

# RETRACTION

Retraction Is Not The Failure Of Research

It Is The Triumph Of Research Ethics.

---

MAHBOOBEBH SABER  
ASSITANT PROFESSORE MEDICAL ETHICS

Publication is not the end of  
responsibility;  
it is the beginning of accountability.

---

# Purpose Of Retraction

Retraction is a **Mechanism** for *Correcting The Literature* and *Alerting Readers* to articles that have such seriously flawed or erroneous content or data that their findings and conclusions cannot be relied upon.

Unreliable content or data can result from Honest Error, Naive Mistakes, or research or publication Misconduct.

***The Purpose of retraction is To Correct The Literature and ensure its Integrity, Not to Punish The Authors***

# When To Retract An Article?

Editors can decide to **Retract A Publication** if they *no longer have confidence in the results and conclusions reported* in the paper.

*Reasons for this loss of confidence can be, but are not limited to:*

# Indications that the Findings Are Unreliable because of:

---

- Irregularities in the data or their analysis, or both;
- Fictitious or unavailable data;
- Image irregularities, such as alterations and duplications; or
- Major error (eg, miscalculation or experimental error).

# Any form of Misrepresentation

---

*for example:*

- With respect to accountability for the work;
- Deception; - fraud (eg, a paper mill);
- Identity theft or fictitious authorship; or
- Undisclosed involvement of Artificial Intelligence (AI).



The Authorship of the publication *Cannot Be Verified* or *There Are Serious Concerns* about **Accountability For The Research**.



The publication includes, as determined by the editor, an **Unacceptable Level Of Overlap With Previously Published Content**.



The publication contains material or data without **Authorisation** for use, *removal of which* Would Affect The Results And Conclusion Of The Article.

- 
- Copyright has been infringed or there is some other serious legal issue (eg, libel, privacy).
  - The publication reports Unethical Research.
  - The Peer Review or Publication Process was **COMPROMISED** (eg, Fake Reviewers, Paper Mill Use, or Citation Manipulation) and any additional review does not support publication.



The authors failed to disclose a **Major Competing Interest** or **Conflict of Interest** that, in the editor's view, could have unduly affected interpretations of the work or recommendations by editors and peer reviewers.



The publication is, or includes, a meta-analysis or systematic review, the conclusions of which rely on content that has subsequently been corrected or retracted.



Retraction is not a failure of science,  
It is evidence that ethics is working.

---



# When Retraction Is Not Appropriate

If an editor is ***Uncertain About The Reliability*** of a publication because of Insufficient Information, Delays, or Inability To Obtain Information, for example, Retraction Might Not Be Appropriate.

In this situation, and if warranted, an editor could consider publishing an **Expression Of Concern**.

# When Retraction Is Not Appropriate

---

The Authorship Is Disputed **BUT** there is *no reason to doubt the validity of the article's findings, data, or content* (but see section on “further considerations about disputed authorship”);

Correction would sufficiently deal with the errors or concerns raised, provided that the main results and conclusions are not unduly affected by the correction;

If an editor requires more information to be confident that a paper should be retracted, an **Expression Of Concern** should be issued.

Conflicts of interest have been reported to the journal after publication, but in the editor's view, these are not likely to have influenced the interpretations, recommendations, or the conclusions of the article.

# Is Retraction Appropriate for Unpaid Publication Fees?

---

Although non-payment of publication fees might be a reason **Not To Publish An Article**, it is unrelated to the content of the article.

Therefore, *An Article Should Not Be Retracted As A Consequence Of Failing To Pay Owed Publication Fees.*



# Other Forms Of Retraction

---

# Retraction with Replacement

---

This category of retractions is associated with articles that have Serious Errors that, when corrected, change the findings significantly but do not invalidate the underlying scholarship or methods of the study. Typically, *copies of the original article, with errors and corrections highlighted, are published as supplements to the retracted and replaced article.*

# Retraction with Removal

---

In rare cases it might be necessary to remove part or all of the content of an article.

- Violates Personal Privacy
- The subject of a Court Order
- Could have a Serious Health Risk to the general public or the environment.

*In these circumstances, the metadata (**title, authors, date of publication, issue or volume, journal name, and affiliations**) should be retained, and the **Retraction Notice should clearly state why the content of the article has been removed.***

# Republishing retracted content

---

An author might Republish Some Of The Work in a retracted article **IF** the content was found to be reliable.

To do so transparently, authors should notify the editor of the previous retraction when they submit the article to the journal. *It is usually appropriate to cite the retraction, indicating why the work was flawed and what has been omitted or corrected in the new article.* Permission to republish also needs to be agreed with the **COPYRIGHT** holder of the retracted work.

---

In some instances, Journal Editors might want to work with authors to **Concurrently Retract An Article** that was found to be fundamentally flawed while **Simultaneously Publishing A Linked And Corrected Version Of The Work**.

This strategy of retract and republish **Is Not Commonly Used**, but could provide an opportunity for editors and authors **To Transparently Correct The Literature** *when a simple correction cannot sufficiently deal with the flaws of the original article*

In this instance, the original article should not be removed or replaced, but should be retained and linked to. ***The two versions of the articles should be clearly distinguishable*** (eg, by having different digital object identifiers (DOIs)).

