



Curriculum Vitae



وحدة ضمان الجودة

Personal information

Name	Samya Ibrahim El-Sherbiny		
Address	Chemistry department , Faculty of Science, Helwan Univ.		
Telephone	0225520250	Mobile:	01008926066
E-mail	Samya.elsherbiny@gmail.com		
Nationality	Egyptian		
Date of birth	21/10/1967		
Fax(es)			
الرقم القومي			
الدرجة الاكاديمية	Associate Prof.		
الاسم العلمى للنشر	Samya El-sherbiny		

Education

	جامعة الحصول عليها	السنة	التخصص
Ph.D	Helwan University	1998	Physical chemistry
M.Sc	Helwan University	1994	Applied Chemistry
B.Sc	Helwan university	1989	Chemistry

التسلسل الوظيفي (Current / Previous positions)

Title	السنة	التخصص
Demonstrator	1990-1994	Chemistry
Ass. Lecturer	1994-1998	Applied Chemistry
Lecturer	1998-2006	Applied Chemistry
Ass. Prof	2006- till now	Applied Chemistry

الأنشطة العلمية و البحثية

م	البند خلال السنة			
1	المشاركة فى الخطة البحثية للقسم	√		
2	المشاركة فى إنشاء / تطوير المعامل البحثية	√		
3	عدد رسائل الماجستير / الدكتوراه التى تقوم بالاشراف عليها		الماجستير 5	الدكتوراه 0
4	عدد رسائل الماجستير / الدكتوراه التى تقوم بتحكيمها		الماجستير 2	الدكتوراه 0
5	الاشتراف فى لجان امتحان القبول للدبلوم / للماجستير/ الدكتوراه	√		
6	المشاركة بالمحاضرات العامة و ندوات الرسائل العلمية بالقسم	√		

Publications الأبحاث

م		البلد	اسم المجلة	سنة النشر
1-	Enhancing egyptian kaolinite via calcination and dealumination for application in paper coating, Samya El-Sherbiny, Fatma A. Morsy, Mervat S. Hassan and Heba F. Mohamed, accepted in 1-11, 2015.	UK	Journal of Coatings Technology and Research,	2015
2	Preparation and modification of nano calcium carbonate filler from waste marble dust and commercial limestone for papermaking wet end application,, S. El-Sherbiny, S. M. El-Sheikh, A. Barhoum, , 279, 290-300, 2015.	USA	Powder Technology	2015
3	Application of nanostructured titanium dioxide pigments in paper coating: a comparison between prepared and commercially available ones, FA Morsy, S El-Sherbiny, M Samir, OA Fouad, , 1-10, 2015	UK	Journal of Coatings Technology and Research,	2015
4	Preparation of superhydrophobic nanocalcite crystals using Box-Behnken design -SM El-Sheikh, A Barhoum, S El-Sherbiny, F Morsy -		Arabian Journal of Chemistry,	2014
5	Preparation and characterization of ultra-hydrophobic calcium carbonate nanoparticles A Barhoum, SM El-Sheikh, F Morsy, S El-Sherbiny, F Reniers, T Dufour,-	US	- IOP Conference Series: Materials Science and Engineering 64 (1), 012037.	2014
6	Modification and evaluation of Egyptian kaolinite as pigment for paper coating. Fatma A. Morsy a, Samya El-Sherbiny a, Mervat S. Hassanb, Heba F. Mohammed b		Powder Technology, 264 (2014) 430–438	2014
7	Preparation of Water Based Polymeric Binders and their Application in Paper Coating. Samya El-Sherbiny, Fatma Morsy, Ayman M. Atta, Salwa A. Ahmed	US	j. Surf. Eng. Mater. & Adv. Techol., 4,140-154	2014
8	Effects of cationic surfactant during the precipitation of calcium carbonate nano-particles on their size, morphology, and other characteristics-SM El-Sheikh, S El-Sherbiny, A Barhoum, Y Deng-	US	Colloids and Surfaces A: Physicochemical and Engineering Aspects 442, 44-49 (2013)	2013
9	Preparation of Water Based Polymeric Binders for Paper Surface Coating- S El-Sherbiny, FA Morsy,		Journal of Surface Engineered Materials and	2014

