

Curriculum Vitae



Biodata:

Name: Maisa Mohamed Ali Mohamed Mansour

Family Name: Mansour

Sex: Female

Date of Birth: 1/4/1969

Nationality: Egyptian

Mobile No.: 01225118421

E-mail: maisamansour_40@yahoo.com

Language: English, Arabic

Present Job: Professor of Microbiology

Specialization: Biodeterioration and preservation of Archaeological Materials

Employment History:

- Current Position: March 2019, Professor of Microbiology, Department of Conservation, Faculty of Archaeology, Cairo University.
- 2014-2019, Associate Professor, Faculty of Archaeology, Cairo University.
- 2009-2014, Lecturer of Microbiology and Biodeterioration of Archaeological Materials, Conservation Department, Faculty of Archaeology, Cairo University.

Training background:

- New Techniques in Documentation of Heritage (GPS-Total Station –Laser Scanning)
- Scientific Research Code of Ethics
- Effective Presentation Methods
- Quality Standards.
- Course Specification
- Electron Microscopy in Diagnostic Fields, 3rd training course, Electron Microscope Lab. FARB
- Documentation Techniques in Cultural Heritage Concepts, 3D Laser Scanning, GPS – GIS and NDT
- Scientific writhing.
- Identification of fungi, Tokyo- Japan.
- Isolation of Algae, Hiroshima - Japan.
- Effect of microorganism on cultural heritage, Osaka-japan

Professional activities:

- **December 2011 – January 2012** Visiting Scholar for commencing scientific research activities at the Institute for Conservation and Restoration of Cultural properties, Kansai University, Japan,
- Microbiology Laboratory Moderator, Department of Restoration - Faculty of Archaeology - Cairo University.
- Member of the Committee on Open and preview the case of manuscripts and rare books in the University of Cairo.
- Member of the Committee on Supervision of some laboratory experiments Microbiology. House Books 2013.
- Member of the Centre for the global study of cultural heritage and cultural. Kansai University.
- Team member in the project of Conservation of cultural heritage between Japan, Egypt, Poland and Bahrain Kingdom.
- Member of organizers of The International Meeting on Sakkara
- Editorial Board Members of SCIREA Journal of Biology
- Editorial Board Members of SCIREA Journal of Safety Science and Technology

Publications:

1. Mohamed, W.A., **Mansour, M.M.A.**, Salem, M.Z.M. (2019). Lemna gibba and Eichhornia crassipes extracts: Clean alternatives for deacidification, antioxidation and fungicidal treatment of historical paper. Journal of Cleaner Production.219,pp: 846-855.
2. Salem, M.Z.M., **Mansour, M.M.A.**, Elansary, H.O. (2019). Evaluation of the effect of inner and outer bark extracts of sugar maple (Acer saccharum var. saccharum) in combination with citric acid against the growth of three common molds. Journal of Wood Chemistry and Technology. Pp: 136-147
3. Harby E. Ahmed, Mustafa Abu El Fadl, Mohammed Kasem, **Maisa M.A. Mansour** (2018) An Extensive study of Examination, Restoration, and Display of a rare Historical Costumes, Practical application .Journal of Textile Science & Fashion Technology -accepted.

