



Curriculum Vitae



وحدة ضمان الجودة

Personal information

Name	Prof. Dr. Hoda Z. Shams		
Address	40 El Falah Street, Mohandeseen, Giza, 12411, Egypt		
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E-mail	Shamshodaz@yahoo.com		
Nationality	Egyptian		
Date of birth			
Fax(es)			
الرقم القومي			
الدرجة الاكاديمية	Professor of Organic Chemistry		
الاسم العلمى للنشر	Hoda Z. Shams		

Education

	الجامعة المانحة للدرجة	السنة	التخصص
Ph.D	Ph.D., Organic Chemistry, Faculty of Science, Cairo University.	(1977)	Organic Chemistry
M.Sc	., Organic Chemistry, Faculty of Science, Cairo University.	(1970)	Organic Chemistry
B.Sc	B.Sc., Chemistry, Faculty of Science, Cairo University.	(1963)	Chemistry

التسلسل الوظيفي (Current / Previous positions)		
الوظيفة	السنة	التخصص
Demonstrator and Lecturer	(1963-1971)	Organic Chemistry
Lecturer	(1971-1986)	Organic Chemistry
Associate Professor of Organic and Applied Organic Chemistry	(1986-1993)	Organic Chemistry
Professor of Organic Chemistry	(1993- Present)	Organic Chemistry

الانشطة العلمية و البحثية

م	البند خلال السنة	
1	المشاركة فى الخطة البحثية للقسم	نعم
2	المشاركة فى إنشاء / تطوير المعامل البحثية	
3	عدد رسائل الماجستير / الدكتوراه التى تقوم بالاشراف عليها	الماجستير 8 الدكتوراه 5
4	عدد رسائل الماجستير / الدكتوراه التى تقوم بتحكيمها	الماجستير 4 الدكتوراه 4
5	الاشتراك فى لجان امتحان القبول للدبلوم / للماجستير/ الدكتوراه	نعم
6	المشاركة بالمحاضرات العامة و ندوات الرسائل العلمية بالقسم	نعم

Publications الأبحاث

م		البلد	اسم المجلة	سنة النشر
1	<ul style="list-style-type: none"> Novel Synthesis and Antitumor Evaluation of Polyfunctionally Substituted Heterocyclic Compounds Derived from 2-Cyano-N-(3-cyano-4,5,6,7-tetrahydrobenzo[b]thiophen-2-yl)-acetamide. H. Z. Shams; R. M. Mohareb; M. H. Helal and A., E. Mahmoud, , 16, 52-73 (2011). 		<i>Molecules</i>	2011
2	<ul style="list-style-type: none"> Design and synthesis of novel antimicrobial acyclic and heterocyclic dyes and their precursors for dyeing and/or textile finishing based on 2-N-acylamino-4,5,6,7-tetrahydrobenzo[b]thiophene systems. H. Z. Shams; R. M. Mohareb; M. H. Helal; A. E. Mahmoud, <i>Molecules</i>, 16, 6271-6305 (2011). 		<i>Molecules</i>	2011
3	<ul style="list-style-type: none"> Synthesis and application of novel disazo pyrazolo[1,2-a] pyrazole reactive dyes. H. Z. Shams, Y. A. Youssed, M. H. Helal, M.M. El-zawahry, F. A. Mohamed and E. A. Elkhatadly, <i>Pigment and Resin Tech.</i> 38 (6), 372-379 (2009). 		Pigment and Resin Tech	2009
4	<ul style="list-style-type: none"> Synthesis and dyeing properties of new reactive dyes derived from heterocyclic pyrazolo[1,2-a] pyrazole component: Y. A. Youssed, F. A. Mohamed , M. Elzawahry, E. A. Elkharadly, H. Z. Shams. <i>Textile Processing: State of the Art & Future Developments</i>, 5(xlv), 941-947(2008). 		Textile Processing: State of the Art & Future Developments	2008
5	<ul style="list-style-type: none"> Synthesis of new disperse azodyes based on oxopyridine core Hoda Z. Shams, Rafat M. Mohareb. Maher H. Helal and Eman M. Samir, <i>Pigment & Resin Tech.</i> 37 (5), 299-307 (2008). 		Pigment & Resin Tech.	2008

