

## PERSONAL INFORMATION



**Full name:** Prof. Gomaa Mohamed Mahmoud Abdel-Maksoud

**Nickname:** Prof. Gomaa Abdel-Maksoud

**Sex:** Male

**Date of birth:** 15/12/1967

**Nationality:** Egyptian

- **General area of specialization:** Conservation of Archaeological materials.

- **Area of precise specialization:** Conservation of Organic Materials.

- **Permanent address:** Organic Materials Conservation Department, Faculty of Archaeology, Cairo University, 12613, Giza, Egypt (permanent address).

- **Temporary address:** Organic Materials Conservation, Heritage Science Programs, School of Humanities, Faculty of International Business and Humanities, Egypt-Japan University of Science and Technology (E-JUST), New Borg El-Arab City, 21934, Alexandria, Egypt (temporary address).

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- **Scopus ID:** 6505816521

(<https://www.scopus.com/authid/detail.uri?authorId=6505816521>)

- **Google scholar:**

[https://scholar.google.com/citations?hl=en&user=JIQwF8QAAAAJ&view\\_op=list\\_works&sortby=pubdate](https://scholar.google.com/citations?hl=en&user=JIQwF8QAAAAJ&view_op=list_works&sortby=pubdate)

- **Researchgate:** <https://www.researchgate.net/profile/Gomaa-Abdel-Maksoud>

- **ORCID ID:** <https://orcid.org/0000-0002-7964-5746>

## Employment:

1991-1995

Demonstrator at the Conservation Department, Faculty of Archaeology, Cairo University, Giza, Egypt.

1995-2001

Assistant lecturer at the Conservation Department, Faculty of Archaeology, Cairo University, Giza, Egypt

2001-2006

Lecturer at the Conservation Department, Faculty of Archaeology, Cairo University, Giza, Egypt

2006-2012

Associate Prof. at the Conservation Department, Faculty of Archaeology, Cairo University, Giza, Egypt

2012-Current.

Prof of Organic materials Conservation at the Organic Materials Conservation Department, Faculty of Archaeology, Cairo University, Giza, Egypt

2012-2013

Director of the Conservation Centre for Archaeological and Historical Buildings and Museum Artifacts

2012-2015 (First Period).

Vice Dean for Graduate Studies and Research, Faculty of Archaeology, Cairo University, Giza, Egypt.

2015-2018 (Second period).

Vice Dean for Graduate Studies and Research, Faculty of Archaeology, Cairo University, Giza, Egypt.

2018-2019

Acting Dean of the Faculty of Archaeology, Cairo University, Giza, Egypt.

**2024 – Current.**

Coordinator of Heritage Science Program, School of Humanities, Faculty of International Business and Humanities, Egypt-Japan University of Science and Technology (E-JUST), New Borg El-Arab City, Alexandria, Egypt.

**Education:****1990**

Graduate studies in conservation (Bachelor of Conservation) with an excellent grade with honors at the Conservation Department, Faculty of Archaeology, Cairo University.

**1995**

Master of Arts entitled: “Experimental and applied study for the treatment and conservation of mummies with application to an ancient mummy”, with a grade of excellent.

**2001**

Ph.D. dissertation title: “Evaluation of Successful Applied Methods for Conservation of Archaeological Leathers and Parchment Manuscripts”, Cracow University of Economics, Faculty of Commodity Science, Cracow, Poland,

**Skills Development:****1994**

Course entitled: "X-ray Diffraction Analysis", Faculty of Science, Cairo University, Egypt.

**1999**

Advanced Study Course: "Methods in the Analysis of the Deterioration of Collagen-Based Historical Materials in Relation to Conservation and Storage", School of Conservation, Royal Danish Academy of Fine Arts, Denmark.

**2000**

Scholarship opportunity for a three-month program on "Evaluation of Materials and Methods for Cleaning Parchment" at the Department of Conservation, Technical Education Institute in Athens, Greece.

**2010**

Course entitled “Electron Microscope Applications in Biology, 2nd Training Course, Electron Microscope Lab – FARP, Faculty of Agriculture, Cairo University, Giza, Egypt.

**Training courses in the fields of management, teaching methods, scientific research, and anti-corruption.**

**1. Training courses from the Center for Capacity Development for Faculty Members and Leaders - Cairo University.**

18-20/12/2004

- Developing managerial skills.

25-26/12/2004

- Youth Care Skills Development.

1-4/01/2005

- Scientific research methods.

9-11/01/2005

- Thinking skills.

15-17/01/2005

- Effective presentation skills.

2-5/07/2005

- Effective communication skills.

9-12/07/2005

- Modern teaching methods.

6-9/08/2005

- Making decisions and solving problems.

11-13/10/2008

- Quality standards in the teaching process.

12-14/01/2009

- Organizing exams and evaluating students.

15-17/06/2009

- Competitive research projects

14-16/12/2009

- Conference organization.

24-26/05/2010  
27-29/09/2010

- Using modern technology in teaching/
- Financial and legal aspects in university business.

## **2. Training courses offered by the Quality Assurance and Accreditation Center at Cairo University.**

17-18/11/2008  
24-26/11/2008  
24/12/2008  
16/05/2013  
13/6/2013  
26/9/2013  
01/11/2015  
04/11/2015  
05/11/2015  
17/11/2015  
23/11/2015  
30/12/2015

- Strategic planning.
- Self-study criteria (institutional capacity + educational effectiveness).
- Designing and analyzing surveys for quality assurance purposes.
- Quality management system.
- Academic guidance.
- Crisis and Disaster Management.
- Course Description.
- Program Description.
- Exam paper specifications and question formulation.
- Curriculum mapping.
- Preparing an electronic course.
- Postgraduate studies and scientific research.

## **3. Training courses from the National Authority for Quality Assurance and Accreditation in Egypt.**

26-27/10/2013  
28-29/10/2013  
  
30-31/10/2013  
25/05/2015

- Self-assessment framework for higher education institutions.
- Program descriptions and curriculum maps for higher education institutions.
- External review of higher education institutions.
- Conference and celebration of the Ministry of Higher Education with the authority titled "Towards a qualitative leap in higher education".

## **4. Training courses from the Faculty Development Center at Yarmouk University in the Hashemite Kingdom of Jordan:**

19/04/2005  
3/05/2005  
  
8/05/2005  
17/10/2005  
27/12/2005  
30/05/2006  
7/11/2006  
3/04/2007

- Supervision styles for academic theses and dissertations.
- Preparing research projects and applying for funding for scientific research.
- Data analysis in scientific research using SPSS.
- Preparing scientific research using Latex software.
- Protecting intellectual property rights.
- Computer Viruses: Prevention and Treatment Methods.
- The Tempus project.
- The Eus Seventh Research Framework Program.

## **5. Training courses from the Administrative Control Authority - Arab Republic of Egypt.**

5-10/09/2015

Leadership Development Course in the field of corruption prevention and combating, number (1), held at the Administrative Control Authority headquarters.

## **6. Course at the National Defense College / Nasser Military Academy:**

17-21/02/2018

The educational course on strategic studies and national security held at the National Defense College / Nasser Higher Military Academy.

12-13/10/2020

**Contribution to the development of Bylaws academic programs (Faculty of Archaeology, Cairo University, Egypt):**

**7. Online training course through the Higher Education Development Projects Management Unit - Ministry of Higher Education.**

Measurement and evaluation methods and optional vocabulary building

Prof. Gomaa Abdel-Maksoud participated in the establishment of the bylaws for postgraduate studies in its various programs with the credit hour system.

The development stages for these programs were as follows:

**First stage (2013):**

In 2013, the institution introduced four general diplomas, ten specialized diplomas, and five professional diplomas, along with four master's programs as per Ministerial Decision No. 880 dated 9/4/2013.

Additionally, a collaborative program with the Faculty of Science at the University of Cologne, Germany was established.

The programs created in this stage are as follows:

**General Diplomas:**

- Diploma in Egyptian Antiquities.
- Diploma in Islamic Antiquities.
- Diploma in Archaeological Conservation.
- Diploma in Greco-Roman Antiquities.

