

Curriculum Vitae

Contact Information:

Abdelrazek Elnaggar

Professor of Heritage Science at the Faculty of Archaeology, Ain Shams University.

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Academic, Professional and Management Positions:

Academic Positions:

- **Professor of Heritage Science (Feb 2022-present)**
Department of Archaeological Science and Excavations, Faculty of Archaeology, Ain Shams University, Cairo,
- **Senior Scientific Counsellor (2022-present)**
Heritage Science Lab Ljubljana (HSL), Faculty of Chemistry and Chemistry Technologies, University of Ljubljana, Slovenia
- **Professor of Heritage Science (Feb 2022)**
Conservation Department, Faculty of Archaeology, Fayoum University, Egypt.
- **Associate Professor of Heritage Science (March 2021 – Nov 2021)**
Conservation Department, Faculty of Archaeology, Fayoum University, Egypt.
- **Associate Professor of Heritage Science and Founding Coordinator of the Master and Diploma Programs of Heritage Science (Sept 2017 to Feb 2021)**
Egypt-Japan University of Science and Technology (E-JUST), Egypt.
- **Associate Professor of Heritage Science (2016-2017)**
Conservation Department, Faculty of Archaeology, Fayoum University, Egypt.
- **Assistant Professor in Conservation of Cultural Heritage (2011 to 2016)**
Faculty of Archaeology, Fayoum University, Egypt
- **Teaching Assistant in Conservation of Cultural Heritage (2006-2011)**
Faculty of Archaeology, Cairo University (Fayoum Branch), Egypt
- **Demonstrator in Conservation of Cultural Heritage (2001-2006)**
Faculty of Archaeology, Cairo University (Fayoum Branch), Egypt

University Management Positions:

- **Lab Lead for Conservation of Archival Heritage (2021-2022):** Faculty of Archaeology, Ain Shams University, Egypt
- **Founding Director of the Center of Excellence “Research Infrastructure for Heritage Science” (2020/2021)** funded by the Science, Technology, and Innovation Fund Authority STIFA. (EGP 8millions) Egypt-Japan University of Science and Technology (E-JUST), Egypt.
- **Head of the Faculty Development Unit, Liberal Arts and Culture Center (LACC) (2018/2021)**
Egypt-Japan University of Science and Technology (E-JUST), Egypt.
- **Member of the University Council (2017-2019)**
Egypt-Japan University of Science and Technology (E-JUST), Egypt.
- **Secretary General of the Education and Academic Affairs Council (2017 to 2021)**
Egypt-Japan University of Science and Technology (E-JUST), Egypt.
- **Member of the Equipment Committee (2018/2019)**

- Egypt-Japan University of Science and Technology (E-JUST), Egypt.
- **Member of Committee for Undergraduate Programs Entrance Examination**
Egypt-Japan University of Science and Technology (E-JUST), Egypt.
 - **Member of the Sustainable Development Committee (2018 to 2021)**
Egypt-Japan University of Science and Technology (E-JUST), Egypt.
 - **Founding Director of Heritage-Aid Mobile Lab (2014-2017)**
Faculty of Archaeology, Fayoum University, Egypt
 - **Director of Information Technology Unit (IT) (2013/2014)**
Faculty of Archaeology, Fayoum University, Egypt
 - **Director of Management Information System Unit (MIS) (2013)**
Faculty of Archaeology, Fayoum University, Egypt
 - **Faculty Council Member (2015 - 2016)**
Faculty of Archaeology, Fayoum University, Egypt
 - **Department Council Member (2014/2016)**
Conservation Department, Faculty of Archaeology, Fayoum University, Egypt
 - **Head of Questions Banks Unit (2012)**
The Development of Students' Assessment Systems (DSASP), Faculty of Archaeology, Fayoum University, Egypt.
 - **Vice-Director (2011)**
The Development of Students Assessment Systems Unit, Faculty of Archaeology, Fayoum University, Egypt.
 - **Member of Committee (2016-2017)**
For preparing the Strategic Plan of Fayoum University 2015-2020.

Professional Positions:

- **Head of Conservation and Preservation (2016-2017)**
Egypt National Library & Archives, Egypt
- **Member of the Council of Culture and Knowledge (2018/2019)**
Egyptian Academy of Scientific Research, Egyptian Ministry of Higher Education and Scientific Research, Egypt.
- **Secretary-General (2014-2019)**
Egypt National Committee of the International Council of Museums (ICOM), UNESCO, Paris, France.
- **President (2012 to 2018)**
The Arabic Institute for Conservation of Historic & Artistic Works (NGO, Egypt) as regional group of the International Institute for Conservation of Historical and ARTISTIC Works (IIC), London, UK
- **Conservator (2000/2001)**
The Supreme Council of Antiquities, Egypt.
- **Examiner:** Master's in museum studies, Faculty of Tourism and Hotel Management, Helwan University, Cairo, Egypt.

Academic Qualifications: (Degrees and Post-Doctoral Fellowships)

- **Academic Visitor** (July-December 2014), Physics department, Politecnico di Milano, **Italy**.
- **Senior Research Fellow** (April-August 2012), the Metropolitan Museum of Art, Objects Conservation Department, New York, United States (**USA**) .

- **Visiting Researcher** (April 2010- April 2011), Conservation Unit, Paleontology Department, Natural History Museum, London, **UK**.
- **Ph.D.** (2007-2011). Faculty of Archaeology, Cairo University. *The Ph.D. Research was conducted through three years scholarship (2008/2011) in the United Kingdom (UK) at the University College London (UCL), City and Guilds of London Art School and Imperial College.* The scholarship was funded by the Egyptian Ministry of Higher Education and Scientific Research. Thesis: Laser applications in analysis and cleaning of museum objects.
- **Visiting Researcher** (June 2007- Dec 2007), the Institute of Electronic Structure and Laser at the Foundation of Research and Technology-Hellas (IESL- FORTH), Heraklion Crete, **Greece**.
- **Master's degree** (2002-2006). Thesis: Experimental study for treatment of the biodeterioration of Egyptian mummies. Conservation Department, Faculty of Archaeology, Cairo University, **Egypt**.
- **High-Post graduate Diploma** (1year 2008/2009): Comparative studies in conservation cleaning techniques in relation to laser cleaning. Guilds of London Art School & Imperial College and City (**London, the United Kingdom**).
- **BA** (2000) Conservation. Conservation Department, Faculty of Archaeology, Cairo University, Fayoum Branch, **Egypt**.

Scientific Merits:

➤ Membership in International Bodies:

- **Member of** Member of the International Council on Monuments and Sites (ICOMOS), (2022 – present).
- **Member and key person** of Faculty of Archaeology, Fayoum University in the Climate Heritage Network (CHN), <https://climateheritage.org/>
- **Member** (2022 – present)
The American Association of Museums – AMM (USA).
- **Member** (2018 – present)
the Editorial Board of Heritage Science Journal, Springer, USA.
- **Member** (2011 to present)
The Permanent Steering Committee (PSC) of the international "LACONA" conferences (Lasers in the Conservation of Artworks)
- **Member of Disaster Risk Management Committee (DRMC) - (2017-2019)**
The International Council of Museums (ICOM), UNESCO, Paris, France.
- **Assistant Coordinator (2014 – 2019)**
Leather & Related Materials Working Group- International Council of Museums- Conservation Community (ICOM-CC).
- **Member of The International Council of Museums (ICOM) - (2013-2019)**, UNESCO, Paris, France.
- **Member of the International Institute for Conservation of Historical and Artistic Works (IIC)**, London, UK (2010-2015).
- **Founding Member** of the "Shedt" Journal of Faculty of Archaeology, Fayoum University, Egypt, 2014 – to present.
- **Member** of the Topical Society of Laser Sciences (TSLs), Faculty of Science, Cairo University, Egypt. Registration No: 897.