6	<ul style="list-style-type: none"> Synthesis, structure elucidation and dyeing performance of novel functionalized reactive azodyes based on substituted 1,5-dioxopyrazolo [1,2-a] pyrazole core. Hoda Z. Shams, Yehia A. Youssef, Maher H. Helal, Fatma M. Ali, Manal El-Zawahry, Elham A. El-Kharadly. "Sent For Publication, <i>Dyes & Pigments</i>, 2007". 		Dyes & Pigments,	2007
7	<ul style="list-style-type: none"> Synthesis, structure, elucidation and biological evaluation of some fused and/or pendant thiophene, pyrazole, imidazole, thiazole, triazole, triazines and coumarin systems based on cyanoacetic 2-[(benzoyl-amino)thioxomethyl]hydrazide. Hoda Z. Shams, Rafat M. Mohareb, Maher H. Helal and Amira E. Mahmoud. <i>Phosphorous, Sulfur, silicon and Related Elements</i> , 182 (2) : 237-263, 2007. 		<i>Phosphorous, Sulfur, silicon and Related Elements</i>	2007
8	<ul style="list-style-type: none"> Synthesis and application of disazo reactive dyes derived from heterocyclic fused pyrazole components. Y. A. Youssef, M. M. El-Zawahry, F. A. Mohamed, Hoda Z. Shams and E. A. El-Kharadly, International Fiber Conference, Engineer House, Seoul University, Seoul, Korea, The Korean Fiber Society, (30/5/2006-3/6/2006). B4-11, P.201-202 (2006). 		The Korean Fiber Society,	2006
9	<ul style="list-style-type: none"> Synthesis of polyfunctionally substituted thiophene, thieno[2,3-b] pyrimidine and thieno[2,3-d] pyrimidine derivatives. Waganat W. Wardakhan, Hoda Z. Shams and Hosam E. moustafa, <i>Phosphorous, Sulfur, silicon and Related Elements</i>, 180 (8), 1815-1827 (2005). 		<i>Phosphorous, Sulfur, silicon and Related Elements</i>	2005
10	<ul style="list-style-type: none"> A novel synthesis of 1-oxathieno[3', 2/3,4]pyrazolo[1,2-a] pyrazole azo dye systems for dyeing of synthetic and modified cellulose fibers. 		<i>Pigment & Resin Tech.</i>	2001