**Specialized Diplomas:**

- Diploma in Art History.
- Diploma in Prehistoric Archaeology.
- Diploma in Ancient Near Eastern Archaeology.
- Diploma in Arabian Peninsula and Arabian Gulf Archaeology.
- Diploma in Mediterranean Countries Archaeology.
- Diploma in Islamic Archaeology.
- Diploma in Moroccan and Andalusian Archaeology.
- Diploma in Organic Antiquities Conservation.
- Diploma in Architectural Restoration and Preservation of Buildings and Archaeological Sites.
- Diploma in Inorganic Antiquities Conservation.

**Professional Diplomas:**

- Diploma in Museology.
- Diploma in Excavation.
- Diploma in Ancient Egyptian and Coptic Inscriptions.
- Diploma in Management of Archaeological Sites.
- Lecture Course on Egypt Through Ages.

**Master's Programs:**

- Master's in Egyptian Antiquities.
- Master's in Islamic Antiquities.
- Master's in Archaeological Conservation.
- Master's in Greco-Roman Antiquities.

**Master's Program in Environmental Archaeology:**

A joint program between the Department of Egyptian Archaeology at the Faculty of Archaeology - Cairo University and the Faculty of Science at the University of Cologne, Germany.

**Second stage (2018):**

The Faculty of Archaeology at Cairo University has introduced new scientific programs in both Arabic and English languages across various scientific departments, as per Ministerial Decision No. 1592 dated 2/5/2018. These programs are as follows:

#### **General Diplomas**

Diploma of Egyptian Archaeology  
Diploma of Prehistory  
Diploma of Islamic Archaeology  
Diploma of Greco-Roman Archaeology

#### **Academic Masters Program**

Master Program in Egyptian Archaeology  
Master Program in Islamic Archaeology  
Master Program in Organic Materials Conservation  
Master Program in Organic Materials Conservation  
Master Program in Architectural Restoration  
Master Program in Greco-Roman Archaeology

#### **Ph.D. programs**

Ph.D. Program in Egyptian Archaeology  
Ph.D. Program in Prehistory  
Ph.D. Program in Islamic Archaeology  
Ph.D. Program in Organic Materials Conservation  
Ph.D. Program in Inorganic Materials Conservation  
Ph.D. Ph.D. Program in Greco-Roman Archaeology Restoration

#### **Third stage (2018):**

The Department of Restoration and Conservation of Antiquities at the faculty of Archaeology (Cairo University) has introduced new scientific programs in both Arabic and English, as per Ministerial Decision No. 5066 dated 31/10/2018. These programs are as follows:

1. General Conservation Diploma.
2. Master's in general Conservation.
3. Ph.D. in General Conservation.

#### **Developing the educational process with bachelor's degree programs.**

Prof. Gomaa Abdel-Maksoud, a faculty member in the Conservation Department, played a key role in transforming the general restoration program at the bachelor's level into credit hour programs. He was instrumental in developing a program focused on the treatment and conservation of organic artifacts. Additionally, he contributed to the creation of several courses, such as:

- A course on the treatment and conservation of mummies and mummified remains.
- A course on the treatment and conservation of parchment manuscripts.

- A course on the treatment and conservation of leather, bones, and ivory.

**Contribution to the development of Bylaws academic programs (School of Humanities, Faculty of International Business and Humanities, Egypt-Japan University of Science and technology).**

Prof. Gomaa Abdel-Maksoud participated in the establishment of the bylaws for postgraduate studies in its various programs with the credit hour system. These programs are as follows:

**Master Program (tracks) in Heritage Science:**

- Archaeological Excavation>
- Heritage Conservation Science.
- Museum Management.
- Cultural heritage Studies.

**Ph.D. Program (tracks) in Heritage Science:**

- Archaeological Excavation.
- Heritage Conservation Science.
- Museum Management.
- Cultural heritage Studies.

**Teaching activities**

**First: Teaching in the Arab Republic of Egypt**

**1. Teaching in the Conservation Department - Faculty of Archaeology - Cairo University.**

**Teaching for the Bachelor's degree level:** The following courses were taught:

1. Principles of restoration and conservation of antiquities.
2. Principles of treatment and conservation of organic artifacts.
3. Conservation of manuscripts.
4. Studies and research.
5. Conservation of organic materials.
6. Insects and microorganisms.
7. Preventive conservation of Organic materials.
8. Conservation of mummies and mummified remains.
9. Conservation of waterlogged organic materials.
10. Conservation of leather, bone and ivory.
11. Conservation of Parchment manuscripts.
12. Conservation of ethnographic artifacts.

**Teaching for postgraduate Courses (Diploma in Archaeological Conservation) - Conservation Department (Old bylaws)**

1. Conservation of manuscript.
2. Conservation of organic materials, and wood carving, shaping, and treatment.

**Teaching for postgraduate courses - Specialization in organic materials Conservation with a credit hour system (new Bylaws) - Conservation Department - Faculty of Archaeology, Cairo University**

1. Principles of restoration and conservation of antiquities.
2. Conservation of parchment manuscripts.

3. Preventive conservation of organic materials.
4. Ancient organic materials technology and industries.
5. Conservation of organic artifacts.
6. Conservation of mummies and mummified remains.
7. Conservation of waterlogged organic materials.
8. Conservation of leather, bone and ivory.

**2. Teaching at the Faculty of Arts (Department of Libraries and Documents) - Cairo University.**

1. Treatment and conservation of documents.

**3. Teaching at the Faculty of Fine Arts - Alexandria University (Postgraduate Studies in Restoration).**

1. Conservation of organic materials.
2. Insects and microorganisms.
3. Pigments and dyes technology.
4. Materials treatment and conservation technology.
5. Deterioration factors of painting.
6. Restoration theories.
7. Furniture materials technology.
8. Deterioration factors of materials.
9. Conservation materials technology.
10. Conservation Science.

**4. Teaching at the undergraduate level - Faculty of Fine Arts - Minia University.**

1. Conservation of manuscripts.
2. Materials and theories of restoration.
3. Conservation of organic materials.

**5. Teaching at the Diploma level in Manuscript Sciences - Institute of Arabic Manuscripts - Arab League University.**

1. Conservation of manuscript.

**6. Teaching in the Heritage Science Master's and PhD programs at the Egypt-Japan University, New Borg El Arab Coty, Alexandria, Egypt.**

**6.1. Master Program**

1. Documentation, Cataloguing and Conservation of Heritage.
2. Zemi 1: Research Proposal and Scientific Writing.
3. Introduction to Heritage Science; Heritage and Management.
4. Archaeometry Studies.
5. Special Topics in Heritage Conservation Technology.
6. Advanced Topics in Treatment and Conservation of Organic Materials (I)
7. Research Methods for Heritage Science.

**6.2. Ph.D. Program**

1. Zemi 6: Community Participants for Preserving Heritage.
2. Role of Sciences and Technology in Archaeology.
3. Advanced Topics in Exhibition and Storage.
4. Special Topics in Preservation of Organic and Inorganic Materials.

**7. Teaching at the undergraduate level at the Egypt-Japan University, New Borg El Arab Coty, Alexandria, Egypt.**

1. Arts and architecture in ancient Egypt.

**Second: Teaching outside the Arab Republic of Egypt.**

**Teaching in the Department of Heritage Conservation - Faculty of Archaeology and Anthropology - Yarmouk University - Hashemite Kingdom of Jordan.**

**Undergraduate courses:**

1. Introduction to Heritage Conservation.
2. Conservation and Restoration Science.
3. Introduction to Museum Science.
4. Policies and legislation for the protection of antiquities and heritage.
5. Deterioration of Heritage Resources.
6. Conservation and Restoration of Ancient Papyrus.
7. Conservation and Restoration of Bone and Related Materials.

**Master's degree courses in Heritage Resource Management#**

1. Theory of cultural heritage conservation
2. Studies in museum science.

**Master's degree courses (Heritage Resources Conservation)**

1. Studies in museum science.
2. Conservation and restoration of organic materials.

**Contribution to student activities at the Faculty of Archaeology, Cairo university.****First: Activities sponsored by the youth and the student union.**

1. leadership of the Civilization Doctors Magazine from 2012 to 2015.
2. Leadership of social and trips committees during the period from 1/9/2002 to 31/1/2005.
3. The leadership of the cultural committee during the period from 1/9/2009 to 31/8/2010.
4. The leadership of the Scientific and Technological Committee for the academic year 2011-2012.

