



## CURRICULUM VITAE

Dr. HUSSEIN HASSAN MAREY H. MAHMOUD



Department of Conservation, Faculty of Archaeology,  
Cairo University, 12613 Giza, Egypt.  
E mail: marai79@hotmail.com

Mob.: (002) 01117964502

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**Date & Place of birth:** 27/1/1979, Qena-Egypt.

**Nationality:** Egyptian.

**Current position:** Lecturer (PhD), Department of Conservation, Faculty of Archaeology, Cairo University, Egypt.

**Language Ability:** Arabic (mother tongue), English & Greek.

### ✚ Certificates:

- 2009 PhD, Interdepartmental Postgraduate Programme on Protection, Conservation and Restoration of Cultural Heritage, Faculty of Engineering, Aristotle University of Thessaloniki, Greece, with grade "Excellent".
- 2005 M.A in Conservation & Restoration of mural paintings, Conservation Dept., Faculty of Archaeology, Cairo University with grade "Excellent".
- 2001 Preliminary year for Master degree.
- 2000 B.A in Conservation and Restoration of Antiquities, Department of Conservation, Faculty of Archaeology, Cairo University, with grade "very good with honor".
- 1996 Secondary school certificate.

### ✚ Work experience:

- 2001-2005 Teaching assistant, Department of conservation, Faculty of Archaeology, Cairo University; teaching courses of conservation of mural paintings and decorated objects for under and postgraduates students.
- 2005-2009 Assistant lecturer, Department of conservation Faculty of Archaeology, Cairo University.
- 31<sup>th</sup> March 2010 Lecturer.

### ✚ Filed Activities:

- 2000-2001 Restoration project of the decorated wooden ceilings of El-Ghuri mosque, Old Cairo.

- 2002-2004** Restoration of the archaeological wall paintings of two Pharaonic tombs (TT277&278), Qurnet Murai, Western Luxor, Upper Egypt in cooperation with the Higher Supreme of Antiquities.
- May 2005** Restoration of the archaeological finds of wall paintings, Excavations of Cairo University at Saqqara area.
- July 2009** Restoration of the archaeological painted fragments discovered at the excavations of Akroteri, ancient Thera, Santorini Island, Greece.

#### **✚ Academic Activities**

- 2011-2012** Member of post-graduation committee at the faculty of Archaeology.
- 2011-2012** Member of cultural relations committee at the faculty of Archaeology.
- 2011-2012** Consultant of the sports committee at the faculty of Archaeology.

#### **✚ Courses & Scholarships:**

- 2001** Course of modern ways for displaying museum objects, organized by ICOM at the Nubian museum at Aswan.
- 2002** Course for TOEFL organized by the department of foreign languages, Faculty of Arts, Cairo University and the AMIDEAST center in Cairo.
- 2004** Course for computer skills, organized by the Universities Egyptian network, Cairo University.
- 2004** Course on Career behaviors organized by Cairo University.
- 2005** The Short Advanced Intensive Course on Conservation of Cultural Heritage, (May 29-June 2), organized by CNR (Italy), National Research Academy (Egypt), Faculty of Engineering and the Faculty of Archaeology, Cairo University, Egypt.
- 2005** Course of Modern Greek language, School of Modern Greek language, Aristotle University of Thessaloniki, Greece.
- 2009** "GRIPHOS" summer project course, the wall paintings of Thera, Santorini Island, Greece, 5-10 July.
- 2009** The 3rd Residential Summer School on Conservation Science, Chemical Sciences in Cultural Heritage Preservation, Intensive Programme, organized by the Euro Mediterranean Cooperation in Research and Education, Chemistry and Culture and the working group on chemistry and cultural heritage, European Chemistry Thematic Network, European Commission, Department of Chemistry, Aristotle University of Thessaloniki July 19 to 31.
- 2009** Testing English for Specific Purposes in Science (TESPIS), "Conservation Science", the Euro Mediterranean Cooperation in Research and Education.
- 2009** EChemTest on Cultural Heritage Preservation, developed by the European Chemistry Thematic Network (ECTN) Association.
- 2005-2009** Scholarship for PhD study, State Scholarships Foundation (IKY), Greece.

