



Cairo University
Faculty of Archaeology
Conservation Department

C.V.

NAME Omar Mohamed Ahmed Abdel-Kareem (Ph.D.)
TITLE Associate Professor
GENDER Male
DATE OF BIRTH 31/1/1967
PLACE OF BIRTH Tookh, El -Kaliobia, Egypt.
NATIONALITY Egyptian.
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EDUCATION

School / Collage / University / Others	Degree Obtained	Date
Microbiology Department, Economic University, Krakow, Poland	Ph.D.	2000
Department of Conservation, Faculty of Archaeology, Cairo, Cairo, Egypt	M.A.	1995
Department of Conservation, Faculty of Archaeology, Cairo, Cairo, Egypt	B.A.	1989

Training

Training attended / Technical skills acquired	Place	Date
A training course on Electron Microscopy Techniques & Interpretation	Faculty of Science, Cairo University, Cairo, Egypt	1993
A training course on X-ray Diffraction Techniques & Interpretation	Faculty of Science, Cairo University, Cairo, Egypt	1994
Practice on conservation and restoration of archaeological Egyptian textiles	the Textile Conservation Center, Hampton Court Palace, England	12 October 1998 to 12 January 1999
Practice on conservation and restoration of archaeological Egyptian textiles	Textile Museum of Lyon, France	11 September to 2 October 1999
Practice on conservation and restoration of archaeological Egyptian textiles and attend course about using of polymers in field of conservation	Hungarian National Museum, and Faculty of Fine Art in Budapest	November 1999

Employment History

Employer	Position	Date from to
Associate Professor of Monument Conservation	Department of Monument	2008 - Present

	Conservation, Faculty of Archaeology, Cairo, Cairo, Egypt	
Associate Professor of Monument Conservation	Department of Management and Conservation of Culture Heritage, Faculty of Archaeology, Yarmouk University, Jordan	2006 - 2008
Assistant Professor of Monument Conservation	Department of Management and Conservation of Culture Heritage, Faculty of Archaeology, Yarmouk University, Jordan	2005 - 2006
Lecturer of Monument Conservation	Department of Monument Conservation, Faculty of Archaeology, Cairo, Cairo, Egypt	2001 - 2005
PhD Student at Economic University, Krakow, Poland	Microbiology Department, Economic University, Krakow, Poland	1996 - 2000
Assistant Lecturer at Department of Monument Conservation	Faculty of Archaeology, Cairo, Cairo, Egypt	1995 - 1996
Demonstrator at Department of Monument Conservation	Faculty of Archaeology, Cairo, Cairo, Egypt	1989 - 1995

TEACHING EXPERIENCE

- From 1991-1996 I had been teaching practices labs for courses of treatment and conservation of various organic materials such as textiles, carpets, manuscripts, basketry and feathers in Conservation Dept., Faculty of Archaeology, Cairo Univ.
- From November 2001-2005, teaching courses of treatment and conservation of various organic materials such as textiles, carpets, manuscripts, basketry and feathers in various Conservation Departments in Egypt, Faculty of Archaeology, Cairo University, Faculty of archaeology, Fayoum University, Faculty of Fine Art, Elmenia University, Tourism Institute, Alexandria
- From February 2005 until 2008 I am teaching various conservation courses for both undergraduate and postgraduate students in Faculty of archaeology, Yarmouk University, Irbid, Jordan. The undergraduate courses are Introduction for conservation sciences, Ancient technologies, General techniques for conservation of culture resources, Preventive conservation, Textile conservation and Conservation of leather and related materials. Postgraduate Courses are Advanced course in Preventive conservation, Conservation Processes and Special Topics in Conservation.
- Teaching short courses in special topics for young conservators in Supreme Council of Antiquities, Cairo, Egypt 2004.
- Teaching 2 lectures in The Summer School held in Thalonik, Greece, summer 2006

Undergraduate Program Courses:

CM 101 Introduction to Conservation and Management of Cultural Heritage
 CM 201 General Techniques of Object Conservation
 CM 203 History of Technology
 CM 310 Preventive Conservation
 CM 430 Conservation of Textile, Leather and Parchment

Postgraduate Program Courses:

MA of Management of Cultural Resources

CM 651 Preventive Conservation (Advanced Course)
 CM 690 Graduation Project in Management of Culture Heritage

MA of Conservation of Cultural Resources

CM 101 Introduction to Conservation and Management of Cultural Heritage (Primary Course)

CM 201 General Techniques of Object Conservation (Primary Course)

CM 650 Conservation Process

CM 651 Preventive Conservation (Advanced Course)