**Second: Supervising the student union election committees.**



1. Prof. Gomaa Abdel-Maksoud was assigned as a member of the committee formed to supervise the elections of the College Student Union, which took place in October 2009.
2. Head of the Student Union Election Committee for the academic year 2019/2018.
3. Head of the Student Union Elections Committee for the academic year 2020/2019.

## Research Activities

### 1. Books

1. Shehata, M., Issa, Y. **Abdel-Maksoud, G.**, Analytical study for characterization of the icon materials, Lap LAMBERT Academic Publishing, ISBN: 978-3-659-81507-2, 2016.

### 2. Publications

- (Scopus *h-index*: 27).

- Total Citations: 1933.

- Google Scholar *h-index*: 28

- Total citation: 2689

1. **Abdel-Maksoud, G.**, Kotowa, J. S., Barabasz, W., Biodeterioration of leather during tanning process, *Microorganisms and Soil Life*, Agriculture University, Cracow, 1997, p. 383-392.
2. **Abdel-Maksoud, G.**, Some methods of evaluating leather during the chrome tanning process, *Conference of Quality of Management in Market Economy*, Cracow University of Economics, 1998, pp.271-274.
3. **Abdel-Maksoud, G.**, Marcinkowska, E., Determination of degradation of artificially vegetable tanned leather compared with archaeological samples, 1 st. International Conference on Restoration and Conservation of Antiquities, Cairo, 12-14 April, 1999.
4. **Abdel-Maksoud, G.**, Marcinkowska, E., Effect of artificial ageing by heat on properties of vegetable tanned leather, *Quality for the XXIst Century*, 12th IGWT Symposium, Poznań - Gdynia, 5-11 September 1999. pp. 381-387.
5. **Abdel-Maksoud, G.**, Marcinkowska, E., Evaluation of vegetable tanned leather after artificial ageing compared with archaeological samples, ICOM Committee for Conservation, 12th triennial meeting Lyon, 29 August-3 September 1999. P. 913.
6. **Abdel-Maksoud, G.**, An evaluation of selected applied polymers for the treatment of parchment, *Conference of "Non-Destructive Testing"*, Roma, Italy, 2000.
7. **Abdel-Maksoud, G.**, Marcinkowska, E., Changes in some properties of aged and historical parchment, *Restaurator*, Vol. 21, No. 3, 2000, pp. 138-157.
8. **Abdel-Maksoud, G.**, Marcinkowska, E., Comparison of the hydrothermal stability of aged and archaeological vegetable tanned leather, *Journal of Technology University, Cracow*, 2000, pp. 179-188.

9. **Abdel-Maksoud, G.**, Marcinkowska, E., The effect of artificial heat ageing on some properties of chrome tanned leather, *Journal of Technology University, Cracow*, 2000, pp. 164-178.
10. **Abdel-Maksoud, G.**, Conservation of Egyptian mummies, Part 1: Experimental study on the ancient Egyptian technique of mummification, *Journal of Museum of Archeology, Cracow*, 2000.
11. **Abdel-Maksoud, G.**, Conservation of Egyptian mummies, Part 2: Survey study for the highest occurrence of microorganisms on Egyptian mummies, *Journal of Museum of Archeology, Cracow*, 2000
12. **Abdel-Maksoud, G.**, The use of some fungicides in the preservation of parchment manuscripts, *The First Conference of the Central Agricultural Pesticide Laboratory, Agricultural Research Centre, Ministry of Agriculture and Land Reclamation, Volume 1, 3-5 September 2002*, pp.389-404.
13. **El-Banna, E. M, Abdel-Maksoud, G.**, Fungal deterioration and proposals of control for the dome and mausoleum of Fatma Khatoon – Old Cairo, *Conference Alexandria the City of civilizations and culture “study in the historical, cultural, archaeological, touristic and environmental dimensions”*, *Bibliotheca Alexandria*, 25-27 September 2003, pp. 7-31.
14. **Abdel-Maksoud, G.**, Determination of hydrothermal stability of consolidated parchment and leathers, *The Six Conference of General Union of Arab Archaeologists “Studies in Arab Nation Archaeology, Cairo, 4-6 October, 2003*, pp. 21-43.
15. **Abdel-Maksoud, G.**, and Abdel-Fatah, N., Conservation Treatment of a Bookbinding from the Islamic Museum, Faculty of Archaeology, Cairo University, In: *Interim Meeting, ICOM Conservation Committee “Recent preoccupations concerning textiles, leather, legislation, Athens, 21-24 April, 2004*.
16. **Abdel-Maksoud, G.**, Panagiaris, G., Experimental study for the evaluation of some polymers used for the treatment of leathers, *International Conference: ICOM Conservation Committee, Working groups: Textiles, leather and related materials, legal issues, Interim Meeting “Recent preoccupations concerning textiles, leather, legislation, Byzantine and Christian Museum of Athens, 21-24 April, 2004*.
17. **Abdel-Maksoud, G.** Non-destructive methods for damage assessment of parchment manuscripts, *The Fourth International Conference in Science and Technology in Archaeology & Conservation, Queen Rania Institute of Tourism and Heritage, Hashemite University, Zarqa and the Department of Antiquities, Amman, Jordan, 7<sup>th</sup> -11<sup>th</sup> December, 2005*.
18. **Abdel-Maksoud, G.** Farag. R., Investigation and conservation techniques for a portolan map painted on parchment, *Conference and workshop on conservation and restoration “the future view of conservation and restoration of archaeological areas”*, *Faculty of Fine Arts, Minia University, April, 2006*, pp.1-42.
19. **Abdel-Maksoud, G.**, Evaluation of wax or oil/fungicide formulations for preservation of vegetable-tanned leather artifacts, *Journal of the Society of Leather Technologists and Chemists (JSLTC)*, Vol. 90, No. 2, *SATRA House, Northamptonshire, England, 2006*, pp. 58-67.

20. **Abdel-Maksoud, G.**, Study of cleaning materials and methods for stains on parchment, Journal of the Society of Leather Technologists and Chemists (JSLTC), Northamptonshire, England, 2006.
21. **Abdel-Maksoud, G.**, The Conservation of Egyptian mummies: Experimental study on inert gas for the preservation of mummies, International Conference "Challenges in preserving and managing Jordan's Cultural Heritage Resources", Yarmouk University, Faculty of Archaeology and Anthropology, Department of Conservation and Management of Cultural Resources, Irbid – Petra, Jordan, 5-7 December 2006.
22. **Abdel-Maksoud, G.**, The conservation of Egyptian mummies: The conservation processes of Greco-Roman mummies exhibited in the Faculty of Archaeology Museum, Cairo University, Egypt, International Conference "Challenges in preserving and managing Jordan's Cultural Heritage Resources", Yarmouk University, Faculty of Archaeology and Anthropology, Department of Conservation and Management of Cultural Resources, Irbid – Petra, Jordan, 5-7 December 2006.
23. **Abdel-Maksoud, G.**, Analytical techniques used for the evaluation of paper treated with some consolidants, In: 9<sup>th</sup> Arab International Conference on Polymer Science and Technology, 18-22 November 2007, 10<sup>th</sup> Ramadan City, Hurghada, Egypt, pp.1-32.
24. **Abdel-Ghafar, M., Abdel-Maksoud, G., Rabia, R.**, Experimental studies for the evaluation of some consolidants used for the treatment of vegetable-tanned leather artifacts, In: 9th Arab International Conference on Polymer Science and Technology, 18-22 November 2007, 10th Ramadan City, Hurghada, Egypt, pp.1-12.
25. **Abdel-Maksoud, G.**, Evaluation of grafting polymerization technique used for the treatment of paper, Journal of Qena Faculty of Arts, South Valley University, Egypt, 2008, No. 25, pp. 5-30.
26. **Abdel-Maksoud, G.**, Biodeterioration assessment of parchment manuscripts and leather artifacts, Conference of General Union of Arab Archaeologists "Studies in Arab Nation Archaeology, Sohag, 18-21 October 2008.
27. **Abdel-Maksoud, G.**, Artificial Accelerated Ageing and Investigation Methods used for the Evaluation of the Effectiveness of Polyurethane Applied for Consolidating Paper, Journal of the Faculty of Archaeology – Volume XIV, 2009, pp. 83-105.
28. **Abdel-Maksoud, G., Al-Saad, Z.**, Evaluation of cellulose acetate and chitosan used for the treatment of historical papers, Journal of Mediterranean Archaeology and Archaeometry, Vol. 9, No. 1, 2009, pp. 69-87.
29. **Thompson, R.C., Allam, A., Wann, L.S., Miyamoto, M.I., Abdel-Maksoud, G., Badr, I., Clarke, K.A., Amer, H.A.R., Nureldin, A., Hawas, Z., Thomas, G.S.**, The use of CT scanning to explore the presence and extent of atherosclerosis in ancient Egyptians: The HOURUS study, Journal of Cardiovascular Computed Tomography, Vol. 3, No. 4s:s28, July/Agust, 2009.
30. **Abdel-Maksoud, G.**, Comparison between the properties of "accelerated-aged" bones and archaeological bones, Journal of

