

Prof Mandana Rafeey

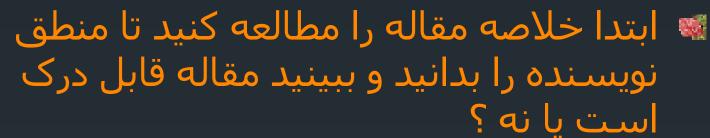


- 1- منتقد باشید، برای یک ویرایشگر تغییر و استفاده از نظرات انتقادی راحت تر از استفاده از نظرات مطلوب است.
- 2- تمام انتقادها را با رفرانسهای خاص از مقالات چاپ شده توجیه کنید ، انتتقادهای مبهم کمک کننده نیستند.
  - •3- اطلاعات مقاله را تکرار نکنید مثل عنوان ها ویا نام نویسنده ها که در جاهای دیگر مقاله نیز بررسی شده اند
    - -4- هدف وطرح نهایی مجله را چک کنید تا مطمئن شوید که نظرات شما مطابق سیاست مجله است.

- 5۔ توصیہ های روشن ارائه بدهید واز جمله ی " تصمیم را برعهدہ ویرایشگر می گذارم " بپرهیزید ، مگر این که واقعاً از نظر خود مطمئن نباشید.
- 6- نظرات خود را شماره گذاری کنید تا نویسنده به راحتی بتواند به آنها رجوع کند
- 7- مشخصاً به شماره سطرهای مقاله یا محل اصلی آنهادر مقاله که می خواهید تغییر کند ،اشاره کنید.
  - 8- مراقب باشید که هویت خود را با نظرات و یا با نام فامیل گزارش خود ،افشا نکنید.

دعوت شده ای برنامه مرور علمی یک نوشته یک افتخار حرفه ای می باشد. لطفاً این کار را جدی بگیرید ،اعتبار ژورنال به این مرور دقیق بستگی دارد.

این مهم است که مطمئن باشید که موضوع نوشته شده در تخصص شما می باشد. بنابراین اگر شما یک کاردیولوژیست اگر مقاله انیترونشنال هستید ، بهتر است اگر مقاله راجع به پاتولوژی آریتمی است آنرا قبول نکنید.



برخی مقالات که راجع به یک کارتحقیقاتی خوب و مشاهدات جالب است دارای نوشتاری ضعیف می باشد که آن را غیرقابل فهم كرده است . اين معمولاً مشكل شابع بین نویسندگان می باشد که زبان اصلی آنها انگلیسی نیست. اگر کار انجام شده با ارزش وجالب است باید یک ویرایشگر اصیل انگلیسی آنرا مجدداً ترحمه کند. بازتولدی مطالعات قبلی است ؟؟ واضحاً مشاهدات اصلی و تازه برای پذیرش برای پزیرش برای چاپ قابل قبول تر است. چاپ قابل قبول تر است. جداول و تصاویر را آزمایش کنید تا

جداول و تصاویر را آزمایش کنید تا ببینید مفاهیم واضح است و نوشته های متن را نشان می دهد.

معمولاً اطلاعاتی که در جداول قرار می گیرند در قسمت نتایج یا جزئیات ثبت نمی شوند. سبینیس آیا آنالیز آماری مفهوم را می رساند. ایا تفاوتهای گزارش شده در آنالیز آماری ارض شده در آنالیز آماری ارزش این را دارد که به عنوان یک مفهوم کلینیکال یا بیولوژیک قابل قبول باشد . گاهی یک تفاوت معنی دار کوچک از لحاظ آماری بین دو یا چند گروه از بیماران از لحاظ بیولوژیکی معنی دار نمی باشد.

- روشها را چک کنید تا مطمئن شوید که نویسنده می دانسته که چه عملی راانجام داده است. اگر آزمایشات آنها روی یک کیت تجاری و غیر دانشگاهی می باشد درنتیجه ارزش کمتر و متفاوت تری خواهد داشت.
- مطمئن شوید مطالعه روی تعداد مناسبی از بیماران انجام شده است. می توانیداز یک متخصص آمار برای مرور آنالیز آماری مطالعه کمک بگیرید ، اگر سوالی در مورد اعتبار نتایج آماری دارید ان را مطرح کنید.

- 8- بحث را مطالعه کنید و ببینید آیا مفهوم را می رساند و آیا بازتابی ازداده های مطالعه را گزارش می کند ؟ دنبال حدسیات غیرضروری و نتایجی که برپایه شواهد نیستند ، بگردید.
  - 9- آیا نوشته فشرده و مرتب می باشد؟ اغلب نوشته هایی که دریافت می کنیم باید کوتاه شوند.
    - 10- آیا کیفیت اشـکال و تصاویر برای چاپ و تکثیر صحیح کافی می باشـد



🕏 ىسپارې از نونسېندگان تمايل دارند که نتايج را در بحث دوبارہ تکرار کنند که این یك امر غیر ضروري است و خواننده را از نكات مهم بحث

میکند و یا په جاي اینکه شرح سادهاي از مطالعات مشابه بدهند مناحث علمي مربوطه را به طور مفصل بیان کنند.

