# JOURNAL OF THE HELLENIC INSTITUTE OF EGYPTOLOGY

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JOURNAL OF THE HELLENIC INSTITUTE OF EGYPTOLOGY 6

ΕΛΛΗΝΙΚΟΝ ΙΝΣΤΙΤΟΥΤΟΝ ΑΙΓΥΠΤΙΟΛΟΓΙΑΣ 6

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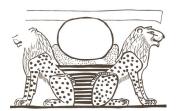


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#### **EDITORIAL**

The Journal of the Hellenic Institute of Egyptology (JHIE) is jointly co-published annually, in one fascicle, by the HELLENIC INSTITUTE OF EGYPTOLOGY (Athens, Hellas), by CAIN SHAMS UNIVERSITY (Cairo, Egypt) and by the ARCHAEOLOGICAL SOCIETY OF ALEXANDRIA (Alexandria, Egypt). The aim of JHIE, based on the principles of Humanism and the desire for International Synergies and collaboration between colleagues of different nationalities that characterize both the Institute, the Society and the Department of Tourist Guidance of the Faculty of Arts of 'Ain Shams University, is to provide a modern scientific forum for the discussion of a pleiade of aspects, notions and facets from various domains of Egyptology, Archaeology and Archaeoastronomy, with emphasis on the religion, funerary texts, language and scripts, Epigraphy, Papyrology, Sciences (Astronomy, Mathematics, Botany, Chemistry, Architecture, Materials and Technology, & c.) of ancient Egypt, as well as Helleno-Roman Archaeology related to Egypt; furthermore, Coptology is also well represented. Interdisciplinarity and the harmonious interference between various scholarly fields and disciplines are highly desirable, as is also a general emphasis on the collaboration of countries all over the Mediterranean Basin, encompassing studies of individual civilisations (in particular those related to ancient Egypt and Hellas), as well as common elements, contacts and interactions among them. The journal is published, handled and distributed by SERAPIS EDI-TIONS, Athens, Hellas. All payments are due to SERAPIS EDITIONS, and not to the Institute, neither to the Archaeological Society, nor to <sup>c</sup>Ain Shams University.

JHIE is based on the highest standards and accepts, after peer—reviewing, original papers from all authors, without any discrimination between nationality, religion, gender or sexual orientation. We publish the work of international scholars, while also providing a virtual forum for the finest Hellenic and Egyptian scholarship; thus, we welcome original articles dealing with the aforementioned thematologies. Articles discussing different cultures will be considered for publication if they are clearly relevant to the ancient Mediterranean World (specifically to Egypt and Hellas), including ancient Hebrews, Phoenicians, Mesopotamians, Assyrians, Persians, Babylonians, Hittites, Arabs, North Africans, & c. Information about new egyptological, archaeological and archaeoastronomical discoveries and current scholarly events is also welcome (in the form of very short notes). Publishers are highly encouraged to send review copies of their books in the relevant fields (please see *infra*).

JHIE is a double-blind peer-reviewed journal. Articles must not have been published in, or submitted to, another publication at the time of submission and must be original. All submitted papers are firstly very carefully read by at least two Editors of JHIE, who will give a feedback to the author(s). Articles (excluding book reviews or research reports) are afterwards reviewed anonymously by at least two referees in their specific field, appointed by the Executive Editors. The whole peer-review process, as well as any judgment, is based on the quality of the article, its originality and the research conducted therein (only!). In cases where the reviewers recommend changes in the manuscript, authors are requested to revise their articles. In the rare case of unreasonable claims by a reviewer, the Executive Editor in Chief deserves the right to agree with the author not to accept such claims. The final approval of articles lies at the Executive Editors and at the Editorial Board. Throughout the whole peer-review process, articles are treated confidentially. In case of (alleged or suppo-

