

## CURRICULUM VITAE

### Personal information

<b>Name</b>	<b>Prof. Dr / Sahera Fathalla Mohamed</b>
<b>Nationality</b>	Egyptian
<b>Date of Birth</b>	8/8/1966 G
<b>Place of Birth</b>	Cairo-Egypt
<b>Current Job</b>	Professor on 31-10 -2013
<b>Authority of Job</b>	1- In Egypt: Professor, NRC, Cairo 2- In KSA: College of Science , Jazan University Department: Chemistry
<b>Actual Work</b>	<b>Professor in Chemistry Department</b>
<b>Date of service's start in the current work</b>	1/1/2000 G
<b>Marital Status</b>	Married
<b>Family Members No.</b>	Five members
<b>webpage</b>	<a href="http://1574441.site123.me">http://1574441.site123.me</a>

### Contact details

#### The address:

- In KSA: Faculty of science, chemistry department, Jazan University, Jazan
- In Egypt: Microbial Biotechnology department, National Research Center, Dokki, Cairo, Egypt

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### Academic degrees

Academic Qualification	Date of Graduation	College's Name	University's Name	General specialization	Accurate Specialization
Bachelor of Sciences	May 1988G	Faculty of Science	Ain Shams University	Biochemistry-Chemistry	Biochemistry-Chemistry
Master of Science	June 1995G	Faculty of Science	Ain Shams University	Biochemistry	Biochemistry-Natural Products
Ph.D. of Science	June 1998G	Faculty of Science	Cairo University	Biochemistry	Biochemistry-Enzymology

### Professional Career

#### Scholarships:

- ❖ In (1994-1995) Scholarship through the DAAD to attend in training course in the Institute of Organic Chemistry –In Karlesruhy, Germany, to complete the practical part of the Master thesis.
- ❖ In (1995-1997) I got a Scholarship through DAAD- by cooperation with the Egyptian Ministry of Education- to travel to Germany- Institute of Microbiology, Hannover University- to achieve PhD Thesis.

#### Professional career:

**Research: 1989-1995**  
**Assistant Lecturer: 1995-1998**  
**Assistant Professor: 1998-2008**  
**Associate Professor: 2008-2013**  
**Professor: on 31-10-2013**

### Awards

- 1- **Got Jazan University Award for Excellence.**  
**The First Position in Teaching . May 2019.**

### Scientific Societies

- Member of the Egyptian Chemical Society.
- Member of Egyptian Microbiology Society.
- Member of the Egyptian Genetic Society.
- Member of the Saudi Biological Society (SBS)
- Member of the Committee of Research and Ecological Studies Center, Jazan University since March 2011-2014.
- Member of the Self Study and Accreditation Committee in Jazan University in 2012 and 2018.

### Scientific Conferences and workshops

#### Conferences:

1-Shaker Youssif and **Sahera F. Mohamed** (2007)" 6-Amino-2-thio-, 6-aminouracils as Precursors for the Synthesis of antiviral and antimicrobial methylene bis (2-thiouracil) and tricyclic pyrimidines." Oral Lecture in the National Conference in Chemistry in Makkah, Saudi Arabia, 15-16 April, 2007

2-**Sahera. F. Mohamed**, Fatimah. Agili, Mohsen. M.S. Asker, Khaled. El shipway (2010). Characterization of the biosorption of lead with calcium alginate xerogels and immobilized *Turbinaria decurrens* (**Poster representation** in the Netherlands Biotechnology Congress (NBC 13) on 11-12 March, Ede, The Netherlands.

3-**Sahera F. Mohamed**, Fatmah Agili, Mohsen M. Asker, Khaled El shipway. (2010). Immobilized *Turbinaria Decurrens* versus Calcium Alginate Xerogels in Biosorption of Lead from Waste Water (**Poster representation** in the Fourth Saudi Science Conference, Taybah University, March 21-24<sup>th</sup>).

4- **Sahera Mohamed**, Ghada A. Mahmoud, Manal Abou Taleb (2011). Preparation of grafted - poly (acrylic acid) /sodium alginate hydrogel and its characterization for chlortetracycline hydrochloride controlled release (**Oral representation** in First United Arab Emirates Conference on Pure and Applied Chemistry (ECPAC11) March, 1-3.