نویسندگان ممکن است به صدها نکته جز پی پیردازند بدون اینکه در مورد اصل قضیه توضیحی بدهند و در نظر نگیرند که این موضوعات ارتباطی با سئوال اصلی محقق ندارد. یك داور خوب باید به همه این نكات توجه نمايد

- آیا نویسنده دستورالعمل نوشتن مقاله که برای ژورنال شما می باشد رارعایت کرده است یا نه؟
- اگر مرور مقاله موردی نمی باشد و شما می دانید کدام انستیتو و نویسندگان روی آن کار کرده اند. آیا نویسندگان سابقه کار در این مورد را داشته اند و آیا در این موضوع مشهور می باشند؟ آیا آنها نظرات و یا علاقات خاصی دارند که قبلاً اعلان شده و یا نشده است ؟
- آیا رضایت آگاهانه (در مورد مطالعات روی انسان با مدارکی که توسط کمیته دفاع از حقوق انسان یا حیوان قبل از شروع مطالعه بازبینی شده باشد ، وجود دارد ؟

ایا مقاله پر از خطاهای تایپ یا ایرادهایی در رفرانس هاست که نشان دهنده یک کار نامرتب در نوشتن مقاله است ؟

په طور دقیق آیا شما به چیزی که نویسندگان می گویند اعتقاد دارید ؟ به وجود بعضی از خطاهای ثابت در هیپوتز و روشها و آنالیز داده ها و سایر مظنون هستید ؟ آیا احتمال فریب علمی و یا دزدی ادبی در مقاله وجود دارد؟

داوران باید ببینند که آیا در پایان کار، نتیجه اي كه گرفته شده با بافته ها و اطلاعات حاصل از

دادهها مطابقت می کند یا خبر ؟ به عبارت دیگر داور باید از خود بیرسد که براساس یافته های مطرح شده در این مقاله آیا ادعای نویسندگان معقول و مستدل است؟

- شكي نيست كه سرنو شت آكادميك و نتيجه زحمات بسياري از اعضاي هيئت علمي به شكلي با نحوه داوري و قضاوت ساير همكاران گره خورده است .
- ضمن تأکید بر اینکه امر قضا و داوری در کلیه شئون دارای اهمیت و حساسیت خاصی است، شایسته است کلیه داوران محترم تعمق بیشتری روی موضوع قضاوت نموده و مبانی تئوریك واخلاقی، داوری مقالات علمی را در حد امكان مورد بحث قرار دهند.

# Understanding peer review is key to developing informed opinions about scientific research.

Tracy Brown





## The Peer Review Process

#### Mandana Rafeey.MD.

Adapted from a presentation by Richard Henderson, Elsevier Hong Kong

### Principles of Peer Review \*

Peer review is the central pillar of trust for researchers

84%

of researchers believe that without peer review there would be no control in scientific communication.



#### Peer review means better research

9 out of 10 researchers feel that peer review improves the quality of their published paper.

#### Good reviewers attract good authors

#### Reviewer quality and speed

are the top 2 contributing factors that lead to a pleasant publishing experience and attract authors to publish in a journal.



#### Publishers are key to good peer review

Researchers believe organizing and managing peer review is the crucial role of publishers.

Sources:
Wiley RANO survey, 2013
Mabe & Mulligan, "What Journal Authors Want", New Review of Information Networking, 2011
Trust and Authority in Scholarly Communications in the Light of the

Digital Transition, University of Tennessee & CIBER Research Ltd, 2013.

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- Peer review has a long history; it has been a part of scientific communication since the appearance of the first journals in the 1660s.
- The Royal Philosophical Transactions is accredited as being the first journal to introduce peer review.

# Why is peer review a part of the scholarly publishing process?



- What is the history of peer review and what role does it serve?
- Why should I consider being a reviewer?
- How do I carry out a proper and thorough review?

- Cornerstone of the whole scholarly publication system
- Maintains integrity in the advancement of science
- Well-established process over 300 years old

#### **Background on Peer Review**

- Acts as a filter by ensuring only good research is published. Helps to determine validity, significance and originality
- Improves the quality of the research submitted for publication by giving reviewers the opportunity to suggest improvements

## Peer Review has two key functions:

- 1."Single blind" peer review
- 2. "Double blind" peer review
- 3. Open peer review

