

## 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 Deisgner: 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. Soheila 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 Rzaszow, 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 Soltvsiak, 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: <a href="https://jaa.varamin.iau.ir">https://jaa.varamin.iau.ir</a>

Email of JAA: **jaa@iauvaramin.ac.ir** 

#### Figure of Front Cover

Persepolis, Iran, Apadana

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

#### Figure of Back Cover

Persepolis, Iran, Treasury

(Photo Courtesy of the Oriental Instititue, 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 **Archaeome**try. 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.

"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 Anuthors:

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. Study and Analysis of the Inscriptions Arrays of Imam Mosque in Tenra	ın
Soheila Abipour, Nader Karimian Sardashti & Sina Foroozesh	1-14
2. The Role of the Ambassadors of Iran and the Netherlands in the Formatency of Political-Economic Relations between the Two Countries in the S	
BabakGhods,AbasgholiGhafarFard&AliBigdeli	15-27
3. Archaeometric Study of Pottery Finds Obtained from the Surface Surve (Southeast of Mashhad)	ey of Naderi Tepe
Seyed Khalil Habibi, Ali Eshghi & Morteza Hesari	29-47
4. Tepe Hissar in the Fourth Millennium BCE	
Neda Moradi, Hasan Fazeli Nashli & Rouhollah Yousefi Zoshk	49-66
5. Investigating and Analyzing the Indicators Affecting Smart Housing in	Baghdad city
Zuhir Dahham Naser, Seyed Mohammadreza Miralaie & Mahmood Teimory	67-77
6. Presenting the Design Model Based on the Knowledge of the Compone Sense of Belonging to Place in the Contemporary Houses of Tehran (Narm	,,
Azadeh Fatahi, Siamak Panahi, Mehrnoush Ghosi & Minoo Laffafchi	79-95

University, Varamin Branch, Iran. Open Access. This is an Open Access article distributed under the terms of the Creative Commons Attribution-NonCommercial-NoDerivatives License (http://creativecommons.org/licenses/by-nc/1.0/), which permits non-commercial re-use, distribution, and reproduction in any medium, provided the original work is properly cited, and is not altered, transformed, or built upon in any way. The ethical policy of the Journal of Archaeology and Archaeometry is based on the Committee on Publication Ethics (COPE) guidelines and complies with International Committee of Journal of Archaeology and Archaeometry Editorial Board codes of conduct. Readers, authors, reviewers, and editors should follow these ethical policies once working with the Journal of Archaeology and Archaeometry. The ethical policy of the Journal of Archaeology and Archaeometry is liable to determine which of the typical research papers or articles submitted to the journal should be published in the concerned issue. For information on this matter in publishing and ethical guidelines please visit www.publicationethics.org.

Journal of Archaeology and Archaeometry 2024 (No. 11)