11	<p>Hoda Z. Shams, Maher H. Helal, Fatma A. Mohamed and Sayed A. Abdhafiz, <i>Pigment & Resin Tech.</i> 30 (3), 158 (2001).</p> <ul style="list-style-type: none"> • A novel synthesis of polyfunctionally substituted pyrazolo [1,2-a] pyrazole, and thieno [3', 2'-3, 4] pyrazolo [1,2-a] pyrazole systems. Hoda Z. Shams, Maher H. Helal and Fatma A. Mohamed, <i>Phosphorous, Sulfur, silicon and Related Elements</i>, 174, 255 (2001). • Synthesis of new series of polyfunctionally substituted pyrazole azo dye systems for dyeing of synthetic and modified cellulose fibers. Hoda Z. Shams, Maher H. Helal and Fatma A. Mohamed, <i>Pigment & resin Tech.</i> 30 (2), 99 (2001). • Novel synthesis of N-amino-2-pyridones and cycloalkene ring fused pyridines containing benzothiazole moiety. Galal H. El Gemeie, Hoda Z. Shams, Yehia M. Elkholy and Nermeen S. Abbas, <i>Heterocyclic Communications</i> 6 (4) 363 (2000). • Novel synthesis of pyrido [2,1-b] benzothiazoles and 1,3-benzothiazole derivatives. Galal H. El Gemeie, Hoda Z. Shams, Yehia M. Elkholy and Nermeen S. Abbas, <i>Phosphorous, Sulfur, silicon and Related Elements</i>, 165, 265 (2000). • Synthetic potentialities of thiophene systems in heterocyclic synthesis: a novel synthesis of thieno [2,3-b] pyridine derivatives. Hoda Z. Shams, Yehia M. Elkholy, Rasha A. Azam, Rafat M. Mohareb, <i>Phosphorous, Sulfur, silicon and Related Elements</i>, 155, 215-233 (1999). • A convenient synthesis of polyfunctionally substituted benzothiophen-2-yl pyrimidine, pyrazole, isoxazole and pyridazine derivatives. Sherif M. Sherif, R. M. 		<p><i>Phosphorous, Sulfur, silicon and Related Elements.</i></p> <p><i>Pigment & resin Tech.</i></p> <p><i>Heterocyclic Communications</i></p> <p><i>Phosphorous, Sulfur, silicon and Related Elements,</i></p> <p><i>Phosphorous, Sulfur, silicon and Related Elements.</i></p> <p><i>J. Chem. Res (S).</i></p>	<p>2001</p> <p>2001</p> <p>2000</p> <p>2000</p> <p>1999</p> <p>1995</p>
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<p>Mohareb, Hoda Z. Shams and Hatem M.M. Gaber, <i>J. Chem. Res (S)</i>, 434-435 (1995); (M), 2658-2674 (1995).</p> <ul style="list-style-type: none"> • A novel approach for the local production of naphthoquinone diazide systems as positive photoresists in the field of preparation of lithographic printing surface. Hoda Z. Shams, Mohamed Y. Ahmed and Magdy E. Abdelkader, patent no. 94050314 (29/5/1994): Academy of Scientific Research and Technology, Cairo, Egypt. A thesis entitled "Synthesis of photosensitive naphthoquinone diazide polymers & their utility as positive photoresists for platemaking. • Substituted carbamic acid derivatives in heterocyclic synthesis: a new approach for the synthesis of coumarin, pyrazole, pyridine, pyrimidine and triazine derivatives using ethyl cyanoacetylcarbamate. Hoda Z. Shams, <i>Egyptian Journal of Applied Science</i>. 7 (11), 51-61 (1992). • The uses of 4-phenyl-3-thiosemicarbazide in heterocyclic synthesis. Novel synthesis of thiazole, pyrazole and 1,3,4- thiadiazine derivatives. Rafat M. Mohareb, Hoda Z. Shams and Yehia M. El-Kholy, <i>Phosphorous, Sulfur, silicon and Related Elements</i>, 72, 93-102 (1992). • Reaction of phenyl isothiocyanate and sulfur with dimeric adducts: novel synthesis of thiazoles, thiazolo [4,5-d] pyrimidine and thiazole [4,5-d] pyridine derivatives. Rafat M. Mohareb, Hoda Z. Shams and Yehia M. Elkholy, <i>Phosphorous, Sulfur, silicon and Related Elements</i>, 70, 317-324 (1992). • Reaction of benzoyl isothiocyanate with active methylene reagents: a novel synthesis of thiophene, 		<p><i>Egyptian Journal of Applied Science</i>.</p> <p><i>Phosphorous, Sulfur, silicon and Related Elements</i>.</p> <p><i>Phosphorous, Sulfur, silicon and Related Elements</i>.</p> <p><i>J. Chin. Chem. Soc.</i></p>	<p>1992</p> <p>1992</p> <p>1992</p> <p>1992</p>
