

C.V

First: General data

Rushdya Rabee Ali Hassan

- professor of conservation of manuscripts and organic objects
- Conservation department , Faculty of Archaeology ,Cairo University
- Tel: 01281072193
- Email : rushdyarabii@cu.edu.eg , rusdyarabii@yahoo.com

Author Orcid ID : 56879099000

Web of Science ResearcherID AAH-3886-2021

<http://orcid.org/0000-0003-1767-8291>

Author Scopus ID:

56879099000<https://scholar.cu.edu.eg/?q=rushdyarabii/>

<https://service.elsevier.com/app/contact/supporthub/scopuscontent/>

<https://publons.com/researcher/4290128/rushdya-rabee-ali-hassan>

H-index on Scopus = 12

H-index on Web of Science =13



<http://www.scopus.com/authid/detail.url?authorId=56999933300>

Second: academic data

Academic department	Conservation department , Faculty of Archaeology ,Cairo University	
Degree	PhD in Restoration and Conservation of artifacts	
Academic Specialization	General: Restoration and conservation of artifacts	Specialization. Organic artifacts

Third: The main scientific degrees

Degree	Specialization	the year	the University
Bachelor degree	Bachelor of Conservation and Restoration of artifacts	May 2001	Faculty of Archaeology. Cairo university
Master	Master of conservation and restoration	26-4-2007	Faculty of Archaeology. Cairo university
PhD	PhD of conservation and restoration	8-4-2012	Faculty of Archaeology. Cairo university
Assistant professor	Assistant professor	20-6-2017	Faculty of Archaeology. Cairo university
professor	Professor of conservation of manuscripts and organic objects	16-8-2022	Faculty of Archaeology. Cairo university

Fourth: Practical Experience:

	the field	Tasks	Place of service	Time period
1	demonstrator	1. Practical applications 2. Practical training 3. Supervision and follow-up of graduation projects For students 4. Scientific research	Conservation department , Faculty of Archaeology ,Cairo University	2002-2007
2	assistant teacher	1- Lecturing 2. Practical applications 3. Practical training 4. Supervision and follow-up of graduation projects For students 5. Scientific research	Conservation department , Faculty of Archaeology ,Cairo University	2007-2012
3	lecturer	1. Lecturing 2. Developing and correcting examinations 3. Scientific research 4. Participation in the various academic committees 5. Participate in the development of study plans And propose new plans 6. Participate in the evaluation and development of programs and plans Academic accreditation	Conservation department , Faculty of Archaeology ,Cairo University	2012-2017
4	Assistant Professor	1-Lecturing 2-. Teaching for Masters students 3. Develop and correct exams 4- Scientific Research 5- Participation in various academic committees 5- Participate in the development of study plans And propose new plans 6- Participate in the evaluation and development of programs and plans Academic accreditation	Conservation department , Faculty of Archaeology ,Cairo University	2017 until now