➤ Conferences Chairing, Committees and Membership in International Scientific Journals:

- **Editorial Board Member** of Heritage Science Journal,
<https://heritagesciencejournal.springeropen.com/about/editorial-board>

- **Editorial Board Member** of SHEDT, annual peer-reviewed journal issued by the Faculty of Archaeology, Fayoum University. <https://www.scopus.com/sourceid/21100943382>
- **Member of the Scientific Committee** of the “Children University Forum of Climate Changes” organized by Egypt Academy of Scientific Research and Technology (ASRT), at the COP27 – 2022 UN United Nations Climate Change Conference, 6-18 Nov 2022, Sharm El-Sheikh, Egypt
- **Member of accreditation committee** formed in 2022 by the Archaeology Sector at the Supreme Council of Universities (SCU), Egypt to inspect and accredit the undergraduate programs of the Faculty of Archaeology and Civilized Heritage, Arab Academy of Science, Technology and Maritime (AASTM), Aswan, Egypt.
- **Session Chair:** Nuclear analytical techniques, neutron radiography Archaeology and Cultural Heritage. In: Arab Republic of Egypt-Joint Institute of Nuclear Research (JINR), Russia. 12-14 Sept 2021. Academy of Scientific Research and Technology (ASRT), Egypt
- **Expert Committee Member and Panelist** in the Sustainable Heritage Bidecennial Conference: Strategic Research Questions. UCL Institute for Sustainable Heritage, London, UK, 24 March 2021–25 March 2021.
- **Chair** of the tenth International Conference of Lasers in the Conservation of Artworks (LACONA 10), the American University of Sharjah, Sharjah, United Arab Emirates, 9th – 13th June 2014.
- **Co-Chair** of the Annual Conference of Institute of Archaeology (Forming Material Egypt), UCL, London, UK. 20th -21st May 2012.
- **Coordinator** of the International Conference “The Archaeological Heritage in the Arab World”. 4th -5th April 2016, the Arab League Building (Tahrir, Cairo). Under the auspices of Arab League and in collaboration with ISESCO, ICOM Egypt and Bibliotheca Alexandrina.
- **Coordinator** of the National Strategic Agenda (one year) for Reforming the Future of the Egyptian Heritage. In collaboration with Heritage Institutions and experts in Egypt. 2013/2014.
- **Reviewer** for peer-reviewed journals (Studies in Conservation, Heritage Science, Shedt, and Bibliotheca Alexandrina publications).
- **Member** of the archaeological committee (formed by Egyptian Ministry of Antiquities) to assess the restoration works of Church “Abu Serga”, Old Cairo, Egypt.
- **Member** of the Bidding and Organizing Committees to host the General Assembly of the International Council of Museums (ICOM) in Alexandria 2022.

➤ Patents:

- Patent Name: “**Graphene oxide -Coated Glazing for Display of Cellulosic Material in Museums**”. (With Randa Deraz, Ahmed Rashad, Ahmed Abdel-Monaem; Egypt-Japan University of Science and Technology, Egypt). (National Filing at the Patents Office (No. 2021/1305), the Egyptian Academy of Scientific Research and Technology (ASRT). 18/08/2021.

➤ Awards:

- Fayoum University’ Award for Patents, 2018, Egypt.
- The Academy of Scientific Research and Technology Award for "Invention & Innovation in the Field of Archaeology", 2016, Egyptian Ministry of Higher Education and Scientific Research.
- Fayoum University’s Award for Excellence in International Scientific Publication, (7 awards from 2013 to 2020), Egypt.

- Graduated with honour (top student) from the conservation department, Faculty of Archaeology, Fayoum University, 2000, Egypt.

➤ Research Projects:

- **Co-investigator: Research project (2024-2025).** “EU-SEE Forum for intercultural exchange on Sustainable Management of Cultural Heritage - SMACH Forum. Funded by Know-how Exchange Programme (KEP) 2023. In collaboration with Venice International University (VIU), City of Venice, Ss. Cyril and Methodius University in Skopje, University of Belgrade, Sarajevo School of Science and Technology, University of Montenegro. **Budget €40K**
- **Principal investigator (PI): (2023-2025).** The National Network of Science Museums and Centers, funded by the Egypt Academy of Science and Technology (ASRT), **Budget EGP2.5M.**
- **Co-investigator. Ta’ziz Science Cooperations 2023–2025.** In collaboration between Ain Shams University (Egypt), Philipps Marburg University (Germany), American University in Beirut (Lebanon), funded by the DAAD: German Academic Exchange Service. **Budget €360K.**
- **Co-investigator and Member of the Steering Committee (2022-2025):** GREENART – Green Restoration Project, Horizon Europe Framework Programme (Project ID: 101060941). The Project is led by the Consorzio Interuniversitario Perlo Sviluppo Dei Sistemi A Grande Interfase in partnership with Heritage Science Lab Ljubljana (University of Ljubljana, Slovenia) and other 26 partners). **Budget €4.8M.**
- **Principal investigator (PI): (2020).** Development of Research Infrastructure for Heritage Science Center) at Egypt-Japan University of Science and Technology (E-JUST). Funded by the Science, Technology and Innovation Funding Authority (STIFA), within the framework of the (Capacity Building Grants). **Budget: €415K.**
- **Principal investigator (PI): (2020-2021).** The iconographic, textual, and scientific analysis of coffins from el-Hibe in the Egyptian Museum Cairo – towards the restoration and study of an important group of Late Period coffins. Funded by the DAI Kairo - German Archaeological Institute Cairo. In collaboration between the Heritage Science Program at Egypt Japan University of Science and Technology and German Archaeological Institute Cairo. **Budget: €10K.**
- **Principal investigator (PI):** the Italian-Egyptian Bilateral Project “Archaeological Egyptian Heritage and Materials: advances in noninvasive portable spectroscopy and imaging analysis” (2013-2015) within the executive programme of scientific and technological cooperation between the Italian republic and the Arab republic of Egypt. The project is in partnership between the Faculty of Archaeology (Fayoum University, Egypt) and Politecnico di Milano (Italy). Devices selected for the project include luminescence time-resolved and spectrally-resolved imaging cameras, XRF and Raman spectrometers and visible multispectral camera, which provide an insight into material composition and conservation conditions of cultural heritage objects in a non-invasive way. **Budget: \$45K.**
- **The Key Person of Egyptian partner** of SEAHA – EPSRC Centre for Doctoral Training in Science and Engineering in Arts, Heritage and Archaeology based on University College London (UCL), UK (2014). SEAHA – the EPSRC Centre for Doctoral Training in Science and Engineering in Arts, Heritage and Archaeology – is about learning, discovering, innovating and forging new knowledge in the stimulating field of heritage science. Heritage science is about understanding, interpreting, conserving and managing cultural heritage.
- (2015-2017) **Co-investigator:** the bilateral project “The Coptic Papyri in the Egyptian National Library: (Historical and technical study). In partnership between Faculty of

Archaeology, Fayoum Universty (Egypt) and Institut de Recherche et d'Histoire des textes, section Grecque et de l'Orient chrétien (France). Budget: **EGP150K**.

➤ **Publications:**

Books & book chapter:

- 1- Abdelrazek Elnaggar: **The Job Tasks in Museums**. Museum Booklet series "Karrasat Matthafiiia", Issue No.1, Bibliotheca Alexandrina, 2016. Published
- 2- Abdelrazek Elnaggar, Austin Nevin, Marta Castillejo, Matija Strlic. **Proceedings of the Tenth International Conference on Lasers in the Conservation of Artworks (LACONA X)**. Taylor and Francis (Maney Publishing, ISSN 0039-3630). Published.
- 3- Katharina Stövesand and Abdelrazek Elnaggar. The scientific analysis of coffins from El-Hiba in the Egyptian Museum Cairo. in: D. Aston & N. Reeves & N. Strudwick (eds.), Festschrift John H. Taylor, Wallasey 2023 (forthcoming).

