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### **PERSONAL:**

**Name:** Professor Dr.-Ing **Haytham Shahin**

**Nationality:** SYRIAN

**Date of Birth:** 30.04.1961

### **ACADEMIC QUALIFICATIONS:**

<b>Academic Degrees</b>	<b>Date</b>	<b>Institution, University</b>
<b>PhD</b> Environmental Engineering	1992	Kiev Civil Engineering Higher Institute, Kiev, Ukraine
<b>B.Sc.</b> University Degree	1984	Faculty of Civil engineering University Tishreen, Syria

### **LANGUAGES:**

English; Arabic; Russian.

## **EDUCATIONAL EXPERIENCE:**

Env.Eng.Department, Faculty of Civil Eng., Tishreen\_University  
Lattakia, Syria (1992-2022).

<b>Courses</b>	<b>Date</b>
<b>Solid waste management:</b> Collection Storage Segregation Transfer. Treatment(composting, sanitary landfill)	<b>1992-2022</b>
<b>Hazardous Solid Waste Treatment:</b> Classification Sterilization Incineration Pyrolysis	<b>2009-2023</b>

## **SELECTED REFERENCES:**

<b>Date</b>	2001 –2005
<b>Location</b>	lattakia-syria
<b>Company</b>	Japan International Cooperation Agency - JICA
<b>Position</b>	Waste expert
<b>Description</b>	<b>“ Solid Waste Management in Lattakia Governorate“</b> <ul style="list-style-type: none"><li>• Estimation of the current situation of solid waste management at local cities in Lattakia Governorate.</li><li>• Evaluation of waste collection, transportation, and Treatment systems in Lattakia,Jablah, Kurdaha, Hafeh Cities.</li><li>• Mechanisms of developing the waste management process in Lattakia.</li><li>• Suggestions and recommendations.</li></ul>

<b>Date</b>	2003
<b>Location</b>	Hogeschool – Gent – Belgium
<b>Company</b>	European Commission – Tempus program
<b>Position</b>	Academic expert
<b>Description</b>	<p><b>“ Individual Mobility Grant IMG 2025, of Waste Management “</b></p> <ul style="list-style-type: none"> <li>• Overview of the European strategies, and environmental educational programme of environmental Institutions.</li> <li>• Assessment of the current status in Syrian higher environmental Institutions.</li> <li>• Development of curricula in solid waste management for Higher Institution of Environmental Research (HIER), Tishreen University, Syria.</li> </ul>

<b>Date</b>	2003 –2004
<b>Location</b>	Lattakia,Tartous - Syria
<b>Company</b>	Netherlands, DHV
<b>Position</b>	expert and member of steering committee
<b>Description</b>	<p><b>“Coastal Water Resources Management”</b></p> <ul style="list-style-type: none"> <li>• Quality and quantity of natural water resources in coastal region of Syrian coast .</li> <li>• Survey and investigation of the actual situation</li> <li>• Survey and evaluation of organizational, technical, legal framework for the implementation of the planned projects</li> <li>• Development of a sectoral approach to building sustainable water management systems.</li> <li>• Training and Awareness of decision-making and actors.</li> <li>• Development of improvement solutions</li> </ul>

<b>Date</b>	2005
<b>Location</b>	Lattakia Rigion - Syria
<b>Company</b>	Lattakia Municipality
<b>Position</b>	Waste expert
<b>Description</b>	<p><b>“ Environment Impact Assessment of Solid Waste Dumping Sites ”</b></p> <ul style="list-style-type: none"> <li>• Evaluation of old dumping sites of Bahlolia, Fedry, and Zoubar: <ul style="list-style-type: none"> <li>- Data Collection;</li> <li>- Locational Criteria;</li> <li>- Public Reaction.</li> </ul> </li> <li>• Development of a monitoring plan: Ground watert ;gas;final cover stability.</li> </ul>

<b>Date</b>	2015-2017
<b>Location</b>	Tartous Rigion - Syria
<b>Company</b>	Tartous Municipality
<b>Position</b>	Waste expert
<b>Description</b>	<p><b>“ The Rehabilitation of Solid Waste Dumpsites at local cities in Tartous Governorate”</b></p> <ul style="list-style-type: none"> <li>• The safe disposal of the negative effects of random dumps.</li> <li>• The estimated number of the random dumps spread across the province is about (62) random dumpsites.</li> <li>• Evaluation of the current situation of the random dumpsite problems.</li> <li>• Putting a general master plan that notice the (totalitarianity, the links, and treatments of these landfills) according to a priority list and giving suggestions to treat all dumpsites separately.</li> </ul>