#### Different Types of Peer Review

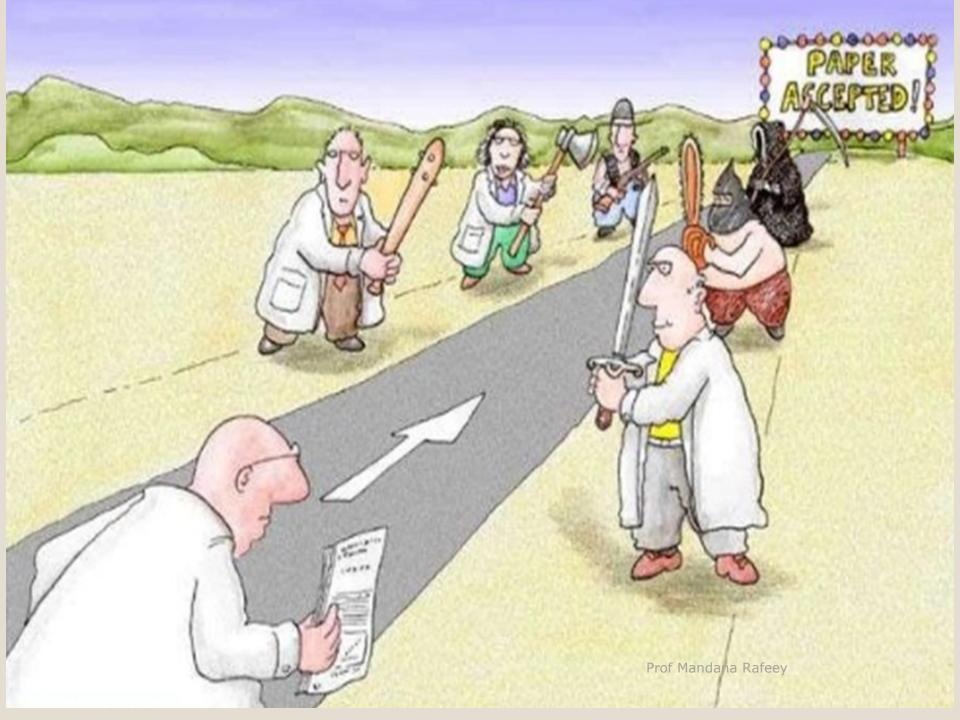
- Scientific experts in specific fields and topics
- Young, old, and mid-career
- Average number of completed reviews is 8 per year\*

#### **Who Conducts Reviews?**

# Why Do Reviewers Review?

#### Fulfill an academic 'duty'

- Keep up-to-date with latest developments
- Helps with their own research
- Build associations with prestigious journals and editors
- Remain aware of new research
- Develop one's career Why Do Reviewers Review?



#### What to look for

- 1. Appropriateness for the journal
  - Is the topic <u>relevant</u> to the journal?
  - Is the topic <u>timely?</u>
  - Is the topic <u>significant?</u>
  - Is the study <u>unique?</u> If so, <u>How?</u>

#### **Peer-review Process**

- Is this manuscript of interest to readers of the journal?
- Is there a clear hypothesis or aim?
- Are the study and manuscript of good quality?
- What does the study add/or is there a clear clinical message?

Get a first impression from the abstract

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- This should be stated in the abstract
- Justified in the introduction
- Established before results became known
- Investigated with suitable methods
- Conclusions justified clearly against the results and what is already known about this topic

#### Is there a clear hypothesis/aim?

#### What to look for

- 2. What type of paper/research is it?
  - If research, how is it structured?
    - Randomized, controlled, blinded Metaanalysis?
    - Retrospective?
    - Case series or single case

#### **Peer-review Process**

#### Editors/Peer Reviewers look for:

Did the author follow the instructions of the journal?

- Correct Number of Authors?
- Conflict of Interest/Disclosure Statement?
- Copyright release signed?
- Informed consent (if applicable)/Ethics considerations

#### **Editors and Peer-review Process**

Did the author follow the Instructions of the journal?

- Is the article format correct?
  - Structured abstract?
  - Correct article format (Abstract,
     Introduction, Methods, Results,
     Discussion, Conclusion, Refs?)
- Are References in correct format?

#### Peer Reviewers look for:

#### Are the technical aspects correct?

- Research Structure:
  - Correctly described and performed?
- Statistics:
  - Correct analysis?
  - Accurate interpretation?
  - Clear presentation?

#### **Peer-review Process**

## Editors/Peer Reviewers look for: Technical aspects, continued <u>Tables and Figures:</u>

- Accurate and clear structure, presentation, and presentation?
- Do the numbers add up?
- Are the data consistent with the body of the paper?

#### **Peer-review Process**

## Editors/Peer Reviewers look for: Technical aspects, continued <u>Tables and Figures:</u>

- Abstract & Body of paper
  - Do number of patients, other data match?
  - Conclusions consistent?

#### **Peer-review Process**

 Do these convey the content of the manuscript accurately?

#### Re-read the title & abstract

- If you are reviewing for an some journal: Scopus or other site will help you! (You will be able to click straight through to Scopus from journal review system, EES).
- Otherwise use the resources available to you through your institution's library to find topical literature & can alert you of possible duplicate publication/plagiarism

# **Topical literature & duplicate publication**

- You are now ready to write a review of the manuscript
- Write constructive criticisms for revisions
- If you have a conflict of interest, please state this and remember that scientific debate can be enhanced by controversies

## **Get writing**

- Anticipate the deadline
- Summarize the article at the top of your report
- Please give detailed and constructive comments (with references, whenever possible) that will both help the editors to make a decision on the article and the authors to improve it.