Peer-review articles:

1. Elnaggar, A., Said, M., Kraševac, I. *et al.* Risk analysis for preventive conservation of heritage collections in Mediterranean museums: case study of the museum of fine arts in Alexandria (Egypt). *Herit Sci* **12**, 59 (2024). <https://doi.org/10.1186/s40494-024-01170-z>.
2. Ida Kraševac, Jernej Markelj, Abdelrazek Elnaggar and Irena Kralj Cigić. Indoor air pollutants and their seasonal monitoring in European museums. *Heritage Science* (2024) 12:50. <https://doi.org/10.1186/s40494-024-01164-x>
3. Morana Novak, Josep Grau-Bove, Caroline De Stefani, Caroline Checkley-Scott, Ida Kraševac, Irena Kralj Cigić & Abdelrazek Elnaggar. Evaluation and modelling of the environmental performance of archival boxes, part 1: material and environmental assessment. *Herit Sci* **12**, 24 (2024). <https://doi.org/10.1186/s40494-024-01137-0> .
4. Abdelrazek Elnaggar. Nine principles of green heritage science: life cycle assessment as a tool enabling green transformation *Heritage Science* (2024) 12:7. <https://doi.org/10.1186/s40494-023-01114-z> .
5. Abdelrazek Elnaggar, Aya Osama, Ali Mostafa Anwar, Shahd Ezzeldin, Salma Abou Elhassan, Hassan Ebeid, Marco Leona, Sameh Magdeldin. **Paleoproteomic Profiling for Identification of Animal Skin Species in Ancient Egyptian Archaeological Leather using Liquid Chromatography Coupled with Tandem Mass Spectrometry (LC-MS/MS)**. *Heritage Science* (2022)10:182, DOI: 10.1186/s40494-022-00816-0.
6. Abdelrazek Elnaggar & Juri Agresti, Daniele Ciofini, Iacopo Osticioli, Atef Mansour, Salvatore Siano. **Technical Analysis, Laser Cleaning and Numismatic Study of Tarnished Abbasid Silver Dirham from the 4th C A.H. (10th CE)**. *Journal of Islamic Numismatic Center – Egypt*, Issue No. 5 (2022), pp 1 - 14. 10.21608/INCE.2022.296209.
7. Randa Deraz, Ahmed M.R. Fath El-Bab, Ahmed Abdelmoneim, Abdelrazek Elnaggar. **Testing New Graphene Oxide-Coated Glazing for Papyrus Manuscripts in Museums – Part I**. *Surface and Interface Analysis*, Vol 24, issue 2 (2022) 148-155. (Type of paper: Original). (Published). <https://doi.org/10.1002/sia.7031>
8. Hasnaa Ahmed, Gamal Mahgoub, Saleh Mohammed, Abdelrazek Elnaggar. **Archaeometallurgical Characterization and Condition Assessment of Ancient Roman Coins from Egypt**. *Shedet Journal*, 2021. (Type of paper: Original). Published. DOI: [10.21608/shedet.2021.82804.1067](https://doi.org/10.21608/shedet.2021.82804.1067)
9. Beskhyroun, S., Mahgoub, G., El-Rifai, I, Mahgoub. H., Osticioli, I., Nevin, A. & El-naggar A. **Study of the Painted Dome of The Church of Archangel Gabriel, Cairo**. *EJARS*, Volume 9, Issue 1, 2019: pp: 129-140. Doi: 10.21608/ejars.2019.66982. (Type of paper: Original). Published.
10. S Ramadan, G Mahgoub, M S Abdel-Aziz, A Nevin, A Elnaggar. **Study of the Antifungal Effects of Copper-based Pigments and Synthesized Nanomaterial on Mural Painting-deteriorated Fungi in the Egyptian Museum in Tahrir**. *Journal of Architecture, Arts and Humanistic Sciences*, 18, 2019.

https://mjaf.journals.ekb.eg/article_44809_3b064e892079993d1bcf0d9db74994f6.pdf. (Type of paper: Original). Published.

11. Gianluca Pastorelli, Shuo Cao, Irena Kralj Cigić, Costanza Cucci, Abdelrazek Elnaggar, Matija Strlič. **Development of dose-response functions for paper degradation by multivariate regression**. *Polymer Degradation and Stability*, Volume 168, 2019, 108944. doi.org/10.1016/j.polymdegradstab.2019.108944. (Type of paper: Original). Published.
12. Eman H. Zidan, Sara Mosca, Sara Bellei, Tommaso Frizzi, Michele Girona, Ibrahim El-Rifai, Hend Mahgoub, Sabah Sadik, Mohamed Gamal Rashed, Iacopo Osticioli, Salvatore Siano, Gianluca Valentini, Abdelrazek Elnaggar, Austin Nevin, Daniela Comelli. **In-situ imaging, elemental and molecular spectroscopy for the analysis of the construction and painting of a late period coffin at the Egyptian Museum of Cairo**. *Measurement* 118(2018), pages 379-386. <https://doi.org/10.1016/j.measurement.2017.11.055>. (Type of paper: Original). Published.
13. Daniele Ciofini, Ahmed Bedeir, Iacopo Osticioli, Abdelrazek Elnaggar, Salvatore Siano. Conservation of ethnographic artefacts: **Selective laser ablation of deposits from doum palm fibers** *Journal of Cultural Heritage*, 27(2017)143-152. <https://doi.org/10.1016/j.culher.2017.02.012>. (Type of paper: Original). Published.
14. A. Elnaggar, M. Leona, A. Nevin and A. Heywood. **The Characterization of Vegetable Tannins and Colouring Agents in Ancient Egyptian Leather from the Collection of the Metropolitan Museum of Art**. *Archaeometry* (59), Issue 1, 2016, pages 133-147. <https://doi.org/10.1111/arcm.12239>. (Type of paper: Original). Published.
15. Abdelrazek Elnaggar, Paul Fitzsimons, Anne Lama, Yvette Fletcher, Paula Antunes and K. G. Watkins. **Feasibility of ultrafast picosecond laser cleaning of soiling on historical leather buckles**. *Heritage Science* 4:30 (2016). DOI: 10.1186/s40494-016-0104-3. (Type of paper: Original). Published.
16. Daniela Comelli, Massimo D'orazio, Luigi Folco, Mahmud El-Halwagy, Tommaso Frizzi, Giuseppina Capriotti Vittozzi, Roberto Alberti, Valentina Capogrosso, Abdelrazek Elnaggar, Hala Hassan, Austin Nevin, Franco Porcelli, Mohamed Gamal Rashed, Gianluca Valentini. **The meteoritic origin of Tutankhamun's iron dagger blade**. *Meteoritics & Planetary Science*. 51(7) (2016), pp1301-1309. DOI: 10.1111/maps.12664. (Type of paper: Original). Published.
17. Maher Eissa, Louay Said, Abdelrazek Elnaggar. **Deir St. Macarius of Alexandria in Wadi El-Rayan, Fayoum: A Forgotten Monastery**. *SHEDET* (3), 2016, pages 1-9. (Type of paper: Original). Published. <https://doi.org/10.21608/shedet.003.02>
18. A. Elnaggar, P. Fitzsimons, A. Nevin, K. Watkins, M Strlič. **Viability of laser cleaning of papyrus: Conservation and scientific assessment**. *Studies in Conservation* 60 (S1), 2015, S73-S81. <https://doi.org/10.1179/0039363015Z.000000000211>. (Type of paper: Original). Published.
19. Abdelrazek Elnaggar, Paul Fitzsimons, Austin Nevin, Iacopo Osticioli, Mona Ali, Kenneth Watkins. **Investigation of Ultrafast Picosecond Laser System for Cleaning of Metal Decorations of 17th C. Gloves of King Charles I**. *e-Preservation Science* 12 (2015), pages 14-19. (Type of paper: Original). Published.
20. Gianluca Pastorelli, Costanza Cucci, Oihana Garcia, Giovanna Piantanida, Abdelrazek Elnaggar, May Cassar, Matija Strlič. **Environmentally induced colour change during natural degradation of selected polymers**. *Polymer Degradation and Stability*. Volume 107, 2014, Pages 198–209. <https://doi.org/10.1016/j.polymdegradstab.2013.11.007>. (Type of paper: Original). Published.
21. Abdelrazek Elnaggar. **Storage Issues in Egyptian Heritage: risk assessment, conservation needs and policy planning**. *Egyptian & Egyptological Documents, Archives and Libraries (EDAL)*, Vol 4, 2013/2014, pages 155-164. https://9a8029a4-802c-4898-b57c-df3bec522a01.filesusr.com/ugd/10e17a_6d49ec31070f46f9805112f078cf22db.pdf. (Type of paper: Original). Published.
22. Abdelrazek Elnaggar, Hams Mohamed, Gamal Mahgoub, Mona Fouad. **Laser cleaning of excavated Greco-Roman glass: removal of burial encrustation and corrosion products**. *Studies in Conservation*, Volume 55, Number Supplement 2, pages 80-84 (2010). <https://doi.org/10.1179/sic.2010.55.Supplement-2.80>. (Type of paper: Original). Published.
23. Elnaggar, A. Sahab, S. Ismail, G. Mahgoub, M. Abdelhady. **Microbial study of Egyptian Mummies: an assessment of enzyme activity, fungicides and some mummification materials for the inhibition of microbial deterioration**. *E-conservation Magazine*, 16 (2010) pages 39–49.

