี, and ข้อมูลสถิติการให้บริการ. The 'ฐานข้อมูลทั้งหมดเรียงตาม A-Z' option is highlighted with an orange arrow. The website header also features the KMITL KLLC logo and a 'Login' button. The main content area displays the KMITL Lifelong Learning Center logo and a search bar.

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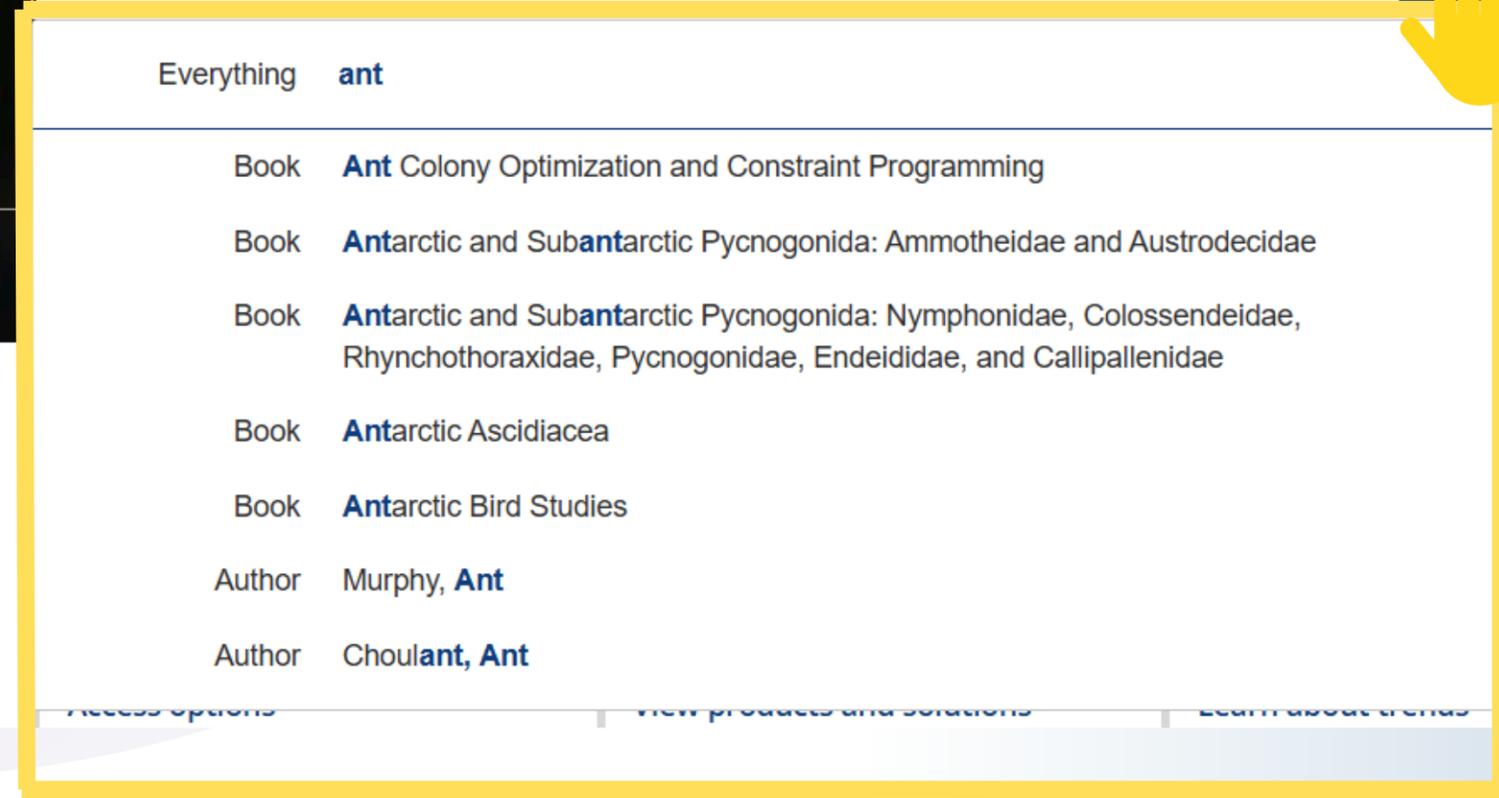
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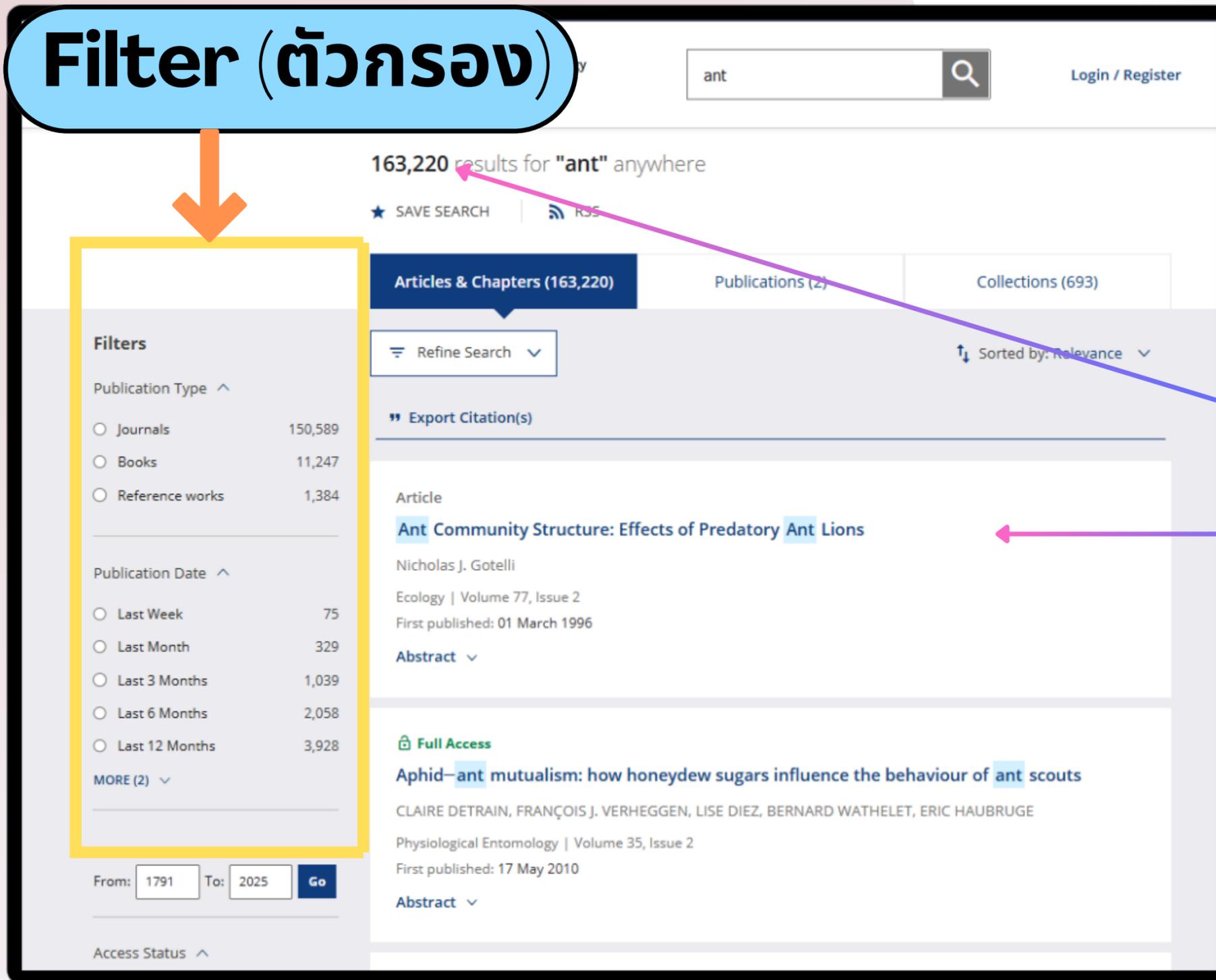
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Ant Community Structure: Effects of Predatory Ant Lions

