Title in English

Subtitle

学籍番号 Name

Department of Environmental Sciences

Graduate School of Sustainable System Sciences

Osaka Metropolitan University

February xx, 2024

Abstract

 An Abstract should be viewed as a miniature version of the paper. The Abstract should provide a *brief* summary of each of the main sessions of the paper: Introduction, Materials and Methods, Results, and Discussion. As Houghton (1975) put it, “An abstract can be defined as a summary of the information in a document.”

“A well-prepared abstract enables readers to identify the basic content of a document quickly and accurately, to determine its relevance to their interests, and thus to decide whether they need to read the document in its entirety” (American National Standards Institute, 1979). Abstract should not exceed the length specified by the journal, and it should be designed to define clearly what is dealt with in the paper. Typically, the abstract should be typed as a single paragraph. (Some medical journals now run “structured” abstracts consisting of a few brief paragraphs, each preceded by a standardized subheading.) Many people will read the Abstract, either in the original journal or as retrieved by computer search.

The Abstract should (1) state the principal objectives and scope of the investigation, (2) describe the methods employed, (3) summarize the results, and (4) state the principle conclusions. The importance of the conclusions is indicated by the fact that they are often given three times: once in the Abstract, again in the Introduction, and again (in more detail probably) in the Discussion.

Most or all of the Abstract should be written in the past tense, because it refers to work done.

The Abstract should never give any information or conclusion that is not stated in the paper. References to the literature must not be cited in the Abstract (except in rare instances, such as modification of a previously published method). Likewise, the Abstract should not include or refer to tables and figures.

(Day and Gastel (2006) *How to Write and Publish a Scientific Paper*より一部改変)