

Notice on Plankton Seminar

#21004

9:00–11:00, 17 May (Mon.) 2021 at room # W103 (2nd Research Building)

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Ikeda, T. (2021)

An approach to integrating specific dynamic action (SDA) with routine metabolism for improved estimation of the realistic metabolism of marine metazooplankton in the field

*Mar. Biol.*, **168**: 65

( ) (SDA)

SDA (AE) (K<sub>1</sub>)

(R<sub>routine</sub>) SDA AE K<sub>1</sub> - (C: N)

R<sub>routine</sub> SDA

(R<sub>SDA</sub>) (I)

R<sub>SDA</sub> = 0.10I (I<sub>field</sub>)

sealed-chamber R<sub>routine</sub> AE K<sub>1</sub>

”basic balanced equations” AE

( ) R<sub>SDA</sub> SDA

(E<sub>SDA</sub>) R<sub>SDA</sub> - (C: N)

8 ( 5 3 )

R<sub>SDA</sub> E<sub>SDA</sub> R<sub>routine</sub> E<sub>routine</sub>

(R<sub>field</sub> E<sub>field</sub>)

R<sub>SDA</sub> R<sub>routine</sub> 0.37 0.25 E<sub>SDA</sub>

R<sub>SDA</sub> 0.080 0.116 R<sub>field</sub> E<sub>field</sub> R<sub>routine</sub> 1.37

E<sub>routine</sub> 1.30–1.74 1.25 1.12–1.40 R<sub>SDA</sub>-I

0.10 (0.085) SDA

9–10% AE

R<sub>routine</sub> 1.37 1.25

AE