Nicholas J. Gotelli

Ecology | Volume 77, Issue 2

First published: 01 March 1996

Abstract

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CLAIRE DETRAIN, FRANÇOIS J. VERHEGGEN, LISE DIEZ, BERNARD WATHELET, ERIC HAUBRUGE

Physiological Entomology | Volume 35, Issue 2

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Abstract

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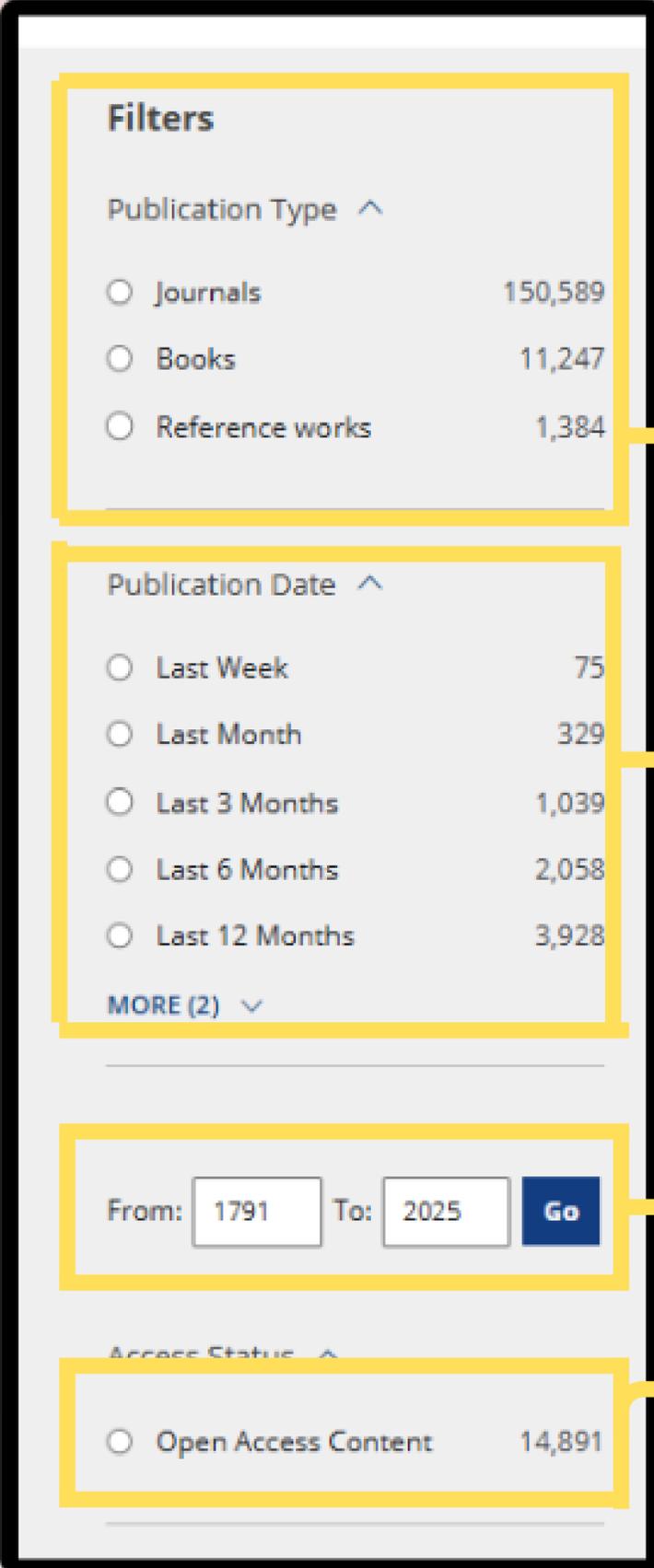
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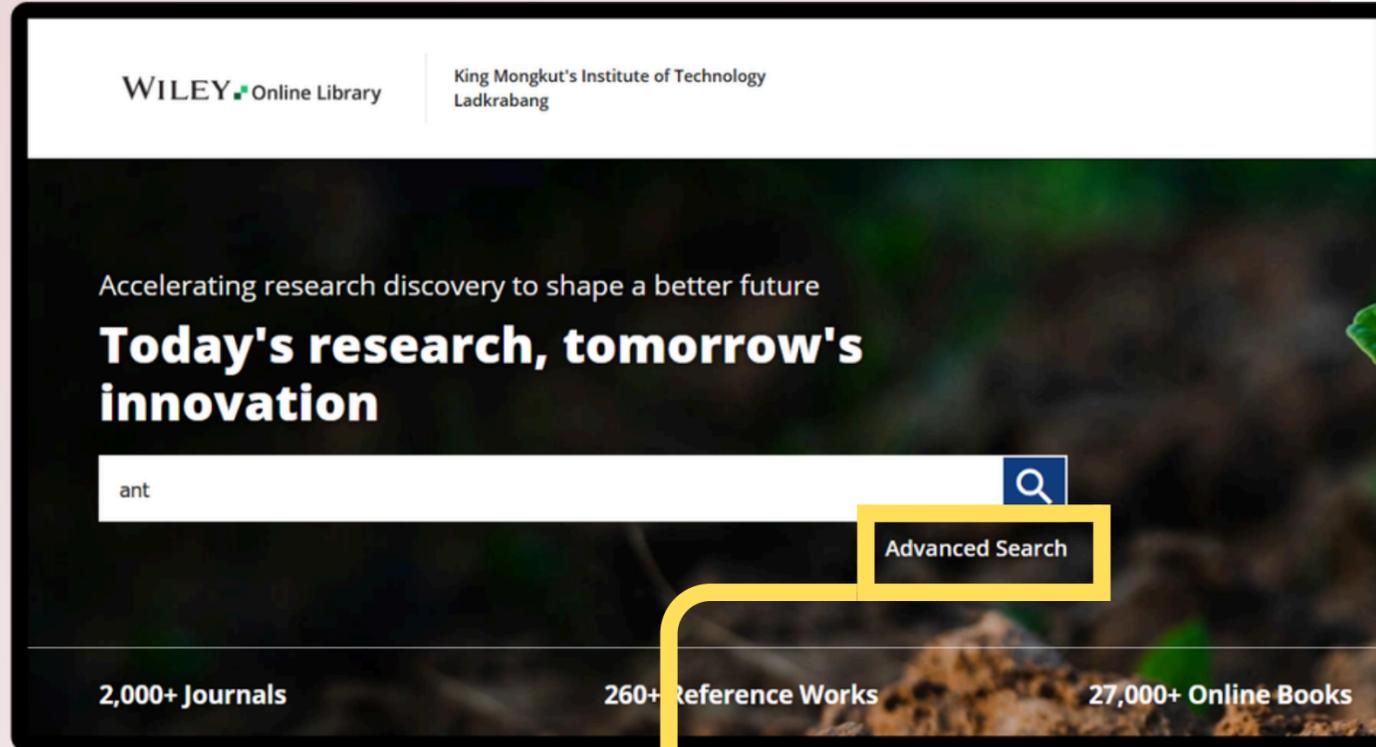
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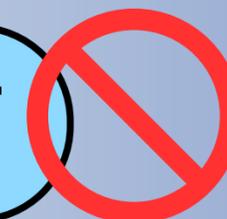
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Elevated dominance of extrafloral nectary-bearing plants is associated with increased abundances of an invasive ant and reduced native ant richness