- Mediterranean Archaeology and Archaeometry, Vol. 10, No. 1, 2010, pp. 89-112.
31. Allam, A., Nureldin, A., **Abdel-Maksoud, G.**, Badr, I., Amer, H.A.R., Soliman, M. A., Thomas, G.S., Thompson, R., Miyamoto, M., Thomas, I.G., Thompson, A., Wann, S., Something old, something new – computed tomography studies of the cardiovascular system in Ancient Egyptian mummies, *The American Heart Hospital Journal*, Vol. 8, No.1, 2010, pp. 10-13.
  32. **Abdel-Maksoud, G.**, Analytical techniques used for the evaluation of a 19th century quranic manuscript conditions, *Journal of Measurement*, Vol. 44, 2011, pp. 1606-1617.
  33. **Abdel-Maksoud, G.**, Investigation techniques and conservation methods for a historical parchment document, *Journal of the Society of Leather Technologists and Chemists*, Volume 95, No. 1, 2011, pp. 23-34.
  34. **Abdel-Maksoud, G.**, Abdel-Hady, M., Effect of burial environment on crocodile bones from Hawara excavation, Fayoum, Egypt, *Journal of Cultural Heritage*, Vol. 12, 2011, pp.180–189.
  35. Allam, A., Thompson, R.C., Wann, S., Miyamoto, M., Nureldin, A., Abdel-Maksoud, G., Soliman, M. A., Badr, I., Amer, H.A.R., Sutherland, L., Sutherland, J.D., Thomas, G.S., Atherosclerosis in ancient Egyptian mummies, The HOURUS Study, *JACC Cardiovascular Imaging*, Vol.4, No. 1, 2011, pp.315-327.
  36. **Abdel-Maksoud, G.**, El-Amin, A., A review on the materials used during the mummification processes in ancient Egypt, *Journal of Mediterranean Archaeology and Archaeometry*, Vol. 11, No.2, 2011, pp. 129-150.
  37. Allam, A., Thompson, R.C., Wann, S., Miyamoto, M., Nureldin, A., **Abdel-Maksoud, G.**, Soliman, M. A., Badr, I., Amer, H.A.R., Sutherland, L., Sutherland, J.D., Thomas, G.S., Atherosclerosis in ancient Egyptian mummies, The HOURUS Study, *International Journal of interventional Cardioaniology*, No. 29, 2012. pp. 47-56.
  38. **Abdel-Maksoud, G. El-Amin, Afifi, F.**, The insecticidal activity of tea tree oil (*melaleuca alternifolia*) against the common pest in mummies (*dermestes maculatus*), *International Journal of Conservation Science* Volume 4, Issue 3, July-September 2013: 301-306.
  39. Randall C Thompson, Adel H Allam, Guido P Lombardi, L Samuel Wann, M Linda Sutherland, James D Sutherland, Muhammad Al-Tohamy Soliman, Bruno Frohlich, David T Mininberg, Janet M Monge, Clide M Vallodolid, Samantha L Cox, **Gomaa Abd el-Maksoud**, Ibrahim Badr, Michael I Miyamoto, Abd el-Halim Nur el-din, Jagat Narula, Caleb E Finch, Gregory S Thomas, Atherosclerosis across 4000 years of human history: the Horus study of four ancient populations, *Lancet* 2013; 381: 1211–1222.
  40. Alia Abdelfattah, , Adel H. Allam, , Samuel Wann, Randall C. Thompson, **Goma Abdel-Maksoud**, Ibrahim Badr, Hany Abdel Rahman Amer, Abd el-Halim Nur el-Din, Michael I. Miyamoto, Linda Sutherland, James D. Sutherland, Caleb E. Finch, Gregory S. Thomas, Atherosclerotic cardiovascular disease in Egyptian women: 1570 BCE–2011 CE, *International Journal of Cardiology* 167 (2013) 570–574.

41. **Abdel-Maksoud, G.** El-Amin, Afifi, F., Insecticidal activity of cinnamomum cassia extractions against the common egyptian mummies, insect pest (*Dermestes maculatus*), International Journal of Conservation Science, Volume 5, Issue 3, July-September 2014: 355-368.
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130. **Abdel-Maksoud, G.,** Understanding Deterioration Mechanisms in a Historical Manuscript: A Comprehensive Analysis, Investigation, and Advanced Conservation Strategy Proposals, The International Italian -Egyptian Symposium on "Technology and Applied Sciences in Conservation of Cultural Heritage", 28-30 January 2025" at Manial Palace Museum and Italian Culture Institute.
131. **Abdel-Maksoud, G.,** Condition assessment of archaeological bone artifacts from different archaeological sites: deterioration mechanisms and conservation strategy proposals, The Third International symposium on Bioarchaeology and Biheritage – The International Italian-Egyptian Winter School of Bioarchaeology and Bioheritage “Decoding the Past Symposium), The Faculty of Biotechnology, October University of Modern Sciences and Arts (MSA University), Egypt, 25 February 2025.

### 3. Reviewer / International, regional and national journals

#### **Reviewer for prestigious journals in the field such as:**

Prof. Gomaa Abdel-Maksoud has participated in reviewing numerous research papers in international, regional, and national journals.

### 4. Membership/ Journal Editorial Board

- Associate editor of “**Advanced Research in Conservation Science**”.
- Review editor in Frontiers in Materials: Section: “**Environmental Degradation of Materials**”.
- Member in the editorial board of “**Shedet**”.

### 5. Permanent membership in the Scientific Committee for the Promotion of Professors and associate Professors - Supreme Council of Universities - Egypt.

- Member of the arbitration lists for examining scientific production for the positions of professors and associate professors (Restoration committee – No. 42) – Twelfth session (2016-2019).
- Member of the arbitration lists for examining scientific production for the positions of professors and associate professors (Restoration committee – No. 42) – Thirteenth session (2019-2022).
- Member of the Scientific Committee for Examining Scientific Production for the Promotion of Professors and Associate Professors (Restoration committee – No. 42) - Fourteenth Session (2022-2025).

### 6. Supervising Master's and PhD students.

#### **A. Master's theses completed under the supervision of Prof. Gomaa Abdel-Maksoud:**

1. Experimental biological studies on mummies with techniques of conservation and treatment with application on some archaeological mummies.