# Which publications should be retracted?

---

*Editors can decide to retract a publication if they no longer have confidence in the results and conclusions reported in the paper.*

**Retractions can be requested By the Author or Authors Of An Article, by An Institution, by Readers, or By Editors. Regardless of who makes a request, *Decisions on Retractions Are Made By Editors.***

Publications should be retracted (or an expression of concern published) even if all or some of the authors do not agree.

***Partial Retractions should be avoided** because the status of the article and which parts can be relied upon are difficult to determine.*



# CONTENT OF RETRACTION NOTICES

---

- ❖ Objective And Factual
- ❖ Linked To The Article
- ❖ Unmistakably Identified
- ❖ Include Authors And Title
- ❖ Who Is Retracting The Article
- ❖ Editorial Decision

# CONTENT OF RETRACTION NOTICES

---

- ❖ Relate to one article
- ❖ Published as soon as possible
- ❖ Freely available
- ❖ Category and type
- ❖ Who raised the concerns
- ❖ Expression of concern
- ❖ All versions
- ❖ Bibliographic databases

# Citing retracted articles

---

Retracted articles continue to be cited, *eg, when researchers are unaware that the article has been retracted*

This can be for several reasons:

- The article was downloaded before it
- The authors did not notice that it was retracted
- Retracted articles can, however, justifiably be cited, depending on the reason for the retraction, or for meta-research purposes.

***Authors should not cite retracted papers without acknowledging the retraction.***

Scientific integrity is measured not  
by avoiding errors, but by how  
transparently we correct them.

---

# Batch Retractions

Batch retractions might be needed when there is Evidence Of Large Scale Systematic Manipulation Of The Publication Process In One Or More Journals (eg, paper mills, see definitions).

Because they are related, The Group Of Articles is treated as one entity for the purposes of investigation and retraction.

**Batch Retraction** notices should clearly state that Systematic, Coordinated, And Widespread Manipulation Of The Publication Process has been identified and that the article is one of a group of articles affected by the Same Process Of Manipulation.