(Type of paper: Original). Published.

Articles in conference proceedings

- 1- Abdelrazek Elnaggar & Louay Mahmoud & Maher Eissa. **The monastery of St.Macrious As-Sakandrari in Fayoum: Challenges and opportunities of site management**. Proceedings of the 11th International Congress of Coptic Studies, Claremont University, 25TH-30TH July 2016, Claremont, California, **USA**. (Type of paper: Original). In print.
2. Abdelrazek Elnaggar, P. Pouli, A. Nevin, M.A. Fouad, G.A. Mahgoub. **Laser cleaning of burial encrustation and aged protective coating on Egyptian leather**; optimization of working conditions. LACONA VIII Proceedings, the 8th International Conference on Lasers in the Conservation of Artworks (LACONA VIII, 21-25 September 2009, Sibiu, Romania). In Radvan et al. (eds), 2011, Taylor & Francis Group, London, ISBN 978-0-415-58073-1. Sibiu, **Romania**. (Type of paper: Original). Published.
3. W. Noshay, H. Ezzat, I. El-Rifai, H. Mahgoub, A. Elnaggar, D. Comelli, A. Cesaratto, G. Valentini, R. Cubeddu, A. Nevin, and A. Ektessabi. **The Characterization and Conservation Treatment of an Important Album Photograph Using Advanced Imaging Techniques and Novel Reintegration Methods (Case Study)**. **CO-MA: Safeguarding Image Collections**. Issues in the management of photographic collections. Nizerland, 31 October 2013, Brussels, **Belgium**. (Type of paper: presentation). Published Abstract.

Posters presented in international conferences

1. Assessment of Organic and Inorganic Emissions of New Packaging Boxes and Recycled Boxes by Deacidification for Archival Paper Collections Stored in Different Environmental Conditions Randa Deraz, Fabiana Di Gianvincenzo, Ivan Mitevski, Manfred Anders, Katharina Schuhmann, Jasna Malešič, Matija Strlič, Abdelrazek Elnaggar. 1st Conference of the Slovenian Node of the European Research Infrastructure for Heritage Science E-RIHS Slovenia. 22nd November 2023 University of Ljubljana, Slovenia
2. Klara Retko, Hassan Ebeid, Matija Strlič, Polonca Ropret, Abdelrazek Elnaggar. Insights into the Non-invasive Characterisation of Dye-containing Iron-gall inks by Raman Spectroscopy. Poster Submitted to "29th Annual Meeting of the Slovenian Chemical Society", 2023, 13.-15. september, Portorož, Slovenia.
3. Souty Adel, Gamal Mahgoub, Iacopo Osticioli, Valentina Capogrosso, Austin Nevin and **Abdelrazek Elnaggar**. The technical Analysis of an Oil painted 19th C. Dome in Cairo: Relationship between discoloration and environment. Poster presented at Technart conference, 27-30 April 2015, Catania, **Italy**. Published
4. Eman H.Zidan, Sara Mosca, Sara Bellei, Austin Nevin, Gianluca Valentini, Rinaldo Cubeddu, Siham Ramadan, Souty Adel, Maher Eissa, Tommaso Frizzi, Michele Gironda, Ibrahim El Rifai, Hend Mahgoub, Sabah Sadik, Mohamed Gamal Rashed, **Abdelazek Elnaggar**, Daniela Comelli. Multi-Analytical Study of the construction and painting of a Late Period Sarcophagus in The Egyptian Museum of Cairo. Poster presented at Technart conference, 27-30 April 2015, Catania, **Italy**. Published
5. **Abdelrazek Elnaggar**, Marco Leona, Austin Nevin and Ann Heywood. Characterization of Vegetable Tannin and Coloring Agents of Ancient Egyptian Leather in the Metropolitan Museum of Art. Poster presented at the 17TH Triennial conference of the International Council of Museum-Conservation Community (ICOM-CC). 15-19 September 2014. Melbourne, **Australia**. Published.
6. **Abdelrazek Elnaggar**, Paul Fitzsimons; Austin Nevin, Iacopo Osticioli; Mona Ali, Ken Watkins. Laser cleaning trials on a gilded and polychromed 13th century ceiling using nanosecond and picosecond lasers. The Decorative: Conservation and the Applied Arts. 2012 IIC Congress, Vienna, **Austria**. Published.
7. Paul Fitzsimons, Ken Watkins, Zoe Allen and Abdelrazek Elnaggar. Ultra short pulse laser cleaning of gilded surfaces. Poster presented at LACONA X (Lasers in the Conservation of Artworks) conference, Sept 6 - 11, 2011, London, **England**. Published.
8. Elnaggar, M. Strlic, A. Nevin, Nanjing Zhao, D. Anglos and A. Elserogy. Multi-analytical study and assessment of laser cleaning of an Egyptian 20th century canvas painting. Poster presented at TECHNART conference, April 26 - 29, 2011. Berlin, **Germany**. Published

International dialogues, professional journals, newsletters, TVs, exhibitions, press and newspapers:

1. 2 Exhibitions with Jan at EMC and ASRT. 1st Conference of the Slovenian Node of the European Research Infrastructure for Heritage Science E-RIHS Slovenia. 22nd November 2023 University of Ljubljana, Slovenia
2. Katharina Stövesand, Randa Deraz, Mohamed Moustafa, Ahmed Abdallah, Eid Mertah, Mohamed Ibrahim, Ibrahim Elrefai, and Abdelrazek Elnaggar. Documentation and Conservation of El-Hibe Late Period coffins in the Egyptian Museum Cairo. Archaeology Magazine 2022. Submitted.
1. Abdelrazek Elnaggar: Research into the meteoritic origin of the King Tut dagger blade
National Geographic TV Documentaries: King Tut Tomb and Treasures
A. Elnaggar carried out research into the meteoritic origin of the King Tut (ancient Egyptian king, New Kingdom, 1500 b.c.) dagger blade using spectroscopic analysis techniques in the frame of scientific collaboration funded by the Italian Ministry of Foreign Affairs and Egyptian Ministry of Scientific Research had a global media coverage through a National Geographic TV Documentary: Tut's Treasures: Hidden Secrets (2018),
https://www.imdb.com/title/tt8174114/fullcredits?ref=tt_ov_st_sm .
2. **UK Channel 4 TV Documentary: Curse of the Egyptian Pharaoh's Tomb**
A. Elnaggar carried out research into the curse of the Egyptian pharaoh's tomb, specifically looking into the extraordinary scientific truth behind the legend as well as the press sensation that surrounded it for decades. This research was featured in the UK Channel 4 documentary "Tut's Toxic Tomb" (2022), https://www.imdb.com/title/tt23574976/?ref=nm_knf_t_2.
3. BBC Science Studio documentary <https://www.youtube.com/watch?v=js4zun57EQ8>
4. Abdelrazek Elnaggar, Cori Wegener, Rohit Jigyasu, Barbara O. Roberts and Jerry Podany. Under Lock and Key? Collection readiness and response in times of conflict. 10th of February and the 15th of March 2011. London (United Kingdom). Dialogues for the New Centuries, the International Institute for Conservation of Historic and Artistic Works (IIC). <https://www.iiconservation.org/sites/default/files/dialogues/under-lock-and-key-en.pdf>.
 5. Abdelrazek Elnaggar. Raising the efficiency of museum staff in Egypt. In: Conservation Education & Training in Africa, Asia, Latin America. ICOM-CC Education & Training Working Group e-Journal. 2014. [Online]:
https://ifea.hypotheses.org/files/2014/09/ICOM2014_TamboColorado.pdf.
 6. Abdelrazek Elnaggar. King Tutankhamun's dagger was made from a meteorite. News in Conservation (NiC), Issue 54, June 2016. [Online]:
https://www.iiconservation.org/system/files/publications/journal/2016/b2016_3.pdf.
 7. Abdelrazek Elnaggar. Safeguarding Egyptian Heritage: as a national duty and societal demand. Cairo News Paper, Tuesday 23, April 2013. Egypt.

Conferences, Invited Talks and General Speeches:

- Katharina Stövesand and Abdelrazek Elnaggar A group of el-Hibe coffins in the Egyptian Museum Cairo. Unique iconographies and unusual wealth in a provincial cemetery. he Coffins in Context conference online. The Fitzwilliam Museum and Christ's College, Cambridge, UK. 22 – 24 Feb 2024.
- Life Cycle Assessment as a Green Heritage Science Tool. 1st Conference of the Slovenian Node of the European Research Infrastructure for Heritage Science E-RIHS Slovenia. 22nd November 2023 University of Ljubljana, Slovenia
- Anba Macrius. the Institute for Monastic Studies and Contemplative Sciences, University of Ljubljana, Faculty of Arts, 13th April 2023.
- Guest Lecture for Master students. Chemistry of Mummification. 10th March. 2023., FKKT, University of Ljubljana, Slovenia.

- The El-Hibe Coffins Project: An Interdisciplinary Perspective for The Documentation, Study, And Preservation of Late Period Coffins in The Egyptian Museum Cairo. 15th March 2022 at the German Archaeological Institute in Cairo, **Egypt**.
- Heritage Science Landscape in Egypt and the Arab region: 13th E-RIHS Meeting (European Research Infrastructure for Heritage Science), 29TH-30TH Jan 2020, The University of Evora, Evora, **Portugal**
- E-JUST Heritage Science: interdisciplinary-oriented approach to meet the social needs. Archaeology, Heritage, Community and Water management symposium. National Authority for Remote Sensing and Space Sciences (NARSS), 23rd December 2019, Cairo, **Egypt**.
- Preserving collections for the content and design of future museums. De la pierre au papier, du papier au numérique: quels moyens de sauvegarde du patrimoine?. Colloque PPPN, du 26 au 28 février 2019, Université Senghor à Alexandrie, **Egypt**
- National Efforts for preserving the Egyptian Heritage. In “Disaster Management Planning in Libraries, Museums & Archives”, Bibliotheca Alexandrina, 23rd - 24th of October 2016, the small Theater at the BA Conference Center. Organized by the International Federation of Libraries Associations (IFLA) and Bibliotheca Alexandrina, **Egypt**
- The monastery of St.Macrious As-Sakandrari in Fayoum: Challenges and opportunities of site management. 11th International Congress of Coptic Studies, Claremont University, 25TH-30TH July 2016, Claremont, California, **USA**.
- Museums of Islamic Art: Centers of Sciences, education and Civilization Dialogue. Meeting of International Experts. Orgnized by Islamic Organization for Education, Sciences and Culture (ISESCO), 18-19 May 2016, Marrakech, **Morocco**.
- The Coptic papyri in Arab eras: historical and scientific study. At the Coptic Studies Institute, Bibliotheca ALEXANDRINA, Alex, Egypt. 15th April 2015, **Egypt**
- Archaeological Egyptian Heritage and Materials: advances in noninvasive portable spectroscopy and imaging analysis. Invited speaker at the conservation of cultural heritage Polish – Egyptian Seminar, 24-25 March 2015, Bibliotheca Alexandrina Conference Center (BACC)., Egypt
- Building a scientific partnership to develop noninvasive methods for the analysis and conservation of the Cultural Heritage. Invited speaker: The Second Edition of the Week of Arabic Language and Egyptian Culture in Italy, Politecnico di Milano, 16th Dec 2013, Milan, **Italy**.
- Storage Issues in Egyptian Heritage: risk assessment, conservation needs and policy planning. Forming Material Egypt Conference, 20-21 May 2013, Annual international conference of the Institute of Archaeology, UCL, London, **UK**.

- Abu Mena: World Heritage Site. Bibliotheca Alexandrina, 22 January 2014, Alex, **Egypt**.
- Laser Cleaning of Papyrus – a Comprehensive Conservatorial and Scientific Optimization. The ninth International Conference on Lasers in the Conservation of Artworks. 17-19 Sep 2011, British Museum, London, **UK**.
- Laser cleaning of burial encrustation and aged protective coating on Egyptian leather; optimization of working conditions. The 8th International Conference on Lasers in the Conservation of Artworks (LACONA VIII, 21-25 September 2009, Sibiu, **Romania**).
- Laser cleaning of excavated Greco-Roman glass: removal of burial encrustation and corrosion products. Conservation and the Eastern Mediterranean, preprints contributions to the International Institute for Conservation and Artistic Works (IIC), Istanbul Congress (20-24 September 2010), **Turkey**

➤ **Supervision of Master & Ph.D. theses:**

1. Ahmed Bedair (2013). Laser cleaning Of Ethnographic Museum collections: Experimental study with application on one of selected object. Master's degree. South Vally University, Faculty of Archaeology, Conservation Department. (granted).
2. Souty Adel (2014): Study of Condition Assessment of Oil based painted Stone Surfaces: A Case Study for Treatment and Conservation of a 19th Century Dome in Cairo. Master's degree. Fayoum University, Faculty of Archaeology, Conservation Department. (granted).
3. Seham Ramadan: (2015). Impact of Weathering on the chemical and Mineralogical Composition of Ancient Egyptian Copper-based Pigments with Application on some Painted Archaeological Stelae. Fayoum University, Faculty of Archaeology, Conservation Department. (granted).
4. Nahla Baraka (2017). Study of preventive conservation and site management of "Anba Macarius As-Sakandari Monastery" in Fayoum. Fayoum University, Faculty of Archaeology, Conservation Department. (in progress).
5. Hasnaa Ahmed (2021): Laser cleaning of Islamic Copper Coins with application on selected objects. Fayoum University, Faculty of Archaeology, Conservation Department. (granted).
6. Dalia Nabway: Experimental and applied studies for authentication of black inks in archaeological manuscripts. Faculty of Archaeology, Ain Shams University. (in progress).
7. Nermin Mohamed Farid: Experimental and applied studies of dressing materials for leather book bindings. Faculty of Archaeology, Ain Shams University. (in progress).
8. Mona Gawish: Experimental studies of Phenolic polymers in consolidation of cellulosic manuscripts. Faculty of Archaeology, Ain Shams University. (in progress).