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<p>thiazoline and thieno [2,3-d] pyrimidine derivatives. Rafat M. Mohareb, Suzan I. Aziz, Nadia I. Abdel Sayed and Hoda Z. Shams, <i>J. Chin. Chem. Soc.</i> 181-187 (1992).</p> <ul style="list-style-type: none"> • Novel synthesis of coumarin-3-yl-1,3-thiazole, 2-coumarin-3-carbonyl-thieno [2,3-b] pyridine and 2-coumarin-3-carbonyl thiophene derivatives. Rafat M. Mohareb, Hoda Z. Shams and Suzan I. Aziz, <i>J. Chem. Res. (S)</i>, 154-155 (1992), (M) 1132-1146 (1992). • Developments in printing ink formulations: a new series of polyfunctionally substituted pyridine azo and hydrazono derivatives for screen printing of textiles. Hoda Z. Shams, <i>Pigment & Resin Tech.</i>, 21 (7), 4 (1992). • Studies with polyfunctionally substituted pyridazines: synthesis of 4- coumarin-3-yl pyridazines. Rafat M. Mohareb, Hoda Z. Shams and Mohamed H. Elnagdi, <i>Gazzetta Chimica Italiana</i>, 122, 41 (1992). • Reaction with 4-phenyl-3-thiosemicarbazide: a new approach for the synthesis of pyrazole, thiazole, pyridine and pyrazolo-[3,4-b] pyridine derivatives. Rafat M. Mohareb, Hoda Z. Shams and Suzan I. Aziz, <i>Sulfur Letters</i> 13 (3), 101-113 (1991). • Developments in printing ink formulation. A new series of high quality printing inks for metals and foils. Hoda Z. Shams, Mahmoud Y. Ahmed and Magdy F. Abbas, <i>Pigment & Resin Tech.</i>, 20 (5), 4-8 (1991). • The biocidal activity of some novel substituted heterocyclic thiopyran derivatives. N. Y. Abadir, M. E. Husein, Hoda Z. Shams and Y. M. Elkholi. The first Anglo Egyptian conference on bioscience and 		<p><i>J. Chem. Res. (S)</i>.</p> <p><i>Pigment & Resin Tech.</i></p> <p>Elnagdi, <i>Gazzetta Chimica Italiana</i>.</p> <p><i>Sulfur Letters</i></p> <p><i>Pigment & Resin Tech.</i></p> <p>Egyptian conference on bioscience and technology.</p>	<p>1992</p> <p>1992</p> <p>1992</p> <p>1991</p> <p>1991</p> <p>1990</p>
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<p>technology. (Nov. 10-15, 1990 .</p> <ul style="list-style-type: none"> • Brmoacetophenones in heterocyclic synthesis: a convenient one-pot synthesis and the chemical behaviour of 3-bromomethylbenzo [d] isoxazole. R. M. Mohareb, S. M. sheriff, Hoda Z. Shams and A. M. El-Torgoman. <i>Z. Naturforsch</i> 45b, 1067-71 (1990). • Activated nitriles in heterocyclic synthesis: a new approach for the synthesis of thiazinone, quinazoline and benzimidazole derivatives. N. S. Ibrahim, Hoda Z. Shams. M. H. Mohamed and M. H. Elnagdi. <i>Chemistry and Industry</i>, 563-4 (1988). • Synthesis and spectroscopic studies on some dyes of the type dihydrazono cyanomethyl-2-thiazolin-4-one. Hoda Z. Shams, F. A. Khalifa, B. N. Barsoum and M. M. Naoum, <i>Bull. Soc. Chim. France</i>, 1, 119-122 (1988). • Nitriles in organic synthesis new routes for synthesis of pyridines, and azinothiopyrans. Hoda z. Shams, Y. M. Elkholy, N. S. Ibrahim and M. H. Elnagdi, <i>J. Prakt Chem.</i>, 330 (5), 817-19 (1988). • Synthesis and photochemistry of some new pentacyclo undecan-8- ones. Probes for hydrogen abstraction in the plane. R. R. Sauers, A. Scimone and Hoda Z. shams, <i>J. Org. Chem.