5-Mohsen, M.S. Asker, **Sahera, F. Mohamed** and Osama H. El-

**Sayed (2011)** Chemical Structure and Antiviral Activity of Water – soluble polysaccharides from *Sargassum latifolium*. Medical Research Day Organized by Faculty of Medicine, Jazan University, on 1<sup>st</sup> June **Poster representation.**

6-**Sahera Mohamed**, Ghada A. Mahmoud, Manal Abou Taleb (2011)

Swelling and Drug Release Behavior of Sodium Alginate Hydrogels which Extracted from *Turbinaria decurrens* Cross-Linked with Poly (acrylic acid) using Gamma Irradiation (**Oral presentation** in The Fourth International Chemistry Conference, 19-21 Novemberm King Saud University, Riyadh, KSA.

7- Mohsen M. S. Asker **Sahera F. Mohamed**. Osama H. EL-Sayed (2013)·Characterization of Immobilized L-Asparaginase Produced from *Pseudomonas aeruginosa* 50071 by Solid State Fermentation Medical Research Day Organized by Faculty of Medicine, Jazan University, on 27<sup>th</sup> February. **Poster representation.**

### Teaching and learning conferences and workshops

- 1- Participation in the training course about the safety rules and precautions against fire through the program of prince Nayef on 14-10-2004.
- 2- Participation in the professional development workshop in **E-Learning** hold in Jazan University (**four days**).
- 3- Participation in the Training workshop entitled (**How we can Use Data bases**) Organized by Libraries Deanship of Jazan University 23-24-6-1432 H.
- 4- Participation in the work shop entitled: **Principles of Teaching and Learning**. on **14/10/ 2018 in Jazan holiday Hotel**.
5. Participation in the work shop entitled: **Process of Curriculum Development**. On **22-23/ 10/ 2018** in Jazan holiday Hotel.
6. Participation as DAD member in the work shop entitled: **Assessment**. On **12-13/ 11/ 2018** in Jazan holiday Hotel.
7. Participation in the work shop entitled: **How to use black board.5-2-2019** in the college of science, female section , Jazan.

#### ❖ Research Students Supervised/Trained

##### 1- **Undergraduate Future Scientists Program level 8**

No of programs: 2 (2015-2016 and 2016-2017)

No of students: ( 2 + 1)

#### ❖ Teaching

##### 1- Principles of Biochemistry

##### 2- Chromatography

##### 3- Organic Chemistry

##### 4-Natural Products

##### 5-Qualitative analytical chemistry

## **Participation in Academic Accreditation**

1. Participation in the workshop about (**The management of a comprehensive self study prior to an external review**) which hold in **Riyadh** in the period from 6-8 January 2008 Under the supervision of the National commission for Academic Accreditation and Assessment
2. Preparing and holding workshop for the Academic staff in the College entitled(**The Process of Preparing Self Study documents for the Higher Educational Institutions**) in May 2008
3. Participation in the workshop entitled (**Program and Course Specification**) **in Jeddah** in the period from **8-9 /11/2008** Under the supervision of the National Commission for Academic Accreditation and Assessment (NCAAA).
4. Preparing and holding workshop for the Academic staff members from different Colleges of the University entitled (**Preparation of the Program and Course Specification File**) in December 2008.
5. Participation in workshop entitled ( **Leading in Academic Setting**) Organized by Academic Development Deanship, Al Hayat Hotel, Jazan from **23-25 May 2009**.
6. Participation in the workshop entitled ( **Improvement and action plans**) **in Riyadh** in the period from **26-27 April 2011** Riyadh Under the supervision of the National Commission for Academic Accreditation and Assessment (NCAAA)..
7. Preparing and holding workshop for the Academic staff members from different Colleges of the University entitled (**Improvement and action plans**) on 31 May 2011.

