

CURRICULUM VITAE

PERSONAL DETAILS

Name: Seham Soliman Ibrahim Al Terary
Nationality: Saudi
Position Assistant Professor-Organic Chemistry/ KSU/Chemistry Department
E-mail salterary@ksu.edu.sa

PROFESSIONAL EXPERIENCE

1993-1995: Demonstrator in chemistry department of chemistry, Faculty of Science, King Abdul-Aziz University, Jeddah.
1998-2003:

EDUCATION

1994: Bachelor of Science degree in *chemistry* with VERY GOOD grade, from KAU, Faculty of Science.
2003: Master degree of science degree in *chemistry* with EXCELLENT grade, from KAU, Faculty of Science.
2008: Ph D degree of science degree in *spectroscopic methods* with VERY HONORABLE grade, from Paris VII "Denis Diderot" University.

Technical Skills

Synthesis: Multi-step organic synthesis, inert atmosphere synthesis, synthesis of nanoparticles (NPs), Magnetic nanoparticles (MNPs) and surface modification of quantum dots (QDs).
Writing: Writing of technical and scientific reports.
Oral communication: Presentation and university teaching.

Other Skills and Qualifications

Languages: Arabic Mother tongue, English, French

Computing: Word, Excel, Power Point

Research and experience

Conferences

2015	Participate in attendance in The 2nd Saudi International Conference on Scientific Publishing , Deanship of Scientific Research, KSU. 11-13 Oct, 3 days.
2015	Participate in attendance in 12th International conference on material chemistry MC12 , York-UK. 20-23 July. 4 days
2014	Participate in attendance in The 3rd Saudi International Nanotechnology conference 2014 (3SINC) And KACST-KAUST-UCSB workshops on solid state lighting Riyadh (1436), <i>King Abdulaziz City for Science and Technology (KACST)</i> . 3 days
2013	Participate in attendance in The MiMe- Materials in Medicine International Conference 1st edition , Faenza-Italy. 8-11/Oct. 4 days
2012	Participate in attendance in The 2nd Saudi International Nanotechnology conference 2012 (2SINC) “Nanotechnology innovation opportunities for future”, Riyadh (1433), <i>King Abdulaziz City for Science and Technology (KACST)</i> . 3 days
2012	Participate in attendance in The International Symposium on Click Chemistry; The Way Forward , 2012 (1433), Nottingham UK. Organized by <i>The University of Nottinham</i> . 3 days
2011	Participate in attendance in the Fourth International Chemistry Conference 2011 (1432), Riyadh, Chemistry and its Role and Application in Development . Organized by <i>The Saudi Chemical Society</i> and <i>King Saud University’s Chemical Department</i> . 3days
2007	Participate in the E-MRS 2007 SPRING MEETING CONFERENCE, Strasbourg (France), in Symposium O, Functional organic & inorganic materials for micro and nano Bio-sensing system with Oral presentation and Submitted article; “Preparation and characterization of water- soluble CdS QD through surface modification of carboxylate end-capped group”.

Workshops

2015	Participate in The First Scientific Cultural Forum for The Students of Universities and Higher Education Institutions in The Countries of The Arab Gulf Cooperation Council . KSU.5 days
2012	Participate in the Chemical Safety and Security Officer (CSSO) Training . Organized by chemical security engagement program, sponsored by the US Department of state. 5 days
2012	Participate in the Training Program on Fundamentals of Polymer Science and its Industrial Applications . <i>Petrochemical Research Chair</i> , Department of Chemistry, College of Science, King Saud University. 2 days. The program includes a visit to some of SABIC laboratories.
2012	Participate in workshop on “ Electrospining: An Effective Technique in Nanofibers Production ”. <i>Petrochemical Research Chair</i> , Department of Chemistry, College of Science, King Saud University. 3 days
2011	Participate in workshop in The 4 th International Chemistry Conference 2011 (1432), Riyadh, Chemistry and its Role and Application in Development. Organize by the Saudi Chemical Society and King Saud Unniversity’s Chemical Department. “ Green Chemistry in Education ”. 1 day
2007	Participate in workshop ‘ Atelier d’Histoire et de Philosophie des sciences organise pare l’ED SMAE ’ ; Science Mécaniques, Acoustique et Électronique de Paris, UPME ; SORBONNE UNIVERSITÉS . 5 days
2006	Participate in workshop ‘ SPECTROSCPIES OPTIQUE APPLIQUEES AUX MOLECULES D’INTERT BIOLOGIQUE ’; laboratoire de Biophysique Moléculaire Cellulaire et Tissulaire (BioMoCeTi) spécialisé dans les spectroscopies optiques, 5 days