</i>, 53, 6084-89 (1988). • Nitriles in heterocyclic synthesis: new approaches for synthesis of some pyridine derivatives. N. S. Ibrahim, R. M. Mohareb and Hoda Z. Shams, <i>Z. Naturforsch</i> 46b, 1351-4 (1988). • Activated nitriles in heterocyclic synthesis a novel synthesis of pyrimidine derivatives. N. S. Ibrahim, Hoda Z. Shams, F. A. Abd El Aal and M. H. Elnagdi, <i>J. Prakt Chem.</i>, 329 (4), 552-6 (1987). 		<p><i>Naturforsch</i></p> <p>Elnagdi. <i>Chemistry and Industry</i>.</p> <p><i>Bull. Soc. Chim. France</i>.</p> <p>, <i>J. Prakt Chem</i>.</p> <p><i>J. Org. Chem</i>.</p> <p><i>Naturforsch 46b</i></p> <p>Elnagdi, <i>J. Prakt Chem</i>.</p>	<p>1990</p> <p>1988</p> <p>1988</p> <p>1988</p> <p>1988</p> <p>1988</p> <p>1987</p>
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<ul style="list-style-type: none"> • Polyfunctionally substituted pyridines from cyanoacetamide and cyanoacetanilide. R. M. Mohareb, A. Habashi, Hoda Z. Shams and S. M. Fahmy, <i>Arch. Pharm. Weinheim</i>) 320, 599-604 (1987). • The chemistry and synthetic potentialities of β-ketoanilides: reaction of ethyl cyanoacetate with β-ketoanilides. A. Habashi, N. S. Ibrahim, S. M. Sherif, Hoda Z. Shams and R. M. Mohareb, <i>Heterocycles</i> 24, 2463-6 (1986). • Synthesis of some pentacyclo cage molecules and their 8, 11- transannular cyclized products. Hoda Z. Shams, F. m. Abdel Razek and R. R. Sauers. National Congress: " The role of chemistry in saving necessities of drug industry. The national society of pure and applied chemistry, Egypt, (8-Oct. 1985) P. 21-2. • A Novel synthesis of polycyclic cage enones. synthesis of 11-ethylenepentacyclo cage undecan-8-one. Hoda Z. Shams and R. R. Sauers, National Congress: "The role of chemistry in saving necessities of drug industry. The national society of pure and applied chemistry, Egypt, (8-10 Oct. 1985) P. 20. • Nitriles in heterocyclic synthesis: synthesis of 2-substituted-4-phenyl-thiazoles from phenacyl thiocyanate. F. M. Abdelrazek, Hoda Z. Shams, A. W. Erian and M. H. Elnagdi, <i>J. Chem. Res. (S)</i>, 246-7, (1985), <i>(M)</i>, 2774-85 (1985). • Synthesis and photophysical properties of some endo-6 substituted norcamphors and pentacyclo [5.4.0.0,^{2,6}.0,^{3,10}.0^{5,9}] undecan-8-ones. R. R. Sauers, M. Zampino, M. Stockj, J. Ferentz and Hoda Z. 		<p><i>Arch. Pharm. Weinheim.</i></p> <p>The national society of pure and applied chemistry, Egypt,</p> <p>The national society of pure and applied chemistry, Egypt.</p> <p><i>J. Chem. Res. (S).</i></p> <p>, <i>J. Org. Chem.</i></p>	<p>1987</p> <p>1986</p> <p>1985</p> <p>1985</p> <p>1985</p> <p>1983</p>
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<p>Shams, <i>J. Org. Chem.</i>, 48 (11), 1862-6 (1983).</p> <ul style="list-style-type: none"> Organometallic compounds: reaction of cyclohexylmethylmagnesium bromide with 1,1,1-trichloro-2,2-bis (4-substitutedphenyl) ethanes. A. Habashi, Hoda. Z. Shams and W. Tadros <i>Indian Journal of Chemistry</i> 19(8), 724-5 (1980). Organometallic compounds: reduction of bezophenones, 4, 4'- alkoxydeoxybenzoin, benzils and chalkones with cyclohexylmethyl-magnesium bromide. A. Habashj, W. Tadros and Hoda Z. Shams, <i>Indian Journal of Chemistry</i> 19B, 659-62 (1980). 		<p><i>Indian Journal of Chemistry.</i></p> <p>1980</p>	
		<p><i>Indian Journal of Chemistry</i> 19B.</p> <p>1980</p>	