sed) interest conflict, misconduct or plagiarism of any party involved, the Executive Editor in Chief and/or (if necessary) another Member of the Editorial Board) shall pursue the case and should the situation of taking action arise, shall notify the respective party. The List of the Editorial Board can be found printed in the journal and also at its official web–site. We collaborate with more Colleagues worldwide for specific themes and issues. Finally, in order to make the double–blind peer–review process more transparent and comprehensible, we shall also publish occasionally in our web–page the names of some referees; for this, see: <a href="https://www.jhie.gr/">https://www.jhie.gr/</a>. All authors whose papers have been accepted are encouraged to follow carefully and precisely all our *Editorial Guidelines*, otherwise their papers will not be published! The most preferred languages for publication are English and French; however, occasionally we do also accept papers and short reports writen in German, Italian and Spanish.

The current issue of our journal contains nine original papers on related domains (written by eminent colleagues in these fields) and a short review paper; as well as seven book reviews and two obituaries: one for our unforgettable Principal and Founding Member M<sup>rs</sup> Alexandra Diez DE OLIVEIRA, who untimely and unfairly passed in the realm of eternity last April; and another for the also recently lost Dr Stan HENDRICKX, one of the most eminent Belgian Egyptologists. It also features a short section with Chronicles on our activities.

In this issue the reader will find more papers related to Archaeoastronomy concerned with both Egypt and Hellas. Starting from this volume, we do endeavour to accommodate in the future more archaeoastronomical papers and open a broader interdisciplinary forum, for serious scholars, no matter if they are not Archaeologists. Interdisciplinarity and the harmonic interaction between Egyptology and other Scientific Disciplines remain always a lodestar and a *desideratum*. We gratefully acknowledge the participation of all authors, whose papers are hereby accommodated. The papers of this Volume follow one another by strict thematological order and were not printed always in strict alphabetical order. I fully appreciate the kind assistance of our subscribers from both Hellas and abroad, whose continuous support sustains the high costs of publication of this journal. Last, but not least, I would like to kindly acknowledge the substantial contribution of Dr Themis DALLAS (I.A.K.A., University of Thessaly; now also Board Member of the Institute), for his restless efforts and internet skills that resulted in the creation of the new official web–page of the journal.

All communications, manuscripts, disks and books for review should be sent to the Executive Editor in Chief in Hellas: **Dr Dr Alicia Maravelia** (*JHIE*), **c/o:** Serapis Editions: 27, Notara Str., GR–106 83, Athens, Hellas. For e-mails and questions, please use the following alternatives: **editor@jhie.gr** | **hieg-aker.org@otenet.gr** | **s.tsourinaki@yahoo.com** (**M**<sup>rs</sup> **Sophia Tsourinaki**, Treasurer of the Institute). For matters of payment and subscriptions, please communicate ONLY with the Publisher (Serapis Editions), as above, NOT with the Institute, the Society or the University; and —in this case— for e-mails and questions, kindly use only: **serapis.gr@gmail.com**. We should like to thank all of you warmly for your contributions and participation in this new endeavour of our journal.

#### Dr Dr Alicia MARAVELIA

Executive Editor in Chief

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#### **EDITING GUIDELINES FOR AUTHORS**

All authors are kindly requested and expected to follow precisely the Editorial Rules. Papers of authors who do not follow the *JHIE*–Rules will NOT be published, even if they are accepted by the Referees! We kindly ask you to respect this and follow the rules, trying to save as much time as possible, for both parts, in both: unnecessary labour and unnecessary exchange of e-mails.

