

Special Issue

New Trends in Vector and Pest Control: The Search for Safer and Greener Chemicals

Message from the Guest Editor

Arthropod vectors are harmful to human well-being because they can potentially transmit pathogens to humans, livestock and plants, with vector-borne pathogens being directly or indirectly responsible for millions of human deaths every year. Although vector management has long relied on natural and synthetic insecticides, awareness of their toxicological and ecotoxicological effects is rather new, as is the search for innovative strategies to overcome the problems of resistance that result from their intensive use. This implies the development and use of control strategies that involve using fewer amounts of insecticides (e.g., autodissemination) as well as acquiring a better knowledge of their sublethal effects and behavior in situ. This also implies the discovery of new insecticides with fewer adverse effects on humans and the environment. This search for new insecticides and new targets can be carried out conventionally or by QSAR modeling and other in silico techniques.

Guest Editor

Dr. James Devillers
CTIS, 3 Chemin de la Gravière, 69140 Rillieux La Pape, France

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Toxics
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
toxics@mdpi.com

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About the Journal

Message from the Editor-in-Chief

Toxics (ISSN 2305-6304) is an international, peer-reviewed, open access journal which provides an advanced forum for studies related to all aspects of toxic chemicals and materials. We aim to publish high quality work that furthers our understanding of the exposure, effects, and risks of chemicals and materials in humans and the natural environment as well as approaches to assess and/or manage the toxicological and ecotoxicological risks of chemicals and materials. Please consider publishing in *Toxics* when preparing your next paper.

Editor-in-Chief

Dr. Demetrio Raldúa
Department Environmental Chemistry, IDAEA-CSIC, Jordi Girona 18,
08034 Barcelona, Spain

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