CM 690 Graduation Project in Conservation of Culture Heritage

PRACTICAL EXPERIENCES

- Practical Conservation of many historical textile objects in different museums in different countries (Egypt, Poland, France, England, Hungarian and Jordan).
- 1994, Conservation of a rare Coptic garment in the Coptic Museum in Cairo
- 1995, Conservation of historical paper manuscripts in Library of faculty of Medicine, Cairo University
- 1997 Participating in disinfection of carpet and tapestry objects in Wawel Castle, Krakow, Poland
- 1999, Conservation of an Egyptian Coptic textile object and three Pheronic textile objects, in Textile Museum of Lyon, France.
- 2003 Conservation a Rare Carpet Dated 1850-1900 A.D. in Cairo University.
- 2004 Conservation various ancient painted textile objects in the Egyptian Museum in Cairo.
- 2007-2008 Conservation of various coloured textile objects in the Museum of Jordanian Heritage, Irbid, Jordan
- Practical works in analysis, identification and investigation of various historical materials using various methods and techniques such as optical microscope, polarizing microscope, Scanning Electron Microscope, FTIR, HPLC
- Expert in evaluation the durability of materials suggested to conservation field in the long term use.

Membership of Professional Associations

Professional Body	Level of Membership	Year of Award
Member of organizers of The International Conference on Challenges in Preserving and Managing Jordan's Heritage Resources, 5-6 December, 2006, Yarmouk University, Jordan		2006
The Arab Science Society for Polymers Technology	Member life	2001 - present
The Arab Archaeologists Society	Member life	2000 - present
ICBCP Group, International Conference on Biodeterioration of Culture Property	Member life	1998 - present

Awards

- (2008) The Encourage Award in the field of the humanities studies, Cairo University
- (2008) The International Publication Award, Cairo University

Other activities

- Coordinator of the Egyptian National Project "New Strategies for Conservation of Ancient Egyptian Textiles with the Application on Some Selected Textile Objects in the Museum of Faculty of Archaeology, Cairo University, Funded by STDF for two years from November 2009
- A member in Med-Colour-Tech Project supported by the European Commission under the Sixth Framework Program, Integrating and Strengthening the European Research Area. The Project Title: Investigation, Revival, and Optimisation of Traditional Mediterranean Colouring Technology for Conservation of the Cultural Heritage. Contract Number is INCO CT 2005 MED-COLOUR-TECH 015406. The project website can be found at www.medcolourtech.org
- Supervisor for 12 Master Thesis in both of Cairo University and Yarmouk University
- Reviewer for 7 Thesis in both of Cairo University and Yarmouk University

Fields of Interest

- Treatment, Conservation and Restoration of Textile Artifacts

- Conservation of Organic Materials Artifacts
- Conservation of Carpets and Rugs
- Conservation of Embroidery Metal Threads
- Preventive Conservation of Monuments
- Identification and Prevention of Fungal Deterioration of Organic Materials
- Applications of Polymers in Conservation Field
- Investigation and analysis of textile materials such as fibers, dyes and pigments