V. Development courses for faculty members

	The field	The title	Place	Date
1	Teaching methods	use of technology in teaching	Leadership Development Center (FLDC), Cairo University	12-14 February 2007
2	Teaching methods	Effective Teaching	Leadership Development Center (FLDC), Cairo University	22-26 / April 2007
3	Teaching methods	scientific research methods	Leadership Development Center (FLDC), Cairo University	16-19 April 2007
4	Teaching methods	Thinking Skills	Leadership Development Center (FLDC), Cairo University	12-14 February 2007
5	Teaching methods	quality standards in teaching	Leadership Development Center (FLDC), Cairo University	12-14 / 4/2010
6	Teaching methods	Scientific Publishing	Leadership Development Center (FLDC), Cairo University	, (6-9 / 12/2010
7	Teaching methods	competitive research projects	Leadership Development Center (FLDC), Cairo University	(6-8 / 6/2011)
8	Teaching methods	Time Management and Meetings	Leadership Development Center (FLDC), Cairo University	(24-26 / 10/2011)
9	Teaching methods	Ethics of Scientific Research	Leadership Development Center (FLDC), Cairo University	(7-9 / 3/2011
10	Teaching methods	Organizing Scientific Conferences	Leadership Development Center (FLDC), Cairo University	2-4 / 8/2010
11	Teaching methods	Strategic Planning	Leadership Development Center (FLDC), Cairo University	23-24 / 2013
12	Teaching methods	Credit Hours Course	Leadership Development Center (FLDC), Cairo University	7-8 / 3/2015)
13	Teaching methods	common mistakes in writing scientific research in Arabic and English	Leadership Development Center (FLDC), Cairo University	18-19 / 5/2016
14	Teaching methods	financial and legal aspects in the work	Leadership Development Center (FLDC), Cairo University	(4-5 / 1/2016
15	Teaching methods	examination systems and assessment of students	Leadership Development Center (FLDC), Cairo University	19-20 / 10/2016)
16	Teaching methods	Work Stress Management	Leadership Development Center (FLDC), Cairo University	14-15 / 1/2017
17	Teaching methods	University management	Leadership Development Center (FLDC), Cairo University	18- 19/10/2017
18	Teaching methods	Decision Making and problem solving	Leadership Development Center (FLDC), Cairo University	12-13 / 2/2018
19	Teaching methods	Problem-based learning	Leadership Development Center (FLDC), Cairo	2-3 / 7/2018

			University	
20	Teaching methods	Managing research team	Leadership Development Center (FLDC), Cairo University	4-4/4/2019
21	Teaching methods	Critical thinking	Leadership Development Center (FLDC), Cairo University	7-8/7/2021
22	Teaching methods	Essentials of integrated education	Leadership Development Center (FLDC), Cairo University	10-11/2/2021

VI. Scientific and practical contributions (conferences and seminars).

	the field	Title	Type of participation	Place	Date
1	Polymer Science	9th Arabic international conference on polymer science and technology	Presentation of paper entitled "Experimental Studies Some Consolidates Used for the Treatment of Vegetable Tanned Leather Artifacts"	10th of Ramadan City, Hurghada, Egypt	18 to 22 November 2007
2	Conservation Science	Training a delegation from the State of Kazakhstan to restore the organic objects	Trainer	Faculty of Archeology Cairo University	2-7 november 2008
3	Conservation Science	Training a delegation from the State of Uzbekistan in the same field (restoration of manuscripts, paper and papyrus)	Trainer	Faculty of Archeology Cairo University	21-27 november 2008
4	Conservation Science	Participating in the restoration project of books and records	Conservator	Cairo University Library	2009
5	Conservation Science	a Lecture on the restoration of paper manuscripts in libraries and stores	Presentation of a Lecture entitled "Scientific Complex disaster and methods of confrontation and restoration"	National Archive.cairo	22 April 2012.
6	Fine Arts	the program of restorers of the arts sector	Presentation of a Lecture entitled "Examination and analysis of organic objects"	Mahmoud Khalil Museum in Cairo	2014-2015
7	Conservation Science	a Lecture	Presentation of a Lecture entitled "role of microbiology in the field of organic effects"	National Museum of Egyptian civilization in Fustat	17 to 19 April 2016.

8	Fine Arts	the program of development of practical skills and privacy for restorers and conservation specialists in the plastic arts sector	Presentation of a Lecture entitled "the pigments and dyes"	Mahmoud Khalil Museum in Cairo	2015-2016
---	-----------	--	--	--------------------------------	-----------

