

# Advances in Historical Studies



ISSN: 2327-0438



<https://www.scirp.org/journal/ahs>

# Journal Editorial Board

ISSN: 2327-0438 (Print), 2327-0446 (Online)

<https://www.scirp.org/journal/ahs>

---

## Editor-in-Chief

Prof. Raffaele Pisano  
Lille University, France

## Associate Editor

Dr. Paolo Bussotti  
Udine University, Italy

## Editorial Board

Prof. <u>Mauro Francaviglia</u> <sup>+</sup>	University of Torino, Italy
Prof. Boris Abersek	University of Maribor, Slovenia
Dr. Onek C. Adyanga	Millersville University, USA
Dr. Abdelkader Anakkari	Lille University, France
Prof. Evelyne Barbin	University of Nantes, France
Dr. Avner Ben-Zaken	Ono College, Israel
Prof. Christopher Bissell	Open University, UK
Dr. Luca Bussotti	The Centro de Estudos Africanos, Portugal
Prof. Danilo Capecchi	University of Roma La Sapienza, Italy
Prof. Marco Ceccarelli	University of Rome Tor Vergata, Italy
Prof. Nijole Cibulskaitė	Lithuanian University of Educational Sciences, Lithuania
Prof. Jean G. Dhombres	Centre Alexandre Koyré-CNRS, France
Dr. Salvatore Esposito	University of Napoli Federico II, Italy
Prof. Helena Fracchia	University of Alberta, Canada
Prof. Romano Gatto	University of Basilicata, Italy
Prof. Enrico Giannetto	University of Bergamo, Italy
Dr. Guido Giannuzzi	Teatro Comunale of Bologna, Italy
Prof. Eberhard Knobloch	Berlin University of Technology, Germany
Prof. Michal Kokowski	Polish Academy of Sciences, Poland
Prof. Vincentas Lamanauskas	Siauliai University, Lithuania
Prof. Giuseppe Longo	Ecole Normale Supérieure, France
Prof. Roberto Mantovani	University of Urbino, Italy
Prof. Flavia Marcacci	Pontifical Lateran University, Italy
Prof. Ploj Virtic Mateja	University of Maribor, Slovenia
Prof. Massimo Mazzoni	University of Florence, Italy
Dr. Moira Anne Müller	Internationale School voor Wijsbegeerte (ISVW), Netherlands
Prof. Peeter Mürsepp	University of Technology Tallinn, Estonia
Prof. Agamenon Rodrigues Oliveira	Polytechnic School of Rio de Janeiro, Brazil
Dr. Birute Raieliene	Lithuanian Academy of Sciences, Lithuania
Dr. Maria Rentetzi	National Technical University of Athens, Greece
Prof. Constantine D. Skordoulis	National & Kapodistrian University of Athens, Greece
Prof. Marco Taddia	University of Bologna, Italy
Prof. Borislav Toshev	University of Sofia, Bulgaria
Prof. Jan E. A. Vandersmissen	University of Liège, Belgium
Prof. Thomas Whigham	University of Georgia, USA

# Table of Contents

**Volume 12    Number 4**

**December 2023**

## **History of Ultralow Temperatures at Dubna (JINR)**

Yu. A. Usov ..... 115

## **A Study on the Settlement of Türk Surrender Tribes in the Fourth Year of Emperor Taizong's Zhenguan Reign—Taking the Northern Part of Hedong Dao as an Example**

K. X. Zhang, Y. H. Kang ..... 130

## **Temples and Sanctuaries of the Cucuteni-Trypillian Culture from the Territory of Ukraine and Moldova Based on the Results of the Latest Geomagnetic Researches**

O. Zavalii ..... 138

## **The Phenomenon of Tides in Byzantine Science**

G. Katsiampoura, G. Spiliopoulos ..... 163

## **Italian Creativity in Mechanism Design**

M. Ceccarelli ..... 179

## Advances in Historical Studies (AHS)

### Journal Information

#### SUBSCRIPTIONS

The *Advances in Historical Studies* (Online at Scientific Research Publishing, <https://www.scirp.org/>) is published quarterly by Scientific Research Publishing, Inc., USA.

##### **Subscription rates:**

Print: \$59 per issue.