2. Experimental study on consolidation materials used for vegetable-tanned leather with application on some selected archaeological objects.
3. A study of the destructive factors of archaeological leathers and methods of treatment and Maintenance applicable on some selected models.
4. Studies for fungal deterioration for building materials in ancient building in Cairo City – causes and mechanisms of deterioration and methods of treatment.
5. Experimental and applied study on materials utilized in the treatment of parchment manuscripts.
6. Experimental study on some materials used for the consolidation of painted archaeological wood – applied on some selected archaeological models.
7. Experimental study on the effectiveness of natural materials used for the protection of mummies against deterioration caused by insects with application to an ancient mummy.
8. Experimental study for the evaluation and modification of pastes used for gap-filling dented parchment manuscripts with application on an archaeological object.
9. Studies on some archaeological mummies and their conservation - Applied on some archaeological mummies.
10. Experimental Study on the chemical and physical changes of decayed Archeological Bones due to Microbial Enzymes and acids and methods of their Treatment with application on a selected object.
11. Experimental studies on the effect of some burial environments on bone properties and their methods of treatments with application on some archaeological bones.
12. Experimental study for the evaluation of new pastes for treatment of some deterioration aspects of archaeological bone with application on selected objects.
13. Experimental study for evaluation of some materials and methods used to control increasing moisture in mummies with application on an archaeological mummy.
14. Experimental studies for evaluation of the efficiency of some resinous materials used in mummification for the treatment of mummies with application on a selected archaeological mummy.
15. Experimental study for evaluation the role of nano-materials for increasing the effectiveness of enzymes used for stains removal of paper manuscripts and leather artifacts with application on a selected historical object.
16. Experimental studies for evaluation of the effectiveness of some materials and methods used for cleaning of historical paper manuscripts and leather bookbindings with application on some selected objects.

17. Experimental study on evaluation of the efficiency of metallic nanoparticles and essential oil nanoparticles in disinfection of microbial deterioration of historical parchment applying on a selected object.
18. Experimental studies for the effect of air pollution gases on historical paper manuscripts and leather bookbinding and methods of prevention with application on a selected object.
19. Experimental study for evaluation of some retannage materials for the treatment of vegetable-tanned leather with application on a selected historical object.
20. An experimental study for evaluating the efficiency of cold plasma technology for cleaning historical leather bookbinding - applied on a selected object.
21. Experimental studies on materials and methods used for the treatment of deterioration aspects resulted from the hygroscopicity of archaeological bookbinding with application on a selected object.
22. Experimental study for the evaluation of lubrication materials used for the treatment of leather artifacts with application on a selected archaeological object.
23. Experimental study for evaluation of the materials used in the first aids of mummies discovered from different burial environments with application on a selected archaeological mummy.
24. A comparative study of the deterioration forms resulted from the effects of environmental conditions and archaeological bone diseases with practical application on a selected object.
25. An experimental study for evaluating the removal of some stains on parchment manuscripts using laser cleaning technology - applied to a selected object.
26. An experimental study for evaluating the cleaning of some organic materials (bone and baskets) using plasma, applied to one of the selected models.
27. An experimental study for evaluating the efficiency of sponge polymers in consolidating archaeological bones - applied on a selected object.
28. An experimental study for evaluating innovative materials for treating red rot in vegetable-tanned leather: with application on a selected historical object.
29. Analytical study for assessment of the effect of environmental conditions on the components of icons.
30. Cleaning materials and methods of illuminated manuscripts – their technology, conservation and restoration.
31. Study of the relationship between the technical analysis of color layers applied to some organic media and their treatment, conservation and authenticating methods.

32. Treatment and conservation of parchment documents - an experimental study to evaluate the efficiency of some advanced materials and methods applied on a selected object.

**B. Mater's theses supervised by Prof. Gomaa Abdel-Maksoud**

33. An experimental study for evaluating the efficiency of cleaning materials and methods on archaeological mummies - applied on a selected archaeological mummy.
34. Evaluation of the efficiency of some antioxidant essential oils in resisting fungal deterioration of historical paper applied on a selected historical object.
35. Evaluation of the multiple functions of propolis in the treatment of vegetable tanned leather artifacts with application on a selected historical object.
36. Microbial study for evaluating the efficiency of some natural biopolymers grafted with nanoparticles used in the consolidation of mummies, with application on a selected archaeological mummy.
37. Evaluating the efficiency of some multifunctional bio-nanocomposites in the consolidation and dehumidification of historical paper manuscripts, applied on a selected project.
38. Development and evaluation of some sustainable nano-biopolymer composites for the consolidation of bone artifacts, applied on a selected archaeological object.
39. An experimental study for evaluating some traditional and nano materials in resisting microbial and insect damage of paper manuscripts, applied on a selected model.
40. The evaluation of the efficiency of some green consolidation materials derived from cellulose in the consolidation of some types of paper fibers, applied on a selected manuscript.
41. Evaluation of the efficiency of some plant extracts and nanomaterials in resisting microbiological damage of archaeological mummies (experimental-applied study).

**C. Ph.D. theses completed under the supervision of Prof. Gomaa Abdel-Maksoud:**

42. Experimental study on chemically alternated microbiological deteriorated leather artifacts and evaluation of chosen methods of treatment with application on selected examples.
43. Experimental studies on cleaning materials and methods of parchment manuscripts with an application on selected example.
44. Experimental studies on some materials and methods used for the treatment of damage resulted from the interaction between vegetable tanned leather covers of books and paper – application on some selected objects.



45. Evaluation and modification of gap-filling pasted used for the consolidation of movable archaeological wood with application of selected object.
46. Experimental comparative study on the evaluation of the effectiveness of consolidation materials used for the treatment of archaeological bones in dry and humid conditions with application on a selected object.
47. Experimental study for determination of some fungicides residues used to control the mycological degradation of historical parchment manuscripts and leather artifacts with application on a selected object.
48. A comparative experimental study for evaluating the efficiency of using some traditional methods and nanomaterials for treating microbiological damage in paper manuscripts, with practical application on a selected model.
49. An experimental study to evaluate some historical plates and maps implemented on transparent paper applied to selected models.
50. Evaluation of the efficiency of some consolidation materials for archaeological bone and papyrus artifacts to resist microbial deterioration with application on a selected model.
51. An experimental study for monitoring the chemical and physical changes in archaeological bones resulting from environmental conditions and treatment methods - applied on a selected object.
52. An experimental study for evaluating some materials and methods for assembling the separated parts of mummies, with practical application on an archaeological mummy.
53. Evaluation of the efficiency of some traditional and nanopesticides and estimation of their residues in resisting fungal damage to some materials used for treating decorated paper manuscripts with leather binding, applied on a selected historical manuscript.
54. Study the effect of ageing on the icon components by using analytical techniques.
55. Study of manufacture techniques of bookbindings with evaluation of some materials and methods of their treatment with application on some bookbindings from Othman era.
56. An analytical study of the impact of humidity in coastal environment on the primary paper support of photographic (black and white) to evaluate methods of treatment and conservation by using of digital techniques) applied to some selected samples.
57. Comparative experimental study for the consolidation of illuminated manuscripts by draditional polymers and nano-polymers with application on a selected objects.

**D. Ph.D. theses supervised by Prof. Gomaa Abdel-Maksoud**

58. An experimental study for evaluating the effect of salts on the efficiency of consolidation strengthening materials used in the

treatment of bone artifacts, applied to selected archaeological bones.

59. An experimental study for evaluating the cleaning efficiency of vegetable tanned leather using ultrasonic waves, with application to a selected historical model.
60. Evaluation of the efficiency of disinfection using nanoemulsions of essential oils on microbiologically damaged inks and colored materials on parchmet manuscripts - applied on a historical manuscript.
61. An experimental study for evaluating the efficiency of plasma technology in disinfection of leather binding of manuscripts and historical books, applied on a selected model.
62. Evaluation of removing some common stains from the paper manuscript with leather binding using a new generation of hydrogel-doped nanoparticles -with application on a selected historical object.
63. An experimental study for evaluating the efficiency of using biopolymers in various treatments on historical leather bookbinding and manuscripts - applied on one of the selected models.
64. An experimental study for evaluating some plant extracts and nanomaterials in the consolidation and deacidification of archaeological paper manuscripts - applied on a selected model.
65. green synthesized bio-nanocomposites for application in paper manuscripts conservation.