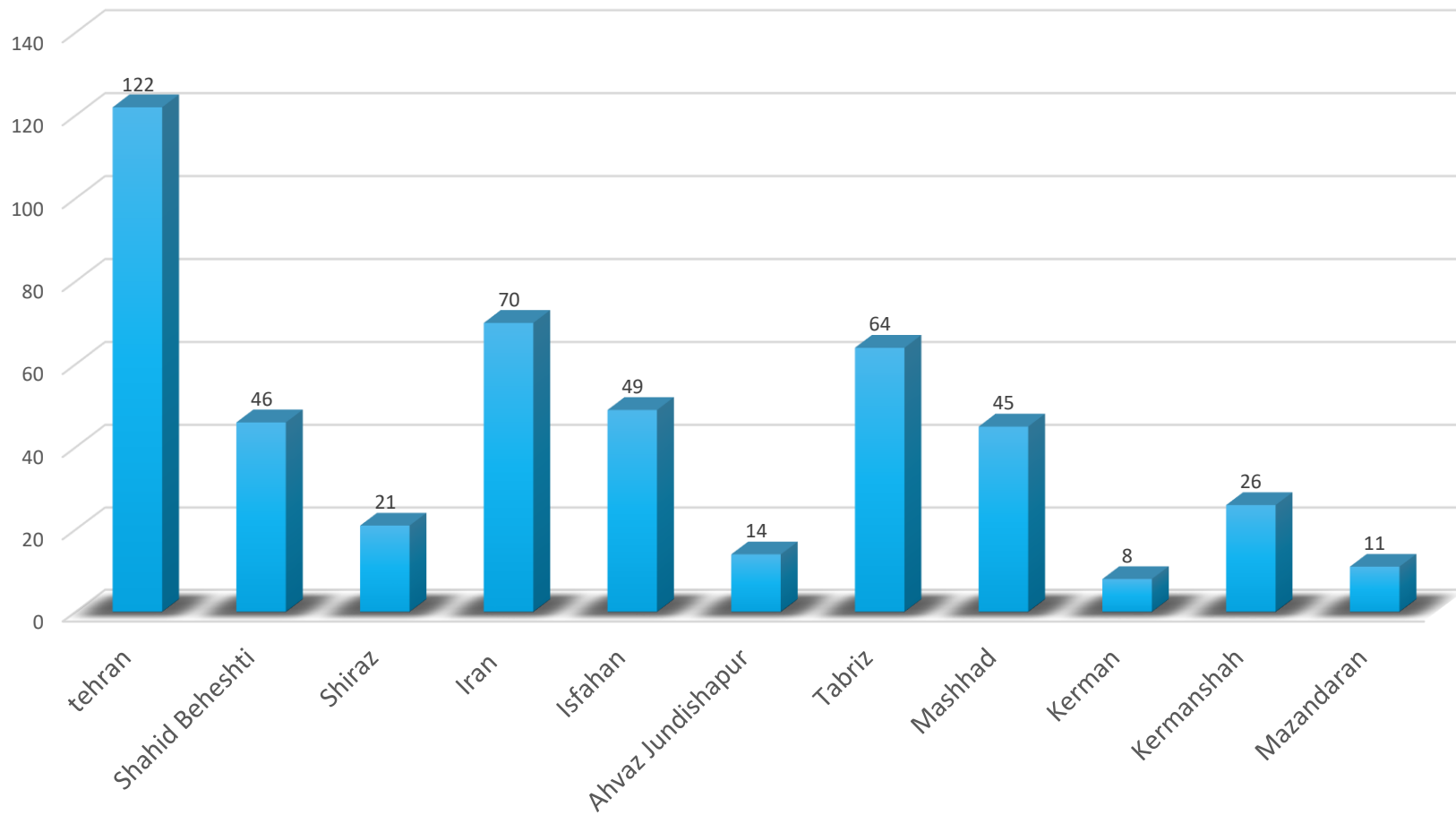


Peer Review is a filter;  
post-publication Review  
is Surveillance

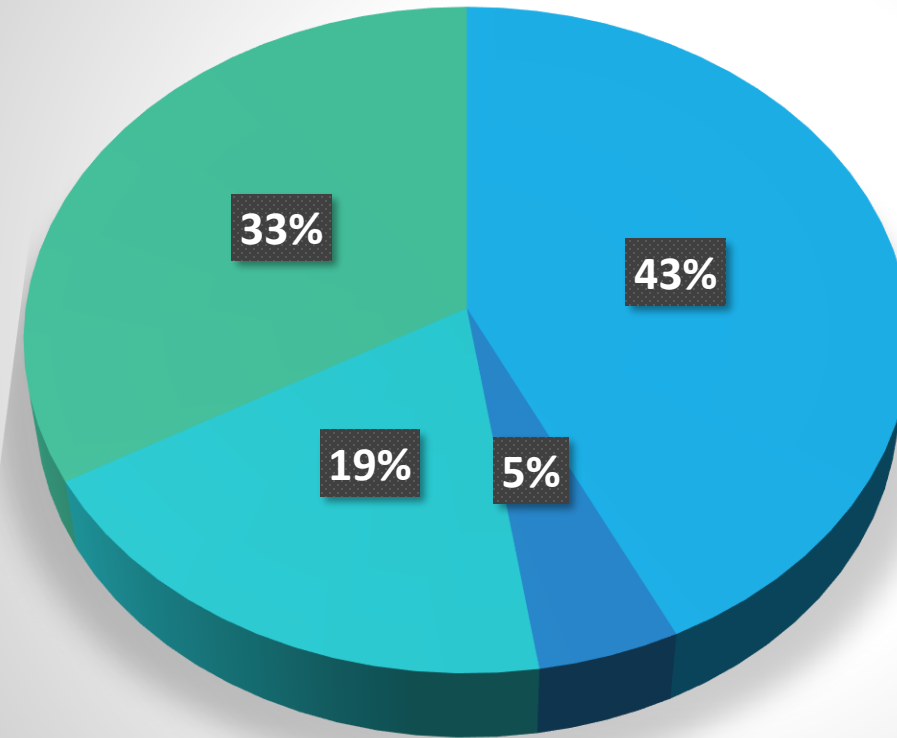
---

*Post-publication Review has Historically accompanied scholarly communication and has re-emerged in the **Digital Era** as a formal mechanism for continuous Evaluation, Correction, and Improvement of published research.*

## رترت مقالات دانشگاه های تپ یک



## علت رترکت مقالات



- Authorship issues
- Plagiarism
- Error in the text
- Issues about Data



[Login](#)

Version: 1.0.8.0

ISSN 2692-4651

### The Retraction Watch Database

**PLEASE NOTE:** The best way to make use of this database is to download it from [here](#), thanks to the [acquisition of the database](#) by Crossref.

We have also made changes to the search functionality to maintain reliability. For more information, read our [User Guide](#).

Please consider a U.S. tax-deductible donation to help us to continue to update and improve this important resource.

Author(s):  Country(s):  ▼

Title:

Article Type(s):  ▼

Journal:  ▼

Publisher:  ▼

Affiliation(s):

**Original Paper**

From Date:  To:

PubMedID:  mm/dd/yyyy

DOI:

**Retraction or Other Notices**

From Date:  To:

PubMedID:  mm/dd/yyyy

DOI:

[Clear Search](#)

**Search**

[Login](#)

### The Retraction Watch Database

**PLEASE NOTE:** The best way to make use of this database is to download it from [here](#), thanks to the [acquisition of the database](#) by Crossref.

We have also made changes to the search functionality to maintain reliability. For more information, read our [User Guide](#).

Please consider a U.S. tax-deductible donation to help us to continue to update and improve this important resource.