- 2009 Course of Quality Standards in Teaching, Faculty and Leadership Development Center (FLDC), Cairo University.
- 2009 Course of Research Team Management, Faculty and Leadership Development Center (FLDC), Cairo University.
- 2009 Course of Skills of Affective presentation, Faculty and Leadership Development Center (FLDC), Cairo University.
- 2009 Course of Skills of Affective Teaching, Faculty and Leadership Development Center (FLDC), Cairo University.
- 2009 Course of Management of Time and Meetings, Faculty and Leadership Development Center (FLDC), Cairo University.
- 2010 One day seminar on: The effect of the impact factors of journals, central library of Cairo University.
- 2012 Post-doctoral grant offered by the French government via the cultural section of the French Embassy at Cairo for three months at Le Centre Interdisciplinaire de Conservation et Restauration du Patrimoine (CICRP), Marseille, France.

**✚ Research projects:**

- 2011 Principal Investigator (PI) of a project for a period of 18 months entitled: **“Evaluation of some nanomaterials utilization for the safeguard of the cultural heritage in Egypt”** with collaboration with Department of Mining, Petroleum and Metallurgy, Faculty of Engineering, Cairo University funded by the General Administration of Scientific Research, Cairo University.

**✚ Conferences Activities:**

- 2005 The 1<sup>st</sup> Conference of the Development and Preservation of Cites and Cultural, Tourist Sites, Luxor, Egypt, May 3-6.
- 2006 The 5<sup>th</sup> Aegean Analytical Chemistry Days (AACD),Thessaloniki, Greece, October 3-8.
- 2008 The 1<sup>st</sup> conference of Faculty of Archaeology, Cairo University (Giza through ages), Cairo, Egypt, March 3-6.
- 2008 The 37<sup>th</sup> International symposium of Archaeometry, Siena, Italy, May 12-16.
- 2008 The 14<sup>th</sup> European Microscopy Congress, Aachen, Germany, September 1-5.
- 2009 The 4<sup>th</sup> International Congress "Science and Technology for the Safeguard of Cultural Heritage of the Mediterranean Basin" Cairo, Egypt, December 6-8.
- 2010 The 8<sup>th</sup> International Symposium on the Conservation of Monuments in the Mediterranean Basin, Monument Damage Hazards and Rehabilitation Technologies, 31 May-2 June, Patras, Greece.

2012 The 10th Biennial International Conference of the Infrared and Raman Users Group 28-31 March 2012, Barcelona, Spain.

