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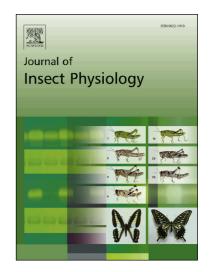
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## **ACCEPTED MANUSCRIPT**

# Effects of fat and exoskeletal mass on the mass scaling of metabolism in Carabidae beetles

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**Key words** allometry, Carabids, chitin, lipids, Dynamic Energy Budget theory, life history, skeleton, mass coefficient, metabolic scaling

Abbreviations:

EM – exoskeleton mass

FM – fat mass

M – live body mass

MR – metabolic rate

LSTM – lean soft-tissue mass

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