8. Participation in the workshop entitled (**Quality assurance in education**) in Jazan Hayat Hotel, Jazan Under the supervision of Deanship of Academic Development (DAD) in the period 11-12 and 14-15 February 2012.
9. **Member of the Consultant Committee of the Center of Research and Environmental Studies, Jazan University since March 2011-2013.**
10. Participation in the workshop entitled (**Teaching quality control- External reviewer**) in Jazan Hayat Hotel, Jazan Under the supervision of Deanship of Academic Development (DAD) **on 17-4-2013.**
11. Participation in the workshop entitled (**Mission-Vision and objectives**) in Jazan Hayat Hotel, Jazan Under the supervision of Deanship of Academic Development (DAD) **on 1-5- 2013.**
12. Participation in the workshop entitled (**Preparation of self study Report and documents**) in Jazan Hayat Hotel, Jazan Under the supervision of Deanship of Academic Development (DAD) **on 8-5-2013.**
13. Preparing and holding workshop for the Academic staff members from different Colleges of the University entitled (**Research execution with high performance**) in Jazan Hayat Hotel, Jazan Under the supervision of Deanship of Academic Development (DAD) **on 15-5-2013.**
14. **Coordinator of the Department for International Cooperation since 1-2-2014.**
15. Participation in the workshop entitled (**Execution of self study**) in Jazan Hayat Hotel, Jazan Under the supervision of Deanship of Academic Development (DAD) **in the period 26-28/10/2014.**
16. Participation in the workshop entitled (**The final report of self study as required by NCAAA**). in Jazan Hayat Hotel, Jazan Under the supervision of Deanship of Academic Development (DAD). **in the period 24-25/12/2014.**
17. Participation in the workshop entitled (**Key Performance Indicators and bench marks**). in Jazan Hayat Hotel, Jazan Under the supervision of Deanship of Academic Development. (DAD). **in the period 24-25/2/2015.**
18. Preparing and holding workshop entitled (**How to write the Program Self Study Report (SSRP) for the heads of academic programs and quality coordinators.**) **In the main hall of the University on 18 and 21-2-2016.**



**19. Member in the (Institutional Self study Committee) in the Deanship of Academic Development (DAD) -Jazan University (Coordinator of Standard 10, Research) since January 2012- 2018.**

**20. Part time Consultant in the Dean of Academic Development (DAD), Jazan University , KSA since 2016 till now.**

**21. Honored as Quality Trainer in the program of Academic Leaders and Development program where prepared and gave several workshops in the field of scientific research, Course Design and Quality Assurance Management. 2016- 2017.**

**22. Honored as referee in Jazan University Excellence Award 2016-2017, 2017-2018 and 2018-2019.**

**23. A member in the Institutional Accreditation Team in the Dean of Academic Development (DAD), Jazan University, KSA 2018 . and shared in visiting orientation of about 25 groups.**

**24. Sharing in preparation and holding of workshop entitled: Program accreditation step by step. For the Vice Deans for quality and Program quality coordinators on 7-8/ 10/ 2018 in Jazan holiday Hotel.**

**25. Participation in the workshop entitled: Effective Academic Leadership. On 17/ 10/ 2018 in Jazan holiday Hotel.**

**26. Participation in the workshop entitled: writing of program self study report. on 15-11-2018 in Jazan holiday Hotel.**

**27. Participation in the work shop entitled: Academic Leadership skills. On 13-3-2019 in Jazan holiday Hotel.**

**28. Preparation and holding of workshop entitled: Program Self Evaluation Scales (SES) and Star Rating on 13-14/10 /2019, College of Science, Gils Section, Jazan.**

**29. Preparation and holding of workshop entitled: Program Key Performance Indicators (PKPIs) on 31/ 10/ 2019, College of Science, Gils Section, Jazan.**



### Other activities

#### **In KSA:**

- Starting Teaching Biochemistry in different departments in "The College of Education-Scientific Departments" since 1420 until now.
- Participation in all Control works in the college since 1420 until now.
- Member of the Social Committee in the College (Chemistry Department) since 1424 -1428
- Deputy of Chemistry Department in "The college of Education-Scientific Departments" since 1428 -1430
- The Vice dean of Post- graduation and Scientific Research in the College of Education-Scientific Departments since 1429-1431.
- General Quality Coordinator of Research unit in College of science since 1432H- 2011.
- Quality coordinator of Chemistry department since 1435H- 2014.