## **Sending Report to the Editor**

- The report should be comprehensive
- Explain and support your judgments
- Make a distinction between your own opinions and your comments based on data
- Be courteous and constructive

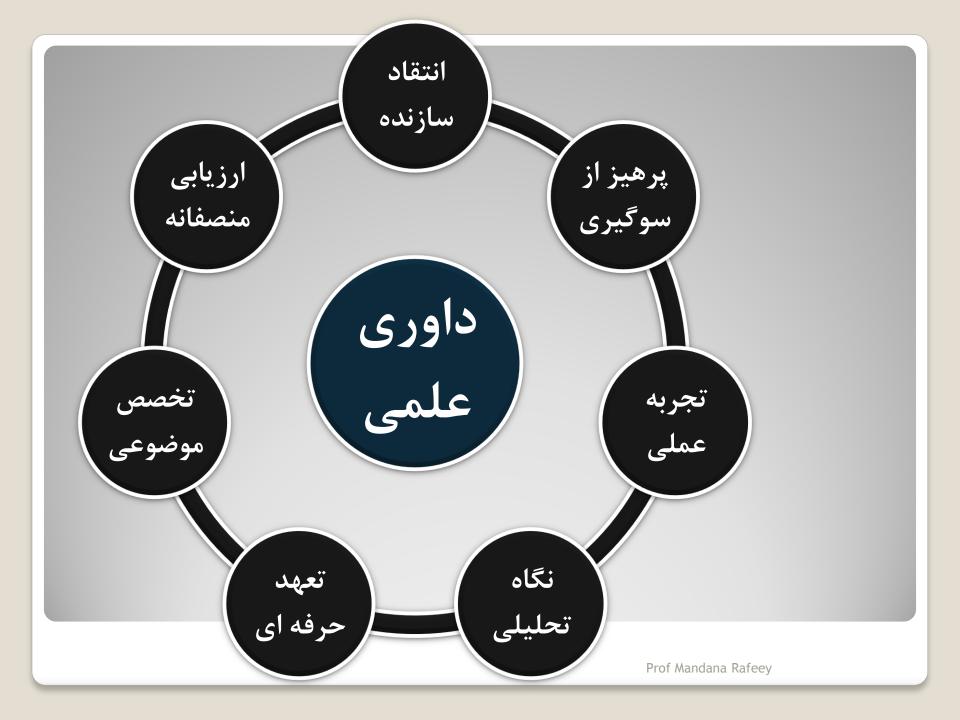
- Review your own report. Set aside your peer review report and let it sit for a day or two. You will have fresh eyes when you come back to it.
- Make sure to do the following before submitting: • Provide as many specifics from the manuscript as possible.
- Clarify your argument.
- Proofread. Eliminate typos, missing words, and grammatical errors.

#### **REJECTION:**

Most journals accept 30% or less (NEJM, BMJ accept ~ 10%)



**Peer-review** 





# Plagiarism and Misconduct

#### **Dr. Samad EJ Golzari**

Assistant Professor of Anesthesiology and Intensive Care Medicine Tabriz university of Medical Sciences Tabriz, Iran

#### **Definition**

The use of the word "plagiarism" in the English language dates back to the 1600s. It is derived from the Latin word "plagiare" which means to "kidnap." The World Association of Medical Editors (WAME) defines plagiarism as:

"... the use of others' published and unpublished ideas or words (or other intellectual property)

- How much similarity is tolerable by the editors?
- Depending on the reviewer and editor's judgment, subtle forms of plagiarism, if unintentional, sometimes may not be labeled as scientific misconduct or require a legal sanction.

- What about larger scales of plagiarism?
- In its more severe forms, especially when it is intentional, plagiarism is considered a serious offence. If an author is found guilty of such an offence, his article may be retracted. The journal's editorial board may issue a publication ban on him. The case of plagiarism may be

# **TYPES OF PLAGIARISM:** Plagiarism of ideas Plagiarism of text (direct plagiarism) Mosaic plagiarism Self-plagiarism

# Plagiarism of ideas

Even if an author does not copy any words and phrases from the original article, if he simply uses the same idea, thought, or invention and presents it as his own without proper acknowledgment, the same may amount to plagiarism.







It is possible that after a particular article has been rejected by a board of reviewers, one of the reviewers may "kidnap" the idea, write a fresh article, and get it published in a different journal under his name. This is plagiarism of

Another kind of plagiarism is commonly seen among postgraduate students who borrow ideas for their thesis papers after searching through earlier research papers. Faculty members at some institutes quite often do not mind such practices and there have been