<p><b>Author(s):</b> <input type="text" value="Type to search"/></p> <p><b>Title:</b> <input type="text" value="Type to search"/></p> <p><b>Article Type(s):</b> <input type="text"/></p> <p><b>Journal:</b> <input type="text"/></p> <p><b>Publisher:</b> <input type="text"/></p> <p><b>Affiliation(s):</b> <input type="text"/></p>	<p><b>Country(s):</b> <input type="text" value="Iran"/></p>	<p><b>Original Paper</b></p> <p><b>From Date:</b> <input type="text"/> <b>To:</b> <input type="text"/></p> <p><b>PubMedID:</b> <input type="text"/> <small>mm/dd/yyyy</small></p> <p><b>DOI:</b> <input type="text"/></p>
		<p><b>Retraction or Other Notices</b></p> <p><b>From Date:</b> <input type="text"/> <b>To:</b> <input type="text"/></p> <p><b>PubMedID:</b> <input type="text"/> <small>mm/dd/yyyy</small></p> <p><b>DOI:</b> <input type="text"/></p>

[Clear Search](#)

**Search**

Your search returned a large number of results. Only 50 are displayed. Narrow your search to view all results

Retraction or Other Notices Title/Subject(s)/Journal — Publisher/Affiliation(s)/Retraction Watch Post URL(s)	Reason(s)	Author(s)	Original Paper Date/PubMedID/DOI	Retraction or O Date/PubMe
<b>50 Items Displayed Out of 2,035 Item(s) Found</b>				

[Login](#)

Version: 1.0.8.0

### The Retraction Watch Database

**PLEASE NOTE:** The best way to make use of this database is to download it from [here](#), thanks to the [acquisition of the database](#) by Crossref.

We have also made changes to the search functionality to maintain reliability. For more information, read our [User Guide](#).

Please consider a U.S. tax-deductible donation to help us to continue to update and improve this important resource.

#### Original Paper

Author(s):  Country(s):

Title:

Article Type(s):

Journal:

Publisher:

Affiliation(s):

From Date:	<input type="text"/>	To:	<input type="text"/>
PubMedID:	<input type="text"/>	mm/dd/yyyy	
DOI:	<input type="text"/>		

#### Retraction or Other Notices

From Date:	<input type="text" value="01/01/202"/>	To:	<input type="text" value="01/01/2026"/>
PubMedID:	<input type="text"/>	mm/dd/yyyy	
DOI:	<input type="text"/>		

[Clear Search](#)

**Search**

Retraction or Other Notices Title/Subject(s)/Journal — Publisher/Affiliation(s)/Retraction Watch Post URL(s)	Reason(s)	Author(s)	Original Paper Date/PubMedID/DOI	Retraction or Other Date/PubMedID
<b>22 Item(s) Found</b>				

The relationship between spiritual well-being and fear of cancer progression in Iranian cancer patients
(HSC) Medicine - Oncology; (HUM) Religion; (SOC) Psychology; <i>Frontiers in Psychology --- Frontiers</i>
Department of Psychiatric Nursing, School of Nursing and Midwifery, Tehran University of Medical Science, Tehran, Iran
Student Research Committee, Mazandaran University of Medical Sciences, Sari, Iran
Student Research Committee, Azerbaijan Medical University, Baku, Azerbaijan
Student Research Committee, Faculty of Medicine, Mazandaran University of Medical Sciences, Sari, Iran
School of Medicine, Islamic Azad University, Mashhad, Iran
Laboratory Science Research Center, Surgical Technology Department, Golestan University of Medical Sciences, Gorgan, Iran
Department of Anesthesiology, Faculty of Allied Medical Sciences, Kerman University of Medical Sciences, Kerman, Iran

Concerns/Issues about Authorship/Affiliation
Concerns/Issues about Data
Concerns/Issues about Human Subject Welfare
Investigation by Journal/Publisher
Investigation by Third Party
Original Data and/or Images not Provided and/or not Available
Unreliable Data
Unreliable Results and/or Conclusions

<a href="#">Amir Hossein Goudarzian</a>
<a href="#">Seyed Amirhossein Mazhari</a>
<a href="#">Pooria Sobhanian</a>
<a href="#">Bahar Farhadi</a>
<a href="#">Soheyla Kalantari</a>
<a href="#">Mozhgan Taebi</a>

01/21/2025
39911997
10.3389/fpsyg.2025.1495988

10/12/2025
41164728
10.3389/fpsyg.2025.1495988

# Retraction: The relationship between spiritual well-being and fear of cancer progression in Iranian cancer patients

Frontiers Editorial Office\*

A Retraction of the Original Research Article

The relationship between spiritual well-being and fear of cancer progression in Iranian cancer patients

by Goudarzian, A. H., Mazhari, S. A., Sobhanian, P., Farhadi, B., Kalantari, S., and Taebi, M. (2025).  
*Front. Psychol.* 16:1495988. doi: 10.3389/fpsyg.2025.1495988

Following publication, concerns were raised regarding the validity of the data in the article, the ethical approval for this study and the contributions of the authors of the article. An investigation was conducted in accordance with Frontiers' policies.

The authors failed to provide the raw data and a satisfactory explanation during the investigation.

Given the concerns about the study data, authorship, and ethical approval, the data and conclusions of the article have been deemed unreliable and the article has been retracted.

This retraction was approved by the Chief Executive Editor of Frontiers. The authors received a communication regarding the retraction and had a chance to respond. This communication has been recorded by the publisher.

Frontiers would like to thank the concerned reader who contacted us regarding the published article.

