



Ethical Issues in Reporting Research Results



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- **Current**
 - Professor and Head
 - Department of Neurosurgery, Tribhuvan University Teaching Hospital Nepal
- **Past President (2017~2019)**
 - Nepalese Society of Neurosurgeons
- **Founder Editor-in-chief (2004-2015)**
 - Nepal Journal of Neuroscience
- **Director of Research, Institute of Medicine, TU, Nepal 2020-2023**
- **Publications**
 - >140 articles in peer reviewed journals
 - 8 book chapters
 - 2 national guidelines for head and spinal trauma
- **Special interests**
 - Biostatistics and Public health
 - Research and publications, Research equity





Tribhuvan University Teaching Hospital



The belief in a supernatural source of evil is not necessary; men alone are quite capable of every wickedness.

- Joseph Conrad (1857-1924)

Introduction

- Behavior by a researcher, that falls short of good ethical and scientific standards.¹
- Unacceptable behavior in proposing, performing, or reporting research.²

1. Joint meeting of BMJ and the Committee on Publication Ethics (COPE)

2. US FDA

Why does this Happen?

- Poor supervision
- Too much work and academic pressure
- “Publish or perish” culture
- Incentives for enrolling , financial gain

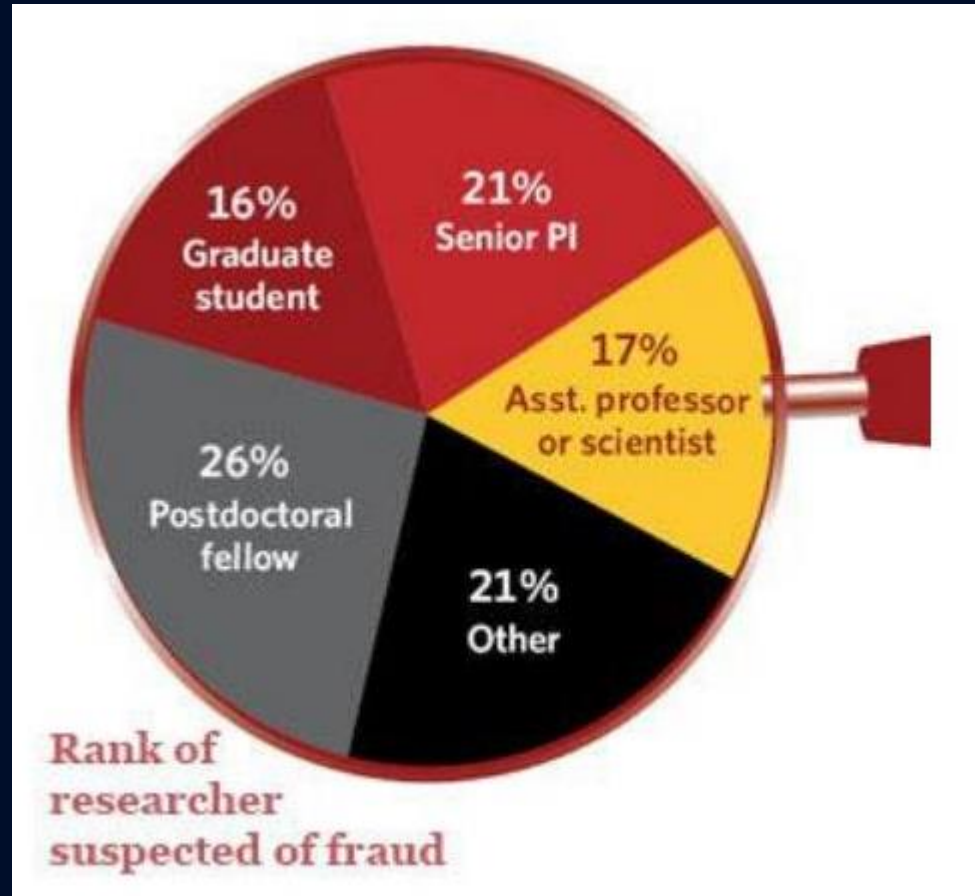
Errare
humanum est,
ignoscere
divinum

To err is human,
to forgive divine

ERRARE HUMANUM EST
PERSEVERARE
AUTEM DIABOLICUM

To err is human, but to
persist in error (out of
pride) is diabolical


Who Commits it?