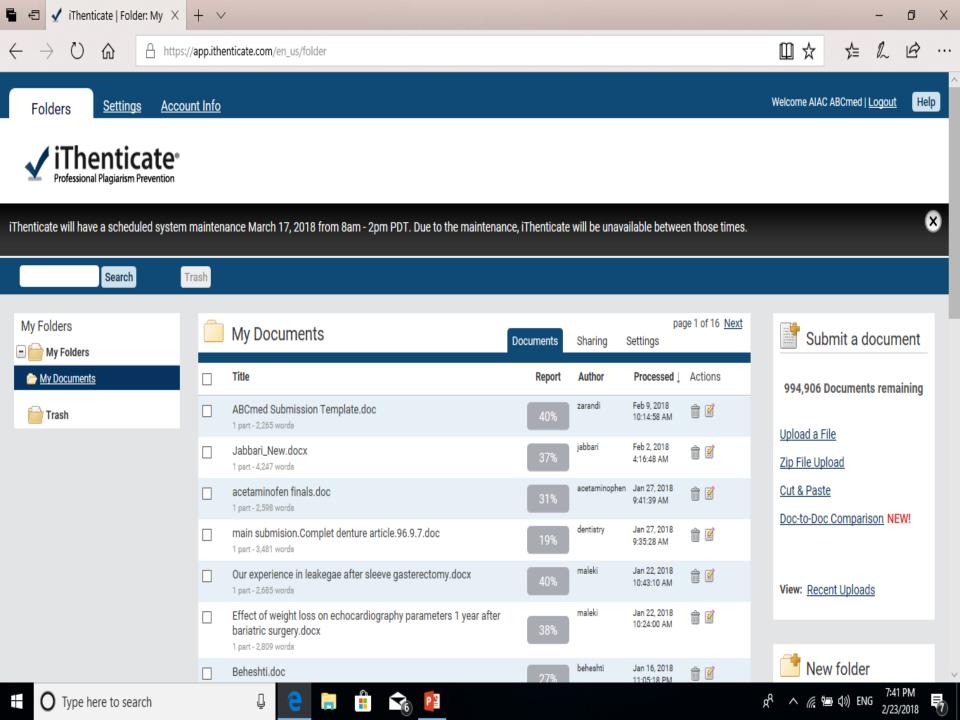
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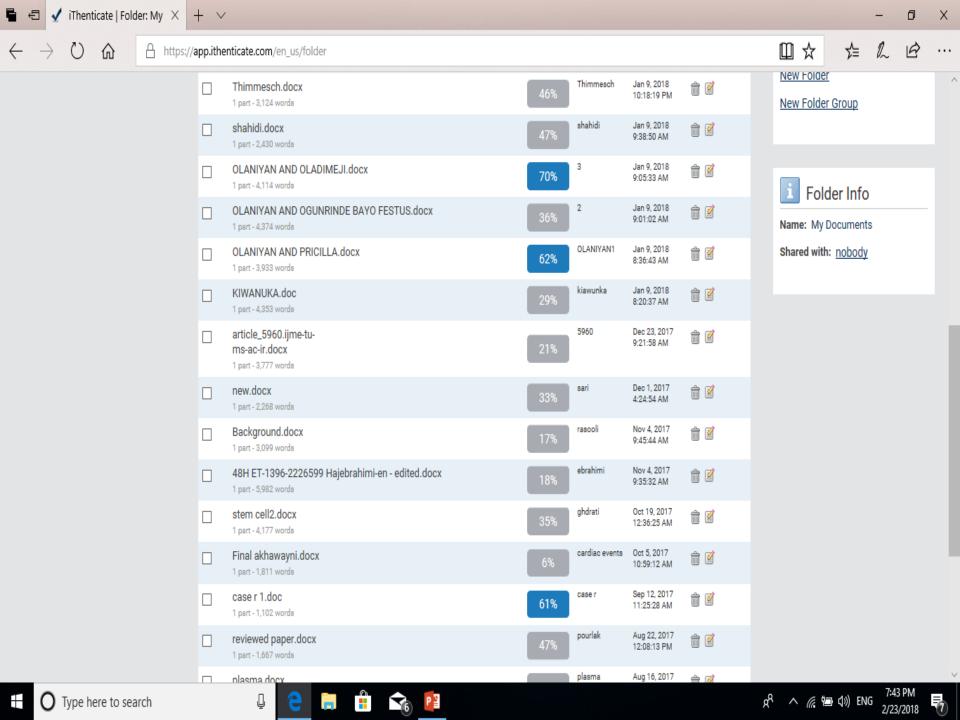
Plagiarism of ideas is also common during seminar and conference presentations. The presenters often pick up ideas from various sources such as text books, research journals, conference proceedings, etc., and compile a presentation on a particular topic and present it as their own. As long as all sources are aptly acknowledged in the

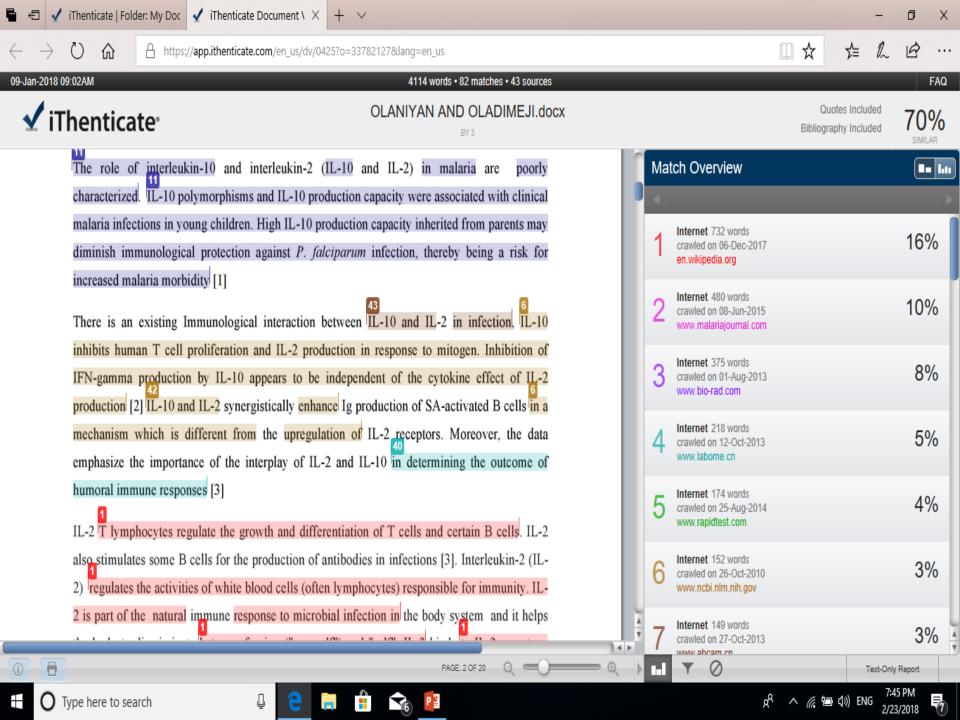
- Plagiarism of text is also called "wordfor-word" plagiarism.
- Roig describes this kind of plagiarism as"...copying a portion of text from another source without giving credit to its author and without enclosing the borrowed text in quotation marks."
- Earlier, plagiarizing text from an article also required considerable hard work.
  - One had to visit libraries and go through volumes of literature and read several textbooks to be able to copy relevant ideas and text. Even access to such

