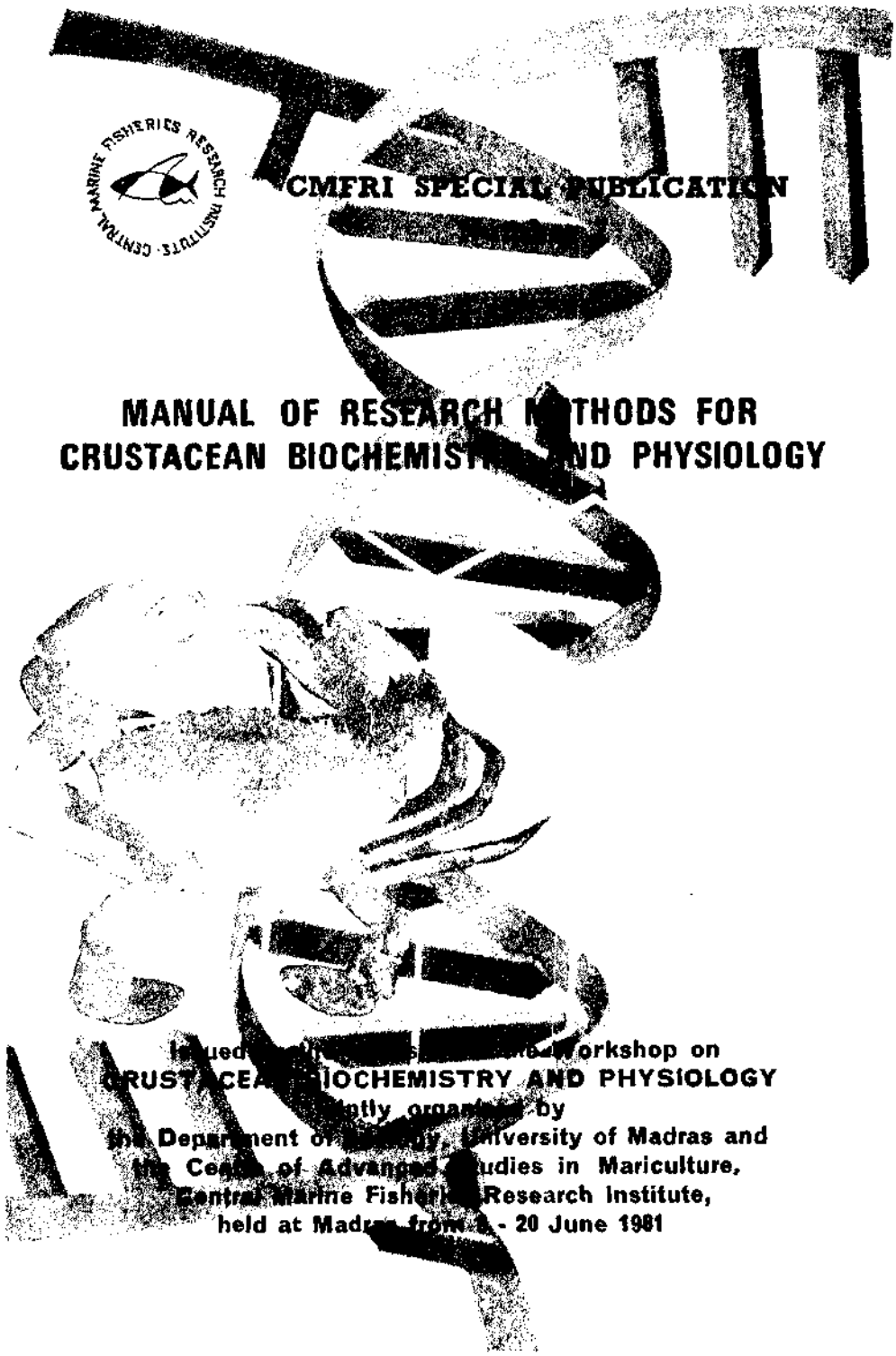
CMFRI SPECIAL PUBLICATION
Number 7

MANUAL OF RESEARCH METHODS FOR CRUSTACEAN BIOCHEMISTRY AND PHYSIOLOGY

Issued on the occasion of the Workshop on
CRUSTACEAN BIOCHEMISTRY AND PHYSIOLOGY
jointly organised by
the Department of Zoology, University of Madras and
the Centre of Advanced Studies in Mariculture,
Central Marine Fisheries Research Institute,
held at Madras from 8 - 20 June 1981



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Manual of Research Methods for Crustacean Biochemistry and Physiology

EDITED BY

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21 PERCENTAGE COEFFICIENT OF VARIATION *

The amount of variation in population having different means is compared using the coefficient of variation.

$$\text{Coefficient of variation} = \frac{\text{Standard deviation}}{\text{Arithmetic Mean}}$$

where standard deviation is the amount of variation that can possibly deviate from the calculated arithmetic mean.

$$\therefore \text{Standard deviation} = \sqrt{\frac{\Sigma x^2 - \frac{(\Sigma x)^2}{n}}{n-1}}$$

The coefficient of variation is usually quantified in terms of percentage (percentage coefficient of variation).

$$\text{Percentage coefficient of variation} = \frac{\text{Standard deviation}}{\text{Arithmetic mean}} \times 100$$

* Prepared by K. Kannan, School of Pathobiology, Department of Zoology, University of Madras, Madras-600 005.

For your own notes

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