To subscribe, please contact Journals Subscriptions Department, E-mail: [sub@scirp.org](mailto:sub@scirp.org)

#### SERVICES

##### **Advertisements**

Advertisement Sales Department, E-mail: [service@scirp.org](mailto:service@scirp.org)

##### **Reprints (minimum quantity 100 copies)**

Reprints Co-ordinator, Scientific Research Publishing, Inc., USA.

E-mail: [sub@scirp.org](mailto:sub@scirp.org)

#### COPYRIGHT

##### **Copyright and reuse rights for the front matter of the journal:**

Copyright © 2023 by Scientific Research Publishing Inc.

This work is licensed under the Creative Commons Attribution International License (CC BY).

<http://creativecommons.org/licenses/by/4.0/>

##### **Copyright for individual papers of the journal:**

Copyright © 2023 by author(s) and Scientific Research Publishing Inc.

##### **Reuse rights for individual papers:**

Note: At SCIRP authors can choose between CC BY and CC BY-NC. Please consult each paper for its reuse rights.

##### **Disclaimer of liability**

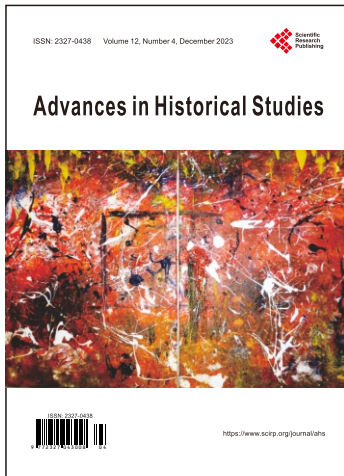
Statements and opinions expressed in the articles and communications are those of the individual contributors and not the statements and opinion of Scientific Research Publishing, Inc. We assume no responsibility or liability for any damage or injury to persons or property arising out of the use of any materials, instructions, methods or ideas contained herein. We expressly disclaim any implied warranties of merchantability or fitness for a particular purpose. If expert assistance is required, the services of a competent professional person should be sought.

#### PRODUCTION INFORMATION

For manuscripts that have been accepted for publication, please contact:

E-mail: [ahs@scirp.org](mailto:ahs@scirp.org)

# Call for Papers



## Advances in Historical Studies

ISSN: 2327-0438 (Print), 2327-0446 (Online)  
<https://www.scirp.org/journal/ahs>

**Advances in Historical Studies (AHS)** is an international journal dedicated to the latest advancement in the study of history. The goal of this journal is to provide a platform for scientists and academicians all over the world to promote, share, and discuss various new issues and developments in different areas of historical studies.

.....

All manuscripts must be prepared in English, and are subject to a rigorous and fair peer-review process. Accepted papers will immediately appear online followed by printed hard copy. The journal publishes original paper covering a wide range of fields but not limited to the following.

### Historical

History of science, Historical epistemology of science, History and epistemology of science, History and philosophy of science, Historiography, History of scientific ideas/thought, General history of science, Logic and foundations of science, Comparative history, Logics (classical/non-classical)

### Correlated

Anthropology, Archaeology/Art, Architecture, Archives, Computer science/Robotic, Drawing, Economy, Education/Pedagogy, Engineering, Epistemology teaching, Human rights, Humanism, Institutions, Instruments, Law, Literature, Mathematical logics, Maths games/Combinatory theory, Museum, Politics, Religions, Sciences & Religions, Semiotics, Society, Technique/Technology, Materialism/Mechanical materialism, Nature of science, Scientism, Weapons/Military

### Sciences Involved in Historical Discourses

Astronomy, Biology, Chemistry, Cosmology, Foundations, Mathematics, Medicine, Physics

### Notes for Intending Authors

We are also interested in: 1) Short reports — 2-5 page papers in which an author can either present an idea with a theoretical background but has not yet completed the research needed for a complete paper, or preliminary data; 2) Reviews — Comments and critiques; 3) Proceedings/Special Issues/Monographs — Special peer-reviewed issues for colloquia, symposia, workshops in agreement with policy of AHS.

### Website and E-Mail

<https://www.scirp.org/journal/ahs>      E-mail: [ahs@scirp.org](mailto:ahs@scirp.org)