**E. Participating as a member in master's theses defense committees inside the Arab Republic of Egypt.**

66. Applied study on restoration and conservation of the antique parchment manuscript – applied on Soltan Hossam Al-Din Lajen – Mamluk period – 696 – 698 AH – 1296 – 1298 A.D. Under number 17 – file 3B
67. A scientific study of treatment of the different factors of deterioration effects on oil painting components applied on chosen samples
68. A study in treatment and conservation of wooden doors in Ottoman period "with application on the door of the entrance of Sabeel, kotab and Mosque of Sheik Mottaher".
69. Study of forms of chemical degradation “discoloration, fading and stains” of black and white fiber based photographic prints due to the deterioration of the silver-gelatin emulsion layer “applied on selected objects”
70. Study of forms of chemical degradation “discoloration, fading and stains” of black and white fiber based photographic prints due to the deterioration of the silver-gelatin emulsion layer “applied on selected objects”
71. Experimental and applied studies in conservation of ethnographic organic materials

72. Study on the use of polymers in the treatment and conservation of historical wood – with the application on a carriage at the Royal Carriage Museum.
73. Study of the methods of treatment and maintenance of the manuscripts as compared to the methods of manual and mechanical restoration- as applied to selected models of the research.
74. Technological study of Antique paper maps, their aspects of Deterioration, and proper treatment and conservation methods (Applied on chosen objects).
75. Experimental and applied studies on the treatment and conservation of archaeological Coptic textiles
76. Study of the methods used in detecting forgery of manuscripts and paper documents according to the methods of forgery, with application on a selected object.
77. Treatment, restoration, and conservation of ancient Qurans - applied to some selected models.
78. Experimental and applied studies for evaluating the use of laser technology in removing some stains from organic archaeological artifacts.
79. Study in some chemical changes of deteriorated archaeological wood coatings and evaluation of chosen materials and methods with application on a selected example.
80. Chemical impact study of some consolidation materials on soft archaeological woods - with practical application on a selected archaeological model.
81. A comparative study of book preservation and treatment methods before and after the invention of printing - applied to selected models.
82. Experimental study to evaluate the efficiency of some nanomaterials for consolidating the historical paper maps applied on a selected object.
83. Mechanism of the deterioration of wooden lintels in civil archaeological buildings of Isna City: An experimental study on the treatment and conservation of archaeological wood.
84. Treatment and conservation of wooden statues in museum stores, applied study on an old kingdom wooden statue in Sohag Museum Stores.
85. The effect of light on the physical and morphological properties of ancient linen textiles - an experimental and applied study of treatment and conservation methods.
86. The destructive effect of iron ink on paper manuscripts and methods of treatment and conservation - an experimental study with application on some archaeological manuscripts.
87. Restoration and preventive conservation techniques for human skeletons in Egyptian excavations and museums.
88. Marble papers: the methods of conservation and treatment "an applied study of some selected examples.

89. An experimental study to evaluate the effect of physical gel poultices loaded with some nanoparticles for inhibition fungal growth on the properties of paper manuscripts with application on a chosen object.
90. Experimental Study to Evaluate Some Consolidation Materials on Baskets Made from Plant Fibers, With Application on One of The Selected Objects.
91. Experimental study for the evaluation of materials and techniques used in the treatment of unsuitable old repairs of paper manuscripts and their treatment with the application on a selected archaeological object.
92. Experimental study to assess funori and its derivatives and the applications in the treatment of cellulose substrates manuscripts (physical and chemical).

**F. Participating as a member in master's theses defense committees outside the Arab Republic of Egypt.**

93. The assessment of the education role of the museum of Jordanian heritage at Yarmouk University.
94. Conservation of dyed textile artifacts in Museum of Jordanian Heritage.
95. Involvement of local people in the management of archaeological sites – case study Jerash.

**G. Participating as a member in Ph.D. theses defense committees inside the Arab Republic of Egypt.**

96. Scientific study in chemical treatments to archaeological paper manuscripts with practical application in this field.
97. Study on the treatment and maintenance of archaeological paper manuscripts using modern techniques in examination, treatment, and restoration - applied on one of the archaeological manuscripts.
98. The use of modern techniques in the treatment and preservation of archival materials applied on one of Egypt's Arabic newspapers.
99. The scientific method for reassembling, installing and restoring painted wooden structures, applied to the angel structure at the Monastery of Saint Mina in Fom El-Khalig.
100. Study of structural deficiencies in wooden ceilings of Islamic archaeological buildings and their restoration techniques with application on a chosen ceiling.
101. Evaluation of the role of consolidation materials in the treatment of some types of damaged archaeological wood: an applied study on selected archaeological structures in Upper Egypt.
102. The effect of physicochemical damage factors on the properties of archaeological cotton textiles and methods of treatment and conservation - an experimental and applied study.

103. The effect of the deteriorated painted layer on the layers of selected oil paintings and methods of treating and conserving them, applied on one of the selected oil paintings - an experimental and applied study.
104. Characterization of microorganisms isolated from different archaeological materials and effect of environmental factors on their biological activities
105. Treatment and Conservation of fine arts prints applied to the book of "belozoni's Egypt 1820-1822
106. Evaluation of the efficiency of microbial metabolites in the resistance of microbial deterioration of historical paper manuscripts with leather bindings with application on a selected historical object
107. Usage of chosen non-ionic surfactants for cleaning some archaeological dyed tapestries an experimental study applied on collections at the Museum of Faculty of Arts
108. Experimental Study for Monitoring the Chemical and Physical Changes of Decayed Archeological Bones caused by Surrounding Environmental Conditions and Methods of their Treatment with Application on a Selected Object
109. Experimental study using some Physical methods and Biochemical materials in the Treatment of damaged historical Paper Collection, Applied on selected objects.
110. Experimental and applied study for evaluating the efficiency of using multifunctional composites in the conservation of paper based materials "application on selected objects".

## 7. Workshops:

9/05/2011

11/05/2011

### 1. Workshops from the Quality Assurance and Accreditation Center at Cairo University.

- Institutional assessment and continuous evaluation of the educational process.
- Field visit for educational institutions accreditation.

26/05/2016

### 2. Other workshops

Applied scientific research to entrepreneurship - in collaboration between the Faculty of Agriculture - Cairo University and the National Council for Women - Faculty of Agriculture - Cairo University. Egypt.

2-3/11/2024

### 3. International Workshop: Studies on the Middle Eastern Heritage Science II, Egypt-Japan University of Science and Technology (E-JUST); New Borg El-Arab City, Alexandria, Egypt, 2-3 November 2024.

20/02/2025

### 4. Heritage Science Day – Empowering Science for Cultural Heritage”, Archaeological Museum, Library of Alexandria, Egypt, 2<sup>nd</sup> February 2025.

## 8. Attending Conferences:

**Prof. Gomaa Abdel-Maksoud attended and presented research at the following conferences:**

2. Microorganisms and Soil Life, Agriculture University, Cracow, Poland, 1997.

3. Conference of Quality of Management in Market Economy, Cracow University of Economics, Poland, 1998.
4. ICOM Committee for Conservation, 12th triennial meeting Lyon, 29 August-3 September, France, 1999.
5. Quality for the XXIst Century, 12th IGWT Symposium, Poznań - Gdynia, Poland, 5-11 September 1999.
6. Conference of "Non-Destructive Testing", (15.10.2000 - 21.10.2000), Roma, Italy.
7. The First Conference of the Central Agricultural Pesticide Laboratory, Ministry of Agriculture and land reclamation, 3 – 5 September, Volume 1, 2002.
8. Conference of Alexandria the City of Civilization and Culture “Study in the historical, cultural, archaeological, touristic and Environmental dimensions”, Bibliotheca Alexandrina, 25-27 September 2003.
9. 6<sup>th</sup> Conference of Arabs archaeologists, Cairo, 4-6 October, 2003.
10. The Fourth Conference of the Faculty of Archaeology, Cairo University, Al-Fayoum Branch, Capitals and great cities in Egypt along the history “Studies on history, archaeology, restoration, tourism, geography and environment”, 7-9 April, 2004.
11. Interim Meeting, ICOM Conservation Committee “Recent preoccupations concerning textiles, leather, legislation, Athens, 21-24 April, 2004.
12. ICOM Committee for Conservation, 14th triennial meeting The Hague, 2005.
13. The fifth Conference of the Faculty of Archaeology, Cairo University, Al-Fayoum Branch “The Nile and other water sources along the history” “Studies on history, archaeology and environment”, 2-4 April 2005.
14. The Fourth International Conference in Science and Technology in Archaeology & Conservation, Queen Rania Institute of Tourism and Heritage, Hashemite University, Zarqa and the Department of Antiquities, Amman, Jordan, 7<sup>th</sup> -11<sup>th</sup> December, 2005.
15. International Conference and workshop on conservation and restoration “the future view of conservation and restoration of archaeological areas”, Faculty of Fine Arts, Minia University, April, 2006.
16. International conference on: Challenges in preserving and managing Jordan's Cultural Heritage resources, Yarmouk University, Faculty of Archaeology and Anthropology, Department of Conservation and Management of Cultural Resources, Irbid – Petra, 5-7 December, 2006.
17. 9<sup>th</sup> Arab International Conference on Polymers Science and Technology, 18-22 November 2007 – 10<sup>th</sup> of Ramadan City, Hurghada, Egypt.
18. The General Conference of Arab Archaeologists, which was held at Sohag University from October 18 to 21, 2008.
19. The Sixth International Conference on Science and Technology in Archaeology and Conservation, which was held in Rome, Italy from December 9-13, 2008.
20. The international conference "Labiranth" - Hawara - Fayoum, Cairo University, Faculty of Archaeology, Egypt, 1-2 April 2009.