Melbourne, Victoria, Australia			
<b>Awareness raising and dealing with methanol poisoning based on effective strategies</b>	Concerns/Issues about Authorship/Affiliation	<a href="#">Ali Jangjou</a> <a href="#">Mostafa Moqadas</a>	04/16/2023 37072082 10.1016/j.envres.2023.115886
(BLS) Biochemistry; (BLS) Toxicology; (HSC) Medicine - Gastroenterology; <i>Environmental Research --- Elsevier</i>	Concerns/Issues about Article	<a href="#">Leila Mohsenian</a> <a href="#">Hesam Kamyab</a>	10/08/2025 00000000 10.1016/j.envres.2023
Department of Emergency Medicine, School of Medicine, Namazi Teaching Hospital, Shiraz University of Medical Sciences, Shiraz, Iran	Concerns/Issues about Referencing/Attributions	<a href="#">Shreeshivadasan Chelliapan</a> <a href="#">Sultan Alshehery</a>	
Emergency Medicine Research Center, Shiraz University of Medical Sciences, Shiraz, Iran	Concerns/Issues about Results and/or Conclusions	<a href="#">Mohammed Azam Ali</a> <a href="#">Farbod Dehbozorgi</a> <a href="#">Krishna Kumar Yadav</a>	
Faculty of Architecture and Urbanism, UTE University, Calle Rumipamba S/N and Bourgeois, Quito, Ecuador	Date of Article and/or Notice Unknown	<a href="#">Masoud Khorami</a> <a href="#">Najmeh Zarei Jelyani</a>	
Department of Biomaterials, Saveetha Dental College and Hospital, Saveetha Institute of Medical and Technical Sciences, Chennai, 600 077, India	Euphemisms for Plagiarism		
Process Systems Engineering Centre (PROSPECT), Faculty of Chemical and Energy Engineering, Faculty of Engineering, Universiti Teknologi Malaysia, Skudai, Johor, Malaysia	Investigation by Journal/Publisher		
Engineering Department, Razak Faculty of Technology and Informatics, Universiti Teknologi Malaysia, Jln Sultan Yahya Petra, 54100, Kuala Lumpur, Malaysia	Investigation by Third Party		
Department of Mechanical Engineering King Khalid University, zip code - 62217, Saudi Arabia	Objections by Author		
Department of Medical Nanotechnology, School of Advanced Medical Sciences and Technologies, Shiraz University of Medical Sciences, Shiraz, Iran	Plagiarism of Text		
Faculty of Science and Technology, Madhyanchal Professional University, Ratibad, Bhopal, 462044, India	Unreliable Results and/or Conclusions		
Environmental and Atmospheric Sciences Research Group, Scientific Research Center, Al-Ayen University, Thi-Qar, Nasiriyah, 64001, Iraq			
Department of Civil Engineering, Islamic Azad University, Central Tehran Branch, Tehran, Iran			
<b>The effect of vasopressin injection on ovarian reserve in patients who had cystectomy for ovarian endometrioma: a randomized controlled trial</b>	Author Unresponsive	<a href="#">Saeed Alborzi</a>	04/29/2022 35272940 10.1016/j.rbmo.2021.11.024
(HSC) Medicine - Obstetrics/Gynecology; (HSC) Medicine - Rehabilitation/Therapy; (HSC) Medicine - Surgery; <i>Reproductive Biomedicine Online --- Elsevier</i>	Investigation by Journal/Publisher	<a href="#">Tahereh Poordast</a> <a href="#">Elham Askary</a>	09/26/2025 41016745 10.1016/j.rbmo.2025.1
Department of Obstetrics and Gynecology, School of Medicine, Laparoscopy Research Center, Shiraz University of Medical Sciences, Shiraz, Iran	Lack of IRB/IACUC Approval and/or Compliance	<a href="#">Kefayat Chamanara</a> <a href="#">Ziba Zahiri Sorouri</a> <a href="#">Elnaz Hosseini Najar Kellaji</a>	
Department of Obstetrics and Gynecology, School of Medicine, Infertility Research Center, Shiraz University of Medical Sciences, Shiraz, Iran	Upgrade/Update of Prior Notice	<a href="#">Siavash Pirzadeh Nahooji</a>	
Department of Statistics, Roudehen Branch, Islamic Azad University Tehran, Iran			

## RETRACTION NOTICE

Retraction notice to 'The effect of vasopressin injection on ovarian reserve in patients who had cystectomy for ovarian endometrioma: a randomized controlled trial' *Reprod. Biomed. Online* 44 (2022) 651-658



**T**his article has been retracted: please see Elsevier Policy on Article Withdrawal (<https://www.elsevier.com/about/policies/article-withdrawal>).

This article has been retracted at the request of the Editor. Post-publication, the journal established that the authors did not have ethical approval for the research presented in this paper at the time the research began. Ethical approval was

obtained 1 year into the trial. This breaches the journal's policy on ethical approval. The authors did not respond to requests for supporting information. The editors have, therefore, decided to retract the article.

