

# Safa Shaheen's Curriculum Vitae

## PERSONAL INFORMATION

Name	Safa Arafat Ismail Shaheen
Date of Birth	16.11.1980
Marital Status	Married
Children	three
Religion	Islam
Nationality	Palestinian
E-mail	sshahin@ppu.edu
Tel. Number	0598313189
Specialization:	Organic Chemistry-Natural Products
Work address	College of Applied Sciences, Palestine Polytechnic University, Hebron, Palestine

## EDUCATION

- **M. Sc** degree in Chemistry: Natural Products, Chemistry Department, University of Jordan, Amman, Jordan, 2007. **(Rating 3.75/4, excellent)**
- **B. Sc** degree in Chemistry, Hebron University, Hebron, Palestine, 2003. **(Rating 92.4 %, Excellent with Honor degree)**
- **Secondary High School Certificate (Tawjihi)** Widad Nasser Al-deen Secondary School, Hebron, Palestine, 1999. **(Rating 91.5 %)**

## SCHOLARSHIP:

- DAAD (German Academic Exchange Service) for master degree in chemistry at the University of Jordan. (Sep/2004-Feb/2007).
- Scholarship from Hebron University during Bachelor study (1999-2003)

## TEACHING

Organic chemistry  
Organic chemistry laboratory I and II  
General chemistry I  
General chemistry II  
General Chemistry Laboratory I and II  
Food Chemistry and Technology  
Food Chemistry and Analysis  
Food Chemistry Laboratory  
Understanding Food  
Inorganic Chemistry I  
Inorganic Chemistry Laboratory  
Analytical Chemistry Laboratory  
Biochemistry Course

## SKILLS:

- English language (Speaking and writing very good)
- Using computer programs (Microsoft Word, Microsoft Excel, and power point).

## PREVIOUS EXPERIENCE:

- Research assistant on "Tannery Wastewater" project. Chemistry Department, Hebron University, (2003-2004).
- Instructor: Hebron University, Hebron, Palestine (2007-2014)
- Preparation of General Chemistry Laboratory Manual I, Hebron University, Hebron, Palestine (2010)
- 2014-up to now: Teaching in College of Applied Sciences, Palestine Polytechnic University.

## TECHNICAL EXPERIENCE:

- Operating UV/Visible and IR spectrophotometers.
- Separation techniques including TLC and GC.
- Structural elucidation of unknown organic compounds by <sup>1</sup>H and <sup>13</sup>C-NMR, 2D NMR, and Mass Spectrometry.

## SCIENTIFIC CONTRIBUTIONS

1. Analysis for chromium content in wastewater from leather industry". Maher Al-Jabari, **Safa Shaheen**, and Awni Khatib. Presented at the Hazardous Waste Conference' University of Science and Technology Jordan Nov. 2004.
2. Treating Chromium Tanning Wastewater using Natural Clay. Maher Al-Jabari, **Safa Shaheen**, and Awni Khatib. Accepted to the International Conference for the Total Environment (RETBE' 04) Alexandria –Egypt Dec 2004.
3. "Basic Monitoring Using UV/ Vis Spectrophotometer Analysis for Treatment of Tanneries Wastewater in Palestine" Awni Khatib, **Safa Shaheen** and Maher Al-Jabari. Presented to the conference Chemistry and the Environment at Yarmouk University – Irbid – Jordan Sep 2005.
4. Maher Al-Jabari, **Safa Shahin** and Awni Khatib, "Evaluating and Investigating the Performance of the Treatment of Wastewater from Tanneries using UV/vis Spectrophotometric Analysis", **Jordan International Chemical Engineering Conference V (JICEC05)**, Amman, (September, 2005)
5. **S. Shaheen**, Monitoring the Treatment of Tannery Wastewater Using UV/ Vis Spectrophotometer. Presented to the conference Chemistry Day, Mutah University, Karak, Jordan, 26<sup>th</sup> of April 2006.
6. Maher Al-Jabari, Fathi Aqra, **Safa Shahin** and Awni Khatib, "Monitoring Chromium Content in Tannery Wasterwater", The Journal of the Argentine Chemical Society Vol. 97 No 2, 77-87 (2009)
7. Maher Al-Jabari, Malek Abu Al-Felat, **Safa Shaheen**, "Reducing Environmental Impact of Leather Industry by Treating its Wastewater with **Stone Cutting** Solid Waste", **ICEEP-2009**, Palestine, November 2009.
8. Maher Al-Jabari, Fathi Aqra, **Safa Shahin** and Awni Khatib, "The Treatment of Chromium Tanning Wastewater using Natural Marl", Chemical Speciation and Bioavailability, Volume 21, Number 3, August 2009 , pp. 185-191(7).
9. Maher Al-Jabari, Malek Abualfailat, **Safa Shaheen**, "Treating Leather Tanning Wastewater with Stone Cutting Solid Waste", CLEAN - Soil, Air, Water, (2012), 40(2), 206-210.