PUBLICATIONS

- [1]. Tera, F.M., Abdel-Hamied, H., **Abdel-Kareem, O.**, (1994): Effect of Different Aging Methods on The Surface Morphology of Raw Linen Fabric, Part: 1: In: Fourth National Conference on Spectroscopy. Caser & their Applications, Academy of Scientific & Technology, National Committee of Pure & Applied, 27-29 september 1994
- [2]. Tera, F.M., Abdel-Hamied, H., **Abdel-Kareem, O.**, (1994): Spectro-photometric Studies of the Effect of Different Aging Methods on Raw Egyptian Linen Fabric, Part:2: In: Fourth National Conference on Optical Spectroscopy. Caser & their Applications, Academy of Research & Technology, National Committee of Pure & Applied Physics, 27-29 september 1994
- [3]. Tera, F.M., Abdel-Hamied, H., **Abdel-Kareem, O.**, (1994): Effect of Different Resins on the Fading Kinetics of Dyed Linen, In: Fourth National Conference on Optical Spectroscopy. Caser & their Applications, Academy of Scientific Research & Technology, National Committee of Pure & Applied Physics, 27-29 september 1994
- [4]. **Abdel-Kareem, O.**, Szostak-Kotowa, J., Barabasz, w., Paśmionka, I., and Galus, A., (1997): Fungal Biodeterioration of Ancient Egyptian Textiles, Part I: Survaying Study for The Most Dominant Fungi on Ancient Egyptian Textiles, In: Drobnousreojie W Środowisku Występowanie, Aktywność i Znaczenie, Wyd. AR Kraków, PP.279-290.
- [5]. **Abdel-Kareem, O.**, (1998): A Non Destructive Method to Estimate The Rate of Deterioration of Linen Textiles, In: "Jakość Wyrobów W Gospodarce Rynkowej", Materiały konferencji naukowej 24-25,9,1998, Kraków, PP.267-270.
- [6]. **Abdel-Kareem, O.**, Szostak-Kotowa, J., (1998): Effect of Fungi on the surface morphology of Ancient Egyptian Linen Textiles. In: "4th International Conference on Biodeterioration of Culture Property", 21-25 November, 1998.
- [7]. **Abdel-Kareem, O.**, Szostak-Kotowa, J., (1998): Spectrophotometric Studies of the Effict Fungi on Egyptian Linen Textiles, In: "4th International Conference on Biodeterioration of Culture Property", 21-25 November, 1998.
- [8]. **Abdel-Kareem, O.**, (1999): An Evaluation of the Use of Resins in Ancient Egyptian Textiles Conservation: Part 1: Preparing Experimentally Degraded Linen Textile Samples that are Similar to Degraded Archaeological Egyptian Linen Textiles, In: Czasopismo Techniczne 1A/1999, Wydawnictwo Politechniki Krakowskiej, Kraków, Poland, PP.182-194.
- [9]. **Abdel-Kareem, O.**, (1999) An Evaluation of the Use of Resins in Ancient Egyptian Textiles Conservation: Part 2: Effect of Aging on Mechanical and Physical Properties of Linen Textile Consolidated with Resins, IN: Czasopismo Techniczne 1A/1999, Wydawnictwo Politechniki Krakowskiej, Kraków, Poland, PP.195-207.
- [10]. **Abdel-Kareem, O.**, Szostak-Kotowa, J., (1999): Fungal Biodeterioration of Ancient Egyptian Textiles, Part II: Effect of Fungi on the Tensile Strength and Elongation of Linen Textiles, In: 1st International Conference on Restoration and Conservation of Antiquities, Cairo University, 12-14 April, 1999. Egypt.
- [11]. **Abdel-Kareem, O.**, Szostak-Kotowa, J., (1999): Spectrophotometric Measurments to detect the Role of Polymers and Resins in Prevention of Fungal Deterioration of Ancient Egyptian Linen Textiles, In: The Baltic-Nordic Conference on Conserved and Restored Works of Art 6-9 of October 1999, Tallinn, Estonia.
- [12]. **Abdel-Kareem, O.**, Szostak-Kotowa, J., (1999): Electron Microscopical (SEM) Studies on Biodeteriorated Archaeological Egyptian Textiles, In: Archaeological Sincies 99: University of Bristol 1st 20th – 22nd September 1999.

