



**Faculty of Archaeology
Conservation Department**



Cairo University

CURRICULUM VITAE (C.V.)

Prof. Dr. YASER YEHYA AMIN ABDEL-ATY

**Full Professor, Conservation Department,
Faculty of Archaeology, Cairo University.
(Ph.D. in Structural Conservation of Historic Buildings and
Senior Structural Engineer)**

2021



1. Personal Data:

Name: Yaser Yehya Amin Abdel-Aty

Work Address: Cairo University, Faculty of Archaeology, Conservation department,
Postal Code (12613- *Al-Orman*), Giza, Egypt.

Nationality: Egyptian.

Year of Birth: 1970, Cairo, Egypt.

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yaser_yehya@cu.edu.eg

Languages: Fluent English / Arabic (read, write and listing).

2. Education (Certificates):

1-12-2004 : **Ph.D. Degree** in Architectural and Structural Conservation of Historic Buildings, Cairo University, Faculty of Archaeology, Conservation Department, entitled: '**Analysis and Assessment of Structural Deficiencies in Historical Islamic Religious Buildings from Bahri Mamluk Period and the Possible Scientific Methods for Conservation and Restoration with Application on the "Madrasa of Umm Al-Sultan Sha'ban" in Cairo**'.

Grade: First Grade Honour.

21-7-1999 : **Master Degree** in Architectural and Structural Conservation of Historic Buildings, Cairo University, Faculty of Archaeology, Conservation Department, entitled: '**Structural Analysis of Historical Masonry Islamic Buildings Using Computer Numerical Modelling Techniques with an application on Prince "Sarghatmash" School in Cairo**'.

Grade: Excellent.

1993 – 1995 : **Diploma of Conservation**, Cairo University, Faculty of Archaeology, Conservation Department.

Grade: Excellent (91.5 %).

1987 – 1992 : **B.Sc. Civil Engineering**, Cairo University, Faculty of Engineering, Civil (Structural) Department.

General Grade: Distinction with Honour Degree (85.1%).

Graduation Project: Reinforced Concrete Structures.

Project Grade: Distinction.

3. Academic Experience (Teaching and Research):

24-6-2020 till present: **Full Professor**, Cairo University, Faculty of Archaeology, Conservation Department.

29-4-2012 to 24-6-2020: **Associate Professor**, Cairo University, Faculty of Archaeology, Conservation Department.

6-10-2008 to 12-2-2011: **Assistant Professor**, King Saud University, Faculty of Tourism and Archaeology, Department of Management of Heritage Recourses, Riyadh, Kingdom of Saudi Arabia (KSA).

29-12-2004: **Lecturer** (Assistant Professor) at Cairo University, Faculty of Archaeology, Conservation Department.

1999 – 2004: **Assistant Lecturer** at Cairo University, Faculty of Archaeology, Conservation Department.

1993 – 1999: **Demonstrator** at Cairo University, Faculty of Archaeology, Conservation Department.

4. Experience in Engineering Projects:

1993 – 2004 : Hassan El-Oseily Consulting Engineer Office, **28 Sherif Street, Downtown, Cairo, Egypt** (Structural Design Engineer).

2004 – 2005 : Bena'a Consulting Engineer Group (Prof. Eng. Alaa El-Sayed), **El-Jazaer Street, Maadi, Cairo, Egypt** (Senior Structural Engineer).

2005 – 2008 : Arab Consulting Engineers: Moharram-Bakhoum (ACE), **Structure-2 Group, 2 Champollion, El-Tahrir Square, Cairo, Egypt** (Senior Structural Engineer).

5. Membership:

1992 till Present: **Member of Engineering Syndicate**, Civil Engineering Division.

2012 till Present: **Member of Conservation Department Board**, Faculty of Archaeology, Cairo University.

2012 till Present: **Member of Administrative Board of Conservation Centre for Archaeological and Historical Buildings and Museum Artifacts (CCAHBMA)**, at Cairo University, Faculty of Archaeology.

6. Teaching Courses Experience:

6.1. Courses in Cairo University, Faculty of Archaeology, Conservation Dept.:

- **Structural Analysis of Historical Buildings (1) and (2)**, for 2nd and 3rd Years, Architectural conservation branch (undergraduate), Conservation Dept., Cairo Univ.
- **Architectural Drawings and Surveying**, 2nd Year, Architectural conservation branch (undergraduate), Conservation Dept., Cairo Univ.
- **Working Drawings (1) and (2)**, for 2nd and 3rd Years, Architectural conservation branch (undergraduate), Conservation Dept., Cairo Univ.