Teaching Experience:

Philipps Marburg Universities, Center of Islamic and Mediterranean Studies (CIMS), Marburg, Germany

- Erasmus+ Teaching Week on Heritage Science. Call 2020 – KA1 Learning Mobility of Individuals, Staff mobility for teaching and training activities between programme and partner countries.

Faculty of Archaeology, Ain Shams University

- Master and Diploma course work including lectures, research seminars, practicum, and fieldworks on heritage management and preservation including (Organic materials, first aid and preventive conservation).

- Principals of Restoration and Conservation Course– Faculty requirement course for all UG departments.
- Research Seminar Course– 1st Grade students of the department of Archaeological Science and Excavations.

Egypt-Japan University of Science and Technology (E-JUST)

- Heritage Science master and diploma course work and modules including lectures, research seminars, practicum, and fieldworks.
- Ancient Egyptian Art and Architecture – University Requirement course for UG.

Faculty of Archaeology, Fayoum University

- Conservation of organic objects; Materials and Technology of ancient Egyptian organic objects; Conservation of Manuscripts; Research methods; Archaeological reading in English; Conservation of Textile; Analysis and Investigation of Archaeological materials.
- Museology at the Faculty of Tourism and Hotels, Fayoum University

International Relations

➤ **Hosting/Mentoring of International Students and Volunteers**

- In Ain Shams University, I hosted an Austrian master scholar “Pia Lilian Madlener” – from the Faculty of Conservation and Restoration, University of applied Arts, Vienna and Department of Near Eastern Studies, University of Vienna, Austria – at my lab in the Faculty of Archaeology in the period from 14th – 24th Feb 2022. The internship included hands-on training on conservation of archaeological textile and fieldwork at the Egyptian museums and Art Centers.
- In Ain Shams University, I hosted 14 volunteers – at my lab in the Faculty of Archaeology in the period from Dec 2021 to June 2022). The volunteers received training and hands-on digitization, documentation and conservation of archival heritage.
- In Egypt-Japan University of Science and Technology (E-JUST), I coordinated and instructed a summer program (2 weeks in 2019) for international Japanese undergraduate students (4 students) providing classes, training on cultural heritage management, and fieldworks in Cairo, Alexandria, Luxor and Aswan.

➤ **Memorandum of Understandings (MoUs) and International Partnerships:**

- 2021-2022, Coordinator of the MoU between Ain Shams University and the Philipps-Marburg University (Germany) to establish a joint master degree on the digitization and preservation of Epigraphic Heritage. The MoU signed on 24th Nov 2021.
- 2021-2022, Coordinator of the MoU between Ain Shams University and the Islamic World Educational, Scientific and Cultural Organization (ICESCO, Morocco) in the field of management and preservation of Cultural Heritage. The MoU signed on 11th April 2022.
- 2017-2019, Coordinator of the Joint Committee meetings between different governmental stakeholders from Egypt and Japan (including Waseda University, Tsukuba University, and JICA - Japan International Cooperation Agency) to establish, at in Egypt-Japan University of Science and Technology (E-JUST), the museum-oriented master and diploma programs of Heritage Science with two areas of museum specializations (museum management and conservation science). An agreement was signed in 2019 to support the establishment of postgraduate programs providing Japanese partnership in bylaw drafting, syllabus development, research advice, exchange of faculty members and research collaboration.
- 2019-2020, Coordinator of the MoU between Egypt-Japan University of Science and Technology (E-JUST) and Senghor University (Alexandria, Egypt) in the field of management and preservation of Cultural Heritage. The MoU was signed on in 2020.

- Coordinator (2018) of the MoU between Egypt-Japan University of Science and Technology (E-JUST) and the Grand Egyptian Museum (GEM) in the field of management and preservation of Cultural Heritage. The MoU was signed in 2019.

Fundraising and Community Campaigns:

- **Securing funds** from the Islamic World Educational, Scientific and Cultural Organization (ICESCO, Morocco) to provide scholarships for master students from Islamic States to join the joint master program of Digitization and Preservation of Cultural Heritage in collaboration between Philipps-Marburg University (Germany) and Ain Shams University. **2022/2023, Monetary Value (\$): 15,000 annually.**
- **Securing funds** from the Operational unit for Development Assistance (OUDA) - the Ministry of Foreign Affairs (MOFA) and United Nations Development Program (UNDP)- to provide six scholarships for master students of Heritage Science at Egypt-Japan University of Science and Technology (E-JUST). **2019/2020, Monetary Value (L.E): 60,000.**
- **Securing funds** from the Operational unit for Development Assistance (OUDA) - the Ministry of Foreign Affairs (MOFA) and United Nations Development Program (UNDP)- to provide six scholarships for the master students of Heritage Science at Egypt-Japan University of Science and Technology (E-JUST). **2020/2021, Monetary Value (L.E): 60,000.**
- **Securing funds** from the Sharjah Government (United Arab Emirates) to organize the 10th International Conference of the Lasers Applications in the Conservation of Artworks, held at the American University of Sharjah, June 2014. The funds include the rent of conference room, daily lunches, and accommodation of the organizational team and invited speakers.
- **Volunteering work** for the Egyptian Museum of Turin (Italy) to translate all the museum galleries/exhibition panels and texts into the Arabic Language to serve the Arab community in Italy and Arab speaking visitors.

Technology Transfer and Commercialization Experiences

- X-Ray Fluorescence Spectrophotometer (XRF) portable devices was designed and tested through my Italian-Egyptian Bilateral Project "*Archaeological Egyptian Heritage and Materials: advances in noninvasive portable spectroscopy and imaging analysis*" (2013-2015) within the executive programme of scientific and technological cooperation between the Italian republic and the Arab republic of Egypt. The project was in partnership between the Faculty of Archaeology (Fayoum University, Egypt) and Politecnico di Milano (Italy) where I served as the Egyptian PI. Later, the XRF device was bought/commercialized by Bruker Company.

Coordination and instruction of workshops/training courses/symposiums/meetings/conferences

- Coordinator of the 2nd Colloquium of " on Egyptian Cultural Heritage in Slovenia", Wednesday, 20th December 2023, at the Egyptian Academy of Scientific Research and Technology, Cairo, Egypt.
- Instructor: IPERION HS 2nd Doctoral Summer School "Environmental impact on built heritage and its digitalization" will be held from 17th to 21st July 2023, at ZAG (Slovenian National Building and Civil Engineering Institute), Dimičeva 12, Ljubljana, Slovenia.
<https://www.iperionhs.eu/iperion-hs-2nd-doctoral-summer-school-organized-on-july-17-21-2023/>
- Coordinator of the Colloquium of " on Egyptian Cultural Heritage in Slovenia", Wednesday, 5th July 2023, at the Slovene Ethnographic Museum, Slovenia.

