

Arthropods

Arthropods account for more than 65% of global species and 85% of animal species. On a temperate grassland, arthropods hold a huge biomass (1,000kg/ha), seconded to plant (20,000kg/ha) and microorganisms (7,000kg/ha) but much higher than mammals (1.2kg/ha), birds (0.3kg/ha), and nematodes (120kg/ha). Arthropods play the role of both pests and beneficial organisms. Some arthropods are important crop pests but others are natural enemies. Some arthropods are important health pests but many crustaceans are important food sources of humankind. Arthropods govern the structures and functions of natural ecosystems, but are always ignored by researchers. On the global scale, the surveys of mammals, birds and vascular plants were relatively perfect because they were economically important and easily surveyed. However, arthropods, despite their ecological and economical importance, have not yet been fully surveyed and recorded due to their difficulties to be sampled. The research on arthropods must be further promoted. The journal, *Arthropods*, is inaugurated to provide a public and appropriate platform for the publication of studies and reports on arthropods.

ARTHROPODS (ISSN 2224-4255) is an international open access (BOAI definition) journal devoted to the publication of articles on various aspects of arthropods, e.g., ecology, biogeography, systematics, biodiversity (species diversity, genetic diversity, et al.), conservation, control, etc. The journal provides a forum for examining the importance of arthropods in biosphere (both terrestrial and marine ecosystems) and human life in such fields as agriculture, forestry, fishery, environmental management and human health. The scope of *Arthropods* is wide and embraces all arthropods-insects, arachnids, crustaceans, centipedes, millipedes, and other arthropods. Articles/short communications on new taxa (species, genus, families, orders, etc.) and new records of arthropods are particularly welcome.

Authors can submit their works to the email box of this journal, arthropods@iaees.org. All manuscripts submitted to *Arthropods* must be previously unpublished and may not be considered for publication elsewhere at any time during review period of this journal.

In addition to free submissions from authors around the world, special issues are also accepted. The organizer of a special issue can collect submissions (yielded from a research project, a research group, etc.) on a specific topic, or submissions of a conference for publication of special issue.

Editorial Office: arthropods@iaees.org

Publisher: International Academy of Ecology and Environmental Sciences

Address: Unit 3, 6/F., Kam Hon Industrial Building, 8 Wang Kwun Road, Kowloon Bay, Hong Kong

Tel: 00852-2138 6086

Fax: 00852-3069 1955

E-mail: office@iaees.org

Arthropods

ISSN 2224-4255

Volume 5, Number 2, 1 June 2016

Articles

LC₃₀ effects of thiamethoxam and pirimicarb, on population parameters and biological characteristics of *Macrolophus pygmaeus* (Hemiptera: Miridae)

Shima Rahmani, Solmaz Azimi, Mona Moghadasi 44-55

Comparison of mineral oil spray with current synthetic pesticides to control important pests in citrus orchards and their side effects

Mohammad Reza Damavandian 56-64

Characteristics of family Pieridae (Lepidoptera) in Tehsil Tangi, Khyber Pakhtunkhwa, Pakistan

Haroon, Farzana Perveen 65-76

The expression profile of detoxifying enzyme of tomato leaf miner, *Tuta absoluta* Meyrik (Lepidoptera: Gelechiidae) to chlorpyrifos

Idin Zibae, Ali Reza Bandani, Ghodratollah Sabahi 77-86



IAEES

<http://www.iaees.org/>