





## JOURNAL OF ARCHAEOLOGY AND ARCHAEOMETRY (JAA)

Copyright © 2024 Islamic Azad University of Varamin-Pishva

### License Holder & Publisher:

Islamic Azad University of Varamin-Pishva

**Director-in-Charge:** Dr. Bita Sodaei

**Editor-in-Chief:** Dr. Reza Rezalou

**Managing Editor:** Dr. Rouhollah Yousefi Zoshk

**Page Designer:** Somayeh Astani

Saeed Baghizadeh

**Graphist:** Navid Shamiani

### Editorial Advisory Board (Alphabetic Order):

*Dr. Fahimeh Baghban, Islamic Azad University of Varamin-Pishva, Iran*

*Dr. Seyed Amin Emami, Isfahan University, Iran*

*Dr. Nazanin Farhadyar, Islamic Azad University of Varamin-Pishva, Iran*

*Dr. Joerg Fassbinder, Ludwig-Maximilians-University, Germany*

*Dr. Hassan Fazeli Nashli, Tehran University, Iran*

*Dr. Sobeila Hadipor Moradi, University of Turin, Italy*

*Dr. Sandra Heinsch-Kuntner, University of Innsbruck, Austria*

*Dr. Barbara Kaim, University of Warsaw, Poland*

*Dr. Benjamin Mutin, University of Harvard, USA*

*Dr. Alireza Nobari Hojabri, Tarbiat Modares University, Iran*

*Dr. Javad Neyestani, Tarbiat Modares University, Iran*

*Dr. Marek Jan Olbrycht, University of Rzeszów, Poland*

*Dr. Kyle Olson, University of Pennsylvania, USA*

*Dr. Steve Renette, University of British Columbia, USA*

*Dr. Eberhard Sauer, University of Edinburgh, Scotland*

*Dr. Reza Shabani, Shahid Beheshti University, Iran*

*Dr. Arkadiusz Soltysiak, University of Warsaw, Poland*

*Dr. Massimo Vidale, University of Padova and ISMEO, Italy*

*Dr. Rouhollah Yousefi Zoshk, Islamic Azad University of Varamin-Pishva, Iran*

ISSN PRINT: 2980-9630

Website of JAA: <https://jaa.varamin.iau.ir>

Email of JAA: [jaa@iauvaramin.ac.ir](mailto:jaa@iauvaramin.ac.ir)

### Figure of Front Cover

Persepolis, Iran, Apadana

(Photo Courtesy of the Oriental Institute, University of Chicago)

### Figure of Back Cover

Persepolis, Iran, Treasury

(Photo Courtesy of the Oriental Institute, University of Chicago)

The **Journal of Archaeology and Archaeometry**, the journal of the Department of Archaeology, Islamic Azad University of Varamin-Pishva, Tehran, Iran, was founded in 2021. The **JAA** is published **Quarterly** in electronic formats and is available through subscription access options. **THE JOURNAL OF ARCHAEOLOGY AND ARCHAEOMETRY** deals with the entire multicultural world of Western Asian archaeology and in particular Iran. The journal publishes material that deals with all aspects of **Archaeology** and **Archaeometry**. We also encourage contributions dealing with inter-disciplinary approaches to Archaeology.

**JAA** welcomes manuscripts from any period of Western Asia prehistory and history, from the Paleolithic to the Early Modern. The geographical focus of **JAA** is the ancient Iran and Mesopotamia and the lands or regions that border from Southern Turkmenistan, Afghanistan in the East, to Syria, and regions by the Mediterranean Sea in the West.

## ***Journal of Archaeology and Archaeometry***

### ***Guidelines for Authors***

The type of articles accepted at JAA falls within the following categories:

#### **Research Article:**

A presentation of fully documented and interpreted significant findings from original research in fields of Western Asia and particularly Iran (maximum 30 pages).

#### **Research report:**

A presentation of preliminary but significant findings from original research in progress for which full documentation is not yet available; or brief studies (maximum 15 pages).

#### **Excavation Report:**

A report on the archaeological excavation of archaeological sites that may also contain archaeometric issues (maximum 30 pages).

#### **Application:**

A report on the major findings, breakthrough results, and/or major advances of established methods and interpretations of scientific data (maximum 15 pages).

#### **Discussion:**

Opinion articles that focus on a particular published paper or study. It allows the authors to interpret, analyze, and evaluate a theory or hypothesis backed by evidence or new material to establish their points (max of 10 pages).

#### **Authorship of the Paper:**

should be limited to those who have made a significant contribution to the conception, design, execution, or interpretation of the reported study. All those who have made significant contributions should be listed as co-authors. Where others have participated in certain substantive aspects of the research project, they should be acknowledged or listed as contributors.