- **Architectural Conservation of Historical Buildings**, 3rd Year (undergraduate), Conservation Dept., Cairo Univ.
- **Strength of Materials**, Diploma of Architectural Conservation, Conservation Dept.
- **Documentation of Historic Buildings**, Diploma of Architectural Conservation, Conservation Dept., Cairo Univ.
- **Structural Analysis of Historic Buildings**, Diploma of Architectural Conservation, Conservation Dept., Cairo Univ.
- **Soil Mechanics and Foundations**, Diploma of Architectural Conservation, Conservation Dept., Cairo Univ.
- **Design of Reinforced Concrete Heritage Buildings**, M.A. of Architectural Conservation, Conservation Dept., Cairo Univ.
- **Design of Steel Heritage Buildings**, M.A. of Architectural Conservation, Conservation Dept., Cairo Univ.
- **Structural Analysis of Historical Buildings using Numerical Techniques**, M.A. of Architectural Conservation, Conservation Dept., Cairo Univ.

6.2. Courses at King Saud University, Faculty of Tourism and Archaeology:

- **(253-Her.): Traditional Architectural Heritage at KSA**, 3rd Level.
- **(201-Her.): Culture Tourism**, 3rd Level.
- **(352-Her.): Computer Application for the Management of Heritage Recourses**, 4th Level.
- **(452-Her.): Modern Technology for Heritage Show**, 6th Level.
- **(454-Her.): Conservation and Restoration of Historic Buildings**, 8th Level.
- **(101-Her.): Introduction to Management of Heritage Recourses**, 1st Level.
- **(151-Tor.): Touristic Recourses at KSA**, 1st Level.
- **(302-Tor.): Touristic Festivals**, 2nd Level.

7. Academic Supervision of Postgraduate Students for Master and Ph.D.:

- **Sallam, Ibrahim El-Emam** (2011), **Study of Deterioration Phenomena of Multiple-leaf Masonry Walls of Historical Islamic Buildings and with application on restoration of some selected samples**, Master thesis, Cairo Univ., Faculty of Archaeology, Conservation Dept.
- **Sherief, Mostafa Mahir** (2016), **Study of Structural Deficiencies in Timber Roofs of Historical Islamic Buildings and its restoration techniques with application on a selected sample**, Ph.D. thesis, Cairo Univ., Faculty of Archaeology, Conservation Dept.
- **Amer, Osama A.H.** (2018), **Experimental and analytical studies of structural behavior of multiple-leaf masonry walls under loads and bio-deterioration factors, with application on chosen historical Islamic buildings in Cairo**, Master thesis, Cairo Univ., Faculty of Archaeology, Conservation Dept.
- **Mahmoud, Hassan** (2019), **Study of Structural Deficiencies in Loadbearing Stone-Masonry Walls in Heritage Buildings in Kingdom of Saudi Arabia and their Restoration and Strengthening Methodology– Appling on a selected building**, Ph.D. thesis, Cairo Univ., Faculty of Archaeology, Conservation Dept

- **Al-Qambashawi, Gehaan**, (2020) *A Study of Restoration of Damaged Architectural Elements in Tomb of Prince Titi-Ankh Kim in Saqqara*, Master thesis, Cairo Univ., Faculty of Archaeology, Conservation Dept
- **Shams El-Din, Hind**, (2020) *3D-Computer Numerical Modelling using Heritage Building Information Modelling (H-BIM) Technology for Reconstruction of Damaged Heritage Buildings – Appling on a selected building*, Master thesis, Cairo Univ., Faculty of Archaeology, Conservation Dept.
- **Abdel-Rahman, Taha Ramdan**, (*Study of rehabilitation and adaptive reuse of historical Islamic Palaces, applying to a historical palace in Cairo*), Master thesis, Cairo Univ., Faculty of Archaeology, Conservation Dept., (Registered in 2015 till today).
- **Ali, Mohamed Hosni**, *Comparative study among international codes of architectural restoration of historical buildings to establish Egyptian code proposal for conservation of masonry work, applying on a selected historical building*, Master thesis, Cairo Univ., Faculty of Archaeology, Conservation Dept., (Registered in 2018 till today).
- **El-Saqqa, Islam**, *Study of Structural Behaviour and Deficiencies of Archaeological Domes from Mamluk Period with Restoration Proposals – Applying on a selected dome*, Master thesis, Cairo Univ., Faculty of Archaeology, Conservation Dept., (Registered in 2018 till today).
- **Hassan, Nahla**, *Study and Evaluation of Structural Behaviour of Shallow Stone Domes in Ottoman Mosques and Their Restoration and Strengthening Techniques – Applying on a selected dome in Cairo*, Master thesis, Cairo Univ., Faculty of Archaeology, Conservation Dept., (Registered in 2019 till today).
- **Mossa, Taghreed**, *Analysis of Structural Behaviour of Timber Truss Ceilings in Archaeological Buildings and Their Restoration and Strengthening Techniques – Applying on a selected ceiling in Egypt*, Master thesis, Cairo Univ., Faculty of Archaeology, Conservation Dept., (Registered in 2019 till today).
- **Bahnass, Mohamed**, *Application of Engineering Software in Evaluation of Stone Arches in Mamluk Archaeological Buildings and Their Restoration Techniques –Applying to a selected arch*, Master thesis, Cairo Univ., Faculty of Archaeology, Conservation Dept., (Registered in 2019 till today).
- **Ewais, Doaa**, *Structural Analysis of Stone Vaults in Archaeological Islamic Buildings from Mamluk Period and Their Restoration and Retrofitting Techniques – Applying to a selected vault in Egypt*, Master thesis, Cairo Univ., Faculty of Archaeology, Conservation Dept., (Registered in 2020 till today).