Retraction or Other Notices Title/Subject(s)/Journal --- Publisher/Affiliation(s)/Retraction Watch Post URL(s) <b>22 Item(s) Found</b>	Reason(s)	Author(s)	Original Paper Date/PubMedID/DOI	Retraction or Other Date/PubMedID
<p>Effects of N-acetylcysteine and metformin treatment on the stereopathological characteristics of uterus and ovary (BLS) Biology - Cellular; (BLS) Toxicology; (HSC) Medicine - Obstetrics/Gynecology; <i>European Journal of Translational Myology --- PAGEPress</i></p> <p>Department of Reproductive Biology, School of Advanced Medical Sciences and Technologies, Shiraz University of Medical Sciences, Shiraz, Iran, Islamic Republic of</p> <p>Histomorphometry and Stereology Research Center, Department of Anatomy, School of Medicine, Shiraz University of Medical Sciences, Shiraz, Iran, Islamic Republic of</p> <p>Maternal-Fetal Medicine Research Center, Department of Medical Genetics, School of Medicine, Shiraz University of Medical Sciences, Shiraz, Iran, Islamic Republic of</p> <p>Transplant Research Center, Shiraz University of Medical Sciences, Shiraz, Iran, Islamic Republic of</p> <p>School of Medicine, Shiraz University of Medical Sciences, Shiraz, Iran, Islamic Republic of</p>	<p>Concerns/Issues about Image</p> <p>Duplication of/in Image</p> <p>Error in Image</p> <p>Euphemisms for Duplication</p> <p>Investigation by Journal/Publisher</p> <p>Investigation by Third Party</p>	<p><a href="#">Bahare Rafiee</a></p> <p><a href="#">Saied Karbalay-Doust</a></p> <p><a href="#">Seyed Mohammad Bagher Tabei</a></p> <p><a href="#">Negar Azarpira</a></p> <p><a href="#">Sanaz Alaei</a></p> <p><a href="#">Parvin Lohrasbi</a></p> <p><a href="#">Soghra Bahmanpour</a></p>	<p>05/09/2022 35535444 10.4081/ejtm.2022.10409</p>	<p>10/28/2025 41149044 10.4081/ejtm.2025.14</p>
<p>Sesame oil and vitamin E co-administration may improve cardiometabolic risk factors in patients with metabolic syndrome: a randomized clinical trial (BLS) Biochemistry; (BLS) Toxicology; (HSC) Medicine - Cardiology; (HSC) Medicine - Endocrinology; <i>European Journal of Clinical Nutrition --- Springer - Nature Publishing Group</i></p> <p>Department of Clinical Nutrition, School of Nutrition and Food Sciences, Shiraz University of Medical Sciences, Shiraz, Iran</p> <p>Department of Food Hygiene and Quality Control, School and Research Center of Nutrition and Food Sciences, Shiraz University of Medical Sciences, Shiraz, Iran</p> <p>Department of Biology and Biological Engineering, Food and Nutrition Science, Chalmers University of Technology, SE-41296, Gothenburg, Sweden</p> <p>Adelaide Medical School, University of Adelaide, Adelaide, Australia</p> <p>Brighton and Sussex Medical School, Division of Medical Education, Falmer, Brighton, Sussex, UK</p> <p>Department of Epidemiology and Preventive Medicine, Monash University, Melbourne, Victoria, Australia</p>	<p>Concerns/Issues about Data</p> <p>Concerns/Issues about Referencing/Attributions</p> <p>Investigation by Journal/Publisher</p> <p>Unreliable Data</p>	<p><a href="#">Ali Farajbakhsh</a></p> <p><a href="#">Seyed Mohammad Mazloomi</a></p> <p><a href="#">Mohsen Mazidi</a></p> <p><a href="#">Peyman Rezaei</a></p> <p><a href="#">Marzieh Akbarzadeh</a></p> <p><a href="#">Saeedeh Poor Ahmad</a></p> <p><a href="#">G A Ferns</a></p> <p><a href="#">Richard Ofori-Asenso</a></p> <p><a href="#">Siavash Babajafari</a></p>	<p>05/14/2019 31089253 10.1038/s41430-019-0438-5</p>	<p>10/28/2025 41152598 10.1038/s41430-025-C</p>
<p>Awareness raising and dealing with methanol poisoning based on effective</p>	<p>Concerns/Issues about Authorship/Affiliation</p>	<p><a href="#">Ali Jangjou</a></p> <p><a href="#">Mostafa Moazadeh</a></p>	<p>04/16/2023 37072082</p>	<p>10/08/2025 00000000</p>

## RETRACTION NOTE



# Retraction Note: Sesame oil and vitamin E co-administration may improve cardiometabolic risk factors in patients with metabolic syndrome: a randomized clinical trial

Ali Farajbakhsh, Seyed Mohammad Mazloomi, Mohsen Mazidi, Peyman Rezaie, Marzieh Akbarzadeh, Saeedeh Poor Ahmad, G. A. Ferns, Richard Ofori-Asenso and Siavash Babajafari

© The Author(s), under exclusive licence to Springer Nature Limited 2025

*European Journal of Clinical Nutrition* (2025) 79:1246; <https://doi.org/10.1038/s41430-025-01673-3>

Retraction to: *European Journal of Clinical Nutrition* <https://doi.org/10.1038/s41430-019-0438-5>, published online 14 May 2019

The Editor-in-Chief has retracted this article. After publication, concerns were raised regarding unlikely values and inconsistencies in the data presented in Tables 2-4. Additionally, the study is presented as a randomised controlled trial (RCT), although no information is provided regarding the participant randomisation, and the study design does not appear to follow an RCT protocol.

Further checks by the publisher found irrelevant references and text inconsistencies in the article.

The Editor-in-Chief therefore no longer has confidence in the presented data.

The authors have not responded to any correspondence from the editor or publisher about this retraction.