The corresponding author should ensure that all appropriate co-authors and no inappropriate co-authors are included on the paper and that all co-authors have seen and approved the final version of the paper and have agreed to its submission for publication. For research articles with several authors, a short paragraph specifying their contributions must be provided.

#### **Reporting Standards:**

Authors of reports of original research should present an accurate account of the work performed as well as an objective discussion of its significance. Underlying data should be represented accurately in the paper. A paper should contain sufficient detail and references to permit others to replicate the work. Fraudulent or knowingly inaccurate statements constitute unethical behavior and are unacceptable.

### ***Data Access and Retention:***

Authors are asked to provide the raw data in connection with a paper for editorial review, should be prepared to provide public access to such data, if practicable, and should, in any event, be prepared to retain such data for a reasonable time after publication.

### ***Originality and Plagiarism:***

The authors should ensure that they have written entirely original works, and if the authors have used the work and/or words of others, that this has been appropriately cited or quoted.

### ***Multiple, Redundant or Concurrent Publication:***

An author should not, in general, publish manuscripts describing essentially the same research in more than one journal or primary publication. Submitting the same manuscript to more than one journal concurrently constitutes unethical publishing behavior and is unacceptable.

### ***Legal and Ethical criteria:***

If the work involves cultural assets the author must identify these in the manuscript and state official permit granted and/or disclose illicit trafficking objects according to UNESCO standards.

### ***Manuscript Submission and Review:***

All manuscripts should be uploaded directly to the Website of Journal and, if their scope and quality seem appropriate, they are forwarded to at least two referees for peer review. Papers are normally published in order of acceptance in final form, without preference for particular Western Asia regions, chronological periods, or topics. The review procedure usually takes at least 2 months.

Submission of an article can ONLY be made via electronic procedure following the Template format. It is recommended the suggestion of up to four referees (names, affiliations, emails) related to the content of their paper. Suggested reviewers should NOT be at the same institution, and should have some expertise in your content area/method. Authors should NOT have substantially worked with the reviewer in the past few years, and in particular, this should not be someone who has already reviewed or otherwise contributed to the manuscript.

### ***Manuscript Format:***

All manuscripts should be carefully edited to eliminate redundancy. All abbreviated terms should be explained on the first occurrence. Manuscripts should begin with an **Abstract of up to 250 words** that contains concise factual information on objectives, Materials and Methods, Results, and Conclusions. Opinions, vague terms, and jargon should be avoided. **Keywords** should follow a maximum of **6 Keywords**. Avoid words that are mentioned in the title. The body of the text should include **Introduction, Materials and Methods, Results, Discussion, and Conclusion** sections, followed by **Acknowledgements** (if necessary) and **References**.

### ***References:***

Proper acknowledgment of the work of others must always be given, especially based on the **Harvard Citation Model**. Authors should cite publications that have been influential in determining the nature of the reported work. A list of the cited references in alphabetical order started by the surname of the first author must be included at the end of the manuscript, and each

reference includes the names of all contributing authors.

In the text, referring is following as the author's name (without initials), the year of publication, and the page/pages:

1. Darabi, 2015: no. of page/pages;
2. Majidzadeh & Pittman, 2008: no. of page/pages;
3. Pollock et al., 2014: no. of page/pages.

If the same author(s) is cited in more than one publication in the same year, lower case letters (a, b, c...) are appended to the year in the first and succeeding citations. Footnotes at the end of each page and/or at the reference list are not allowed, but only at the end of the paper before References. References should be in English, French, German, and Spanish or translated from any other language into English.

References should be given as in the following examples, for books, articles in journals, papers in contributed volume or proceedings of conferences and reports:

### 1. Referring to a book:

*One Author:*

Darabi, H.

2015 *An Introduction to the Neolithic Revolution of the Central Zagros, Iran*, with a preface by Peder Mortensen, BAR International Series, London.

*Two Authors:*

De Blois, L. & R. J. Van Der Spek

2019 *An Introduction to the Ancient World*, Third Edition, Routledge Taylor & Francis Group, London & New York.

*Three or More Authors:*

Pollock, S., et al.

2019 *Looking Closely, Excavations at Monjukli Depe, Turkmenistan, 2010-2014*, Volume 1, Sidestone Press, Leiden.

### 2. Referring to a Journal Paper:

*One Author:*

Maziar, S.

2021 "Geographical proximity and material culture; the interplay between Syunik and the southern part of the Araxes river basin in the 6th to the 3rd millennium BC", *Quaternary International* 579, Elsevier, pp. 42-58.

*Two Authors:*

Madjidzadeh, Y. & H. Pittmann

2008 "Excavations at Konar Sandal in the region of Jiroft in the Halil Basin: first preliminary report (2002–2008)", *Iran* 46, BISP, pp. 69–103.