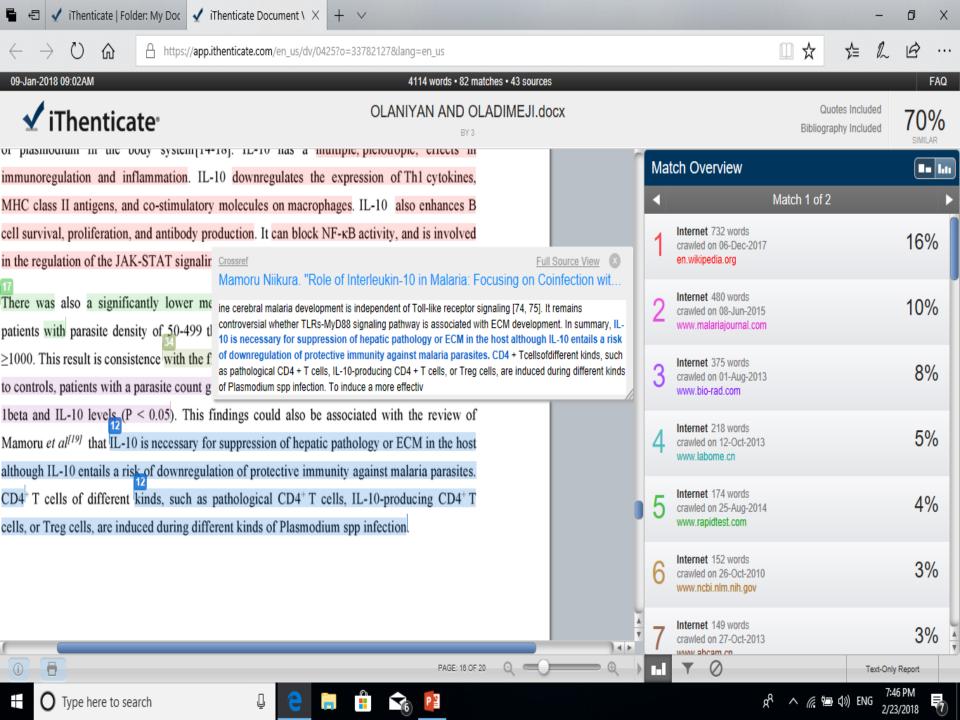
 We have to understand that though technology makes plagiarism easy, it also makes detection of plagiarism even easier. There are both paid and free online software that can easily detect even short phrases that are copied verbatim from the original source. Sometimes, simply a Google search is Bsufficient to detect plagiarism. Some other editors use active