## publications

### List of publications      Citations: 218    h-index:9

1. OH El-Sayed, W Boland, EA Omer, SF Mohamed (1997). Volatiles and pheromones of brown algae *Sargassum latifolium* and *Sargassum asperifolium*. **Bulletin of the National Research Centre (Egypt), 1997**
2. **S F Mohamed**; O R Gvozdiak; D Stallmann; U Gripenburg; H Follmann; Georg Auling (1998). Ribonucleotide reductase in *Bacillus subtilis*-evidence for a Mn dependent enzyme. *BioFactors (Oxford, England)*; 7(4):337-44.
3. U Gripenburg, N Ward-Rainey, **S Mohamed**, H Schlesner, H Marxsen, FA Rainey, E Stackebrandt and G Auling (1999). Phylogenetic diversity, polyamine pattern and DNA base composition of members of the order Planctomycetales. *International Journal of Systematic Bacteriology*, 49, 689–696.
4. **Sahera Fathallah Mohamed** (2005). Biomonitoring of Heavy Metals in Some Brown Algal species in The Red Sea Area (Saudi Arabia and Egypt). *Arab Gulf Journal of Scientific Research*, 23(3), pp 126-131.
5. **Sahera F. Mohamed**, Iman M. Al-Bakri and Osama H. El Sayed (2007) Biosorption of lead (II) by pre-treated biomass of marine brown algae *Sargassum latifolium* and *Sargassum asperifolium* *Biosciences and Biotechnology Research Asia*, 4 (2) 341-350.
6. Mohsen, M.S. Asker, **Sahera, F. Mohamed** and Osama H. El-Sayed (2007) Chemical Structure and Antiviral Activity of Water –soluble polysaccharides from *Sargassum latifolium*. *Journal of Applied Science Research*, 3(10) 1178-1185.
7. Shaker Youssif and **Sahera F. Mohamed**. (2008) 6-Amino-2-thio-, 6-aminouracils as Precursors for the Synthesis of antiviral and antimicrobial methylene bis(2-thiouracil), tricyclic pyrimidines and 6-alkylthiopurine-2-ones. *Chemical Monthly (Monatshefte fur Chemie)*, 139, 161-168.

8. **Sahera F. Mohamed** (2008). Antimicrobial Activity of Novel Synthesized Fused 6-Amino-2-Thiouracils. *Journal of Agriculture Science Mansoura University* 33 (3): 2217-2222).
9. Shaker Youssif, Fatmah Agili and **Sahera F. Mohamed** (2009) Synthesis, Antiviral and Antimicrobial activities of New Substituted Thioxanthines and Thiolumazines , *Journal of Applied Sciences Research*, 5(11): 1844-1852.
10. Mohsen Mohamed Selim Asker, Osama Hamed El-Sayed, Magdy Ali Gadala, **Sahera Fathalla Mohamed** (2011). Production of  $\alpha$ -amylase by newly isolated halophile, *Halobacterium sodomense*. (Biochemistry, An Indian journal, Vol. 5, Issue 1.
11. **Sahera F. Mohamed**, Fatimah Agili, Mohsen M. Asker and Khaled El shebawy (2011). Characterization of the biosorption of lead with calcium alginate xerogels and immobilized *Turbinaria decurrens*. *Chemical monthly*, 142: 225 - 232.
12. Ghada A. Mahmoud, **Sahera F. Mohamed** (2012). Removal of lead ions from aqueous solution using (sodium alginate / itaconic acid) hydrogel prepared by gamma radiation. *Australian Journal of Basic and Applied Sciences*, 6(6): 262- 273, 2012.
13. Mohsen M. S. Asker **Sahera F. Mohamed**. Osama H. EL-Sayed (2012): Characterization of Immobilized L-Asparaginase Produced from *Pseudomonas aeruginosa* 50071 by Solid State Fermentation. *Bioscience and biotechnology research Asia*, Vol. 9(2), 569-576.
14. **Sahera F. Mohamed**, Ghada A. Mahmoud and Manal Abou Taleb (2013). Synthesis and Characterization of poly(acrylic acid)-g-Sodium Alginate Hydrogel initiated by Gamma Irradiation for Controlled Release of Chlortetracycline HCl. *Monatsh Chem.(Chemical Monthly)* 144:129–137.