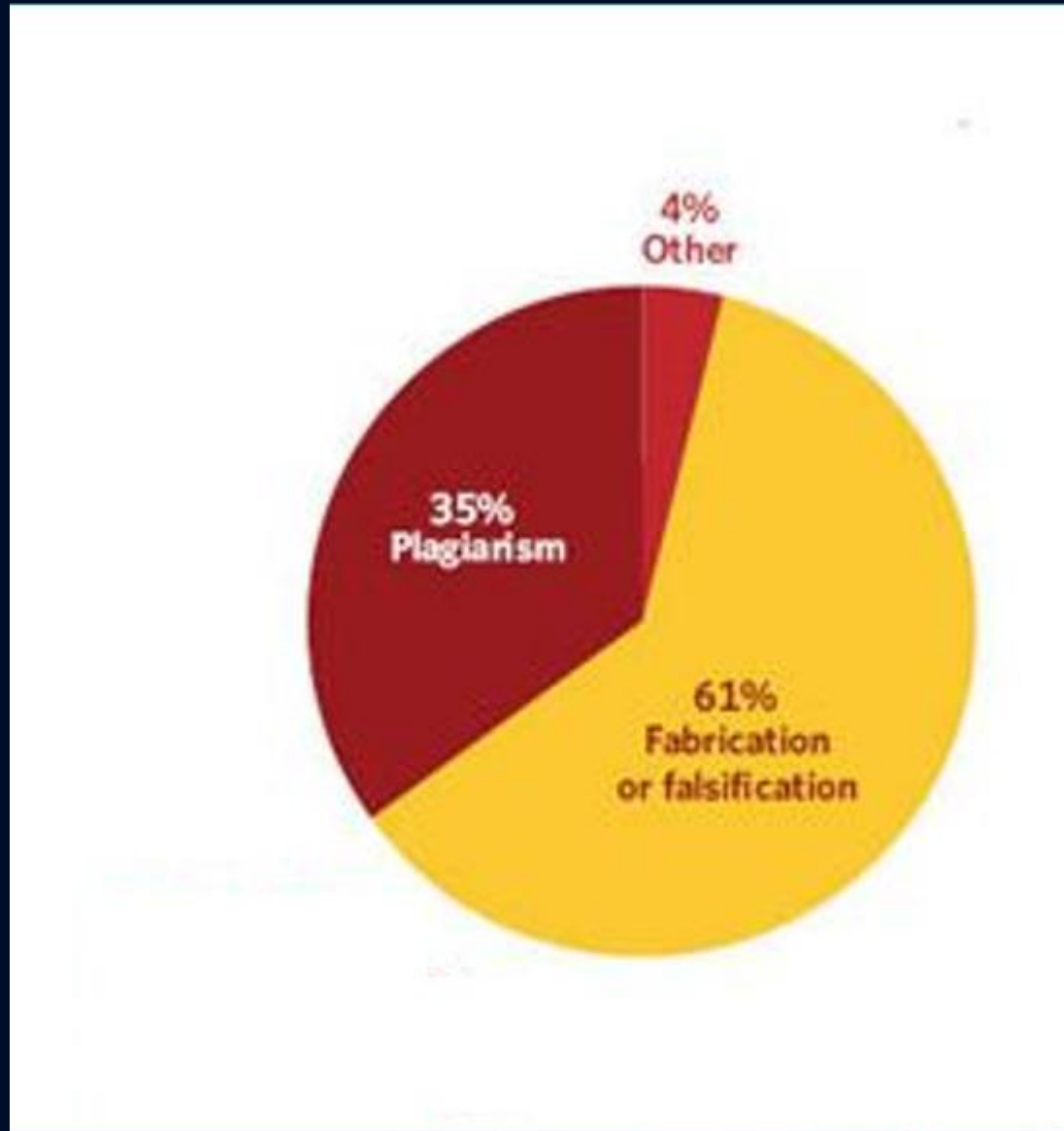
Gawylewski. The scientist, 2009

Types

(In descending order of seriousness)