- **Instructor** : "From Paper to Portals: the conservation and digitization of orient manuscripts". Summer School held at Gotha Research Library, Gotha, Germany, 18-22 July 2022. Organized by Philips Marburg University and Gotha Research Library (Germany).
- **Instructor**: "Preservation of Rock Material" in the summer school on "Rock Mechanics for Culture Heritage Preservation" held at Faculty of Engineering - Cairo University, 14-20 May 2022, in cooperation between Faculty of Engineering-Cairo University and Sapienza University of Rome (Italy).
- **Coordinator and Instructor** of the Scientific Research and Publications training course, 22nd March 2022 at the German archaeological institute in Cairo, Egypt.
- **Instructor** in the training course. Module 8 : Les mesures de conservation préventive et d'organisation du travail en équipe. Programme De Formation « Méthodologies De Conservation-Restauration Des Pierres Anciennes. 8th March 2022 at IFAO - Institut français d'archéologie orientale, Cairo, Egypt.
- **Coordinator and Instructor** of the Laser cleaning workshop, at the Egyptian Museum of Cairo, 15TH-17TH Feb 2022 in collaboration with the German archaeological institute in Cairo.
- **Coordinator** of the webinar: Islamic Culture and its contributions in the human civilizations. 18th- Sept 2020. Organized by the Heritage Science Program of Egypt Japan University of Science and Technology (E-JUST), In collaboration with the Islamic Organization for Education, Science and Culture (ICESCO) and Academy of Science and Technology (ASRT), Egypt.
- **Coordinator and Instructor** of "Training Program on "Conservation and Preservation of Photographic Materials" Series-1 History, Identification and Assessment" 29th July - 3rd August 2019, at the Egyptian Cultural and Educational Bureau, Tokyo, Japan. In collaboration between E-JUST and Toyo Institute of Art and Design.
- **Coordinator** of the webinar: Art, Science, And Heritage of Manuscripts. Thursday 18th- Friday 19th June 2020. Organized by the Heritage Science Program of Egypt Japan University of Science and Technology (E-JUST), In collaboration with the Islamic Organization for Education, Science and Culture (ICESCO).
- **Coordinator** of the E-JUST/UNESCO webinar series on Heritage Science and Africa: Webinar 2: Museums and Sustainable Development in Egypt and Sudan. 5th Sept 2020. Organized by the Heritage Science Program of Egypt Japan University of Science and Technology (E-JUST), In collaboration with UNESCO Regional Bureau for Sciences in the Arab States (Egypt). <https://www.unesco.org/en/articles/e-just/unesco-webinar-museums-and-sustainable-development-egypt-and-sudan>
- **Coordinator** of the E-JUST/UNESCO webinar series on Heritage Science and Africa: Webinar 1: Ethnographic Museums and African Art. Organized by the Heritage Science Program of Egypt Japan University of Science and Technology (E-JUST), In collaboration with UNESCO Regional Bureau for Sciences in the Arab States (Egypt). <https://www.unesco.org/en/articles/unesco/e-just-webinar-series-heritage-science-and-africa-session-1-ethnographic-museums-and-african>
- **Coordinator** of the webinar: Museum Exhibition: Design, Glazing and Mounting. Saturday, 20th June 2020. Organized by the Heritage Science Program of Egypt Japan University of Science and Technology (E-JUST), In collaboration with Faculty of Archaeology, Fayoum University), Higher Institute for Tourism, Hotels & Restoration of Monuments - Abou Qir, and the Faculty of Archaeology, Misr University for Science and Technology).

- **Coordinator** of the webinar: Art, Science, And Heritage of Manuscripts. Thursday 18th- Friday 19th June 2020. Organized by the Heritage Science Program of Egypt Japan University of Science and Technology (E-JUST), In collaboration with the Islamic Organization for Education, Science and Culture (ICESCO).
- **Coordinator** of the webinar: Heritage Entrepreneurship, Saturday 13th June 2020. Organized by the Heritage Science Program of Egypt Japan University of Science and Technology (E-JUST), In collaboration with the Public Outreach Sector of Bibliotheca Alexandrina (Egypt).
- **Coordinator** of the webinar: Development Plan for The Museum Of Fine Arts In Alexandria Visual Identity, Collections Interpretation & Conservation Management, Friday 12th June 2020. Organized by the Heritage Science Program of Egypt Japan University of Science and Technology (E-JUST), In collaboration with the Fine Arts Sector of the Ministry of Culture (Egypt).
- **Instructor and Co-Organizer** of the Faculty Development Workshop “Active Learning in Student-Centered Seminar”. 16th Sept 2018, Egypt-Japan University of Science and Technology (E-JUST), Alex, Egypt.
- **Coordinator and Instructor:** Emergency Response in Museums and Community Engagement. Training Course for Children University in collaboration between Egyptian Academy of Scientific Research (ASRT), Egypt-Japan University of Science and Technology (E-JUST) and Egyptian National Committee of the International Council of Museums (ICOM Egypt). 24th July 2018, E-JUST, Alex, Egypt.
- **Coordinator** of the Round Table on the Future of Museums “In Egypt and Arab Region”, 23rd May 2018, Conference Center, Bibliotheca Alexandrina. Organized by ICOM MDPP (Committee of Museum Definition, Prospects and Potentials), in alliance with ICOM Egypt, Bibliotheca Alexandrina, and Egypt-Japan University of Science and Technology (E-JUST).
- **Coordinator and Instructor** of the Training Course “Infrared Spectroscopy OF Cultural Heritage Materials”. Egypt-Japan University of Science and Technology (E-JUST), Alex, Egypt, 15-16 January 2018, Egypt.
- **Coordinator** of the Joint Committee Meetings (Japanese Supporting Universities) for opening the new academic programs of Faculty of International Business and Humanities (FIBH), Egypt-Japan University of Science and Technology (E-JUST), 26th Oct 2017 & 21st Nov 2017, Egypt.
- **Coordinator and Instructor** of “Preservation of Manuscripts” training course, The National Center of Restoration and Conservation of Manuscripts and Parchments, Kairouan, Tunisia, 24th – 29^h December 2016. In collaboration between the Tunisian Ministry of Education and Training, ICOM Egypt and ICOM Tunisia, Tunisia.
- **Coordinator and Instructor** of “Preservation of Photographic Material” training course, Bait El-Sennari, Bibliotheca Alexandrina, Cairo, 20th – 30th September 2016, Egypt.
- **Coordinator:** ICOM Egypt Awards ceremony for “Best Practice” in the Egyptian Museums. The International Museum Day 18 May 2016 at the National Archive (Fustat), Cairo Egypt.
- **Member of the conference organizing committee:** The current state of Arab Museums: for creating an Arab Observatory. At Pardo Museum (Tunisia), 2-4 May 2016. Organized by ICOM Arab in collaboration with the Arab League Educational Cultural and Scientific Organization. (Alecso), Tunisia.
- **Co-Coordinator:** “Alex Museums’ Day” symposium at Bibliotheca Alexandrina, 29th March 2016, in collaboration between ICOM Egypt and Manuscripts Museum of Bibliotheca Alexandrina.
- **Coordinator:** Training course “Advances in scientific imaging of artworks” organized by Heritage-Aid Mobile Lab (Faculty of Archaeology, Fayoum University, Egypt). Nov 2015, Egypt.