(VIII) : Training courses and activities

	The field
1	Computer and Internet Course in the Faculty of Computing and Information, Cairo University
2	A course on cultural holdings and the strategy of combating it, scientific lectures and training, and the process of restoration and maintenance of the human heritage included the activities of the program of the training course in the restoration in cooperation with ISESCO from 15-18 May 2006 at the National Library and Archives - Cairo.
3	A course on the chemical treatments of cultural holdings - the road to the preservation of human heritage - the restoration center maintenance National Library and Documents in cooperation with ISESCO from 15 to 18 May 2006
4	course entitled "Storia e Manifattura del papiro" under the auspices of the Egyptian Museum and Museo del papiro-siracusa from 9 to 24 October 2010
5	A course on the deterioration of cultural holdings: reasons and precautions; practical lectures on the restoration and maintenance of human heritage. The activities of the training course program in restoration were included in cooperation with ISESCO from 15-18 May 2006 at the National Library and Documentation House, Cairo.
6	Training course "Short Advanced Intensive Training Course on Conservation of Cultural Heritage" under the auspices of Cairo University in cooperation with the Italian Embassy and the Academy of Scientific Research from 29 May to June 2005.
7	A training course entitled "Short Advanced Training Course on Paper & Painting Artworks restoration & conservation" under the auspices of Cairo University in cooperation with the Italian Embassy from 5-9 December 2009
8	Training Techniques in Cultural Heritage Concepts, 3D Laser Scanning, GIS-GIS & NDT at the Center for Documentation of Cultural and Natural Heritage - Smart Village from 4-12 July 2009 A training course on statistical analysis using the SPSS program from 6-19 April 2010
9	The second scientific symposium entitled Effects and Heritage problems and solutions 2014
10	Workshop on the description of the curriculum on Sunday, 1-11-2015
11	Restoration and maintenance of rare books and manuscripts at the library of Alexandria University, October 2018

Ninth / (membership of committees / associations and scientific links).

	Name of Committee / Assembly / Association	Nature of Membership	Time period
1	Scientific Supervisor on art works in the Centers for Restoration, Maintenance and Microfilm at the National Library	Scientific Supervisor	1-4-22 until now
2	the Scientific Committee of the Centers for Restoration, Maintenance and Microfilm at the National Library	consultative	from 29/9/2016 until now
3	Egyptian journal for conservation of cultural heritage	Editor board	29/10/2016 until now
4	Member of the Editorial Board of journal of the Faculty of Archeology - Cairo University(JARCH)	Editor board	3/6/2020 until now
5	the technical committee for laboratories, laboratories and devices in the college	Active member	from 18 - 9 - 2013 until now
6	the trips committee for the academic year 2015/2016 Faculty of Archeology - Cairo University	Active member	2015/2016
7	the Education and Student Affairs Committee for the academic year 2014-2015, Faculty of Archeology, Cairo University	Active member	2014-2015
8	Training Unit for the academic year 2015-2016, Faculty of Archeology, Cairo University	Active member	2015-2016
9	the selection committee for the ideal student for the years 2015-2016 Faculty of Archeology - Cairo University	Active member	2015-2016
10	Journal of Heritage Science- Springer	reviewer	2019
11	Pigment & Resin Technology: The international journal of colorants, polymers and colour applications	reviewer	2020
12	International Biodeterioration& Biodegradation	reviewer	2020

