

CURRICULUM VITAE

PERSONAL DETAILS

Name: Seham Soliman Ibrahim Al Terary

Nationality: Saudi

Position Assistant Professor-Organic Chemistry/ KSU/Chemistry Department

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PROFESSIONAL EXPERIENCE

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

1998-2003:

2011-Now Assistant Professor of Organic Chemistry, Faculty of Science, King Saud University, Riyadh

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

2016	Participate in attendance in 6th International Chemistry Conference , Riyadh-KSU. 08-10 Nov. 3 days
2016	Participate as speaker in Nano 2016-XIII International Conference on Nanostructured Materials . Québec, Canada Québec City Convention Centre, 07-12/08/2016. 6 days.
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 Nottingham</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	
2016	Attendance in workshop on “ Nanotechnology and Applied Chemistry. ” Organized by King Saud University and Saudi Chemical Society. 1 day
2016	Participate in workshop on “ How to Fill Application Forms for Patents. ” Organized by King Abdulaziz City for Science and Technology (KACST). 2 days
2015	Attending Lecture in " Innovatively Functionalized Nanomaterials for Biomedical, Sensing and Composites Applications ", which was organized by The Research Center of Science and Medical Studies and held at KSU during the period of 2/12/1436-15/9/2015.
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 “ Electrospinning: 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

2017	Attend in workshop titled with " Infographics ". Organized by Deanship of Skills Development. 1 days
2016	Attend in workshop titled with " The Basics of E-Learning Management System ". Organized by the Deanship of Skills Development, KSU. 3days
2016	Participate in training on “ Department Vice-Heads Roles for Learning Process Development ” Organized by the Deanship of Skills Development, KSU. 1day
2016	Participate in training on “ Teaching Excellence ” Organized by the Deanship of Skills Development, KSU. 1day.
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.
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 ", <i>Indian journal of chemistry- Section A Inorganic, Physical, Theoretical and Analytical Chemistry</i> , 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
5-	Zeinab A. Muhammad, Mastoura M. Edrees, Rasha A. M. Faty, Sobhi M. Gomha, Seham S. Alterary and Yahia N. Mabkhot. "Synthesis, Antitumor Evaluation and Molecular Docking of New Morpholine Based Heterocycles". <i>Molecules</i> , 2017 , 22, 1211.

6	Yahia Nasser Mabkhot, Nahed Ahmed Kaal, Seham Alterary , Salem S. Al-Showiman, Thoraya A. Farghaly and Mohammad S. Mubarak. "Antimicrobial activity of thiophene derivatives derived from ethyl (E)-5-(3-(dimethylamino) acryloyl)-4-methyl-2-(phenylamino) thiophene-3-carboxylate". <i>Chemistry Central Journal</i> , 2017 , 11,75
7	Magda A. Abdallah 1, Sobhi M. Gomha, Ikhlass M. Abbas, Mariam S. H. Kazem, Seham S. Alterary and Yahia N. Mabkhot. "An Efficient Synthesis of Novel Pyrazole-Based Heterocycles as Potential Antitumor Agents". <i>Appl. Sci.</i> 2017 , 7, 785

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
9-	Synthesis and Characterization of Two types of Magnetic Nanocatalysts for Organic Reactions, 1 st sem, 2016

Supervising Graduate Students

2011-2014	Master student, “ Synthesis of Novel Heterocyclic Compounds Containing Sulphur ”; co-supervisor.
2017	PhD student, External Joint Supervision program for female Demonstrators; Internal Supervisor.

Department & Faculty Committees

2011-2017	Member of Evaluation and Academic Accreditation Committee , in chemistry department, Faculty of science.
2011-2015	Member of Development and Quality Committee , in chemistry department, Faculty of science.
2017	Member of Interdisciplinary Academic Programs Committee , in Faculty of science.

Administrative positions

2014-2017	Vice-Head of The Department of Physics & Astronomy, College of Science, King Saud University
2016-2017	Nanotechnology Unit Supervisor in Girls University City

Professional affiliations

Science 2015	Member of Royal Society of Chemistry
Science 1996	Member of Saudi Chemical Society

Community Action Service

2017	Trainer for technicians of Departments of Science and Medical Studies in a program titled with (Proper Methods for Conserving and Storing Chemicals in Lab and Storage Rooms) This was organized under the supervision of the Deanship of skills development programs. The workshop was held at the Deanship of skills development building at Female Campus at King Saud University. For two consecutive days Tuesday and Wednesday 6-7 / 8/1438 equal with 2-3 / 5/2017.
2017	Trainer for technicians of Departments of Science and Medical Studies in a program titled with (How to Deal Safely with Chemical Spills in the Lab) This was organized under the supervision of the Deanship of skills development programs. The workshop was held at the Faculty of Sciences building at Female Campus at King Saud University. For one day ;Tuesday 28 / 7/1438 equal with 25 / 4/2017.
2016	Establish a training program for technicians includes several topics: (chemical compatibility - optimal storage of chemicals in laboratories - transfer explosive chemicals - to get rid of chemicals – Chemical labels – Material safety data sheet) and its associated practical training. This was organized under the supervision of the Deanship of skills development programs. The workshop was held at the Faculty of Sciences building at Female Campus at King Saud University. For two consecutive days Tuesday and Wednesday 26-27 / 7/1437 equal with 3-4 / 5/2016
2015	Participation in the training of health colleges technicians within the workshop safety work in scientific laboratories Program of the Deanship of Skills Development. Managed workshop entitled "Management of chemicals in the laboratory: best practices for dealing with chemicals." And practical application belongs to "good storage procedures." Which was held at King Saud University on Tuesday, 08/15/1436 corresponding to 06/02/2015.