✚ **Publications and Research:**

- 1- **Hussein H. M. Mahmoud.**, Scientific evaluation of treatment strategy of painted plaster layers applied on stone supports–applied on one of the New Kingdom Nobles tombs-Western bank, Luxor, M.A. thesis, Department of conservation, Faculty of Archaeology, Cairo University, **2005**, with grade "Excellent".
- 2- **Hussein H. M. Mahmoud.**, Study of the chromatic changes of the ancient pigments in some wall paintings in Egypt and the procedures of conservation, PhD. thesis, Faculty of Engineering, Postgraduate Interdepartmental Program on: Protection, Conservation & Restoration of Cultural Monuments, Aristotle University of Thessaloniki, Greece, **2009**, with grade "Excellent".
- 3- **Hussein H. M. Mahmoud.**, The modern methods to preserve the mural paintings of the tombs of western Luxor, The first conference of the development and preservation of cites and cultural, tourist sites, Luxor, Egypt, May 3–6, **2005**.
- 4- **Hussein H. M. Mahmoud.**, Analytical characterization of some ancient Egyptian wall paintings with remarks on degradation patterns and methods of conservation, The 5th Aegean Analytical Chemistry Days (AACD), Thessaloniki, Greece, October 3–8, **2006**.
- 5- **Hussein H. Marey Mahmoud.**, Mona F, Ali., N. Kantiranis., A.N Anthemidis and John A. Stratis., Identification of some ancient Egyptian pigments in painted limestone block from Cairo University excavations at Saqqara area, The first conference of faculty of Archaeology, Cairo University (Giza through ages), Cairo, Egypt, March 3–6, **2008**.
- 6- E. Pavlidou, **H. Marey Mahmoud**, E. Roumeli, F. Zorba, K.M. Paraskevopoulos and M.F. Ali., Identifying pigments in the temple of Seti I in Abydos (Egypt)., 14th European Microscopy Congress, Aachen, Germany, September 1–5, **2008**, Volume 2: Materials Science, Editors: Richter, S and Schwe., Springer-Verlag Berlin Heidelberg, pp. 829–830.
- 7- **Hussein Hassan Marey Mahmoud.**, N. Kantiranis and John A. Stratis., Scientific examination of the state of conservation of the painted ceilings of the mortuary temple of Seti I, western Luxor, Proceedings of the 4th International Congress "Science and Technology for the Safeguard of Cultural Heritage of the Mediterranean Basin" Cairo, Egypt, December 6–8, A. Ferrari (ed.), Vol. II, **2009**, pp. 312–316.
- 8- **Hussein Hassan M. Mahmoud.**, Examination of some inorganic pigments and plaster layers from excavations at Saqqara area, Egypt: Optical microscopy and SEM-EDS microanalysis, *e-conservation Magazine*, 12, **2009**, 38–46.

- 9- **Hussein H. M. Mahmoud.**, N. Kantiranis and John A. Stratis., Mineralogical Characterization of the Weathering Crusts Covering the Ancient Wall Paintings of the Festival Temple of Thutmosis III, Karnak Temple Complex, Upper Egypt, *Proceedings of the 37<sup>th</sup> International symposium of Archaeometry*, Siena, Italy, **2011**, 1<sup>st</sup> ed., Turbanti-Memmi, I (ed.), Springer, pp. 261–266.
- 10- **Hussein H. M. Mahmoud.**, N. Kantiranis., John A. Stratis and E. Pavlidou., Scientific Characterization of Roman Age Over-Paintings at Luxor Temple, Upper Egypt: Preliminary Results, *Proceedings of the 37<sup>th</sup> International symposium of Archaeometry*, **2011**, 1<sup>st</sup> ed., Turbanti-Memmi, I (ed.), Springer, pp. 267–272.
- 11- **Hussein Hassan M. Mahmoud.**, Mineralogical and Spectroscopic Characterization of Some Products Resulting from the Weathering Process on the Tomb of Nakht-Djehuty (TT189), Western Thebes, Upper Egypt, *Conservation Science in Cultural Heritage*, 10, **2010**, 51–70.
- 12- **Hussein Marey Mahmoud.**, Nikolaos Kantiranis and John A. Stratis., Salt Damage on the wall paintings of the Festival Temple of Thutmosis III, Karnak Temples Complex, Upper Egypt. A Case Study, *International Journal of Conservation Science*, 1 (3), **2010**, 132–144.
- 13- **Hussein Hassan Marey Mahmoud**, Archaeometric and petro-mineralogical remarks on damaged Egyptian wall paintings, El-Qurna necropolis, Upper Egypt, *Archeometriai Műhely*, The Hungarian National Museum, **2010**, 2, 149–156.
- 14- **H. Marey Mahmoud.**, N. A. Kantiranis., M. F. Ali and J. A. Stratis., A Preliminary Diagnostic Study of the Chromatic Alterations of the Wall Paintings of the Festival Hall of Thutmosis III, Karnak Temples Complex, Upper Egypt, *Restoration of Buildings and Monuments (Bauinstandsetzen und Baudenkmalpflege)*, Aedificatio Publishers Freiburg, 17 (1), **2011**, 49–60.
- 15- **H. H. Marey Mahmoud.**, M. F. Ali., E. Pavlidou., N. Kantiranis and A. EL-Badry, Characterization of plasters from Ptolemaic baths:new excavations near the Karnak temple complex, Upper Egypt, *Archaeometry*, 53 (4), **2011**, 693–706.
- 16- **Hussein Hassan Marey Mahmoud**, A preliminary investigation of ancient pigments from the mortuary temple of Seti I, El- Qurna (Luxor, Egypt), *Mediterranean Archaeology and Archaeometry*, 11 (1), **2011**, 99–106.
- 17- **Hussein Marey Mahmoud.**, Nikolaos Kantiranis., Mona Ali., John Stratis., Characterization of ancient Egyptian wall paintings, the excavations of Cairo University at Saqqara, *International Journal of Conservation Science*, 3 (3), **2011**, 145–154.
- 18- **H. Marey Mahmoud.**, L. Papadopoulou., Characterization of Coptic Plasters from the Monastery of St. Simeon (Deir Anba Hatre), Aswan, Upper Egypt, *Restoration of Buildings and Monuments*, 18 (2), **2012**, 81–92.

