Introduction to scientific writing

- Writing an scientific proposal (research protocol) -

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Introduction: A scientific article structure

Definition

The academic publishing is the process of contributing the results of one's research into the literature, which often requires a peer-review process[1]

Until now your writing probably has focused on technical reports (focused in what you did and what you found), it probably helps to write Methodology and Results sections, but what other sections should we consider?

The structure

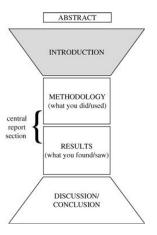


Figure 1: The shape of a research article or thesis[1]

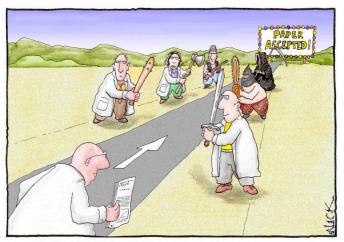


New words and its definition





Peer-review



Most scientists regarded the new streamlined peer-review process as "quite an improvement."

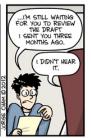


My Reviewer





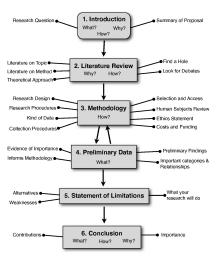




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Research proposal flow

Research Proposal Flow Chart



The introduction

You may want to start your **Introduction** by describing the problem that you are trying to solve. But is not easy ...



Maybe next sentences could help...

The PLA

The synthesis of flexible polymer blends from polylactide and rubber

Introduction

- 1 Polylactide (PLA) has received much attention in recent years due to its biodegradable properties, which offer important economic benefits. 2 PLA is a polymer obtained from corn and is produced by the polymerisation of lactide. 3 It has many possible uses in the biomedical field and has also been investigated as a potential engineering material. 2 A However, it has been found to be too weak under impact to be used commercially. 4
- 5 One way to toughen polymers is to incorporate a layer of rubber particles⁵ and there has been extensive research regarding the rubber modification of PLA. 6 For example, Penney et al. showed that PLA composites could be prepared using blending techniques⁶ and more recently, Hillier established the toughness of such composites.⁷ 7 However, although the effect of the rubber particles on the mechanical properties of copolymer systems was demonstrated over two years ago, ⁸ little attention has been paid to the selection of an appropriate rubber component.
- **8** The present paper presents a set of criteria for selecting such a component. **9** On the basis of these criteria it then describes the preparation of a set of polymer blends using PLA and a hydrocarbon rubber (PI). **10** This combination of two mechanistically distinct polymerisations formed a novel copolymer in which the incorporation of PI significantly increased flexibility.

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The scientific literature, [on-line] www.wikipedia.com



Science research writing for non-native speakers of english