- Fabrication
 - Falsification
 - Plagiarism
 - Research without prior IRB approval
 - Selective reporting
 - Conducting research without informed consent
 - P- hacking
 - Gift/Ghost authorship
- 
- Three cardinal sins of research

Evans S. How serious is it? Royal College of Physicians of Edinburgh. Joint consensus conference on misconduct in biomedical research, 2000



Gawylewski. The scientist, 2009

Fabrication

- Outright 'manufacture' of data.
- "Drylabbing"
 - Reporting experiments that were never conducted.
- Consequences
 - Blacklisted from the profession
 - Reputable research organizations and universities refuse to hire
 - Funding sources refuse to sponsor their work
 - Journals refuse to publish their work

Dr. Hwang Woo-suk, 2006, South Korea

- 'Pioneer' in stem cell research
- Fabricated data on stem cell research
- Article from nature retracted
- Embezzled money from government
- Coerced lab members for egg donation



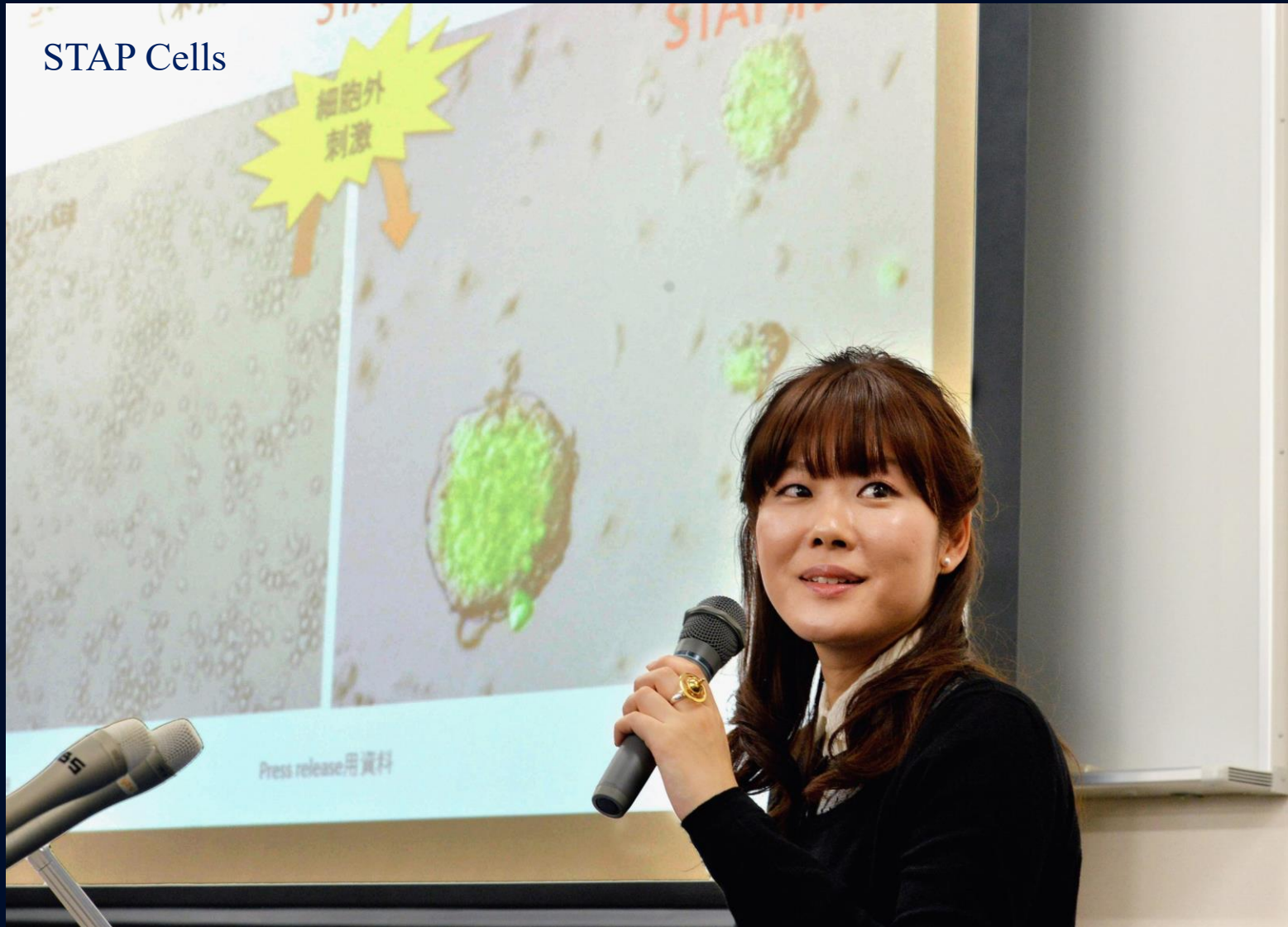
The Telegraph

HOME » NEWS » WORLD NEWS » ASIA » SOUTH KOREA

Disgraced South Korean scientist guilty of fraud over faked stem cell research

hearing, broke into applause when the court sentenced Hwang to two years in jail, suspended for three years.

Haruko Obokata, Japan, 2014



Stimulus-triggered fate conversion of somatic cells into pluripotency

Haruko Obokata , Teruhiko Wakayama, Yoshiki Sasai, Koji Kojima, Martin P. Vacanti, Hitoshi Niwa, Masayuki Yamato & Charles A. Vacanti 

Stimulus-triggered fate conversion of somatic cells into pluripotency ...

<https://www.nature.com> > nature > articles

by H Obokata - 2014 - Cited by 262 - Related articles