21. The international conference "Preserving Cultural Heritage" - Architectural Heritage, Manuscripts, and Oral Heritage - which was held at the Supreme Council of Culture from 18-21 October 2009.
22. The Sixth International Chemistry Conference, which was held at the Faculty of Science, Cairo University, from 1-3 March 2010.
23. The first International Conference on Sciences in Ancient Egypt, held at the Center for Scientific Heritage at the Faculty of Science – Cairo University and the Supreme Council of Antiquities, Egypt - from April 24-26, 2010.
24. The first International Conference on "Development of Innovation and Creativity for Traditional, Heritage, and Tourism Industries" was held on April 18-19, 2016 at the Artistic Creativity Center at the Egyptian Opera House in Cairo.
25. The International Italian -Egyptian Symposium on "Technology and Applied Sciences in Conservation of Cultural Heritage", 28-30 January 2025" at Manial Palace Museum and Italian Culture Institute. Cairo, Egypt.
26. The Third International symposium on Bioarchaeology and Biheritage – The International Italian-Egyptian Winter School of Bioarchaeology and Bioheritage “Decoding the Past Symposium), The Faculty of Biotechnology, October University of Modern Sciences and Arts (MSA University), Egypt, 25 February 2025.

**9. General Lectures:** Prof. Gomaa Abdel-Maksoud gave the following lectures:

1. Lecture on the scientific principles of preserving archaeological manuscripts in Malawi area in Minya Governorate - General Administration for Restoration and Conservation of Antiquities - Supreme Council of Antiquities - February 2003.
2. Lecture on Leather Artifact Conservation - Georgian Delegation - Faculty of Archaeology - Cairo University - July 2004.
3. Lecture on non-destructive analytical methods for parchment manuscripts and leather artifacts - Projects Sector - Supreme Council of Antiquities - July - 2005.
4. A lecture on the treatment and conservation of archaeological manuscripts for a delegation from Uzbekistan in 2006.
5. Lecture on Microbiological Deterioration of Historical Buildings – at the Conservation of Archaeological Sites, Historical Buildings, and Museum Collections Center, Faculty of Archaeology, Cairo University. November 2008
6. Lecture on the treatment and conservation of archaeological manuscripts for a delegation from Georgia at the Conservation of Archaeological Sites, Historical Buildings, and Museum Collections Center, Faculty of Archaeology, Cairo University. - November 2008.
7. Lecture within the training course for a delegation from Slovenia entitled: First Aid for Organic Materials in Excavation Areas and Methods of treatment and Restoration - 2009.
8. Lecture in the joint training course between Egypt and Italy from 5-9 December 2009, Short advanced training course on "Paper and painting restoration and conservation". The lecture was titled: "Scientific and technological background on conservation issue of paper artworks".

9. Lecture on analytical techniques used for the evaluation of Qur'anic manuscript conditions as part of the International Workshop on Advanced Technology and Methods for Documenting and Analyzing Cultural Heritage organized by the Center for Documentation of Cultural and Natural Heritage at the Library of Alexandria from June 1-2, 2009.
10. Participation in the workshop between the German DAAD Foundation and Cairo University from 6-7 October 2013.
11. Participation in the conference titled "The Role of UNESCO in Protecting and Combating Illicit Trafficking in Cultural Property" during the period from April 19-21, 2015. This conference was organized by the Egyptian National Committee for Education, Culture, and Science in Cairo.
12. Subscribed to the activities of the third stage program of the Child University, Cairo university, from August 14-31, 2016.
13. Lecture titled "Scientific principles Used in the Treatment and conservation of Manuscripts and Heritage Books" - Cairo International Book Fair - 48th edition - on 3/2/2017 - Al-Azhar Pavilion.
14. Participation in research on "Treatment and Maintenance of Mummies" at symposium titled "Pharaonic Drawings and Ancient Egyptian Writings" held at the Great Cairo Library under the auspices of the Egyptian Ministry of Culture (February 2018). #Research #Egyptology.

## 10. Organizing Conferences:

**Prof. Gomaa Abdel-Maksoud was the coordinator of the following international conferences:**

1. The first international conference "Egypt and the Mediterranean countries" - Faculty of Archaeology - Cairo University - 2014.
2. The First International Conference "Archaeological Sites and Museum Collections: Values, Problem, and Solutions" - Faculty of Archaeology - Cairo University - 2015.
3. The Fifth International Conference "Archaeology and Heritage in a Changing World" Faculty of Archaeology - Cairo University - 2017.
4. The Sixth International Conference on Archaeology and Heritage: Authenticity, Risks, and Challenges" - held at the Faculty of Archaeology - Cairo University from December 2-4, 2018.

## 11. Organizing Symposium:

**Prof. Gomaa Abdel-Maksoud was the coordinator or chairman of the following Symposium:**

1. Coordinator of the scientific symposium titled: "Archaeological Sites in Egypt: Their Importance, Problems, and Preservation Methods," which was held at the Faculty of Archaeology - Cairo University on 23/4/2013.
2. Coordinator of the second scientific symposium "Archaeology and Heritage: Problems and Solutions" held at the Faculty of Archaeology, Cairo University on 15/4/2014.
3. Coordinator of the third scientific symposium "New Perspectives in Archaeology and Their Applications" held at the Faculty of Archaeology - Cairo University on 6/5/2015.
4. Coordinator of the fourth scientific symposium "Pottery and Ceramics through the Ages," which was held at the Faculty of Archaeology, Cairo University on 10/5/2016.



5. Coordinator of the scientific symposium "The Role of the Army in Protecting the Egyptian State Throughout History," held at the Faculty of Archaeology, Cairo University on 17/10/2017.
6. Coordinator of the scientific symposium "Illegal Excavation and Digging for Antiquities: Problems and Solutions", 13/12/2017.
7. Coordinator of the scientific symposium "Inventory, Registration, and Documentation of Archaeological and Heritage Materials in Museums, Storage Facilities, and National Libraries", 6/3/2018.
8. Coordinator of the Scientific Symposium "Wooden artifacts throughout historical eras", 11/4/2018.
9. Coordinator of the scientific symposium "Technical Inspections and Verification of the Authenticity of Archaeological and Heritage Materials in National Museums, Storage Facilities, and Libraries", 22/4/2028.
10. Chairman of the scientific symposium "Museum Education and Community Communication", Faculty of Archaeology, Cairo University, held on October 1, 2018.
11. Chairman of the scientific symposium "The Glories of the Egyptian Army through the Ages" Faculty of Archaeology, Cairo University, held on October 9, 2018.
12. Chairman of the scientific symposium "the dangers of drugs, prevention methods, and treatment options", Faculty of Archaeology, Cairo University, October 22, 2018.
13. Chairman of the scientific symposium "Breast Cancer Awareness", Faculty of Archaeology - Cairo University, November 6, 2018.
14. Chairman of the scientific symposium "The Experience of Building Evacuation During Crises and Disasters" held at the Faculty of Archaeology - Cairo University on November 13, 2018.
15. Chairman of the scientific symposium "Environment, Archaeology, and Heritage" held at the Faculty of Archaeology, Cairo University on November 19, 2018.

## **12. Organizing the cultural season:**

Prof. Gomaa Abdel-Maksoud has organized 31 lectures in various fields of archaeology (Egyptology, Islamic Archaeology, Conservation, and Greco-Roman Archaeology) as the coordinator of the cultural season from the academic year 2012/2013 until the academic year 2018. Additionally, he has conducted some other lectures on excavations and other topics.