Environmental Sciences, Graduate University of Advanced Technology, Kerman, Iran			
<b>Efficacy and Safety of a Persian Medicine Formula on Functional Dyspepsia Symptoms: A Randomized Double-Blind Active-Control Clinical Trial</b>	Concerns/Issues about Data	<a href="#">Maryam Azimi</a> <a href="#">Mohammad Javad Zahedi</a>	01/30/2023 36716715
(HSC) Medicine - Alternative; (HSC) Medicine - Gastroenterology; <i>Complementary Medicine Research --- Karger</i>	Investigation by Journal/Publisher	<a href="#">Mahboobeh Raeiszadeh</a> <a href="#">Aida Iraj</a>	10.1159/000529386
Gastroenterology and Hepatology Research Center, Kerman University of Medical Sciences, Kerman, Iran	Objections by Author	<a href="#">Holger Cramer</a>	
Herbal and Traditional Research Center, Kerman University of Medical Sciences, Kerman, Iran	Unreliable Data	<a href="#">Mehdi Pasalar</a>	
Stem Cells Technology Research Center, Shiraz University of Medical Sciences, Shiraz, Iran	Unreliable Results and/or Conclusions		
Central Research Laboratory, Shiraz University of Medical Sciences, Shiraz, Iran			
Institute for General Practice and Interprofessional Care, University Hospital Tübingen, Tübingen, Germany			
Bosch Health Campus, Stuttgart, Germany			
Research Center for Traditional Medicine and History of Medicine, Shiraz University of Medical Sciences, Shiraz, Iran			
<b>The modulatory potential of herbal antioxidants against oxidative stress and heavy metal pollution: plants against environmental oxidative stress</b>	Concerns/Issues about Referencing/Attributions	<a href="#">Navid Omidifar</a> <a href="#">Amir Nili-Ahmadabadi</a>	09/22/2021 34550520
(BLS) Biology - Cellular; (ENV) Environmental Sciences; (HSC) Medicine - Alternative; <i>Environmental Science and Pollution Research --- Springer</i>	Compromised Peer Review	<a href="#">Amin Nakhostin-Ansari</a> <a href="#">Kamran Bagheri Lankarani</a>	10.1007/s11356-021-16530-6
Clinical Education Research Center, and Department of Pathology, Medical School, Shiraz University of Medical Sciences, Shiraz, Iran	Investigation by Journal/Publisher	<a href="#">Mohsen Moghadami</a> <a href="#">Seyyed Mojtaba Mousavi</a>	
Department of Pharmacology and Toxicology, School of Pharmacy, Hamadan University of Medical Sciences, Hamadan, Iran	Objections by Author	<a href="#">Seyyed Alireza Hashemi</a> <a href="#">Ahmad Gholami</a>	
Sports Medicine Research Center, Neuroscience Institute, Tehran University of Medical Sciences, Tehran, Iran	Unreliable Results and/or Conclusions	<a href="#">Mansoureh Shokripour</a> <a href="#">Zahra Ebrahimi</a>	
Health Policy Research Center, Health Institute, Shiraz University of Medical Sciences, Shiraz, Iran			
Department of Chemical Engineering, National Taiwan University of Science and Technology, Taipei City, Taiwan			
Nanomaterials and Polymer Nanocomposites Laboratory, School of Engineering, University of British Columbia, Kelowna, BC, V1V 1V7, Canada			
Biotechnology Research Center, Shiraz University of Medical Sciences, Shiraz, Iran			
Department of Pathology, Medical School, Shiraz University of Medical Sciences, Shiraz, Iran			
Student Research Committee, Shiraz University of Medical Sciences, Shiraz, Iran			
			09/18/2024 39289267 10.1007/s11356-024-3

The article “Efficacy and Safety of a Persian Medicine Formula on Functional Dyspepsia Symptoms: A Randomized Double-Blind Active-Control Clinical Trial” [Complement Med Res 2023;30(3):238–47. DOI: 10.1159/000529386]

After publication, concerns were raised about some of the findings reported in this article including the statistically significant between-group difference in some baseline values [1]. The authors were asked to comment and provide the original data. Review of the individual participant data provided by the authors raised further concerns about the integrity of the data underlying the results. The authors were asked to comment on the concerns raised. The response was reviewed by the editorial team and it was concluded that the response did not satisfactorily resolve the concerns. As the concerns identified in the data undermined the reliability of the results of the study, the article is being retracted.



## OPEN ACCESS

APPROVED BY  
Gianni Ciofani,  
Italian Institute of Technology (IIT), Italy

\*CORRESPONDENCE  
Frontiers Editorial Office,  
✉ [research.integrity@frontiersin.org](mailto:research.integrity@frontiersin.org)

RECEIVED 29 August 2023  
ACCEPTED 29 August 2023  
PUBLISHED 04 September 2023

# Retraction: Liposomes: structure, biomedical applications, and stability parameters with emphasis on cholesterol

Frontiers Editorial Office\*

The journal retracts the 2021 article cited above.

Following publication, concerns were raised regarding the contributions of the authors of the article. Our investigation, conducted in accordance with Frontiers policies, confirmed a serious breach of our authorship policies and of publication ethics; the article is therefore retracted.

This retraction was approved by the Chief Editors of Frontiers in Bioengineering and Biotechnology and the Chief Executive Editor of Frontiers. The authors do not agree to this retraction.