*Three or More Authors:*

Eskandari, N., et al.

2021 “The Bronze Age Center of Shahdad, South-East Iran: “Hollow” vs. Nucleated Early Urban Processes”, *East and West* 61, no. 1, pp. 31-47.

**3. Referring to a Book Chapter:**

Hopper, K.

2017 “Connectivity on a Sasanian Frontier: Route Systems in the Gorgan Plain of North-East Iran”, in E. W. Sauer (ed.), *Sasanian Persia: Between Rome and the Steppes of Eurasia*, Edinburgh University Press, pp. 126-150.

**4. Referring to an unpublished Dissertation:**

Frame, L.

2004 *Investigations at Tal-I Iblis: Evidence for Copper Smelting during Chalcolithic Period*, M.S. Dissertation, Massachusetts Institute of Technology, (Unpublished).

**Tables, Photos, and Figures:**

*Tabular* or graphical data should be adequately discussed **in the text**. In particular, similar data should not be presented in both figures and tables.

*Tables* should be concise and contain only the information essential to the text. Columns containing few entries or full columns of data that vary only slightly should be avoided. Judicious use of table footnotes can greatly simplify the presentation.

*Graphs* should be used to support correlations or illustrate points made in the text, not merely to present data. Legends identifying curves should be contained within the graphs, not in the captions. Graphs and line drawings should be drawn carefully and must be large enough for clarity. All graphs and figures should be of sufficient quality (at least **300 dpi**). Photographs should be limited to those essential to an adequate understanding of the text and should be of high-resolution colored or black-and-white.

*Figures, Photos, and Tables* should be incorporated into the main body of the text of the Template.

**Units:**

All data in the text, figures, and tables must be reported in metric notation and International System of Units (SI) nomenclature. Conversion of any non-metric data will be requested from the author before publication.

**Equations:**

Equations and formulas should be numbered separately and sequentially throughout the text. All variables and special symbols, such as Greek letters, must be identified and explained, including units when appropriate.

**Nomenclature:**

It should conform to what is most frequently used in the archaeological sciences field concerned.

***Page Proofs:***

It will be sent to the corresponding for checking. Corrections to the proofs must be restricted to printer errors. Any substantial alterations other than these may be charged to the author. Authors are particularly requested to return their corrected proofs as quickly as possible to facilitate rapid publication. Please note that authors are urged to check their proofs carefully before returning. The corresponding author will receive a PDF file of his/her paper.

***Publication Costs:*** There is no Article Processing Charge

***Copyright/ Open Access:***

The journal publishes original papers which should comprise previously unpublished data, interpretation, or syntheses concerning all aspects of science and technology for Western Asia archaeology and archaeometry. The editors will not consider manuscripts that are under consideration by other publishers. It is assumed that once you have submitted an article to this journal, it will not be sent to other publishers until a decision about inclusion has been made. By submitting your article to JAA, you agree that any articles published by JAA will be Open Access articles. The copyright in the material contained on the JAA site belongs to JAA Islamic Azad University of Varamin-pishva. By submitting articles for publication or other content for posting on the JAA site, you agree to:

1. comply with these Terms of Use.
2. have the Creative Commons Attribution (CC BY) license applied to the material you submit.
3. provide any information required by JAA during or as part of the submission process.
4. You are responsible for all content that you submit for posting or publication on the JAA site.

***Conflict of Interest:*** The authors declare that they agreed to participate in the present paper and there is no competing interests.



## Contents

### Articles

- 1. Recognizing the Sassanid Era of Varamin, Archaeological Evidence and Historical Geography**  
*Narges Zahedi, Morteza Hessari, Mosayeb Amiri & Hassan Derakhshi* .....1-17
- 2. The Interpretation of Dumuzid's Dream from Perspective of Jung's Psychology**  
*Mandana Mahmoodi, Bitasodaei & Rohollah Yosefi Zoshk*..... 19-28
- 3. Wave Scroll Motif: Trace of Ancient Greek Art in Oriental Rural and Nomadic Carpets**  
*Sara Moslehi, Bahman Firouzmandi-Shirehjin & Arman Shishegar*.....29-41
- 4. The Formation and Evolution of the Anatolian Mosques Architecture**  
*Taymour Akbari*..... 43-54
- 5. Archaisms in Iranian Nationalism During the Period of Reza Shah Pahlavi**  
*Fatimah Sadat Jamshidi, Ali Bighdeli & Amirteymour Rafiei*..... 55-67
- 6. Review and Analysis of Iran's Scent-Bottles in Different Historical Periods**  
*Hamidreza Malahi, Haydeh Khamseh & Samad Nejad Ebrahimi*..... 67-76