- [13]. **Abdel-Kareem, O.**, (2000): Application of Fungicides in Preservation of Ancient Egyptian Linen Textiles, In: *Czasopismo Techniczne 1A/2000*, Wydawnictwo Politechniki Krakowskiej, Kraków, Poland, pp.189-201.
- [14]. **Abdel-Kareem, O.**, (2000): Microbiological Studies to Evaluate Polymers and Resins Used in Consolidation of Ancient Egyptian Linen Textiles, In: *Czasopismo Techniczne 1A/2000*, Wydawnictwo Politechniki Krakowskiej, Kraków, Poland, pp. 202-211.
- [15]. **Abdel-Kareem, O.**, (2000): Microbiological Testing of polymers and resins used in conservation of linen textiles, In: 15th World Conference on Non-destructive Testing, Roma, 15-21 October 2000.
- [16]. **Abdel-Kareem, O.**, (2001): Treatment of Egyptian Linen Textiles against Fungal Deterioration, In: The First Conference on El-Fayoum, El-Fayoum between the Past and the Present, 7-8 April 2001.
- [17]. **Abdel-Kareem, O.M.A.**, Treatment, Conservation and Restoration of Three Painted Egyptian Textile Objects in Musee Historique des Tissus, Lyon, France, In: The Forth Triennial Meeting held by Association of the Arab Archaeologists, Cairo, 27-29 October 2001.
- [18]. **Abdel-Kareem, O.**, (2002): Preventive Conservation for Museum Objects as a New Universal Way Suggested to be Applied in Egyptian Museums (Part I: The Scientific Methods to Select Materials Used in Display, Storage and Transportation of Museum Objects, In: *Art and Town*, Elmenia University, Egypt, 2002
- [19]. **Abdel-Kareem, O.**, and Morsy, M., (2002): Mechanical Characterisation of Fungal Deteriorated Textile Fabrics Created for Conservation Research, In: The Second Conference of Middle Egypt, Al-Fayoum, Beni-Suef, Almenia, 30 April – 2 May 2002, pp.103-112.
- [20]. **Abdel-Kareem, O.**, (2002): The Effect of Alkaline Deacidifying Agents Against Fungal Deterioration of Ancient Egyptian Linen Textiles, In Proceedings of The First Conference of The Central Agricultural Pesticide Laboratory, 3-5 Sept., 2002, Vol.1, pp.416-426.
- [21]. **Abdel-Kareem, O.**, (2002): The Guid in Treatment Conservation of Ancient Textiles, Cairo, 2002, Book in 262 pages.
- [22]. **Abdel-Kareem, O.**, (2003): The Long Term Effect of Selected Conservation Materials used in Treatment of Museum Artefacts on some Properties of Textiles, In: Proceedings of 7th Arab International Conference on Polymer Science & Technology and The 3rd Arab Conference on Materials Science (ACMS-III), October 5-9/ 2003, Cairo-Hurghada, Egypt, Part2, pp. 633-649.
- [23]. **Abdel-Kareem, O.**, (2003): Investigate the Colour Changes of Historical Egyptian Dyed Linen Textiles by Fungi, In: Proceedings of 7th Arab International Conference on Polymer Science & Technology and The 3rd Arab Conference on Materials Science (ACMS-III), October 5-9/ 2003, Cairo-Hurghada, Egypt, Part 2, pp. 651-666.
- [24]. **Abdel-Kareem, O.**, (2004): Treatment, Conservation and Restoration of a Rare Iranian Carpet Dated 1850-1900 A.D. In: ICOM Interim Meeting, Textiles, Leather and Related Materials, Legal Issues, 21-24 April, 2004, Athens.
- [25]. **Abdel-Kareem, O.**, and Samaha, S.H., (2004): Investigate the Effect of Fungi on Properties of Egyptian Cotton Textiles and Their Prevention with Fungicides: Part I, In: ICOM Interim Meeting, Textiles, Leather and Related Materials, Legal Issues, 21-24 April, 2004, Athens.
- [26]. **Abdel-Kareem, O.**, and Morsy, M., (2004): The Effect of Accelerated Ageing on Properties of Egyptian Cotton Textiles Treated with Fungicides, In: First Annual Conference 13-15 July 2004, Scientific Analysis of Ancient and Historic Textiles: Informing Preservation, Display and Interpretation, Textile Conservation Centre, Winchester, U.K.
- [27]. **Abdel-Kareem, O.**, and El-Nagar, K., (2004): Physical and chemical characterisation of deteriorated Coptic Egyptian textiles using non-destructive methods, In: First Annual Conference 13-15 July 2004, Scientific Analysis of Ancient and Historic Textiles: Informing Preservation, Display and Interpretation, Textile Conservation Centre, Winchester, U.K.
- [28]. **Abdel-Kareem, O.**, (2004): Schimmelpilzgeschadigte altagyptische leinengewebe, In: *RESTAURO* 3/2004, pp.180-186.
- [29]. **Abdel-Kareem, O.**, and El-Nagar K. (2005): Non-Destructive Methods to Investigate the Deterioration Extent of Coptic Egyptian Textiles, *JTATM*, 4 (4).
- [30]. **Abdel-Kareem, O.**, (2005): The Long-term Effect of Selected Conservation Materials used in Treatment of Museum Artefacts on some Properties of Textiles, In: *Polymer Degradation and Stability* 87(2005) 121-130.
- [31]. **Abdel-Kareem, O.**, (2006): "Investigate the Deterioration Extent of Metal Embroidery Threads in Museum Textile Objects Using Non-Invasive Methods", In: The International Conference on