	AM Atta, SA Ahmed-		Advanced Technology 4:140-154. 2014	
10	Synthesis, characterization and application of TiO ₂ nanopowders as special paper coating pigmentS El-Sherbiny, F Morsy, M Samir, OA Fouad -	Germany	Applied Nanoscience 4 (3), 305-313 (2013)	2013
11	Preparation of Modified Kaolin Filler with Cesium and Its Application in Security Paper-H El-Saied, S El-Sherbiny, O Ali, W El-Saied, S Rohyem-		Advances in Materials Science and Engineering 2013	2013
12	Surface and Adsorption Parameters of Water Soluble Polymeric Surfactants Based on Ethoxylated Schiff Base Polymers in Aqueous Medium-AM Atta, SI El-Sherbiny, AM Salah, AR Abd El-hafiez Ahmed-		Journal of Dispersion Science and Technology 34 (8), 1113-1123, (2013).	2013
13	Liquid crystalline behavior of hydroxypropyl cellulose esterified with 4-alkoxybenzoic acid. NAEA El-Wakil, Y Fahmy, REM Abou-Zeid, A Dufresne, S El-Sherbiny- -		BioResources 5 (3), 1834-1845, (2010).	2010
14	Synthesis of New Cationic Surfactants Based on Recycled Poly(ethylene terephthalate) for Deinking of Solvent-Based Ink from Low-Density Polyethylene Surface Samya I. El-Sherbiny,1 Fatma A. Morsy,1 Ayman M. Atta2	US	Journal of Applied Polymer Science, (2010) 118, 1160–1172	2010
15	A Study into the Influence of Paper Coatings on Paper Properties and Print Quality of Dye Sublimation Thermal Prints-H. S. Elsayad and S. El-Sherbiny,		Polymer-Plastics Technology and Engineering, - 47: 122–136, 2008	2008
16	Effect of Paraffin Wax Characteristics on the Formulation and rheology of Waxed-based Binders.Fathi S. Soliman , Magdy T. Zaky, Amal S. Farag, N. O. Shaker, Samya El-Sherbiny and Samir Elsayad,		Mansoura Journal of chemistry, Vol. 34 (2), December, 2007.	2007
17	The Role of Neutral Rosin-Alum Sizing Agent in Production of Permanent Paper and Offset Print- Altat H. Basta, Houssni El-Saied, Samar H. Mohamed and Samya El-Sherbiny-		Restaurator, International Journal for the Preservation of Library and Archival Material, Vol. 27, No. 2, pp.67-80, 2006.	2006
18	Surface Characteristics of the Coated Paper Improved by Plastic Pigments and Synthetic Thickeners,S. El-Sherbiny and H. Xiao -		Industrial and Engineering Chemistry Research , Vol. 44 , No. 26, pp 9875 - 9883, 2005.	2005

19	A systematic approach to Egyptian ballpoint ink analysis for forensic science application. Fatma A. Morsy, Samya I. El-sherbiny and Mohamed Awadalla,	Taiwan	Forensic Science Journal, Vol.4, No.1, p.1-13,	2005
20	the role of some retention aids in water based gravure printing", Samya El-Sherbiny, Fatma A. Morsy and Essam S. Abdel- Saied,	UK	Paper technology, Vol. 46, No. 4, p.39-46,	2005
21	Characteristics of clay and GCC pigment coatings containing synthetic polymeric thickeners Samya El-Sherbiny and Huining Xiao.,		Appita Journal, Vol. 58, No. 2, P 116-121, March 2005.	2005
22	Thermal behaviour of paperboard: Influence on mechanical properties, fibre morphology and print quality. Samya El-sherbiny , Fatma A. Morsy , Samir Elsayad and Hanan Abd El-Kader,	UK	Paper Technology, Vol. 46, No. 2, p.33-38, 40-42,	2005
23	Mechanical properties of coated paper: Influence of coating properties and pigment blends. F. A. Morsy and S. El-Sherbiny,	USA	Journal of Materials Science , Vol. 39, No. 24, p. 7327-7332	2004
24	Effect of polymeric thickeners on pigment coatings: Adsorption , rheological behaviour and surface structure-Samya El-Sherbiny and Huining Xiao-		Journal of Materials Science , Vol. 39, No. 14, p. 4487-4493., 2004.	2004
25	A Review of Printing Ink Transfer Equations Samya el-sherbiny, S. Elsayad -, G		gravure vol. 18, No. 5, p31-34, 36-46, October 2004.	2004
26	<i>The influence of some paper parameters on gravure print quality</i> S. EL-Sherbiny, -		Surface Coatings International Part B: Coatings Transactions Vol.86, B4, 263–271, December 2003.	2003
27	<i>- Factors affecting gravure print quality of coated paper. Part II: influence of supercalendering conditions and pigment types-</i> Samya El-Sherbiny and Chris P. Wilkins		Ink Maker Vol 81, No. 7, pp 28-32, September 2003	2003
28	Factors affecting optical density in gravure printing. S. Elsayad., F. Morsy, S. El-Sherbiny and E. Abdou.,	USA	Gravure, Vol. 16, No.6, pp 80-86,	2002
29	Some Factors Affecting Ink Transfer in Gravure Printing. S. Elsayad., F. Morsy, S. El-Sherbiny and E. Abdou,	UK	Pigment and Resin Technology , Vol. 31, No. 4, pp 234-240	2002
30	Effect of some paper coating parameters on print		Surface Coatings	