<b>Date</b>	2018-2019
<b>Location</b>	Tartous Rigion - Syria
<b>Company</b>	Tartous Governorate
<b>Position</b>	EIA expert
<b>Description</b>	<p><b>“ Environment Impact Assessment of Airport project in Tartous Governorate”</b></p> <ul style="list-style-type: none"> <li>• Study the surrounding environment of suggested site.</li> <li>• Public reaction.</li> <li>• Evaluation of the current situation of the Agricultural Airport.</li> <li>• Putting a plan that notices the environmental effects during the construction and operating phases.</li> <li>• Putting a monitoring program.</li> </ul>

## **POSITIONS:**

<b>Position</b>	<b>Date</b>
Dean High Institute for Environmental Research -Tishreen University.	2002-2007& 2012-2014
Head of Env.Eng.Department, High Institute for Environmental Research., Tishreen_University	2010– 2012
Director of Postgraduate studies and Academic Research, Tishreen University,	2016-till present

## SELECTED PUBLICATIONS:

### BOOKS:

1. Shahin H. (1996). **Solid Waste Treatment**. Tishreen University publications, Lattakia, Syria.
2. Shahin H. (1997). **Environmental Engineering (2)**. Tishreen University Publications, Lattakia, Syria.
3. Shahin H. (2001). **Hospital waste Incineration Systems**. Kuwait Environment Protection Society, Kuwait.
4. Muzaini S. and Shahin H. (2005). Natural waste water treatment systems. Environment Public Authority, Kuwait.
5. Chromatographic Analysis of the **environment**. Chapter 17, Third Edition, CRC press, Taylor&Francis, 2006.
6. Shahin H.& others (2018). **Solid Waste Management**. Tishreen University publications, Lattakia, Syria.
7. Shahin H.& others (2017). Safety Management of **Electronic and Electrical Waste**. Arabic work association, Cairo, Egypt.
8. Shahin.H. (2019). Reducing Methane Emissions From Municipal Solid Waste Landfills By Using Mechanical Biological Treatment(Case Study Wady Alhaddeh (MBT) plant, In Tartous). **Waste Management in MENA Region**, Environmental Earth Science, **Springer**.

### ARTICLES IN PERIODICAL JOURNALS:

1. Shahin H., Wazan Abdel – kader. “Collection and transportation technology of **solid waste** – case study: Lattakia city” Tishreen university journal for studies and scientific researches, engineering Vol. 1997.
2. Shahin H., Wazan Abdel – Kader. “The treatment of **solid waste** in Lattakia city” Bassel Al-Assad Journal for engineering sciences, N° 7-July 1997.
3. Shahin H. "Environmental evaluation of natural treatment plants of **solid wastes**, case study: composting plant in Lattakia region". Damascus University journal for engineering sciences. V (19) number (1) 2003.
4. Shahin H., Alia Tamim. “The **composting** of olive male solid residues” Tishreen University Journal for studies and scientific research, Engineering series 2008.

5. Shahin H. “Development of mathematical hatistical model of **hazardous waste** estimation in Latakia City hospitals” Tishreen University Journal for studies and scientific research, Engineering series 2011.
6. Shahin H. “Environmental Management of **waste in Industrial region** of Tartous ”. Al-Baath University Journal for studies and scientific research, Medical series 2014.
7. Shahin H.”Developing of collection and transfer of **solid waste** in Lattakia City by using GIS”. Tishreen University Journal for studies and scientific research, Engineering series 2014.
8. Shahin H. Environmental awareness of **plastic recycling**, case study: Lattakia Governorate”. Al-Baath University Journal for studies and scientific research, Medical series 2015.
9. Shahin H. Rehabilitation of dumping solid waste disposal sites in Safita city-Tartous Syria, Al-Baath University Journal for studies and scientific research, 2018.
10. Shahin H. **A comparison of selected parameters of leachate and recycled aggregates used in the design of sanitary landfills.** Journal of Entomology and Zoology Studies, Volume 7, Issue 3, 2019, India.
11. Shahin H.& others (2022).**Solid Waste Treatment Using Multi-Criteria Decision Support Methods Case Study Lattakia City.** Baghdad Science Journal, SDI/111, University of Baghdad.
12. Shahin H.& others (2022). **Treatment of Lakes Water by Polycyclic Aromatic Hydrocarbons Using Hydrodynamic Cavitation.** Asian Journal of Advances in Research,2022-volume 17-Issue 4.

**Prof.Dr.-Eng. HAYTHAM SHAHIN**