10. **Safa A. Shaheen**, Musa H. Abu Zarga, Ibrahim k. Nazer, Rula M. Darwish and Hala I. Al-Jaber. Chemical Constituents of Jordanian Propolis. *Natural Product Research*. Vol.25, No.14, August (2011), 1312-1318.
11. H SALIM, WH RIMAWI, **S SHAHEEN**, A MJAHEH. Phytochemical analysis and antibacterial activity of extracts from Palestinian Aleppo pine seeds, bark and cones. *Asian Journal of Chemistry*. 31(1):143-147 · January 2019.

## CONFERENCES

1. Jordan International Chemical Engineering Conference V (JICEC05), Amman, (September, **2005**). Presentation Title: "Evaluating and Investigating the Performance of the Treatment of Wastewater from Tanneries using UV/vis Spectrophotometric Analysis",
2. Chemistry Between Academic and Industry. Which was held at the University of Jordan- Amman on 1<sup>st</sup> of October, **2005**. Poster Title: Basic Monitoring Using UV/ Vis Spectrophotometer Analysis for Treatment of Tanneries Wastewater in Palestine".
3. Chemical science Day. Which was held at Mu'tah University–Karak–Jordan. Apr-**2006**. Presentation Title: "Basic Monitoring Using UV/ Vis Spectrophotometer Analysis for Treatment of Tanneries Wastewater in Palestine".
4. The First Pharmaceutical Scientific day at Hebron University. Which was held at the Hebron University - Hebron on 14<sup>th</sup> of July, **2010**. Presentation Title: Chemical Constituents of Jordanian Propolis.
5. The 6<sup>th</sup> Students Innovation Conference Palestine Polytechnic University, Palestine. (Participation by Attendance) June-**2017**.
6. The 7<sup>th</sup> Students Innovation Conference Palestine Polytechnic University, Palestine. May-**2018**, two Participations
  - (1) Presentation title: analysis and antibacterial activity of extracts from Palestinian Aleppo pine seeds, bark and cones. Supervisor with Dr. Hatim Salim and Arwa Mujahed.

- (2) Presentation title: In Vitro Culture of the Medicinal Plant *Inula viscosa* and Secondary Metabolites Production. Supervisor with Dr. Rami Arafeh.
7. 8<sup>th</sup> Students Innovation Conference Palestine Polytechnic University, Palestine. October-2019. Head of the organizational Committee for the faculty of Applied sciences.
8. The IX Palestinian International Chemistry Conference, 1-2 November, 2019. Bethlehem University, Bethlehem, Palestine. Poster Title: Phytochemical analysis and antibacterial activity of extracts from Palestinian Aleppo pine seeds, bark and cones.

### GRADUATION PROJECTS:

- 2017-2018:
  1. Supervising graduation project for applied chemistry students with Dr. Hatim Salim which entitled "Phytochemical analysis and antibacterial activity of extracts from Palestinian Aleppo pine seeds, bark and cones."
  2. Supervising graduation project for applied Biology students with Dr. Rami Arafeh which entitled " In Vitro Culture of the Medicinal Plant *Inula viscosa* and Secondary Metabolites Production.
- 2018-2019: Supervising graduation project for applied chemistry students with Dr. Hatim Salim which entitled " Determination and Removal of Chromium Heavy Metal in Tannery Wastewater (in Al-Za'tari Tanneries) This project won the Eng. **Zuhair Hijjawi Award** for Scientific Research 2018-2019.

### LECTURES and PRESENTATIONS:

- Presenting a scientific lecture within the scientific activities of the faculty of applied sciences at Palestine Polytechnic university which entitled "Chemical Constituents of Jordanian Propolis." On 31/10/2017
- Presentation on the Strategic plan and SWOT Analysis for the Faculty of Applied Sciences in the presence of the university president and Vice-presidents and Deans of Colleges in coordination with the office of planning and development at Palestine polytechnic University. December-2017.