	gloss of offset prints. Elsayad. S., El-Sherbiny, S., Morsy F., Wiseman. N., Houssni El-Saied ,	UK	International, Vol. 85, A 5, p. 205-210,	2001
31	The influence of some paper coating parameters on ink transfer. Elsayad, S., El-Sherbiny, S., Morsy, F., Wiseman, N., Pearson, K.	UK	International symposium on printing and coating technology, 6-9 September, (1998), Swansea, UK.	1998
32	The printing industry: a new application field for inductively coupled plasma spectrometry. El-Sherbiny, S., Elsayad, S., Barakat, A., Morsy, F., Wiseman, N	Switzerland	Euroanalysis 10, September 6-11, (1998), Basel, Switzerland.	1998
33	<i>Effect of Polymeric Thickeners and Plastic Pigments on the Surface Characteristics of Pigment Coated Paper-</i> S. El-Sherbiny and H. Xiao-		PAPTAC 91st ANNUAL MEETING, Montréal, Canada, Feb. 7-10, 2005, p D495-D499	2005
34	“Adsorption Behaviour of Polymeric Thickeners onto Mineral Pigments and the Effect on Viscosity of Coating Mixtures ,S. El-Sherbiny and H. Xiao,		”, 5 th International Paper and Coating Chemistry Symposium Delta Centre –Ville Hotel, Montreal, Quebec, Canada, June 16-19, 2003.	

Teaching/Research Hours (المواد – ساعات عمل التدريس – ساعات عمل الأبحاث)						
	Courses (المواد)	الساعات	عدد الأبحاث	الساعات	الساعات المكتبية	مجموع الساعات
1st Term	Applied chemistry 1 Applied Chem.8 paper technology(post)	1+2 2+2 1	1	4	6	18
2nd Term	- Applied Chem.14 -solid waste management (post)	2 2	1	4	6	14

Social Actives (خدمة المجتمع) :

مؤتمرات – ندوات – إجتماعات – إشراف			
	اسم المؤتمر او الندوة	المكان (البلد)	سنة
ندوات			
مؤتمرات	1. El-Sherbiny, S., Elsayad, S., Barakat, A., <u>Morsy, F.</u> , Wiseman, N. " <i>The printing industry: a new application field for inductively coupled plasma spectrometry</i> ". Euroanalysis 10, September 6-11, (1998), Basel, Switzerland.	Basel, Switzerland	1998
	2. Elsayad, S., El-Sherbiny, S., <u>Morsy, F.</u> , Wiseman, N., Pearson, K., " <i>The influence of some paper coating parameters on ink transfer</i> ", International symposium on printing and coating technology, 6-9 September, (1998), Swansea, UK.	Swansea, UK.	1998
	3. <u>S. El-Sherbiny</u> and H. Xiao- " <i>Effect of Polymeric Thickeners and Plastic Pigments on the Surface Characteristics of</i>	Canada	2005