X. Scientific Achievements (Research Paper Publication and Worksheets).

	Title	The journal	Publisher	I.F
1	Abdel–Gaffar, M.A; Abdel-Maksoud, G. RushdyaRabee, Ali Hassan; "Experimental Studies Some Consolidates Used for the Treatment of Vegetable Tanned Leather Artifacts"	9th Arabic international conference on polymer science and technology, 18-22 November, 2007, 10th of Ramadan City, Hurghada, Egypt	conference	-
2	RushdyaRabee, Mona F. Ali, Abdel-Gawaad Ali Fahmy, Sawzan Fakhry Halim, Preservation of Archaeological Leather by Reinforcement with Styrene Butadiene Rubber	Advanced Materials Research Vol. 1064 (2015) pp 15-20.	Scientific .Net Materials Science and Technology	0.5
3	RushdyaRabee Ali Hassan, Behavior of archeological paper after cleaning by organic solvents under heat accelerated ageing	Mediterranean Archaeology and Archaeometry, Vol. 15, No 3, (2015), pp. 141-150	University of the Aegean Department of Mediterranean Studies Laboratory of Archaeometry	0.33
4	RushdyaRabee Ali Hassan, A "tafsir Al khazen" manuscript (17th century AD. A technical study	International Journal of Conservation Science, Volume 6, Issue 3, July-September 2015: 369-382	Alexandru Ioan Cuza University Publishing house, Iasi (Romania)	0.6
5	RushdyaRabee Ali Hassan, A preliminary study on using line seed oil emulsion in dressing archaeological leather	Journal of Cultural Heritage, Volume 21(2016) 786-795.	Elsevier	2.5
6	RushdyaRabee Ali Hassan, Thermal degrading of paper : the structure changes of fibres ,	Egyptian Journal of Archaeological and Restoration Studies , Volume 6, Issue 2 (2016) 71-84	Sohag University Publishing Center (SUPC)	Scopus
7	RushdyaRabee Ali Hassan, Wael Sabry Mohamed , Effect of Methyl methacrylate/Hydroxyethyl Methacrylate copolymer on mechanical properties , optical & long –term durability of paper under accelerated ageing	International Journal of Conservation Science, ٢٠١٧ 8(2):237-250 .	Alexandru Ioan Cuza University Publishing house, Iasi (Romania)	0.6
8	Mansour, M. , Hassan, R. & Salem, M, Characterization of historical bookbinding leather by FTIR, SEM and EDX, and investigation of fungal species isolated from	Egyptian Journal of Archaeological and Restoration Studies , Volume 7, Issue 1, ,	Sohag University Publishing Center (SUPC)	Scopus

	the leather,	2017		
9	Maisa M. MANSOUR, Adel I. M. AKARISH, Rushdya R. A. Hassan and Ahmed S. A, SHOEIB. Analytical study of deteriorated Pharaonic textile from mummified burials – Saqqara	Center for the Global Study of Cultural Heritage and Culture, Kansai University, 5,2017	Center for the Global Study of Cultural Heritage and Culture, Kansai University	-
10	Rushdya R. A. Hassan· Maisa M. A. Mansour, A Microscopic Study of Paper Decayed by Trichodermaharzianum and Paecilomycesvariotii	Journal of Polymers and the Environment , 2018 Volume 26, Issue 7, pp 2698–2707	Springer	1.9
11	RushdyaRabee Ali Hassan,M. F. Ali , A. A. Fahmy, Use of SEM,FTIR and amino acid analysis method to assess the damage of some historical leather bookbinding from the XIX century ,stored in national archive ,Cairo	International Journal of Conservation Science, Volume 9, Issue 1, January-March 2018: 127-136	AlexandruIoan CuzaUniversit yPublishing house ,Iasi (Romania	0.6
12	RushdyaRabee Ali Hassan, WaelSabry Mohamed, The impact of methyl methacrylate hydroxyethyl methacrylate loaded with silver nanoparticles on mechanical properties of paper	Applied Physics A 124(8) (2018) 124:551.	Springer	1.6
13	Wafaa Anwar Mohamed, Amal Mohamed Abdel-Rahman, RushdyaRabee Ali Hassan, Ahmad KamelHegazy A new approach to the treatment of iron gall ink corrosion using plant biomass	Mediterranean Archaeology and Archaeometry, Vol. 18, No 2, (2018), pp. 35-47	University of the Aegean Department of Mediterranean Studies Laboratory of Archaeometry	0.33
14	SafaAbd El kader Mohamed Hamed and RushdyaRabee Ali Hassan Microscopic characterization of acidic paper manuscripts	Pigment & Resin Technology, (2019) Vol. 48 Issue: 2, pp.119-128, https://doi.org/10.1108/PRT-05-2018-0048	Emerald	0.7
15	RushdyaRabee Ali Hassan ,Fourier transform infrared spectroscopy to detect thermal degradation of vegetable and chrome-tanned leather.	Spectroscopy Letters, 52:5, (2019) 288-296, DOI: 10.1080/00387010.2019.1623262	Taylor & Francis	0.8
16	Hassan ,R.R.A, (2020) In Vitro Study for Use of Cactus Gel in Enhancing the Mechanical Strengths of Vegetable Tanned Leathers Under Accelerated Aging. International Journal of Precision Engineering and Manufacturing 21:145-155	International Journal of Precision Engineering and Manufacturing- 2020	Korean Society for Precision Engineering	1.7
17	RushdyaRabee Ali Hassan , The restoration of two historic leather bindings according to a new strategy	Journal of the Institute of Conservation, 2019 42:3, 210-225,	Taylor & Francis	0.5