## **13. Research projects**

1. Obtaining financial support from the Science and Technology Development Fund (STDF) for the international conference "Archaeological Sites and Museum Collections: Values, Problems, and Solutions," held at the Faculty of Archaeology - Cairo University from 21-24 October 2015, was submitted to the fund (as a conference support project) under 17372.
2. Participation in the project of restoring paper and parchment manuscripts at the Library of Graduate Studies - Faculty of Medicine - Cairo University (1995-1996).
3. I have subscribed to the PAPERTECH project - 6th Framework Program as a scientific researcher for the project and responsible for all practical aspects of the project at Yarmouk University in Jordan. I have attended many seminars held in Italy and Spain as part of this project.

Project Number: INCO-CT-2004-509095.

Project title: [Innovative materials and technologies for the conservation of paper of historical, artistic and archaeological value”

4. I am a member in the project titled: "Searching for human footprints of movement through Africa and its eternal memory: from heritage and science perspective", This project is funded by a Type B grant from Japan International Cooperation Agency (JICA). The time of the project is 1 year started from March 2025 – March 2026.

#### **14. Membership in Scientific Societies:**

1. Member of the Egyptian Society of Analytical Chemistry.
2. Member of the Egyptian Society of Polymers Science and Technology.
3. Member of the Egyptian Society for Biosciences Advancement (ESBA) Formerly: Egyptian German Society of Zoology.
4. Colleague in the Leather and Related Materials Working Group of the International Council of Museums.

#### **15. Participation in committees for research plans and projects at Cairo University.**

Prof. Gomaa Abdel-Maksoud participated in and was involved in the following committees at Cairo University:

- Member of the Humanities Sector Committee to develop the research plan (2012-2017).
- Appointed to the Monitoring and Evaluation Committee for the university's research plan (2012-2017) by the university president's decision No.816 of 2014.
- Member of the committee established by the Vice President of Cairo University for Graduate Studies and Research Affairs (2016-2019).
- Served on the University Libraries Committee at Cairo University for two years following President's decision No. 1570 of 2017.
- Represented Cairo University in the Supreme Council of Universities as part of the Focal Group, providing input on the Academic Achievement File project for faculty members and assistant staff.

#### **16. Participation in the research plans of the Conservation Department and the Faculty of Archaeology, Cairo University.**

Professor Gomaa Abdel-Maksoud played a key role in developing the following research plans:

- For the Conservation Department, Faculty of Archaeology at Cairo University, Egypt. .
- For the Faculty of Archaeology at Cairo University, ensuring it aligned with the institution's standards and strategic objectives.

#### **Contributions to the conservation of archaeological sites, historical buildings, and museum**

The contributions of Prof. Gomaa Abdel-Maksoud at the conservation of archaeological sites, historical buildings, and museum collections center can be summarized as follows:

**collections center at  
the Faculty of  
Archaeology, Cairo  
University.**

1. Director of the Center on January 24, 2012.
2. Delivering a lecture titled "Presentation of Models in Museum Conservation and Archaeological Sites Maintenance" at the national training course on "Enhancing the Capacities of Specialists in Preventive Archaeological Collections, Cultural Resource Management, and Integration into Sustainable Development Plans" organized by the Egyptian National Commission for Education, Culture, and Science in Cairo (UNESCO - ILEXSO - ECESCO) on May 18-19, 2015.
3. Lecture titled "Different Analytical Methods Used with Organic materials" - Chemistry and Archaeology Seminar organized by the Egyptian Society of Analytical Chemistry at the National Museum of Egyptian Civilization - Thursday, April 2, 2015.
4. Lecture on preventive conservation of organic materials, as part of the national training course on "Enhancing the capabilities of specialists in preventive archaeology and cultural resource management and integrating them into sustainable development plans", organized by the Egyptian National Commission for Education, Science, and Culture, on May 18-19, 2015.
5. Lecture titled: Experimental and Applied Studies for the Conservation Treatment of Archaeological Mummies, held at the Center for Cultural Heritage Studies – Kanasi University - Japan, from January 21-26, 2016.

**Awards:**

Prof. Gomaa Abdel-Maksoud has received the following awards:

1. Cairo University Award for Scientific Excellence in Humanities for the year 2013.
2. Cairo University Appreciation Award in Humanities and Education for the year 2020.
3. International Publishing Awards from Cairo University from 2009 to the current year (2025).
4. Winning the supervision award for the best master's thesis in 2013 on the topic of "An experimental study on the efficiency of natural materials used to protect mummies from insect damage, with application to an archaeological mummy".
5. Winning the Best Ph.D. Dissertation Award in 2014 for the topic: "An Experimental Study of Chemical Changes Resulting from Microbiological Deterioration of Archaeological Skins with Evaluation of Some Treatment Materials and Methods - Applied to Selected Models."

**Loans:**

Prof. Gomaa Abdel-Maksoud was loaned to the Faculty of Archaeology and Anthropology at Yarmouk University in Irbid, Hashemite Kingdom of Jordan, from February 1, 2005, to June 7, 2008.

**Quality Unit  
activities at the**

**Faculty of  
Archaeology - Cairo  
University:**

1. Member of the committee formed to evaluate and approve the proposed academic standards reference for the bachelor's program in Archaeological Restoration.
2. Participation in the Continuous Improvement and Qualification for Accreditation Project (CIQAP) at the Ministry of Higher Education, which the Faculty of Archaeology applied for on 26/12/2012, and was obtained in 2013.
3. Head of the Strategic Planning Committee of the Faculty of Archaeology, Cairo University from 2008 to 2012.
4. Participation in developing the criteria for graduate programs at the Faculty of Archaeology according to the indicative models of the National Authority for Quality Assurance and Accreditation in Education.
5. 5. Obtained all external reviewer courses from the National Authority for Quality Assurance and Accreditation in Education.
6. 7. Obtained several quality and accreditation courses from the Quality Assurance and Accreditation Center at Cairo University.
7. 6. Member of the National Authority for Quality Assurance and Accreditation of Education's Academic Reference Standards Committee for the Archaeology sector - which held a meeting on Tuesday, February 20, 2018.

**Board membership:**

1. Member of the Board of the Supreme Council of Antiquities - Ministry of Antiquities - for a period of two years by the decision of the Prime Minister No. 1487 of the year 2013 (first term: two years).
2. Member of the Board of the Supreme Council of Antiquities - Ministry of Antiquities - for a period of two years by the decision of the Prime Minister No. 3274 of 2015 (second term).
3. Member of the Board of the Supreme Council of Antiquities - Ministry of Antiquities - until the end of the current council's formation by the decision of the Prime Minister of the year 2018.
4. Member of the Board of the Supreme Council of Antiquities - for a period of two years starting from January 2020.
5. Member of the Board of the Coptic Museum by the decision of the Minister of State for Antiquities No. 319 of 2013.
6. A member of the Board of Trustees of the Egyptian Heritage Preservation Fund at the Ministry of Antiquities, appointed by Minister of Antiquities Decision No. 124 of 2014.
7. Member of the Board of Directors of the Conservation Center for Antiquities, Historical and Archaeological Buildings, and Museum Collections - Faculty of Archaeology - Cairo University, from 2012 to 2014.
8. Head of the Graduate Studies Committee - Faculty of Archaeology - Cairo University from 2012 until 2018/8/9.

9. Member of the Faculty of Archaeology Council at Cairo University since 2012 until the end of November 2019.
10. Member of the Council of Graduate Studies at Cairo University from 2012 to 2019.
11. Member of Cairo University's council since July 2018 until November 2019.
12. Member of the Liberal Arts and Cultural Center Council in the academic year 2024-2025, at Egypt-Japan University of Science and Technology, New Borg El-Arab City, Alexandria, Egypt.
13. Member of the International Business and Humanities Council in the academic year 2024-2025, at Egypt-Japan University of Science and Technology, New Borg El-Arab City, Alexandria, Egypt.
14. Member of the Research Council in the academic year 2024-2025, at Egypt-Japan University of Science and Technology, New Borg El-Arab City, Alexandria, Egypt.