	<p><i>Pigment Coated Paper</i>- PAPTAC 91st ANNUAL MEETING, Montréal, Canada, Feb. 7-10, 2005, p D495-D499</p> <p>4. S. El-Sherbiny and H. Xiao, "Adsorption Behaviour of Polymeric Thickeners onto Mineral Pigments and the Effect on Viscosity of Coating Mixtures", 5th International Paper and Coating Chemistry Symposium Delta Centre –Ville Hotel, Montreal, Quebec, Canada, June 16-19, 2003.</p>	Canada	2003
إشراف رسائل	Supervising MSc research projects entitled:		
	1. An investigation into the influence of paperboard temperature on ink transfer and print quality, 2004	Helwan Univ.	1999
	2. A study in locally produced ballpoint inks for the identification of questioned documents` age, 2001	Helwan Univ.	2001
	3. Prolongation of shelf life of certain Egyptian food products, 2007	Helwan Univ.	2007
	4. Comparative study on formulation of some different wax-based binders and their debinding from green molded bodies	Helwan Univ.	2007
	5. Preparation of Nano-calcium Carbonate, nano silica and their Composite for Application in Papermaking Industry,2011	Helwan Univ.	2011

	6. Synthesis of Some Poly Condensed Water Soluble Schiff Base Derivatives and Their Application in Petroleum Field	Helwan Univ.	2012
	7. Modification of MMT Clay Using Modified Carbohydrate Base Materials for Preparation of Eco-save Nanocomposites	Helwan Univ.	2012
	8. Ion Exchange on Clay Minerals and their Application in Security Paper		
	9. Reduction of Pollutant Load in an Emulsion Paints Industry Wastewater	Helwan Univ.	2013
	10. Synthesis of Some Water Based Polymeric Binders and Their Application in Paper Coatings	Helwan Univ.	2013
	11. Preparation and Application of Nano Structured Titanium Dioxide in Paper Coating, 2013.	Helwan Univ.	2013
	12. Preparation and Application of modified Egyptian kaolin for paper coating.	Helwan Univ.	2014
	<p>Supervising the current M.Sc. research project entitled:</p> <p>1. Preparation of epoxy coating composite based on zinc oxide</p>	Helwan Univ.	

	<p>nano particles for corrosion protection of petroleum equipments.</p> <p>2. Improving PVC properties using polymer nanocomposites</p> <p>3. Metal Nanoparticles-Based Inks For Advanced Flexible Printed Circuit Boards Applications</p> <p>Supervising one Ph.D. research projects entitled:</p> <ul style="list-style-type: none"> - Novel Application of Some Luminescent Materials for Anti-counterfeiting Purposes - 	<p>Helwan Univ.</p> <p>Helwan Univ.</p> <p>Ain shames univ</p>	
<p>انشطة اخرى (المناقشات المفتوحة)</p>			
<p>المشاركة في الانشطة الريادة الطلابية</p>	<p>- تنظيم الزيارات العلمية لطلبة شعبة الكيمياء التطبيقية</p> <p>- المشاركة في تجهيز بروتوكول تعاون مع شركة ايماك لصناعة الورق لتدريب الطلاب والاستشارات العلمية</p> <p>- منسق شعبة الكيمياء التطبيقية بقسم الكيمياء بالكلية</p>		
<p>الانشطة المحلية و القومية و العالمية</p>			

الاعمال المتعلقة بتعزيز / تحسين العملية التعليمية :

1	المشاركة في تطوير و تحديث اللوائح الدراسية	أسم اللوائح الساعات المعتمده
2	المشاركة في متابعة تنفيذ خطط تحسين البرامج	عدد البرامج 1 أسماء البرامج الكيمياء التطبيقية
3	المشاركة في تطوير المعامل	<p>نوع المشاركة:</p> <p>- تجهيز معامل الكيمياء بمبنى قسم الرياضيات (مشروع تطوير تدريس الكيمياء)</p> <p>- تطوير معمل الورق والطباعة وحصوله على الاعتماد المحلى والدولى</p>
4	المشاركة في التدريب الصيفى	عدد الطلاب 25 المقررات المستفيدة: ك ت 4, 5, 6, 8, 10, 12, 13
5	المشاركة في الاشراف على مشروع التخرج	عدد الطلاب 4 عدد مشروعات التخرج 4

6	الارشاد الاكاديمي لمجموعة من الطلاب	عدد الطلاب 5
7	المشاركة فى أعمال الكنترول / الامتحانات	كنترول الدراسات العليا
8	المشاركة فى وحدة ضمان الجودة	نوع المشاركة : منسق شعبة الكيمياء التطبيقية (تجهيز ومراجعة برنامج الشعبة ومراجعة توصيف المقررات والتقارير)
9	المراجعة الخارجية بمؤسسات تعليمية أخرى	
10	أخرى – إن وجد	