		DOI: 10.1080/19455224.2019.1654532		
18	Hala A.M. Afifi, RushdyaRabee Ali Hassan, Mustafa A. Abd-EL-Fattah And Shima M. Menofy Characteration of Preperation ,pigment and binding media of archaeological cartonnage from Lisht,Egypt	Scientific culture ,6(1), 2020 9-23	University of the Aegean Department of Mediterranean Studies Laboratory of Archaeometry	Humanities International Index
19	WafikaNoshyWahba ¹ , EmanSalim ¹ , RushdyaRabee Ali Hassan ¹ A microscopic examination to monitor the historical paper dyeing techniques	Scientific culture Vol.6, No.2. 2020	University of the Aegean Department of Mediterranean Studies Laboratory of Archaeometry	Humanities International Index
20	Afifi, H.A.M., Galal, H.S. and RushdyaRabee Ali Hassan pharaoniccarronnage from a late period, Saqqara excavations".	Pigment & Resin Technology, 2020 Vol. 49 No. 4, pp. 255-264. https://doi.org/10.1108/PRT-07-2019-0061	Emerald	0.7
21	Using Polaroid- zinc Oxide Nanocomposites in Strengthening a Historical Printed Paper: Application to "AnnalesAgricoles"- 1829 AD RushdyaRabee Ali Hassan	Pigment & Resin Technology, (2020) Vol. 49 No. 5, pp. 369-375- DOI 10.1108/PRT-02-2020-0012	Emerald	0.7
22	WafikaNoshyutta, RushdyaRabee Ali Hassan, Mohamed Awd. Treatment of Paper Oxidation and Acidification by Linseed Gel with MgHCO ₃ and Zinc Oxide (NP).	International Journal of Archaeology. Vol. 8, No. 1, 2020, pp. 6-14. doi: 10.11648/j.ija.20200801.12	Science publishing group	
23	RushdyaRabee Ali Hassan,1 Mona F. Ali,1 Abdel-Gawaad A. Fahmy,2 Hayssam M. Ali,3,4 and Mohamed Z. M. Salem"Documentation and Evaluation of an Ancient Paper Manuscript with Leather Binding Using Spectrometric Methods,"	Journal of Chemistry, vol. 2020, Article ID 6847910, 10 pages, 2020.	Hindawi	1.7
24	Noshy W. Nazel, T «RushdyaRabee Ali Hassan & Hosni, A. the use of digital technology (2.5D) in the authenticity of manuscript from the Islamic era.	Egyptian Journal of Archaeological and Restoration Studies, – Vol. 10 (1) - June 2020: 1-7	Sohag university	Scopus
25	EmanSalim,aMostafa Abdel-Hamied, SehamSalim,aSheerenGamal, ShimaMohamed,aFatma El-ZahraGalal,aFatmaTarek, RushdyaRabee Ali	Bioresources,15,3,(2020). 6576-6599.	Bioresources	1.4