- Challenges in Preserving and Managing Jordan's Heritage Resources, 5-6 December, 2006, Yarmouk University, Jordan (unpublished), (2006).
- [32]. **Abdel-Kareem, O.**, (2006): Colorimetric Measurements to Investigate the Effect of Heat and Light Ageing on Historical Dyed Textile Artifacts ”, In: The International Conference on Challenges in Preserving and Managing Jordan's Heritage Resources, 5-6 December, 2006, Yarmouk University, Jordan (unpublished), (2006).
- [33]. **Abdel-Kareem, O.**, and Al-Saad, Z., (2007): Conservation Strategy of Metal Embroidery Threads in Textile Objects in Museum of Jordanian Heritage, In: The International Conference on Conservation Strategies for Saving Indoor Metallic Collections (CSSIM), With A One Day Satellite Meeting On Legal Issues In The Conservation Of Cultural Heritage (LIC – ICOM-CC), Cairo, 25 February–1 March, 2007.
- [34]. **Abdel-Kareem, O.**, and Al-Saad, Z., (2007): Preparing of Artificial Aged Dyed Textile Samples Simulated to Museum Dyed Textiles, In: 26th Meeting of Dyes in History and Archaeology, Vienna, 7th till 10th November 2007.
- [35]. **Al-Saad, Z., and Abdel-Kareem, O.**, (2007): Investigation of Artificially Aged Dyed Textiles Using High Performance Liquid Chromatography with Photodiode Array Detection (HPLC-PDA), In: 26th Meeting of Dyes in History and Archaeology, Vienna, 7th till 10th November 2007.
- [36]. **Abdel-Kareem, O.**, Effect of Selected Natural Dyes in Reduction of Colour Changes of Egyptian Linen Textiles by Fungi, In: [Annali di Chimica](#), 2007, Volume 97, Issue 7, Pages 527 – 540
- [37]. **Abdel-Kareem, O.**, (2008): Dyes for Textile Conservation Purposes, In: the First International Conference Held by Faculty of Archaeology, Cairo University, 4-6 March 2008.
- [38]. **Abdel-Kareem, O.**, (2008): Identification of Natural Dyes on Archaeological Objects Using High Performance Liquid Chromatography with Photodiode Array Detection (HPLC-PDA), In: the First International Conference Held by Faculty of Archaeology, Cairo University, 4-6 March 2008.
- [39]. **Abdel-Kareem, O.**, (2008): Monitoring and Controlling of Fungal Deterioration on Textile Collection in Museum of Jordanian Heritage, In: 8th Indoor Air Quality 2008 Meeting Vienna, 17th - 19th April 2008.
- [40]. **Abdel-Kareem, O.**, Harith, M.A., (2008): Evaluating the Use of Laser Radiation in Cleaning of Copper Embroidery Threads on Archaeological Egyptian Textiles, In: Applied Surface Science 254 (2008) 5854–5860
- [41]. **Abdel-Kareem, O.**, (2008): Conservation of A Rare Painted Ancient Egyptian Textile Object from the Egyptian Museum in Cairo, In e-PRESERVATIONScience journal, 2008, 5, pp. 9-1
- [42]. **Abdel-Kareem, O.**, (2008): Establishing a Strategy for Protection of the Textile Collections in the Museum of Jordanian Heritage against Fungal Deterioration In: The 7th Triennial Meeting held by Association of the Arab Archaeologists, Sohag, Egypt.
- [43]. **Abdel-Kareem, O.**, (2008): Fungal Deterioration of the Museum Dyed Textile Objects and Approaches for Their Control in Mediterranean Countries, In: The International Workshop on Technology and Conservation of Ancient Artworks, November 26-27, 2008, Fez, Morocco.
- [44]. **Abdel-Kareem, O.**, (2008): Preventive Conservation of the Coloured Objects in the Museum of Jordanian Heritage, In: The International Workshop on Technology and Conservation of Ancient Artworks, November 26-27, 2008, Fez, Morocco.
- [45]. **Abdel-Kareem, O.**, (2008): Laser Cleaning of the Museum Composite Objects, In: The Fourth International Conference of Scientific Research and its Applications, 16-18 December, 2008, Cairo University.
- [46]. **Abdel-Kareem, O.**, (2009), Estimating the Condition of the Metal Embroidery Threads in Ottoman Textiles in Al-Manyal Palace Museum in Cairo, in Adumatu, Issue No. 19, 2009, pp. 7-16.
- [47]. **Abdel-Kareem, O.**, Al-Saad, Z., (2009): Application of Minimal Invasive Methods in Investigation and Estimating the Condition of Historical Textiles, in, ArtTech 09, 1-2 June 2009, Cairo, Egypt.
- [48]. **O. Abdel-Kareem, A. Khadr, M. Abdel-Hamid, M.A. Harith,** (2009): Application of the laser induced breakdown spectroscopy (LIBS) technique in investigation of the historical metal threads, in The 7th International Conference of Laser Application (ICLA), 17-21 May, 2009, Cairo.
- [49]. **Abdel-Kareem, O.**, Alfaisal, R., Treatment, Conservation and Restoration of the Bedouin Dyed Textiles in the Museum of Jordanian Heritage, in Mediterranean Archaeology & Archaeometry (Accepted to be published).