- **Coordinator:** ICOM Egypt Awards ceremony for “Best Practice” in the Egyptian Museums. The International Museum Day 18 May 2015 at the Egyptian Museum of National Civilization. Egypt.
- **Instructor:** Training course “Museum preparedness in time of armed conflict”. Organized by UNESCO, ICOM Arab and Balamand University (Lebanon) from 26-28 November 2015, UNESCO Regional Office in Beirut (Course joined by 25 museum professionals and administrators from 10 Arab countries), Beirut, Lebanon.
- **Coordinator and instructor** of the training course "Conservation Science-V: Cleaning methodologies and scientific evaluation" at the Grand Egyptian Museum-Conservation Centre. 10th-19th Dec 2015. Under the patronage of Japanese International Cooperation Agency (JICA) GEM-CC Project, Egypt.
- **Session Chair:** Legal, Governmental, Environmental and Security Challenges for Preserving Cultural Heritage: the Egyptian and International Perspective. Preserving Egypt’s Cultural Heritage Workshop. 13-14 October 2015, Marriott Hotel, Cairo, Egypt. Newton-Mosharafa Fund, in collaboration between Arts and Humanities Research Council (UK), British Council Egypt, Grand Egyptian Museum and STDF (Science and Technology Development Fund, Egypt).
- **Instructor:** Raising the efficiency of the professionals in the preservation of Archaeological Heritage and Management of Cultural resources for sustainable development plans. The Egyptian National Committee of UNESCO in collaboration with ISESCO (Islamic Organization for Education, Science and Culture). 12-14 Oct 2015, Cairo, Egypt.
- **Coordinator:** Environmental Conditions and Long-term Preservation in the Egyptian Museums – advanced training in preventive conservation. Workshop instructed by: Prof. Hannelore Roamich (Chairman of the Conservation Center- Institute of Fine Arts, New York University and Coordinator of ICOM-CC Glass & Ceramic Working Group). In 31 December 2014 at the National Museum of Egyptian Civilization., Egypt.
- **Instructor** in the training course "Writing Academic papers" at the Grand Egyptian Museum-Conservation Centre. 25th-26th Dec 2013. In collaboration with Japanese International Cooperation Agency (JICA GEM-CC Project).
- **Instructor:** Training Course of “Museum disaster preparedness and risk mitigation in the event of disaster or conflict. In cooperation with various national, non-governmental and international organizations (**UNESCO, Egypt’s Ministry of State for Antiquities, Egyptian Ministry of Culture, Egyptian Earth Construction Association, ICCROM, ICOM and Egyptian Heritage Rescue Foundation**). 15-30 December 2013. Cairo, Egypt.
- **Coordinator** of the training course: Non-destructive Scientific Imaging of Egyptian artefacts. At the Grand Egyptian Museum (Egypt) in **collaboration with Japanese International Cooperation Agency (JICA GEM-CC Project)** and Politecnico Di Milano (Italy). 2013, Egypt.
- **Coordinator and Instructor** of laser cleaning workshop at **the Natural History Museum (London)** as a part of international "LACONA X" conference (Lasers in the Conservation of Artworks) held at the British Museum (6-11 Sept 2011)., London, UK.
- **Coordinator** (in collaboration with UCL, UK) of the Near Infrared Spectroscopy (NIR) workshop (Prof.Matija Strlic)" at the Centre of the Documentation of the Natural and Cultural Heritage (**CULTNAT, Alexandrina Bibliotheca**), 23 May 2011.
- **Coordinator** (in collaboration with UCL, UK) of the "Paper and Ink workshop"- (Prof.Matija Strlic) at the manuscripts museum (Alexandrina Bibliotheca), 26 May, 2011, Egypt.

Conferences & workshops participation:

- **Conference** "Saving Archaeological Heritage in Saqqara – Ten Years achievements of Kansai University Mission". November 8 and 9, 2017, at the Saqqara Palm Club, Egypt. Organized by Center for the Global Study of Cultural Heritage and Culture (Kansai University), **Egypt**.

- **Conference** in Laser Cleaning of Archaeological objects, Wednesday 19th – 20th November 2008. Merseyside Maritime Museum, National Museums Liverpool, Organized by: National Museums Liverpool and The British Museum, **UK**.
- **Symposium** of Multifunctional Encoding for Assessment of Movable Cultural Heritage (MultiEncode). Wednesday 25 February 2009. Tate Modern, London, **UK**.
- **Workshop** Physical Encounters: What do we mean by condition and access (the first in the series Cultural Encounters and Explorations: Conservation's 'Catch 22'. Monday 30 March 2009, UCL, Institute of Archaeology, London, **UK**.
- **Conference** in Lasers in conservation of Artworks, LACONA 8, 21st -25th September 2009. Sibiu, **Romania**.
- **Symposium:** In Situ Technical Imaging for Art and Archaeology: a symposium on conservation science. The British museum, 15th July 2010, **UK**.
- **Conference:** Conservation and the Eastern Mediterranean, contributions to the Istanbul Congress (20-24 September 2010), the international institute for conservation of historic and artistic works (IIC), London, **UK**.
- **ICON Science Group meeting:** Monitoring and modelling of the Heritage Environment. UCL Centre for Sustainable Heritage, London, 1 March 2011, **UK**.
- **Assessment Workshop** - Lifetime of Colour Photographs in Mixed Archival Collections. 4th April 2011, Heritage Science Laboratory (Gordon House) 29 Gordon Street, WC1H 0PP London, **United Kingdom**.
- **Conference:** Synchrotron Radiation in Art and Archaeology. 5-6 June 2012. The Metropolitan Museum of Art. New York, **USA**.
- **Conference:** History of Printing and Publishing in the Languages and Countries of the Middle East Fourth International Symposium. 27 Sep 2011. Bibliotheca Alexandrina, **Egypt**.
- **The 17th Triennial Conference** of the International Council of Museums Committee for Conservation (ICOM-CC. 15-19 Sep 2014. Melbourne, **Australia**.
- **Conference:** The Decorative: Conservation and the Applied Arts. The international Institute for Conservation of Historic and Artistic Works (IIC), 10-15 September 2012, Vienna, **Austria**.
- **23rd Conference** of the International Council of Museums. 10-18 August 2013. Rio de Janeiro, **Brazil**.

Training and certificates:

- Conducting a Life Cycle Assessment (LCA): from Theory to Practical Application. University College London (UCL), London, UK, 13th – 16th May 2024.
- Introductory Volunteering Training. for English speaking volunteers. Friday, 9th June 2023 at the premises of the Slovene Philanthropy (Cesta Dolomitskega odreda 11, 1000 Ljubljana).
- Training Course" for Cultural Attaches". At the Egyptian National Academy of Training NTA. From 9th – 31ST May 2022, Egypt.
- Training Course" Diplomatic Skills". At the Egyptian Ministry of Foreign Affairs, Institute for Diplomatic Studies. From 29th – 30th April 2019, Cairo, Egypt. The course covered the diplomatic communication skills, protocol rules and etiquettes.
- Use of Technology in Teaching. Faculty and Leadership Development Center, Fayoum University, Egypt
- The credit hours systems. Faculty and Leadership Development Center, Fayoum University, Egypt
- Exam Evaluation Systems. Faculty and Leadership Development Center, Fayoum University, Egypt

- Managing Research Teams. Faculty and Leadership Development Center, Fayoum University, Egypt
- International Publication and Research. Faculty and Leadership Development Center, Fayoum University, Egypt
- Competing for research fund. Faculty and Leadership Development Center, Fayoum University, Egypt
- Research ethics. Faculty and Leadership Development Center, Fayoum University, Egypt
- University management. Faculty and Leadership Development Center, Fayoum University, Egypt
- Effective presentation skills. Faculty and Leadership Development Center, Fayoum University, Egypt
- Conferences organization. Faculty and Leadership Development Center, Fayoum University, Egypt
- International Certification of Digital Literacy (ICDL). UNESCO, Egypt
- TOEFL iBT. AMIDEAST, Egypt.