	Hassan, Hayssam M. Ali, and Mohamed Z. M. Salemm, Reduction of Borax / Agar-based Gel Residues Used to Neutralize Acidity of a Historical Manuscript with use of Different Paper Barriers: Artificial Ageing Results.			
26	SawsanSayedDarwish ¹ , Abou El FottouhA.Abdel Hakim, RushdyaRabee Ali Hassan , Mubarak Charles John Lado Evaluation the Effectiveness of CMC and Klucel-E Modified with TiO ₂ and ZnO Nanoparticles Used for Consolidation the Damaged Paper Maps	International journal of sciences: basic and applied research 2020,52(2) .217-232. 4		
27	Maisa M. A. Mansour,a Mohamed Z. M. Salem,b, RushdyaRabee Ali Hassan,aHayssam M. Ali, Dunia A. Al Farraj,c and Mohamed S. Elshikh Antifungal Potential of Three Natural Oils and Their Effects on the Thermo gravimetric and Chromatic Behaviors When Applied to Historical Paper and Various Commercial Paper Sheets	Bioresources,16(1)(2021) 492-514 .	Bioresources	1.4
28	RushdyaRabee Ali Hassan , Sodium dodecyl sulfate micro-emulsion as a smart cleaning agent for archeological manuscripts: surface investigations ,	The European Physical Journal Plus volume 136, Article number: 37 (2021)	Springer	3.2
29	Mansour, M.M.A., Ali Hassan, R.R., Moustafa Amer Mahmoud, S. and Akl, Y.M. (2021), "An analytical study on the relationship between the fungal degradation and multi-component nature of paper manuscripts Download as .RIS	", Pigment & Resin Technology, Vol. 50 No. 4, pp. 309-318. https://doi.org/10.1108/PRT-07-2020-0074	Emerald	0.8
30	RushdyaRabee Ali Hassan,aSalwaMoustafaAmerMahmoud,a Marina AtefNessema,aRehamTarek Abdel Aty,a Mariam George Ramzy, and Mohamed Z. M. Salem , Hydroxypropyl Cellulose Loaded with ZnO Nanoparticles for Enhancing the Mechanical Properties of Papyrus (Cyperus papyrus L.) Strips, Bioresources,16(2)(2021) 2607- 2625.	Bioresources,16 (2)(2021) 2607-2625.	Bioresources	1.4
31	Hala A.M. Afifi, RushdyaRabee Ali Hassan*, and Shimaa M. Menofy, An experimental study for consolidation of archeological cartonnage using klucel G and chitosan, with Nano calcium	SCIENTIFIC CULTURE, Vol. 7, No. 2, (2021), pp. 49-68	University of the Aegean Department of Mediterranean Studies Laboratory of	Humanities International Index

