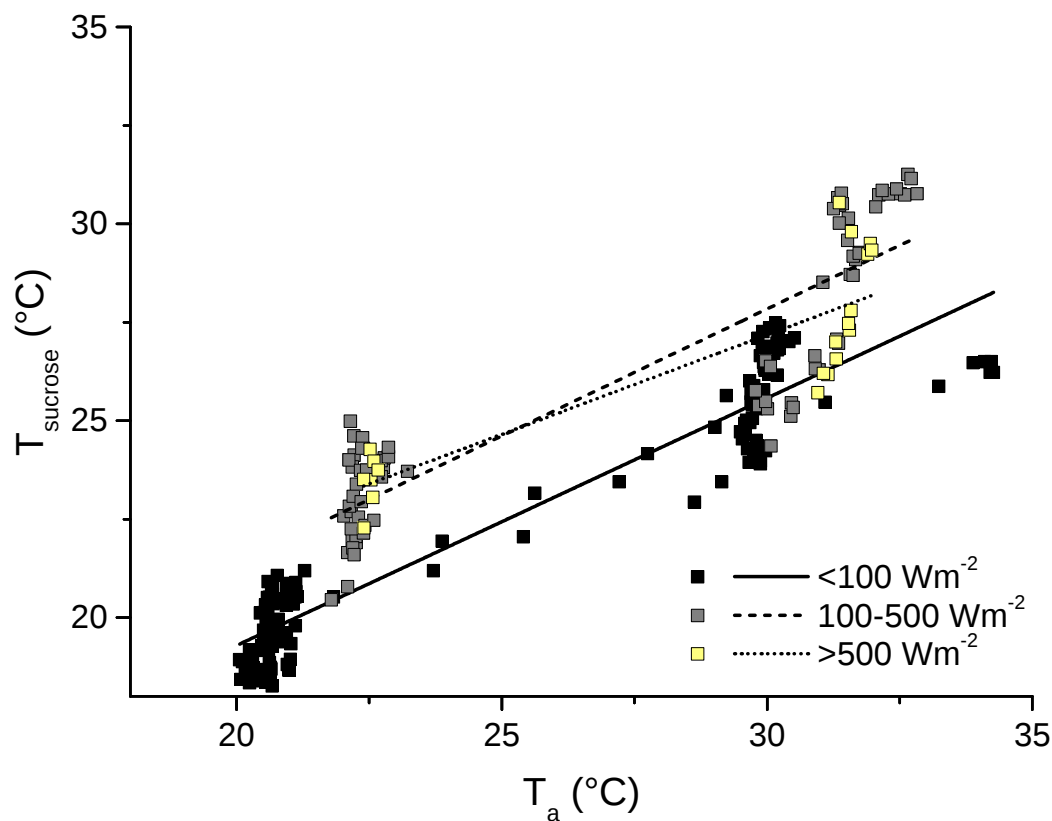


What do foraging wasps optimize in a variable environment, energy investment or body temperature?

Helmut Kovac, Anton Stabentheiner, Robert Brodschneider

Institut für Zoologie
Karl-Franzens Universität Graz, Universitätsplatz 2
A-8010 Graz

E-Mail: helmut.kovac@uni-graz.at, anton.stabentheiner@uni-graz.at



Online Resource 1.

Temperature of the provided sucrose solution (1.5 M) in shade (black/filled symbols) and in sunshine (yellow and grey symbols) in dependence on ambient temperature (T_a). One symbol represents one mean value per stay ($N = 148$ in shade (mean radiation= 20 W m^{-2}), 77 in partly sunshine (mean radiation= 398 W m^{-2}) and 20 in bright sunshine (mean radiation= 533 W m^{-2})).

shade: $T_{sucrose} = 6.71897 + 0.62859 \cdot T_a$

partly sunshine: $T_{sucrose} = 8.47633 + 0.64551 \cdot T_a$

bright sunshine: $T_{sucrose} = 12.02875 + 0.50519 \cdot T_a$

for all $p < 0.0001$, ANOVA