Jan 29, 2014 - Hereafter, we refer to the fate conversion from somatic cells into pluripotent cells by strong external stimuli such as low pH as 'stimulus-triggered acquisition of pluripotency' (STAP) and the resultant cells as STAP cells.

Retraction: Stimulus-triggered fate conversion of somatic cells into ...

<https://www.nature.com> > nature > retractions

by H Obokata - 2014 - Cited by 263 - Related articles

Jul 2, 2014 - Retraction: Stimulus-triggered fate conversion of somatic cells into pluripotency.

Haruko Obokata; , Teruhiko Wakayama; , Yoshiki Sasai; , Koji Kojima; , Martin P. Vacanti; , Hitoshi Niwa; , Masayuki Yamato; [...] & Charles A. Vacanti; - Show fewer authors. Nature volume 511, page 112 (03 July 2014); doi ...

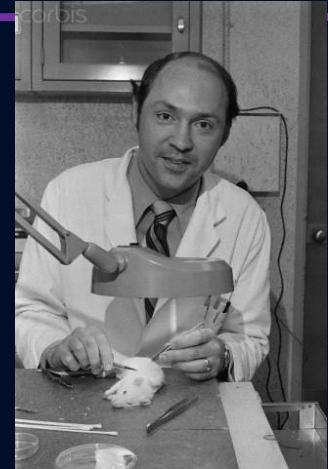
Falsification

- Willful manipulation of data or image to obtain the desired the results

Dermatologist - William T. Summerlin (1974)

Sloan-Kettering Institute, NY

- **Research Model**
 - Involved transplantation of skin from black mice (with black melanocyte pigment cells) to white mice (without melanocytes). Over time, the melanocytes would naturally tend to migrate out of the transplanted tissue to produce a grayish patch rather than a distinctly black patch
- **Falsification**
 - Faked the results of skin transplants on mice with a black pen



“Painting the mice” has become a synonym for research fraud!

The controversy of Dr. Dipak Das and resveratrol research manipulation

January 24, 2016 · Controversy in Wine



Doctor Dipak K. Das continues to be a controversial figure in alcohol and wine health research. His work and the allegations against him have added fuel to the fire when trying to resolve the question of whether resveratrol is truly beneficial to human health and how important it is compared to alcohol when reducing cardiovascular events.