Courses & Workshops offered by the Dean of Skills Development

2015	Give a workshop to laboratory technicians health colleges “ The management of chemicals in the laboratories: Best practices for dealing with chemicals ” followed by “ Practical application: good storage procedures ”, Organized by the Deanship of Skills Development, KSU. 1day
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2015	The basics of academic leadership , Organized by the Deanship of Skills Development, KSU. 1day
2014	Professional certificate courses, Elaborating Tables and Registration Mechanisms , Organized by the Deanship of Skills Development, KSU. 2 days
2012	Professional certificate courses, Safe and Comfortable Learning Environment . Organized by the Deanship of Skills Development, KSU. 1 day
2012	Professional certificate courses, Learning theories , Organized by the Deanship of Skills Development, KSU. 1 day
2012	Professional certificate courses, The Use of Technology in university teaching “Black board” , Organized by the Deanship of Skills Development, KSU. 3 days
2012	Sessions of the new faculty members, Micro Teaching . Organized by the Deanship of Skills Development, KSU. 2 days
2012	Sessions of the new faculty members, Assessing Student Learning Outcomes . Organized by the Deanship of Skills Development, KSU. 3days
2011	Sessions of the new faculty members, Effective University Teaching Skills . Organized by the Deanship of Skills Development, KSU. 3days
2011	Sessions of the new faculty members, Design and Construction of Course . Organized by the Deanship of Skills Development, KSU. 2 days
2011	Participate in workshop in The 1st Annual Forum for University Teaching. Riyadh, KSU. Organized by the Deanship of Skills Development. “Improvement Students Critical Thinking Skills” . 1 day
2011	Participate in workshop in The 1st Annual Forum for University Teaching. Riyadh, KSU. Organized by the Deanship of Skills Development. Using Testing, Grading and Feedback to Enhance Student Learning . 1 day

Publications

1-	ANTOUN Tarek ; BRAYNER Roberta ; ALTERARY Seham ; FIEVET Fernand ; CHEHIMI Mohamed ; YASSAR Abderrahim; “Facile synthesis of oligothiophene-capped CdS nanoparticles”, European journal of inorganic chemistry, Vol.2007, N°9, pp. 1275-1284 , 2007.
2-	Al Terary, S. ; Mangeney, C.; Brayner, R.; Antoun, T.; Fiévet, F.; Yassar, A.” Biotin-Bioconjugated Water-Soluble CdS Nanoparticles”, Sensor Letters , American Scientific Publishers , Vol. 6, N° 4, , pp. 511-517, August 2008
3-	AL-TERARY Seham ; BASAIF Salim ; EL-AWADY Abbas A.” Solvent effects on ester linkage of 4-nitrophenyl acetate in aqueous and ethanol solutions with imidazole and hydroxide ion as nucleophiles “,Indian journal of chemistry- Section A Inorganic, Physical, Theoretical and Analytical Chemistry, Vol. 47, N°10, pp. 1491-1496 ,2008
4-	Yahia Nasser Mabkhot , Nahed Ahmed Kaal., Seham Alterary , Salim S. Al-Showiman, Assem Barakat, Hazem A. Ghabbour, and Wolfgang Frey. “Synthesis, <i>In-Vitro</i> Antibacterial, Antifungal, and Molecular Modeling of Potent Anti-Microbial Agents with a Combined Pyrazole and Thiophene Pharmacophore” <i>Molecules</i> 20, 8712-8729, 2015

Supervising Undergraduate and graduate Students

1-	A Mild and Accessible Synthesis of Alanine methyl ester, 1 st sem, 2011
2-	A Mild and Accessible Synthesis of Glycine methyl ester , 1 st sem, 2011
3-	A Mild and Accessible Synthesis of phenylalanine methyl ester, 1 st sem, 2011
4-	The application of green chemistry techniques in the construction of <i>N</i> -acetanilide derivatives, 1 st sem, 2012
5-	Synthesis of 1-Benzyl-4-phenyl-1H-1,2,3-triazole Using Click Chemistry Techniques, 1 st sem, 2013
6-	Synthesis of a Tri-Substituted Imidazole Using Ionic Liquids as Green Chemistry Techniques, 1 st sem, 2014
7-	Synthesis of Zinc ferrites nanoparticles to use it as Catalyst in Organic Reactions, 2 nd sem, 2015
8-	Synthesis and use Copper Ferrites Nanoparticles as Catalyst in Reduction Reaction, 1 st sem, 2015

Supervising Graduate Students

2011-2014	Master student, “ Synthesis of Novel Heterocyclic Compounds Containing Sulphur ”; co-supervisor.
Forthcoming Supervision	PhD student, External Joint Supervision program for female Demonstrators; Internal Supervisor.

Department Committees

2011-2015	Member of the Committee Evaluation and Academic Accreditation , in chemistry department, Faculty of science.
2011-2015	Member of the Committee of Development and Quality , in chemistry department, Faculty of science.

Administrative positions

2014-2016	Vice-Head of The Department of Physics & Astronomy, College of Science, King Saud University
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