15. **Sahera F. Mohamed**, Fatimah A. Agili (2013). Antiviral Sulphated Polysaccharide from Brown Algae *Padina pavonia* Characterization and Structure Elucidation. *International Journal of ChemTech Research*, Vol.5, No.4, pp 1469-1476.
16. Mohsen M. S. Asker, **Sahera F. Mohamed**, Manal G., Osama H. EL-Sayed (2013). Antioxidant and Antitumor Activity of a New Sesquiterpene Isolated from Endophytic fungus *Aspergillus glaucus* *International Journal of PharmTech Research*, Vol.5, No.2, pp 391-397.
17. **Sahera F. Mohamed**, Rita M. Borik (2013) Modern Trends in Using Marine Algae for Treatment of Aquatic Pollution. *International Journal of ChemTech Research*, Vol.5, No.6, pp 2863-2889.
18. Ghada A. Mahmoud, **Sahera F. Mohamed**, Hala M. Hassan (2015). Removal of methylene blue dye using biodegradable hydrogel and reusing in a secondary adsorption process. *Desalination and Water Treatment*, 54 (10), 2765-2776
19. **Sahera F. Mohamed**, Thani M. Slamy, Salha Y. Shaeiri (2015). Characterization of Sulphated Polysaccharide with Antiviral Activity from Marine Brown Alga *Cystoseira myrica* Collected from Jazan Coasts, *International Journal of PharmTech Research*, Vol.8, No.10, pp 198-203.
20. **Sahera F. Mohamed** and Sumiah S. Alfaify Preparation (2017) Characterization and Lead Biosorption Performance of Immobilized *Cystoseira merica* Collected from Jazan Coasts *International Journal of chemTech Research*, Vol.10, No.7, 808-814.
21. Fatimah A Agili and **Sahera FM Aly**. (2020). Physicochemical characterization and release properties of oral drug delivery: A pH-sensitive nanocomposite based on sodium alginate–pectin–tannic acid–silver. *Polymers and Polymer Composites*. 28 (8-9), pp. 598-608.

سابعاً : المؤلفات :

- الكيمياء الحيوية العملية التحليلية Practical Analytical Biochemistry  
(الجزء الأول) تقنيات تحليل كيميائي وكمي. د/سحره فتح الله محمد- أستاذ مساعد  
الكيمياء الحيوية- قسم الكيمياء- كلية التربية للبنات- الأقسام العلمية – جازان- المملكة

2-الكيمياء الحيوية العملية التحليلية Practical Analytical Biochemistry (الجزء الثاني) تحاليل طبية تشخيصية. د/ سحره فتح الله محمد- أستاذ مساعد الكيمياء الحيوية- قسم الكيمياء- كلية التربية للبنات- الأقسام العلمية – جازان- المملكة العربية السعودية 1428 هـ – 2007 م مكتبة الرشد –ناشرون- الرياض- المملكة العربية السعودية.

3-كتاب الكيمياء الحيوية Biochemistry د/ سحره فتح الله محمد- أستاذ مساعد الكيمياء الحيوية- قسم الكيمياء- كلية التربية للبنات- الأقسام العلمية – جازان- المملكة العربية السعودية 1430 هـ – 2010 م دار النشر الدولي- الرياض- المملكة العربية السعودية.

4-The Book of Chromatography-Principles and Methods-Dr. Sahera Fathalla Mohamed, Associate Professor of Biochemistry, Chemistry department, College for Science, Jizan University, KSA, 1431, 2011.

#### Reference

#### In Jazan University:

- 1- Prof. Dr Aeasha Zakary, Vice president for (Girls)
- 2- Prof Dr. Mohamed Abu Rassen, Vice president of postgraduate and research
- 3- Prof. Dr. Mohamed Safhi, Vice president of Quality and Academic Development
- 4- Dr. Naeif Azaybi, the Dean of Academic Development (DAD).
- 5- Dr. Ghalib Suidi, The Dean of College of Science, Jazan University

#### In Egypt:

- 1- Name: Prof. Dr. Osama Hamed El-Sayed  
Scientific degree: Professor,  
Institution: National Research Center (NRC), Dokky, Cairo, Egypt  
Department: Microbial Biotechnology.