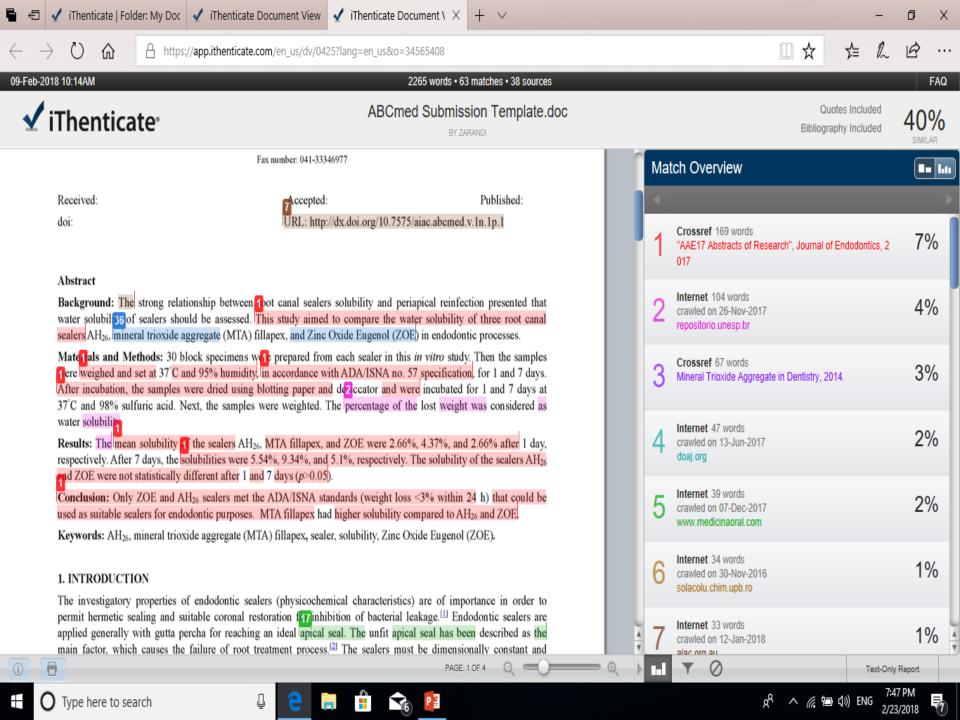
software such as SafeAssign





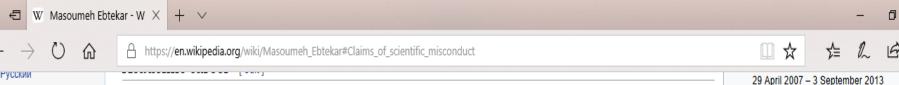






Alirio Menendez (Singapore), a professor of immunology, was found guilty of misconduct on an "unprecedented" scale by a committee at the National University of Singapore (NUS), by having fabricated, falsified or plagiarized at least 21 research papers published in international academic journals. Menendez originally worked at NUS but moved to the UK in 2007, where he first worked at the University of Glasgow and next the University of Liverpool. [23]

Elias Alsabti (Iraq) plagarised as many as 60 papers in the field of cancer research. [4]



Svenska 

Ebtekar has served as faculty member at Tarbiat Modares University, which is a post graduate academic center located in Tehran. As an Associate Professor in Immunology, she has taught, supervised and advised PhD and MSc students. Ebtekar currently teaches cytokines, viral immunology, HIV vaccines, aging, immunology of the nervous system and psychoneuroimmunology. B She has currently filed 41 ISI scientific articles in the field of immunology in her name. In her speech to the Eleventh International Congress of Immunology in Tehran. [9] She mentioned the detrimental effect of sanctions on the advancement of science in Iran and noted that sanctions should not be directed against nations. Ebtekar is a member of several research board committees and a reviewer for two international and four national immunology journals.[10][11]

#### Claims of scientific misconduct [edit]

On 7 October 2008, eTBLAST, a text similarity search engine on MEDLINE database, noted that 85% of a paper published by Masoumeh Ebtekar came from several previously published articles. The paper, on cytokines and air pollution, was published in 2006 in the Iran Journal of Allergy Asthma Immunology (IJAAI) 5 47-56:2006. [12] A couple weeks after the eTBLAST report, Nature magazine covered the story, quoting one of the authors of original papers, (lan Mudway, a toxicologist at the King's College London) as saying, "the article is a veritable patchwork of other people's work, word for word, grammatical error for grammatical error." Nature also stated that Ebtekar had not replied to its emails.[13] In response, the editor-in-chief of the IJAAI issued a statement saying: "We regret for this duplication that appeared in the journal. We are working with the editors of the JACI journal [the Journal of Allergy and Clinical Immunology, a scholarly periodical that published three of the papers from which Ebtekar had copied] to find the best solution in this regard." In December 2008 Ebtekar's article was retracted. [12]

The issue received some political and public attention in Iran. [14] Ebtekar issued a statement admitting she had made a mistake and apologizing for it, but including a list of complaints such as eTBLAST's failure to inform her of their finding in advance, the fact that the article was a review article she was invited to write for the Journal, and that more than 76 references were given in the text. [15] In 2013 Ebtekar was elected as the President of the 12th International Congress of Immunology. The Congress was held on April 29, 2014. Ebtekar spoke in the opening ceremony and introduced Rolf Zinkernagel, the Nobel Laureate for Medicine, as the guest of honour.[16]

#### Social and Governmental career [edit]

In 1981, Ebtekar became the editor-in-chief of the English daily newspaper Kayhan International, selected by Khatami who was then the representative of Ayatollah Khomeini in Kayhan Institute. She served in the newspaper until 1983. In 1991 she co-founded the Institute for Women's Studies and Research. Since 1992, she has been the license holder and















Majority

Born

Spouse(s)

Children

Relatives

Alma mater

Occupation

Signature

Website

232,959

Personal details

Niloufar Ebtekar

Tehran, Iran

Political party Islamic Iran Participation Front

Isa (b. 1983)

Taha (b. 1986)

Taghi Ebtekar (Father)[1]

Fatemeh Barzegar (Mother)[2]

