



INSECT BIOCHEMISTRY

Editor: L I GILBERT, *Wilson Hall
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USA*

Insect Biochemistry publishes original contributions in the field of insect biochemistry including papers on:

- * Neurochemistry
- * Hormone and pheromone biochemistry
- * Histochemistry
- * Development and tissue culture of insect systems

Papers on the biochemistry of other groups of arthropods are published if of general interest, while papers describing new techniques and methods may be accepted if they contribute to the solution of biochemical problems.

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Published bi-monthly (Volume 16)

Annual subscription (1986)

Two-year rate (1986/87)

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A selection of papers

Minor aminopeptidases purified from the plasma membrane of midgut caeca cells of an insect (*Rhynchosciara americana*) larva, C FERREIRA & W R TERRA.

The brain adenylate cyclase system of the tobacco hornworm, *Manduca sexta*: putative control by biogenic amines, W L COMBEST et al.

A novel procedure for the purification of apolipoprotein III, M A WELLS et al.

Relative hemolymph juvenile hormone binding capacity during larval, pupal and adult development in *Manduca sexta*, W G GOODMAN.

Comparison of protein patterns in cockroach muscles innervated by fast or slow neurons, B BERMAN et al.

Makisterone A: the major ecdysteroid from the pupa of the honey bee, *Apis mellifera*, M F FELDLAUFER et al.

Immunohistochemical and biochemical localization of trehalase in the developing ovaries of the silkworm, *Bombyx mori*, M AZUMA & O YAMASHITA.

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VOLUME 21 NUMBER 2 JUNE 1986

Journal of STORED PRODUCTS RESEARCH

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JOURNAL OF STORED PRODUCTS RESEARCH

Editor: C E DYTE, *Pest Infestation Control Laboratory, Ministry of Agriculture Fisheries & Food, London Road, Slough, Berkshire, UK*

This journal provides an international medium for the publication of original research results from laboratory and field studies dealing with the biology, ecology, physiology, behavior, taxonomy, genetics or control of the insects, mites, fungi, and other organisms associated with stored products. It also covers studies on the physical and chemical nature of the stored product environment which have relevance to these organisms and their control.

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Microflora changes in peanuts (groundnuts) stored under modified atmospheres, D M WILSON *et al.*
Response of malathion-susceptible and resistant strains of *Tribolium castaneum* (Coleoptera: Tenebrionidae) to a combination of ^{60}CO gamma irradiation and malathion, E ADEM & F L WATTERS.
Orange-eye: a sex-linked recessive mutation in *Ephesia cautella* (Walker) (Lepidoptera: Pyralidae), Z S AL-HAKKAK *et al.*

Effects of three temperature regimes on rearing and biological activities of *Bracon hebetor* (Say) (Hymenoptera: Braconidae), M S H AHMED *et al.*

The influence of relative humidity on larval development and energy content of *Galleria mellonella* (L.) (Lepidoptera: Pyralidae), G CHAUVIN & J CHAUVIN.
Infestation of dried cassava (*Manihot esculenta* Crantz) by *Prostephanus truncatus* (Horn) (Coleoptera: Bostrichidae), R J HODGES *et al.*

Moisture influence on fungal growth in black pepper, V P SREEDHARAN *et al.*
The relationship between moisture content and equilibrium relative humidity of pig feed, S HENDERSON.

Alkaloid losses from the capsules of *Papaver somniferum* L. during kiln drying and storage under commercial conditions in Tasmania, P J HOFMAN & R C MENARY.

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JOURNAL OF INSECT PHYSIOLOGY

JOURNAL OF INSECT PHYSIOLOGY

Executive Editors: L STRONG and
R de G WEEVERS, *Department of
Zoology, University of Bristol,
Bristol BS8 1UG, UK*

The *Journal of Insect Physiology* serves as a focus for research on all aspects of insect physiology. The journal publishes papers covering a wide variety of aspects of the physiological mechanisms in insects, although closely related topics in other groups of arthropods will be accepted if they are of general interest. Amongst the fields covered are endocrinology, pheromones, neurobiology, physiological pharmacology, nutrition, homeostasis and reproductive processes of insects. Anatomical papers and reports on new techniques and methods are also published where they contribute to the solution of physiological problems.

Software Survey Section — This new section reports developments in appropriate specialist software.

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Published monthly (Volume 32)

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The effects of chemical and physical stress on the concentrations of amino compounds in the haemolymph and nervous system of locusts and cockroaches, A JABBAR & R H C STRANG.

The effect of temperature on energy distribution during the last-larval stadium of the female house cricket, *Acheta domesticus*, R M ROE *et al.*

Influence of sex and dietary fat on the group effect in larvae of *Acheta domesticus* (L.), J E McFARLANE & I ALLI.

Entry of proteins from degenerating flight muscles into oocytes in *Dysdercus cingulatus*, C R M NAIR & V K K PRABHU.

Plurisegmental neurones of the cricket *Gryllus campestris* L. that discharge in the rhythm of its own song, D OTTO & T WEBER.

Circadian range of entrainment in the semilunar eclosion rhythm of the marine insect *Clunio marinus*, D NEUMANN & F HEIMBACH.

X-ray microanalysis of cockroach fat body in relation to ion and water regulation, A D HYATT & A T MARSHALL.

Role of beta-alanine in cuticular tanning, sclerotization, and temperature regulation in *Drosophila melanogaster*, M E JACOBS.

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The International Journal of Tropical Insect Science

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Insect Sci. Applic. is Indexed/Abstracted in
Current Contents, CABS, BIOSIS Database, PASCAL-CNRS Database.

ISSN 0191-9040
ISIADL 7(4) 457-576 (1986)