Plagiarism

- Copying of other's ideas, data or words without proper acknowledgement.
- Sufficient enough to mislead the ordinary reader regarding the contributions of the author.
- **Direct Plagiarism**
 - Word for word copying of other's work without acknowledgement.
- **Mosaic Plagiarism**
 - Writer reuses a mix of word, phrases, and ideas from unacknowledged source.
- **Self Plagiarism**
 - "Salami-slicing."

ABSTRACT

Infertility is one of the medial, social and psychological burdens in this part of world. Thyroid dysfunction can lead to menstrual disturbance, anovulatory cycles, and decreased fecundity. Proper management of thyroid dysfunction can result restoration of normal fertility. Therefore it is very important to screen thyroid abnormalities among women with infertility. This study aimed to determine association of thyroid dysfunction among infertile women. This study comprises total of 735 primary infertile women with age ranging from 20 to 35 years. Blood samples were collected and subjected for estimation of thyroid hormones. Out of 735 cases 547 (74.4%) were euthyroid. 56 (7.6%) have primary hypothyroidism, 31 (4.2%) have primary hyperthyroidism, 87 (11.8%) have subclinical hypothyroidism, and 8 (1.1%) have subclinical hyperthyroidism.

Keywords: Infertility, Thyroid hormone, Thyroid dysfunction

Bali Medical Journal (BMJ) 2013, Volume 2, Number 3: 104-107

Background: Infertility is one of the medial, social, and psychological burdens in this part of world. Thyroid dysfunction can lead to menstrual disturbance, anovulatory cycles, and decreased fecundity. Proper management of thyroid dysfunction can result in restoration of normal fertility. Therefore it is very important to screen thyroid abnormalities among women with infertility. This study aimed to determine association of thyroid dysfunction among infertile women. This study comprises total of 735 primary infertile women with age ranging from 20 to 35 years. Blood samples were collected and subjected for estimation of thyroid hormones. Out of 635 cases 447 (74.4%) were thyroid. A number of 56 (7.6%) have primary hypothyroidism, 31 (4.2%) have primary hyperthyroidism, 87 (11.8%) have subclinical hypothyroidism, and 8 (1.1%) have subclinical hyperthyroidism.

Keywords: infertility, thyroid, hormone, dysfunction



Rules Regarding Plagiarism & Using to Detect Similarity *A step by step demo*



Tribhuvan University



त्रिभुवन विश्वविद्यालय

त्रि.वि. सभा तथा कार्यकारी परिषद्को सचिवालय
कीर्तिपुर, काठमाडौं, नेपाल

प.सं.स.का.प.च.नं.:

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Gift//Ghost Authorship

- Ghost author
 - A professional writer whose contribution to produce a paper is excluded in the final publication.
- Guest/gift author
 - Author without much contribution

Predatory Publishing/Journals

- Scholars are tricked into publishing with them
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Are predatory journals all bad?

Feb 10, 2017

🔒 beallslist.net

BEALL'S LIST OF POTENTIAL PREDATORY JOURNALS AND PUBLISHERS

PUBLISHERS

[STANDALONE JOURNALS](#)

[VANITY PRESS](#)

[CONTACT](#)

[OTHER](#)

Potential predatory scholarly open-access publishers

Instructions: first, find the journal's publisher – it is usually written at the bottom of the journal's webpage or in the "About" section. Then simply enter the publisher's name or its URL in the search box above. If the journal does not have a publisher use the [Standalone Journals](#) list.

All journals published by a predatory publisher are potentially predatory unless stated otherwise.

Original list

GO TO UPDATE

This is an archived version of the Beall's list – a list of potential predatory publishers created by a librarian [Jeffrey Beall](#). We will only update links and add notes to this list.