Shahid Beheshti University

Tarbiat Modares University

Politician, Scientist and

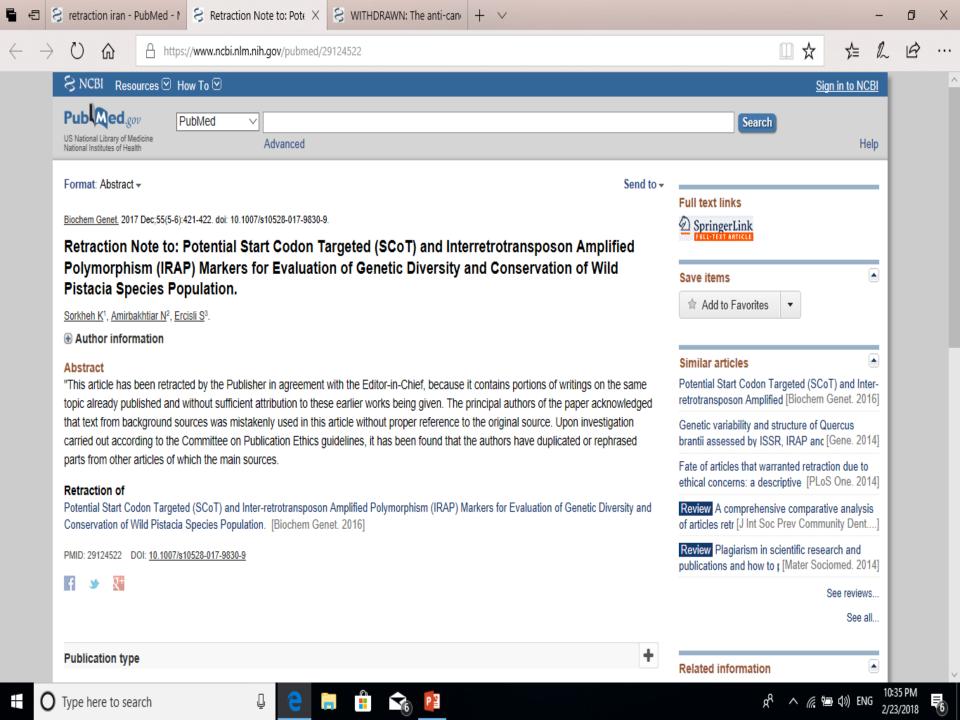
Journalist

21 September 1960 (age 57)

Mohammad Hashemi (m. 1981)

# Mosaic plagiarism

The American Medical Association Manual of Style describes mosaic plagiarism as"... borrowing the ideas and opinions from an original source and a few verbatim words or phrases without crediting the original author. In this case, the plagiarist



# Self-plagiarism

If plagiarism is theft, selfplagiarism refers to stealing one's own work. There is controversy on whether selfplagiarism actually amounts to scientific misconduct. Sometimes, the author may borrow significantly from his/her own previous work. In scientific

However, suppose an author has been writing textbooks on, say Anatomy or Physiology, how does he make sure that no portion of what he has written before is repeated in his future books? He simply cannot change the human anatomy or physiology in order to avoid being labeled as a"selfplagiarist." So what does he do?

Common consensus is that he should seek permission for reproduction from the copyright holder (if the copyright has been transferred to the publisher). He must cite the original book, chapter, or article properly. The key here is disclosure and transparency in doing so. As long as he lets the editors and the end readers know that the

work had been nublished

# COMMON TIPS FOR AVOIDING PLAGIARISM

- Ethical medical writers must always acknowledge the original source of the idea, text, or illustration.
- They must remember to enclose within quotation marks, all the text that has been copied verbatim from another source.
- When paraphrasing, they must read the text, understand completely, and then use only their own words.
- Even when explaining somebody else's ideas in their own words, it is important

They must cite references accurately.

- When not sure if the idea/fact they wish to include is common knowledge, a medical writer must cite references.
- A medical writer should avoid writing multiple separate articles if he can present a large complex study in a cohesive manner in a single article. Along with the manuscript, he should submit a cover letter to the editor,

#### Misconduct

Duplicate publication

The authors may be the same or the order of authorship may change. The same study sample, control data, or study outcomes may or may not be presented. Sometimes, writers use the same tables or figures that may have appeared in previous publications.

Another common form of self-plagiarism is salami slicing.

Instead of publishing a large study as a single article, sometimes authors "slice" it into several smaller articles. Should very

large compley longitudinal studies with

Sometimes, authors submit the same article to two or more different journals within a few weeks' gap. In case both the journals have published it, the article that was published later has to be retracted. If an article has originally been published in a non-English journal and the author wishes to publish a translation



Danish neuroscientist who was a Professor at the Panum Institute at the University of Copenhagen from 2009–2010.

In 2010 she was accused of scientific misconduct, as her graduate students were unable to replicate her previous results. Doubts arose about whether Penkowa had in fact carried out the experiments that she had reported.

In August 2012 an international panel of 5 researchers who had been carrying out an investigation of Penkowa's research for The University of Copenhagen concluded that there is "no doubt

#### Joachim Boldt



a German anesthesiologist who was previously considered a leading researcher into colloids. He has been stripped of his professorship and is under criminal investigation for possible forgery of up to 90 research studies. The editors of 16 different scientific journals, including Anesthesia & Analgesia, Anaesthesia, the European Journal of Anaesthesiology and the British Journal of



a Japanese researcher in anesthesiology, who in 2012 was found to have fabricated data in at least 183 scientific papers, setting what is believed to be a record for the number of papers by a Yoshita single author requiring

retractions.

In February 2012, after initial investigations into allegations