8. Administrative Posts inside Faculty of Archaeology:

Jan. 2012 – Aug. 2013: Vice-Manager of Conservation Centre for Archaeological and Historical Buildings and Museum Artifacts (CCAHBMA), at Cairo University, Faculty of Archaeology.

2012 till Present: Member of Committee of Quality Assurance at Cairo University, Faculty of Archaeology, 'Strategic Plan' criterion.

9. Attendance and Passing Training Courses:

9.1. Language and Conservation Programs:

- 1996:** English Language Course, Cairo University, Open Learning Centre.
- 1998:** Course in Computer Software (Windows, MS Office and Internet)
- 2003 - 2004:** **Scholarship in Aristotle University of Thessaloniki, School of Engineering, Structural Engineering Department, Thessaloniki, Greece.**
- 2004:** English Language Course, preparing for TOEFL test, Cairo University, Faculty of Arts, English Department.
- May 2005:** Short Advanced Intensive Training Course on Conservation of Cultural Heritage, Sponsored by Cairo University – Faculty of Archaeology, National Research Council of Italy (CNR) and Academy of Scientific Research in Egypt, 29 May – 2 June 2005.

9.2. Faculty and Leadership Development Center (FLDC), Cairo University:

- 2-4 / 7 / 2011: **The Credit Hour System.**
- 12-14 / 12 / 2011: **International Publishing of Research.**
- 11-13 / 2 / 2012: **Preparing Competitive Research Projects.**
- 20-22 / 12 / 2012: **Financial and Legal Affairs of University Works.**
- Equalization of Courses attended at KSU in Riyadh:
 - **Skills of Effective Teaching.**
 - **Quality Assurance in Teaching.**
- 8-10 / 1 / 2013: **Strategic Planning program.**
- 19-20 / 8 / 2013: **Exams' Systems and Students' Evaluation.**
- 19-20 / 10 / 2013: **Research Team Management.**
- 29-30 / 10 / 2014: **Application of Modern Technology in Teaching.**
- 18-19 / 12 / 2019: **Critical Thinking.**
- 15-16 / 1 / 2020: **Electronic Interactive Courses.**

10. Participation and Contribution in Conferences and Symposiums:

- **March 2005:** Conduct a lecture entitle: (**New Approaches in Conservation and Restoration of Historical Buildings**), 4th Training course for Commonwealth countries (Kazakhstan), held in Cairo University, Faculty of Archaeology.
- **March 2008:** Conduct a lecture entitle: (**Study of structural stability and conservation approaches for arcades in historical mosques in Cairo**), 1st International Conference of Faculty of Archaeology, Cairo University entitle (Giza through ages), 4-6 March 2006, Giza, Egypt.
- **Dec. 2010:** Conduct **Four** lectures at course entitle (**Conservation of Historical buildings and sites**), King Saud University, Faculty of Tourism and Archaeology, Department of Management of Heritage Recourses, Riyadh, Kingdom of Saudi Arabia (KSA).