Amy M. Savage, Jennifer A. Rudgers, Kenneth D. Whitney

Diversity and Distributions | Volume 15, Issue 5

First published: 24 August 2009

Abstract ▾

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Join the ant hunt: how accurately can the public recognise red imported fire ant *Solenopsis invicta* (Hymenoptera: Formicidae) in Australia?

Melinda K McNaught, Ross Wylie, Robert Bell

Austral Entomology | Volume 58, Issue 4

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Join the ant hunt: how accurately can the public recognise red imported fire ant *Solenopsis invicta* (Hymenoptera: Formicidae) in Australia?

Melinda K McNaught, Ross Wylie, Robert Bell

Austral Entomology | Volume 58, Issue 4

First published: 07 February 2019

Abstract ^

Abstract

A national eradication program for the red imported fire ant, *Solenopsis invicta*, has been ongoing in Australia since 2001 when the pest was first officially identified in Brisbane, Queensland. Through a range of communication strategies, the program has encouraged the public to report suspect *S. invicta* and to submit ant samples for identification. There is now a 16-year dataset of ant specimen submissions from the public and, in the last 5 years, digital ant photograph submissions. Analysis of this dataset shows that, at the end of 2017, the program has processed over 45 000 identifiable ant samples from 41 genus groups from the public in the greater Brisbane region, as well as viewed almost 7000 digital photo submissions. Of these submissions, 8486 were *S. invicta* samples, with 898 of these originating from a photo. The 10 most commonly submitted local ant genera represent 90% of non-target ant samples received. Eight of these genera share two or more traits with *S. invicta*. Since photos were introduced, there has been a reduction in the average yearly non-target samples received, along with an increase in the proportion of positive detections within public submissions. We conclude that the program's messaging about how to recognise *S. invicta* has been effective and that photo submissions are a cost-effective and successful engagement tool. Our study shows that a high level of confidence can be placed on the ability of the public to recognise and report suspect *S. invicta* and demonstrates again the importance of awareness campaigns in enhancing the probability of passive detection of a target species.

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Elevated dominance of extrafloral nectary-bearing plants is associated with increased abundances of an invasive ant and reduced native ant richness

Amy M. Savage, Jennifer A. Rudgers, Kenneth D. Whitney

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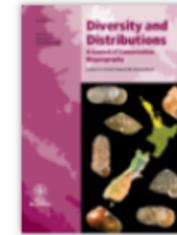
Abstract

Aim Invasive ants can have substantial and detrimental effects on co-occurring community members, especially other ants. However, the ecological factors that promote both their population growth and their negative influences remain elusive. Opportunistic associations between invasive ants and extrafloral nectary (EFN)-bearing plants are common and may fuel population expansion and subsequent impacts of invasive ants on native communities. We examined three predictions of this hypothesis, compared ant assemblages between invaded and uninvaded sites and assessed the extent of this species in Samoa.