			Archaeometry	
32	Noshy, W., Ali Hassan, R.R. and Mohammed, N. (2022), "Using biopolymers to strengthen the historical printed paper: mechanical and optical characters", <i>Pigment & Resin Technology</i> , Vol. 51 No. 2, pp. 212-226. https://doi.org/10.1108/PRT-01-2021-0008	, <i>Pigment & Resin Technology</i> , 2022 Vol. 51 No. 2, pp. 212-226. https://doi.org/10.1108/PRT-01-2021-0008	Emerald	1.2
33	RushdyaRabee Ali Hassan,aSalwaMoustafaAmer Mahmoud, Youssef Ahmed Karam,aShaimaa Mohamed Salah,a Sara YousefEbrahim,a Mahmoud Adel Abdelwahab, Al-Hussein Muhammad Hassan Ahmed, Hayssam M. Ali, Martin Böhm, and Mohamed Z. M. Salem ,Application of Frankincense and Rice Starch as Eco-Friendly Substances for the Resizing of Paper as a Conservation Practice	Bioresources 16(4) (2021),7180-7204	Bioresources	1.4
34	Rushdya Rabee Ali Hassan ,Recently discovered corn mummy in Ibis – south of Abu sir- north of Saqqara : a case study,	International Journal of Conservation ,12(3) (2021) 879-892	AlexandruloanC uzaUniversityPu blishing house ,Iasi (Romania	0.6
35	Mazen, B.S.M., Ismail, B.M., Ali Hassan, R.R. and Ali, M. (2023), "Damage caused by black inks to the chemical properties of archaeological papyrus – analytical study",	<i>Pigment & Resin Technology</i> , Vol. 52 No. 1, pp. 73-81. https://doi.org/10.1108/PRT-08-2021-0088	Emerald	1.2
36	Elmetwaly, T. E., Darwish, S. S., Attia, N. F., Hassan, R. R. A., el Ebissy, A. A., Eltaweil, A. S., Omer, A. M., El-Seedi, H. R., &Elashery, S. E. A. (2022). Cellulose nanocrystals and its hybrid composite with inorganic nanotubes as green tool for historical paper conservation.	<i>Progress in Organic Coatings</i> , 168, 106890. https://doi.org/10.1016/j.porgcoat.2022.106890	Elsevier	6.2
37	Salim, E. and Ali Hassan, R.R. (2024), "Alkyl dimethyl benzyl ammonium chloride as a new cleaner for washing treatments for historical printed paper",	<i>Pigment & Resin Technology</i> , Vol. 53 No. 2, pp. 164-172. https://doi.org/10.1108/PRT-04-2022-0052	Emerald	1.2
38	Abdel-Hamied, M., Hassan, R.R.A., Salem, M.Z.M. <i>et al</i> ,Potential effects of nano-cellulose and nano-silica/polyvinyl alcohol nanocomposites in the strengthening of dyed paper manuscripts with madder: an experimental study	Scientific Reports (2022) 12:19617 https://doi.org/10.1038/s41598-022-23907-1	Springer	4.9

39	Hassan, RRA, Hassan, HM, Mohamed, YA, Ismail, MEM, Farid, YF, Mohamed, H, Ismail, SH, Salem, MZM, Abdel-Hamied, M. ZnO, TiO ₂ and Fe ₃ O ₄ / Carbopol hybrid nanogels for the cleaner process of paper manuscripts from dust stains and soil remains.	Heritage Science. 2023;11(221).	Springer	
40	Mona F. Ali, Hassan, R.R.A., ANALYTICAL STUDY TO DETERMINE THE USE OF ANIMAL RENNET IN THE MANUFACTURE OF ANCIENT EGYPTIAN FOSSIL CHEESE,	international journal of conservation of conservation Volume 14, Issue 4, October-December 2023: 1405-1416 science , DOI: 10.36868/IJCS.2023.04.10	Alexandru Ioan C. uza University Publishing house , Iasi (Romania)	0.6
41	W, N., H. R, A. Mahmoud, and E. Salim", "Identification of pigments on the 19th Century French Shell Pattern In Marbling Paper",	Scientific Culture , vol. Vol. 9, No. 3, (2023, 2023. 5_eman_2nd.pdf		
42	Hassan, R.R.A., Mohamed, W.S., Salem, M.Z.M. <i>et al.</i> Cellulose and gellan gum compresses for cleaning mud and pomegranate stains from a historical printed paper.	<i>Discov Appl Sci</i> 6 , 43 (2024). https://doi.org/10.1007/s42452-024-05658-y	Springer	
43	Mazen, B.S.M., Ismail, B.M., Ali Hassan, R.R., Ali, M. and Mohamed, W.S. (2024), "Use of carboxymethyl cellulose, Klucel G, gum Arabic and zinc oxide nanoparticles nanocomposite as strength agents for inked papyrus	", <i>Pigment & Resin Technology</i> , Vol. ahead-of-print No. ahead-of-print. https://doi.org/10.1108/PRT-12-2023-0123 Download as .RIS	Emerald	1.4
44	Salem, M.Z.M., Abdel-Hamied, M., Hassan, R.R.A. et al. Hydroxypropyl Cellulose and Gum Arabic Loaded with Silver Nanoparticles for the Consolidation Process of Papyrus Sheets. - 01141-8	<i>Chemistry Africa</i> (2024). https://doi.org/10.1007/s42250-024	Springer	2.2