- **Jan. 2011:** Conduct a lecture at course entitle ([Proposal for planning and revitalization of Dadan site in KSA to be open museum](#)), King Saud University, Faculty of Tourism and Archaeology, Department of Management of Heritage Recourses, Riyadh, Kingdom of Saudi Arabia (KSA).
- **Sept. 2012:** Conduct **two** lectures at course entitle ([Documentations of heritage and monuments using new technologies](#)), held in Cairo University, Faculty of Archaeology, 16-18 Sept., 2012.
- **Oct. 2012:** Conduct a lecture at Emergency meeting to study approaches for rescue heritage in Aleppo, Syria, entitle ([Documentation of architectural heritage in Aleppo using latest technologies as an approach for rescue and conservation](#)), held in Cairo University, Faculty of Archaeology, 1 Oct., 2012.
- **I have attended all educational activities and short-symposium held in Cairo University, Faculty of Archaeology during the period from 2012 till today.**

11. Publications:

- [Yaser Yehya Abdel-Aty](#), Hassan S. Mahmoud, Abdalnaser A. Al-Zahrani (2020) **Experimental Evaluation of Consolidation Techniques of Fossiliferous Limestone in Masonry Walls of Heritage Buildings at Historic Jeddah, Kingdom of Saudi Arabia**, Advanced Research in Conservation Science (ARCS), Vol. 1, Issue 1, 31-52.
- Osama Amer, [Yaser Abdel-Aty](#), Mohamed Abd El-Hady, Danila Aita, Akram Torkey, Yehia M. Hussein (2020) **Multiscientific-Based Approach to Diagnosis and Characterization of Historic Stone-Masonry Walls: The Mausoleum of Al-Imam Al-Shafi'i, Cairo (Egypt)**, Mediterranean Archaeology and Archaeometry (MAA) Vol. 20, No. 2, (2020) 1-16 (DOI: [10.5281/zenodo.3746944](https://doi.org/10.5281/zenodo.3746944)).
- Abdel-Aty, Y. (2020) **Comparative structural study of innovative strengthening proposals of timber beams in historical buildings in Cairo using two-layered composite system**, Journal of Faculty of Archaeology, Fayoum University (SHEDET), Issue 7, 313-329.
- Abdel-Aty, Y. (2020) **Roles of timber tie-rods to reduce seismic vulnerability of historical buildings in Egypt**, Proceedings of the Institution of Civil Engineers – Structures and Buildings, ICE Publishing, 2020, <https://doi.org/10.1680/jstbu.19.00091> (In press).
- Hend Shams, [Yaser Abdel-Aty](#), Dalila El-Kerdany and Mohamed Abdel-Hady (2019) **Use 3D models to document and reconstruct destroyed archaeological buildings from the ancient documents**, Egyptian Journal of Applied Sciences (ISSN 1110-1571), Vol. 34, 33-47 (www.ejaseg.net).
- Hassan Salah Mahmoud, [Yaser Yehya Abdel-Aty](#), Abdalnaser Abdulrahman Al-Zahrani (2019) **Evaluation of structural behavior and mechanical strength of multiple-leaf masonry walls at Jeddah's heritage buildings under uniaxial compression loads and**

their appropriate strengthening techniques, International Journal of Engineering Sciences & Research Technology (IJESRT), Vol. 8 (2), 150-162, (DOI: 10.5281/zenodo.2566101), (<http://www.ijesrt.com/issues%20pdf%20file/Archive-2019/February-2019/13.pdf>)

- **Abdel-Aty, Yaser Y. A.** (2019) **Structural Evaluation and Retrofitting of Roofed Fountains at the Center of Open Courtyard of Historical Islamic Religious Buildings in Cairo**, Arab Journal for the Humanities, Issue No. 145, (ISSN: 1026-9576) Academic Publication Council, University of Kuwait, pp. 325-345. (<http://search.mandumah.com/Record/959450>).
- **Abdel-Aty, Yaser Y. A.** (2018) **Proposals for Seismic Retrofitting of Timber Roofs to Enhance their In-Plane Stiffness and Diaphragm Action at Historical Masonry Buildings in Cairo**, Journal of Cultural Heritage, Vol. 32, 73–83. (<http://doi.org/10.1016/j.culher.2018.02.005>).
- Amer, O., **Abdel-Aty, Y.**, Hady, M. (2016) **Experimental Investigation on the Mechanical Behaviour of Three-Leaf Masonry Walls under In-Plane Loading**, World Academy of Science, Engineering and Technology, International Science Index, Civil and Environmental Engineering, 10(8), p.1291 (<https://waset.org/abstracts//48229>).
- Maher, M., **Abdel-Aty, Y.**, El-Hadidi, N. (2015) **Study of deterioration and deficiencies of timber roofs at historical Islamic buildings in Cairo, their causes, strengthening and retrofitting techniques, a case study of “Ghanim El-Bahlwan” Mosque**, 4th International “El-Minya” Conservation Conference, Faculty of Fine-Arts, El-Minya Governorate, April 2015, pp. 37-51 (in Arabic).
- **Abdel-Aty, Yaser Y. A.** (2014) **Analytical study for structural behaviour and failure mechanisms of stone columns at Islamic historical religious buildings in Egypt and its retrofitting and restoration techniques**, 2nd Scientific Symposium entitle (Archaeology and Heritage: Problems and solutions), One-day Symposium, Faculty of Archaeology, Cairo University, Cairo, Egypt, 15 April 2014, pp. 40-50 (in Arabic).
- **Abdel-Aty, Yaser Y. A.** (2012) **"Three-Leaf Masonry Walls in Archaeological Islamic Buildings in Cairo and the Use of Embedded Timber Ties in Its Restoration and Retrofit"**, Journal of the General Union of Arab Archaeologists, Vol. 13, Pub. General Union of Arab Archaeologists, the Arab Council for Post Graduate Studies and Scientific Research of the Federation of Arab Universities, Cairo, Egypt, pp. 124-156
- (https://jguaa.journals.ekb.eg/article_2984_5fa1c49648d4e34f2ae5cc4b80de9499.pdf)
- Abdalnaser Al-Zahrani and **Yaser Abdel-Aty** (2012) **Structural Study of Different Proposals for Reconstruction Methodology of Ottoman Citadel of Al-Faqeer at Al-ULA Governorate in KSA to Enhance its Structural Response and Safety Factor Against Earthquake**, Arab Journal for the Humanities, Issue No. 118, Vol. 30, Academic Publication Council, University of Kuwait, pp. 177-207