- [1088 Email Press](#)

Useful pages

[List of journals falsely claiming to be indexed by DOAJ](#)

[DOAJ: Journals added and removed](#)

[Nonrecommended medical periodicals](#)

[Retraction Watch](#)

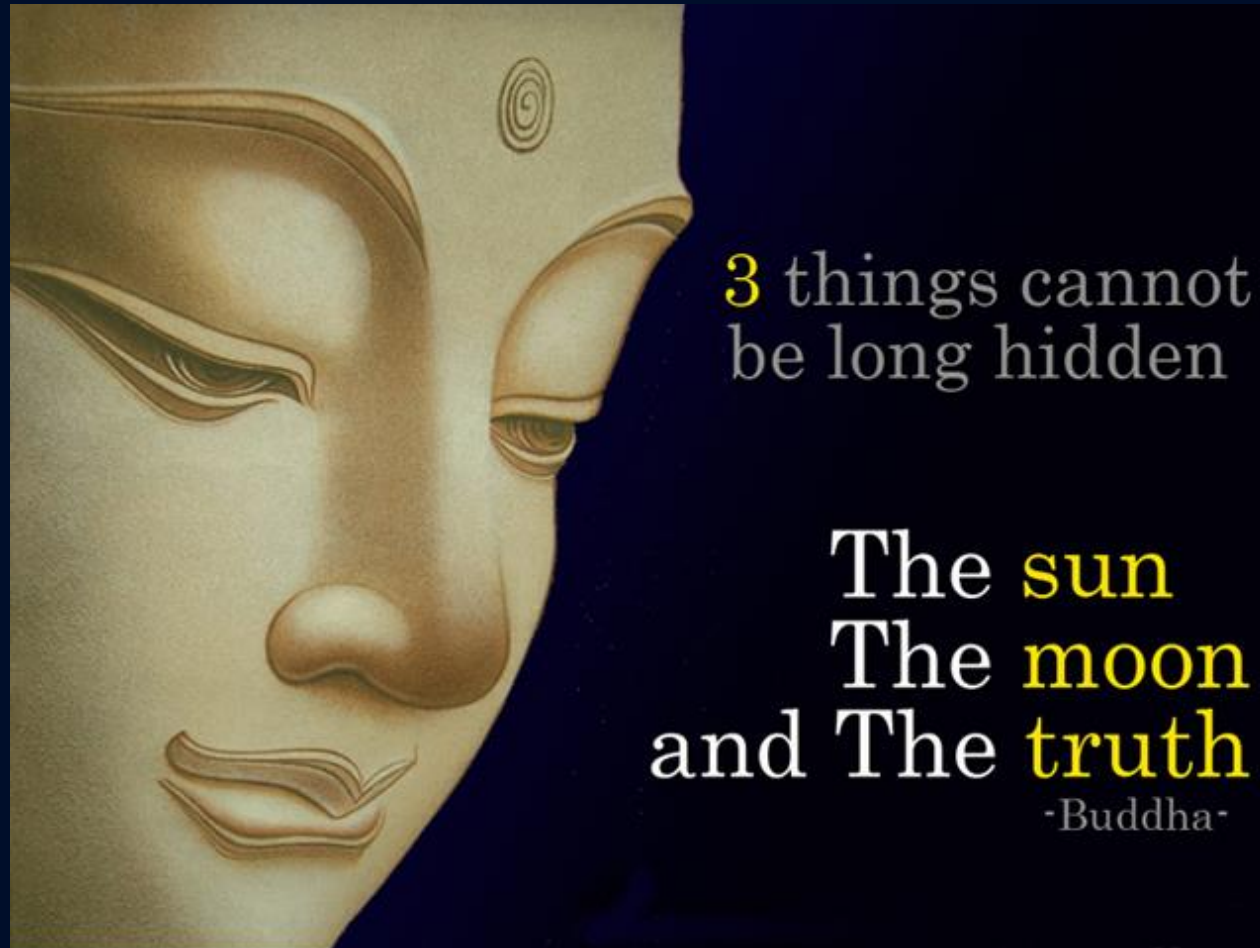
[Flaky Academic Journals Blog](#)

[List of scholarly publishing stings](#)

● How to Discourage Misconduct

- Generate awareness among young researchers
- Use of anti-plagiarism software
- No submission, no citation from predatory journals

Conclusion



THANK YOU