Teaching/Research Hours (ساعات عمل للأبحاث – ساعات عمل لتدريس – ساعات عمل للمواد)						
	Courses (المواد)	الساعات	عدد الأبحاث	الساعات	الساعات المكتبية	مجموع الساعات
1 st Term	3 Courses	7	1	2	6	15
2 nd Term	2 Courses	5	1	2	6	13

Social Activities (خدمة المجتمع) : الأشترك في البرامج التدريبية التي تتعلق بالعملية التعليمية وخدمه المجتمع والتوجه بالأبحاث لخدمه المجتمع
<ul style="list-style-type: none"> Participant, NIH, in the Development of Cancer Treatment and Diagnosis (DCTD), National Cancer Institute (NCI). Publishing of Scientific Papers in Specialized International Journals. Researcher, Rutgers University, New Brunswik, USA .

مؤتمرات – ندوات – إجتماعات – إشراف

	اسم المؤتمر او الندوة	المكان (البلد)	سنة
ندوات			
مؤتمرات	<ul style="list-style-type: none"> • Professional Society Meeting, Eastman Kodak Co., Cairo, Egypt • The National Society of Pure and Applied Physics, Cairo-Esmaleia, Egypt • The 2nd International Conference of Clinical Chemistry for the African-Mediterranean-and Near East countries. The International Society of Clinical Chemistry. • The 6th International Cycle on Microanalysis. The Micro analytical Centre, Cairo University. • The National Meeting on Maximizing Benefits of the International Conferences in the field of Chemistry. Academy of scientific Research and Technology. Arab League. • The National Congress on the Role of Chemistry in Saving Necessities of Drug Industry. The National Society of Pure and Applied Chemistry, Academy of scientific Research and Technology. • The 1st Anglo Egyptian Conference on Bioscience and Technology. • The 5th International Conference on Printing, and Packaging, and the 1st International Conference on food processing and packing. • Industrial federation, International Conference Center. 	<p style="text-align: center;">Egypt</p> <p style="text-align: center;">Egypt</p> <p style="text-align: center;">Cairo, Egypt</p> <p style="text-align: center;">Cairo Egypt</p> <p style="text-align: center;">Cairo, Egypt</p> <p style="text-align: center;">Cairo, Egypt</p> <p style="text-align: center;">Cairo, Egypt</p> <p style="text-align: center;">Cairo, Egypt</p> <p style="text-align: center;">Egypt</p>	<ul style="list-style-type: none"> • 1982 • April 26-28, 1983 • November 20-24 1983 • April 7-10, 1984 • April 24, 1985 • October 8-10, 1985 • November 10-15, 1990.

	<ul style="list-style-type: none"> • Professional Society Meeting on Electric Insulators and Their Applications in Industry. • Academy of scientific Research Center. • The 8th National April Conference of Polymer Science and Technology, Helwan University, (Cairo-Sharm El-Sheikh). • The International Fiber Conference. Engineer House. • 5th International Conference of Textile Research Division. NRC. 	<p>Cairo Egypt,</p> <p>Cairo Egypt</p> <p>Egypt</p> <p>Seoul, Korea</p> <p>Cairo, Egypt</p>	<ul style="list-style-type: none"> • November 22-26, 1994. • April 26, 1995. • November 27-30, 2005. • May 30-June 6, 2006. • April 6-8, (2008).
إشراف رسائل			

الاعمال المتعلقة بتعزيز / تحسين العملية التعليمية :

1	المشاركة فى تطوير و تحديث اللوائح الدراسية	نعم
2	المشاركة فى متابعة تنفيذ خطط تحسين البرامج	عدد البرامج 1 أسماء البرامج : برامج الماجستير والدكتوراه
3	المشاركة فى تطوير المعامل	
4	المشاركة فىالتدريب الصيفى	عدد الطلاب المقررات المستفيد
5	المشاركة فى الاشراف على مشروع التخرج	عدد الطلاب 2 عدد مشروعات التخرج 2
6	الارشاد الاكاديمي لمجموعة من الطلاب	عدد الطلاب
7	المشاركة فى أعمال الكنترول / الامتحانات	نعم
8	المشاركة فى وحدة ضمان الجودة	
9	المراجعة الخارجية بمؤسسات تعليمية أخرى	
10	أخرى – إن وجد	