- **Abdel-Aty, Yaser Y. A.** (2011) **Structural Study and Evaluation of Previous Restoration Work of Mohammad 'Ali Pasha Mosque at the Citadel in Cairo**", Journal of the General Union of Arab Archaeologists, Vol. 12, *Pub.* General Union of Arab Archaeologists, the Arab Council for Post Graduate Studies and Scientific Research of the Federation of Arab Universities, Cairo, Egypt, pp. 174-207
- (https://jguaa.journals.ekb.eg/article_2801_b16a4f780037f0b5fc3d84f0fb45ee6b.pdf).
- Abdulnaser Al-Zahrani and **Yaser Abdel-Aty** (2011) **Architectural Documentation of Al-Faqeer Citadel with study and evaluation of its structural deficiencies and conservation suggestions, AL-ULA Governorate in KSA**, Golf Journal for Heritage and Archaeology, Issue No. 6, 1432 A.H., Riyadh, Kingdom of Saudi Arabia (KSA), pp. 357-406 (in Arabic).
- **Abdel-Aty, Yaser Y. A.** (2010) **Study of timber roof role in the structural stability of arcades in historical Islamic mosques and appropriate restoration techniques with application on Al-Nasir Moh. Ibn Qalawon mosque in Cairo**, First International Conference of Architectural Heritage in Islamic Countries, 23-28 May 2010, General Organization for Tourism and Archaeology, Riyadh, Kingdom of Saudi Arabia (KSA), on CD-Rom (in Arabic).
- Manos, G. C., Soulis, V. J., **Amin, Y.**, Papas, L., Diagouma, A. (2003) **Preliminary Numerical Investigation of The Dynamic Characteristics of Historic Monuments**, The 8th Inter-Build Egypt, Annual International Conference, 6-9 July 2003, Cairo, Egypt.

12. Reviewing Work and membership of Editorial Board of Journals:

- 4 Dec. 2018 to 2020: Appointed as a **reviewer** for **International Journal of Archaeology (IJA)**; ISSN: 2330-7587 (Print); ISSN: 2330-7595 (Online). It is one of **SciencePC** (Science Publishing Group), USA.
- 2019 till present: Editorial board of **Advanced Research in Conservation Science (ARCS)**
- 29 May 2019: Review a manuscript entitled: 'Influence of historic roof structures on the seismic behaviour of masonry structures' for '**Structures and Buildings**' international journal of the Institution of Civil Engineers (ICE).
- 25 April 2020: Review a manuscript entitled: A proposal for the reconstruction of a historical masonry building constructed in Ottoman Era (Istanbul)' for **Journal of Building Engineering** (evisesupport@elsevier.com).

13. Important web-links:

- ORCID: Author ORCID ID "**0000-0002-7471-807x**"
(<https://orcid.org/0000-0002-7471-807X>)
- Mendeley: (<https://www.mendeley.com/profiles/yaser-abdel-aty/stats/>)
- Scholar: (<https://scholar.cu.edu.eg/?q=yaseryehyaamin/>)
- Research Gate: (https://www.researchgate.net/profile/Yaser_Abel-Aty)