4. **Mansour M.M.A.** (2018). Impact of Storage Conditions on Biodeterioration of Ancient Egyptian Child Mummies by Xerophiles fungi. *Egyptian Journal of Archaeological and Restoration Studies*. Volume 8, Issue 2, pp: 97-107.
5. **Mansour M.M.A.** (2018). Biological deterioration found in Barbar Temple and Suggested countermeasures .final report comprehensive global studies for conservation and utilization of Cultural Heritage. 199.213.
6. Hamed, S. A. M., **Mansour M.M.A.** (2018). Comparative Study on Microorganism Changes In Wood Due To Soft-Rot Fungi And Surface Mold. *Scientific Culture*. 4: 35-41.
7. Hassan, R.R.A and **Mansour M.M.A.** (2018) A microscopic study of paper decayed by *Trichoderma harzianum* and *Paecilomyces variotii*. *Journal of Polymers and the Environment (JOOE)*. 26:2698–2707 I F:1.87
8. Ali, M.F., **Mansour M.M.A.**, Mohamed, N.B., and Salem, M.Z.M. (2018). A study of biodeterioration and chromatic alterations of painted and gilded mummy cartonnage at the Saqqara Museum Storeroom, Egypt. *Archaeometry*, 60: 845–858. DOI: [10.1111/arcm.12340A](https://doi.org/10.1111/arcm.12340A) (IF: 1.47).
9. **Mansour, M.M.A.**, Adel I.M. Akarish, Hassan, R.R.A and Ahamed S. A. Shoeib (2017). Analytical study of deteriorated Pharaonic textile from mummified burials – Saqqara. Center for the Global Study of Cultural Heritage and Culture, Kansai University, 2:17-26.
10. **Mansour, M.M.A.**, Hassan, R.R.A., and Salem, M.Z.M. (2017). Characterization of historical bookbinding leather by FTIR, SEM-EDX and investigation of fungal species isolated from the leather. *Egyptian Journal of Archaeological and Restoration Studies*, 7(1):1-10.
11. Salem M.Z.M., **Mansour, M.M.A.**, Mohamed, W.S., Ali, H.M., and Hatamleh, A.A. (2017). Evaluation of the antifungal activity of treated *Acacia saligna* wood with Paraloid B-72/TiO₂ nanocomposites against the growth of *Alternaria tenuissima*, *Trichoderma harzianum*, and *Fusarium culmorum*. *BioResources* 12(4): 12(4), 7615-7627. DOI: [10.15376/biores.12.4.7615-7627](https://doi.org/10.15376/biores.12.4.7615-7627) (IF: 1.334).
12. **Mansour M.M.A.**, Nasser R.A., Salem, M.Z.M., Ali, H.M., and Hatamleh, A.A. (2017). Study the mold invasion on the Surface of wood/polypropylene composites Produced from aqueous pretreated wood particles, Part 2: *Juniperus procera* wood-branch. *BioResources*, 12(2):4187-4201. DOI: [10.15376/biores.12.2.4187-4201](https://doi.org/10.15376/biores.12.2.4187-4201)
13. Nasser R.A., **Mansour M.M.A.**, Salem, M.Z.M., Ali, H.M., and Aref I.M. (2017). Study the mold invasion on the surface of wood/polypropylene composites produced from aqueous pretreated wood particles, Part 1: Date Palm Midrib. *BioResources*, 12(2):4078-4092. DOI: [10.15376/biores.12.2.4078-4092](https://doi.org/10.15376/biores.12.2.4078-4092)

14. **Mansour M.M.A.** (2017). Effects of the Halophilic fungi *Cladosporium sphaerospermum*, *Wallemia sebi*, *Aureobasidium pullulans* and *Aspergillus nidulans* on halite formed on sandstone surface. *International Biodeterioration & Biodegradation*, 117 289-298. (IF:3.56)
15. Moussa, A, EL-Kotkot, M., **Mansour, M.M.A.**, (2016). Study the role played by bacteria growth and their enzymatic activity in the deterioration cycle of frescoes in the church of St.Mercurius (Abo Sefein), Cairo- Egypt. *Al- Azhar j. of Agricultural Science Sector Research* vol.26 pp.357-366.
16. Noshyutta, W., Osman, E., **Mansour M. M.** (2016). An Investigation of the Biological Fungicidal Activity of Some Essential Oils Used AS Preservatives for A 19TH Century Egyptian Coptic Cellulosic manuscript. *International Journal of Conservation Science*, 7 (1) :41-56
17. Salem, M.Z.M., Zidan, Y.E., **Mansour, M.M.A.**, El Hadidi, N.M.N., Abo Elgat, W.A.A. (2016). Evaluation of usage three natural extracts applied to three commercial wood species against five common molds. *International Biodeterioration & Biodegradation*, 110C:206–226. DOI: [10.1016/j.ibiod.2016.03.028](https://doi.org/10.1016/j.ibiod.2016.03.028)
18. **Mansour, M.M.A.**, Abdel-Rahim, N.S., Salem, M.Z.M. (2016). Study of the Biodeterioration of some colored glasses by *Stemphylium botryosum*. *Current Science International*, 5(2):119–129.
19. El-Derby, A.A.O.D., **Mansour, M.M.A.**, and Salem, M.Z.M. (2016). Investigation the microbial deterioration of sandstone from the Osirion's sarcophagus chamber as affected by rising ground water level. *Mediterranean Archaeology and Archaeometry*, 16(1):273–281. DOI: [10.5281/zenodo.46360](https://doi.org/10.5281/zenodo.46360)
20. Salem, M.Z.M., Zidan, Y.E., **Mansour, M.M.A.**, El Hadidi, N.M.N., and Abo Elgat, W.A.A. (2016). Antifungal activities of two essential oils used in the treatment of three commercial woods deteriorated by five common mold fungi. *International Biodeterioration & Biodegradation*, 106(C):88–96. DOI: [10.1016/j.ibiod.2015.10.010](https://doi.org/10.1016/j.ibiod.2015.10.010)
21. **Mansour, M.M.A.**, Salem, M.Z.M., and Shoeib, A.S.A. (2015). Study the degradation of cellulosic fiber by four common fungi: Chromatic alterations and SEM examination. *Center for the Global Study of Cultural Heritage and Culture, Kansai University*, 3:99–110.
22. **Mansour M.M.A.**, Salem M.Z.M., Khamis M.H., and Ali H.M. (2015). Natural durability of *Citharexylum spinosum* and *Morus alba* woods against three mold fungi. *BioResources*, 10(3):5330-5344. DOI: [10.15376/biores.10.3.5330-5344](https://doi.org/10.15376/biores.10.3.5330-5344)
23. **Mansour, M.M.A.**, Salem M.Z.M. (2015). Evaluation of wood treated with some natural extracts and Paraloid B-72 against the fungus *Trichoderma harzianum*: Wood