Location The Samoan Archipelago (six islands and 35 sites).

Methods We surveyed abundances of the invasive ant *Anoplolepis gracilipes*, other ant species and EFN-bearing plants.

Results *Anoplolepis gracilipes* was significantly more widely distributed in 2006 than in 1962, suggesting that the invasion of *A. gracilipes* in Samoa has progressed. Furthermore, (non-*A. gracilipes*) ant assemblages differed significantly between invaded



Volume 15, Issue 5
September 2009
Pages 751-761

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L. S. Souza, E. S. Calixto, S. S. Domingos,
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Teratogenesis, Carcinogenesis, and Mutagenesis
Volume 22, Issue 4
Jan 2002
Pages 239-314

Article
Monitoring urban air particulate matter (fractions PM 2.5 and PM 10) genotoxicity by plant systems and human cells in vitro: A comparative analysis

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Anna Poma, Lorenzo Arrizza, Pietro Picozzi, Laura Spanò

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<https://doi.org/10.1002/tcm.10020>

ISSN 0270-3211
eISSN 1520-6866
Online 19 June 2002
Pages 271 - 284

Abstract
Increased incidence of mortality and sickness due to cardiopulmonary complications has been associated with elevated levels of urban air particles (UAP) with an aerodynamic diameter of 10 μm (PM 10) and 2.5 μm (PM 2.5). In the present report alternative plant systems and human cells in vitro are associated with human hazard and genotoxic risk assessment of UAP. The genotoxic activities associated with the coarse (PM 10) and the fine fraction (PM 2.5) of airborne particulates have been analyzed by evaluating micronuclei induction and/or sister-chromatid exchange (SCE) using in vitro models of *Daucus carota* and HS 27 human fibroblast cell suspensions and *Zea mays* root meristems. Results show variability in the response of the test systems and indicate that the mutagenicity trend in both plant and human cell cultures was directly correlated to the concentration of carbon-rich particles in the fraction of the PM 2.5 airborne particulates. Moreover, in plant tissues, the frequency of micronuclei and SCE was related to an enhancement of the specific activity of the stress-related enzyme peroxidase. *Teratogenesis, Carcinogenesis, Mutagenesis* 22:271-284, 2002. © 2002 Wiley-Liss, Inc.

Teratogenesis, Carcinogenesis, and Mutagenesis 22:271-284 (2002)

Monitoring Urban Air Particulate Matter (Fractions PM 2.5 and PM 10) Genotoxicity by Plant Systems and Human Cells In Vitro: A Comparative Analysis

Anna Poma,^{1*} Lorenzo Arrizza,² Pietro Picozzi,¹ and Laura Spanò¹

¹Department of Basic and Applied Biology, Faculty of Sciences, University of L'Aquila, Coppito, L'Aquila, Italy

²Department of Physics, Faculty of Sciences, University of L'Aquila, Coppito, L'Aquila, Italy

Increased incidence of mortality and sickness due to cardiopulmonary complications has been associated with elevated levels of urban air particles (UAP), with an aerodynamic diameter of 10 μm (PM 10) and 2.5 μm (PM 2.5). In the present report alternative plant systems and human cells in vitro are associated with human hazard and genotoxic risk assessment of UAP. The genotoxic activities associated with the coarse (PM 10) and the fine fraction (PM 2.5) of airborne particulates have been analyzed by evaluating micronuclei induction and/or sister-chromatid exchange (SCE) using in vitro models of *Daucus carota* and HS 27 human fibroblast cell suspensions and *Zea mays* root meristems. Results show variability in the response of the test systems and indicate that the mutagenicity trend in both plant and human cell cultures was directly correlated to the concentration of carbon-rich particles in the fraction of the PM 2.5 airborne particulates. Moreover, in plant tissues, the frequency of micronuclei and SCE was related to an enhancement of the specific activity of the stress-related enzyme peroxidase. *Teratogenesis, Carcinogenesis, Mutagenesis* 22:271-284, 2002. © 2002 Wiley-Liss, Inc.

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%A Hyde, Dallas
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%A Mautz, William J.

%T Toxicity of chemical components of ambient fine particulate matter (PM 2.5)
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