- **1.** Use EXACTLY the bibliographical reference pattern that is shown at the end. All authors should study carefully the pattern, in order to understand how they must present their bibliography. Everything they may wish to ask can be found here. There will be no further discussion, should any author has not followed these guidelines; his/her paper will not be published!
- **2.** No unorthodox, racist or strange political statements are permitted and terminology should be politically correct, without discrimination between men and women or any other «racial», religious or sexual discriminations! For instance DO NOT say «man/men has/have done a lot», prefer rather humans have done a lot or humanity has done a lot, & c.
- **3.** Use throughout *Hellenic* instead of «Greek», *Hellas* instead of «Greece», *Hellenic language* instead of «Greek language». Also, kindly, use throughout BC and AD.
- **4.** Please insert ALL your figures and captions in your papers, exactly where you want them to be, but DO NOT insert any pagination numbers! Everywhere the space must be single (in the main text, in footnotes, in headers and footers). Also indentation and spacing must be zero (0) everywhere.
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- 12. All papers must be 12 pages (maximum!!) with figures, altogether. Only KEY-NOTE or specially invited papers can be > 20 pages maximum with figures altogether! All submitted papers must be original and not published already or be under publication in any other journal!

JHIE appears annually every December. Deadline for papers is end of July.

#### PATTERN FOR BIBLIOGRAPHICAL REFERENCES

AVENI, A.F.: World Archaeoastronomy, Cambridge (Cambridge University Press) 1989A. AVENI, A.F.: Empires of Time: Calendars, Clocks and Cultures, NY (Basic Books) 1989B.

Henceforth, e.g.: AVENI 1989A: 34-50 | AVENI 1989B: 120 ff, & c.

BRETAGNON, P. & FRANCOU, G.: «Planetary Theories in Rectangular and Spherical Variables: VSOP 87 Solution», *Astronomy & Astrophysics* 202, 1988, 309-315.

ENGLUND, G.: Akh: Une notion religieuse dans l'Égypte pharaonique, Uppsala (Acta Universitatis Upsaliensis / BOREAS 11) 1978.

ERMAN, A. & GRAPOW, H. (Hrsg.): *Wörterbuch der Ägyptischen Sprache* I-V, Leipzig (J.C. Hinrichs) 1926-1931 [= *Wb*.]. Henceforth, e.g.: *Wb*. IV, ...

FAKHRY, A.: The Pyramids, Chicago (University of Chicago Press) 1961.

FAULKNER, R.O.: «Some Notes on the God Shu», JEOL 18, 1964, 266-270.

GODRON, G.: «Études sur l'époque archaïque», BIFAO 57, 1958, 143-155.

HORNUNG, E.: *The Ancient Egyptian Books of the Afterlife* (translated by D. Lorton), Ithaca–London (Cornell University Press) 1999. Henceforth, e.g.: HORNUNG 1999, and so on.

JÜRGENS, P.: Grundlinien einer Überlieferungsgeschichte der altägyptischen Sargtexte: Stemmata und Archetypen der Spruchgruppen 30-32+33, 75 (-82), 162+164, 225+226 und 343+345, Wiesbaden (O. Harrassowitz / GOF IV<sup>31</sup>) 1991.

KAHL, J.: «Textkritische Bemerkungen zu den Diagonalsternuhren», SAK 20, 1993, 93-107.

MARAVELIA, A.–A.: «The Orientations of the Nine Tholos Tombs at Mycenae», *Archaeoastronomy* 27 (suppl. to *JHA* 33), 2002A, S63-S66. **Henceforth, e.g.: MARAVELIA 2002A: S62-S64.** 

MARAVELIA, A.–A.: «Ancient Egyptian Inscribed Faience Objects from the Benaki Museum in Athens, 1», *JNES* 61², 2002B, 81-109. Henceforth, e.g.: MARAVELIA 2002B: 84 ff.

MARAVELIA, A.–A.: «Faience Objects of the Ancient Egyptian Collection at the National Archaeological Museum of Athens, 1», *GM* 189, 2002C, 61-80.

MARAVELIA, A.-A.: Les astres dans les textes religieux en Égypte antique et dans les Hymnes Orphiques, Oxford (Archaeopress / BAR International Series 1527) 2006.

PARLASCA, K.: «Neues zur Ptolemäischer Fayencekeramik», Alessandria e il Mondo Ellenistico–Romano: Studi in Onore di Achille Adriani II (Bonacasa, N. & di Vita, A., eds), Roma 1984, 300-302 & Pl. 54.

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