

## Scientific English II

Mohamed Khider University of Biskra  
Faculty of Exact Sciences  
Department of Mathematics  
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### Course Topic: Choosing the Right Journal for Publication

Impact Factor and Journal Classification (C, B, A, A+)

Choosing an appropriate journal is a crucial step in the scientific publication process. This course aims to introduce students to the main criteria used to evaluate scientific journals and to help them make informed and ethical decisions when selecting a journal, particularly in mathematics.

#### 1. Why Journal Selection Matters

- Visibility of research
- Scientific reputation
- Career and academic evaluation
- Probability of acceptance

#### 2. What Is a Scientific Journal?

A scientific journal is a peer-reviewed publication that disseminates original research. In mathematics, journals are often specialized in specific areas such as probability, statistics, analysis, or applied mathematics.

#### 3. Impact Factor: Basic Concept

The impact factor is a bibliometric indicator that measures the average number of citations received by articles published in a journal. While widely used, it has limitations and should not be the only criterion for evaluating research quality, especially in mathematics.

#### 4. Journal Classification

Scientific journals are sometimes classified into categories based on quality and impact:

- C journals: emerging or local journals with limited international visibility
- B journals: well-established journals with moderate impact
- A journals: high-quality international journals
- A+ journals: top-tier journals with very high selectivity

## **5. Choosing a Journal in Mathematics**

When choosing a journal, authors should consider the scope of the journal, the level of their contribution, the intended audience, and the review time. Submitting to an inappropriate journal often leads to rejection.

## **6. Ethical Issues and Predatory Journals**

Predatory journals claim to offer rapid publication without proper peer review. Students must learn to identify and avoid such journals to protect their scientific integrity.

## **7. Short Exercise**

Given a research topic in mathematics, students are asked to identify a suitable journal category (C, B, A, or A+) and justify their choice.