- 19- **H. Marey Mahmoud.**, Morphological, chemical and mineralogical characterization of deterioration products from the tomb of Kheruef (TT192), (Luxor, Egypt), *Periodico di Mineralogia*, 81 (1), **2012**, 131–143.
- 20- **H. Marey Mahmoud.**, Microanalysis of blue pigments from the Ptolemaic temple of Hathor (Thebes), Upper Egypt: a case study, *Surface and Interface Analysis*, 44 (9), **2012**, 1271– 1278.
- 21- **Hussein Hassan Marey Mahmoud.**, Spectroscopic analysis of wall paintings from the tomb of Thutemheb (TT194), El-Qurna necropolis (Luxor, Egypt), The 10th Biennial International Conference of the Infrared and Raman Users Group 28-31 March 2012, Barcelona, Spain.
- 22- **Hussein Marey Mahmoud.**, The Efficiency of Polymeric Coatings for the Conservation of Ancient Egyptian Wall Paintings, El-Qurna Necropolis, Upper Egypt, *Ge-conservación*, 3 (1), **2012**, 77– 87.
- 23- Fatma Refaat, **Hussein Marey Mahmoud**, Atef A. Brania., Analytical characterization of Rococo paintings in Egypt: preliminary results from El-Gawhara palace at Cairo, *International Journal of Conservation Science*, 3 (4), **2012**, 265–274.
- 24- **Hussein Marey Mahmoud**, Nikolaos Kantiranis, John Stratis., A technical characterization of Roman plasters, Luxor temple, Upper Egypt, *Mediterranean Archaeology and Archaeometry*, 12 (2), **2012**.
- 25- **Hussein H. Marey Mahmoud.**, Complementary techniques for pigment analysis from the festival hall of Thutmosis III, the Karnak temples complex (Luxor, Egypt). *Archeomatica*, Nr. 4, **2012**, 46– 48.
- 26- Ahmed Abo El-Yamin, **Hussein Marey Mahmoud** and Atef Brania., Analytical study of Coptic wall paintings in Egypt, El-Bagawat necropolis, Kharga Oasis: a case study. *Periodico di Mineralogia*. 82, 1, **2013**, DOI: 10.2451/2013PM00.
- H. H. Marey Mahmoud.**, Raman Microscopic Analysis of a Multi-Pigmented Surface from the Theban Tomb (TT277), Luxor, Egypt. *ACTA PHYSICA POLONICA A*, 123 (4), **2013**. DOI: 10.12693/APhysPolA.123.TEMP-7986.

#### 🚧 Areas of interest:

- Application of modern analytical techniques ( $\mu$ -XRF,  $\mu$ -Raman and  $\mu$ -FTIR spectroscopy, etc.) in the field of analysis and diagnosis of mural paintings.
- Nanotechnology for the conservation of cultural heritage.