## *Retraction*

# **Retracted: Bioinorganic Synthesis of Polyrhodanine Stabilized Fe<sub>3</sub>O<sub>4</sub>/Graphene Oxide in Microbial Supernatant Media for Anticancer and Antibacterial Applications**

### **Bioinorganic Chemistry and Applications**

This article has been retracted by Hindawi, as publisher, following an investigation undertaken by the publisher [1]. This investigation has uncovered evidence of systematic manipulation of the publication and peer-review process. We cannot, therefore, vouch for the reliability or integrity of this article.

The corresponding author, as the representative of all authors, has been given the opportunity to register their agreement or disagreement to this retraction. We have kept a record of any response received.

<p>The role of quercetin and vitamin C in Nrf2-dependent oxidative stress production in breast cancer cells</p> <p>(BLS) Biology - Cancer; (BLS) Biology - Cellular; (BLS) Genetics; (HSC) Medicine - Obstetrics/Gynecology; (HSC) Medicine - Pathology; (HSC) Medicine - Pharmacology;</p> <p><i>Oncology Letters --- Spandidos</i></p> <p>Department of Biochemistry, Recombinant Protein Laboratory, School of Medicine, Shiraz University of Medical Sciences, Shiraz 71348-14336, Iran</p> <p>Department of Biochemistry, School of Medicine, Shiraz University of Medical Sciences, Shiraz 71348-14336, Iran</p> <p>Drug Applied Research Center, Tabriz University of Medical Sciences, Tabriz 51656-65811, Iran</p>	<p>Author Unresponsive</p> <p>Concerns/Issues about Data</p> <p>Duplication of Data</p> <p>Euphemisms for Duplication</p> <p>Investigation by Journal/Publisher</p> <p>Investigation by Third Party</p> <p>Unreliable Data</p>	<p><a href="#">Zohreh Mostafavi-Pour</a></p> <p><a href="#">Fatemeh Ramezani</a></p> <p><a href="#">Fatemeh Keshavarzi</a></p> <p><a href="#">Nasser Samadi</a></p>	<p>01/18/2017</p> <p>28454351</p> <p>10.3892/o1.2017.5619</p>	<p>06/02/2025</p> <p>40503033</p> <p>10.3892/o1.2025.1512</p>
<p>Novel 1-butyl-3-methylimidazolium bromide impregnated chitosan hydrogel beads nanostructure as an efficient nanobio-adsorbent for cationic dye removal: Kinetic study</p> <p>(PHY) Engineering - Chemical; (PHY) Materials Science; (PHY) Nanotechnology;</p> <p><i>Environmental Research --- Elsevier</i></p> <p>School of Resources and Environment, University of Electronic Science and Technology of China, P.O. Box 611731, Xiyuan Ave, Chengdu, China</p> <p>College of Materials Science and Engineering, Nanjing Forestry University, 159 Longpan Road, Nanjing, 210037, China</p> <p>Department of Chemical Engineering, Quchan University of Technology, Quchan, Iran</p> <p>Department of Chemical Sciences, University of Johannesburg, P.O. Box 17011, Doornfontein Campus, Johannesburg, 2028, South Africa</p> <p>Laboratory of Basic Sciences, Mohammad Rasul Allah Research Tower, Shiraz University of Medical Sciences, Shiraz, Iran</p> <p>Department of Chemistry, Sari Branch, Islamic Azad University, Sari, Iran</p> <p>Department of Physics, Shahid Beheshti University, G.C., Evin, Tehran, 19839, Iran</p> <p>Institute of Research and Development, Duy Tan University, Da Nang, 550000, Vietnam</p> <p>Faculty of Environment and Chemical Engineering, Duy Tan University, Da Nang, 550000, Vietnam</p> <p>School of Civil Engineering and Surveying, Faculty of Health, Engineering and Sciences, University of Southern Queensland, West Street, Toowoomba, 4350, QLD, Australia</p> <p>Sen Research Group, Biochemistry Department, Faculty of Arts and Science, Dumlupınar University, Evliya Celebi Campus, Kütahya, 43100, Turkey</p>	<p>Concerns/Issues about Authorship/Affiliation</p> <p>Concerns/Issues about Data</p> <p>Objections by Author</p> <p>Unreliable Data</p> <p>Unreliable Image</p> <p>Unreliable Results and/or Conclusions</p> <p>Upgrade/Update of Prior Notice</p>	<p><a href="#">Hassan Karimi-Maleh</a></p> <p><a href="#">Sara Ranjbari</a></p> <p><a href="#">Bahareh Tanhaei</a></p> <p><a href="#">Ali Ayati</a></p> <p><a href="#">Yasin Orooji</a></p> <p><a href="#">Marzieh Alizadeh</a></p> <p><a href="#">Fatemeh Karimi</a></p> <p><a href="#">Sadegh Salmanpour</a></p> <p><a href="#">Jalal Rouhi</a></p> <p><a href="#">Mika Sillanpää</a></p> <p><a href="#">Fatih Sen</a></p>	<p>01/28/2021</p> <p>33515581</p> <p>10.1016/j.envres.2021.110809</p>	<p>05/27/2025</p> <p>40436669</p> <p>10.1016/j.envres.2025</p>