elemental composition, *In-vitro* and application evidence. *International Biodeterioration & Biodegradation*, 100C:62-69. DOI: 10.1016/j.ibiod.2015.02.009

24. **Mansour, M.M.A.**, Abdel-Megeed, A., Nasser, R.A., and Salem, M.Z.M. (2015). Comparative evaluation of some woody trees methanolic extracts and Paraloid B-72 against phytopathogenic mold fungi *Alternaria tenuissima* and *Fusarium culmorum*. *BioResources*, 10(2):2570-2584. DOI: 10.15376/biores.10.2.2570-2584
25. Salem, M.Z.M., Ali, H.M., **Mansour, MM.** (2014). Fatty acid methyl esters from air-dried wood, bark, and leaves of *Brachychiton diversifolius* R. Br: antibacterial, antifungal, and antioxidant activities. *BioResources*, 9(3):3835-3845.
26. Sawsan. S. Darwish , Nesrin M.N. EL Hadidi, **Maisa Mansour**(2013) The effect of fungal decay on ficus sycomorus wood. *International journal of conservation science*. Volume 4, Issue 3, 2013, Pages 271-282
27. **Maisa M. Mansour**, (2013) Proactive investigation using fungicide and bioagents for preservation of Egyptian stone sarcophagus. *Journal of Applied Sciences Research*, 9(3): 1917-1930.
28. **Mansour M.**, A. Ezz El-Din, H.(2012).Occurrence of fungi on some deteriorated ancient Egyptian materials and their controlling by ecofriendly products, 2012, Submitted. *Egyptian Journal of Archaeological and Restoration Studies "EJARS"* Volume 2, Issue 1, Dec-: PP: 90-101
29. Ahamed S. A. Shoeib, Adel I.M. Akarish, **Maisa M. Mansour**, Suita, H, Tsuchida, T, (2012)."Studies on the Monumental stone blocks of Bahbit el-Hagar Temple, Middle Delta, Egypt", *Semaway Menu*, V. 4, PP:23-41.
30. Moussa, A, **Mansour, M.** & Ayed, N. (2012).STUDY THE ROLE PLAYED BY FUNGAL GROWTH IN THE DETERIORATION OF LIME MORTARS, AN EXAMPLE FROM TUNISIA, *Egyptian Journal of Archaeological and Restoration Studies "EJARS"* Volume 2, Issue 1, June - PP:39-44
31. Bakr, A., and **Mansour, M.**,(2010). The Role of inappropriate Outdoor Exhibition in Biodeterioration of an Archaeological Limestone Water Duct approved by Union of Arab Archaeologists, V. 2 , PP. 1-21
32. Hassan, M.S., Ismail, T.I.M., **Mansour, M.M.**, Sherief, M., Abdou, M.S.S. (1997).Effect of stimulating cyclic guanosine monophosphate (cGMP) pathway on bovine sperm parameters. *Reproduction in Domestic Animals*. Volume 32, Issue 3, , Pages 167-169

Research Advisor and Judge:

1. The Effect of Microorganisms (Bacteria and Fungi) in the Corrosion of Excavated Bronze Objects, Their Treatment and Conservation, With Practical Application on a Selected Object. submitted by **Eid Nage Martach** Faculty of Archaeology, Cairo University Master Degree (2019)
2. Experimental study on the evaluation of Nano-materials used in the treatment and conservation of microbiologically infested archaeological hardwoods (With the application on a selected object)” submitted by **Kareem Mohamed El Sayed Ahmed** Faculty of Archaeology, Cairo University Master Degree (2018)
3. Scientific Study to technical and Treatment and Restoration the Historical Stamps with Application on a Selected Object. submitted by **Mohamed Mahmoud Allam Slem** Faculty of Archaeology, Cairo University, Master Degree(2018)
4. Experimental and comparative study for consolidation of carved limestone archaeological extracted from high humide soil enriched with microorganisms using Acrylic polymers and Nano polymers applied on some extracted models from excavation of Oun city in Mataria – Cairo Submitted by **Sahar Ramadan Mohamed Mostafa**. Faculty of Archaeology, Cairo University, Master Degree(2018)
5. Study the Effect of Termite on the Deterioration of Murals Painting Executed on Mud Brick Support and Methods of Disinfections Applied on one of Beer El shghala Tombs –El Waddiy EL Gidead (Dakhla Oasis) A thesis by **Esraa Mahmoud Abd El –Monam**. Faculty of Archaeology, Cairo University, Master Degree(2018)
6. Comparative, Practical, Applied Study Of Biodeterioration Inhibition Methods Can Use In Both Museum Stucco Carvings and in Open area, by **Mona Al Said Shata**, Faculty of Archaeology, Cairo University, Master Degree (2017).
7. An experimental Study on the evaluation of the effect of microorganisms and non ferrous corrosion on archaeological wood, with the application on old weapons” **Wael Abd El Basset**; Faculty of Archaeology, Cairo University, Ph.D (2015)
8. Study of Microbiological Deterioration Effect on Icons in some Egyptian Churches and its Treatment and Conservation Methods Applied on one of Selected Object"By **Mahmoud Hassan Mohammed El-Behairy**. Faculty of Archaeology, Cairo University Master Degree(2012)

Theses in progress:

1. **Salwa Omar** (2018) An experimental study to evaluate the effect of physical gel poultices loaded with some nanoparticles for the inhibition fungal growth on the

properties of paper manuscripts with application on a chosen object. Faculty of Archaeology Cairo University.

2. **Hadeer Mamdouh** (2018) Experimental Study for Monitoring the Effect of Ecofriendly Disinfection Methods on the Fungal Deterioration of Albumen Prints, Applied on a Selected Object. Faculty of Archaeology Cairo University.
3. **Esraa Mahmoud Abd El –Monam**(2018). Experimental study to assess using the halophilic fungi for treatment the wall painting, applied on the selected object. Faculty of Archaeology Cairo University
4. **Baha Faweth Ahmed** (2014) Study of the effect of Microbiological deterioration on archaeological museums papyri Libraries and Egyptian ways Alajaa and methods of Restoration and Conservation. With Practical Applied on a Selected Object. Faculty of Archaeology Fayoum University
5. **Sabrin Mohamed** (2014) Study the effect of Microbiological deterioration on stained glass in the historic buildings and methods of Restoration and Conservation. With Practical Applied on a Selected Object. Faculty of Archaeology, Cairo University.
6. **Aya Tathy Mohamed** (2017) Experimental study comparing the effect of different Egyptian environments on the growth of fungus on the archaeological wood with the application on a selected object. Faculty of Archaeology, Cairo University.
7. **Ebrhim Mohmed Saleam** (2014). An experimental study of the microbiological spoilage of paper banknotes with practical application of novel preservation and display particular applied on selected objects. Faculty of Archaeology, Cairo University.
8. **Nagla Mohamed Mostfa** (2014). Experimental and practical Study in: Evaluation of the impact of the materials used in resisting the microbiological damage on Textiles banners, flags and Royal emblems. Faculty of Archaeology, Cairo University.
9. **Shrihan Mohamed Mohamed Amin** (2014). Inhibition of fungi and bacteria growth from painted brick domes using silver nano particles applied on one of the selected models (delta). Faculty of Archaeology, Cairo University
10. **Nagla Fathye Mostafa**(2013). Studies of restoration and conservation temple (Baet ELWaley) in island" KALABSHA" .From effects of Biodeterioration . faculty of archaeology south valley, university channel
11. **Karim Mohamed Ahmed** (2013). A Study for the Technology and Deterioration Factors of Mural paintings decorated with gold and silver foil and methods of Restoration and Conservation with application on one of the selected objects Faculty of Archaeology, Cairo University

12. **Bothane Mohamed Ibrahim** (2013). An Experimental Study on Treatment and Conservation of Iron Artifacts Using Halophilic Fungi, With Practical Applied on a Selected Object” Faculty of Archaeology, Cairo University