

# Academic Curriculum Vitae



## Personal Information:

Full Name: Dr. Zhian Rashid Salih  
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## Education:

<b>B. Sc.</b>	<b>Salahaddin</b>	<b>Education</b>	<b>Biology</b>	<b>1989</b>	<b>Iraq</b>
<b>M. Sc.</b>	<b>Salahaddin</b>	<b>Education</b>	<b>Biology</b>	<b>1997</b>	<b>Iraq</b>
<b>Ph. D.</b>	<b>Salahaddin</b>	<b>Science</b>	<b>Environmental Science and Health</b>	<b>2019</b>	<b>Iraq</b>

## Employment:

Salahaddin University-College of Education, Biology department, 10/09/1989 Until now

## Qualifications

- **Teaching qualifications:**  
Environmental pollution, Ecophysiology, Plant physiology, Plant anatomy, Plant nutrition.
- **IT qualifications:**  
Microsoft word, Powerpoint, Excell, SPSS. GraphPad
- **Language qualifications:**  
Kurdish, Arabic, English.

## Teaching experience:

- 1- Environmental pollution.
- 2- Ecophysiology.
- 3- Plant physiology.
- 4- Plant anatomy.
- 5- Plant nutrition.

- Training course:

Teaching	One month	University of Salahaddin / Erbil
Computer	One month	University of Salahaddin / Erbil

## Research and publications

	Thesis	Volume	Number	1997
1- The effect of phosphorus on some characteristics of germination, vegetative, growth and yield of Lentil plant ( <i>Lens culinaris medic</i> )				
2- The effect of salt stress on leaf water relations, growth and yield in wheat varieties.	Journal of Babylon university	10	3	2005
3- Morphological responses of wheat and lentil crops to ultraviolet radiation.	Journal of Babylon university	12	3	2005
4- Effect of different auxins and type of cuttings on rooting ability of orange ( <i>Citrus sinensis</i> L.local Cv.) cutting.	Zanco Journal for Pure and Applied Sciences	19	2	2007
5- Effect of Foliar Application of Zinc on Growth, Yield and some Chemical Constituents of Faba Bean ( <i>Vicia faba</i> L. sham local CV.)	JOURNAL OF DUHOK UNIVERSITY	10	2	2007
6- Rooting ability responses of ( <i>Olive europaea</i> L. Digal) to different kinds of auxins and type of cuttings	JOURNAL OF DUHOK UNIVERSITY	12	1	2009
7- Interaction effect of iron and plant growth regulators on growth and chemical components of broad bean plant	Zanco Journal for Pure and Applied Sciences	1	2	2010
8- Effect of Foliar Application of Boron on Growth, Yield, and Photosynthetic Pigments of Wheat plant ( <i>Triticum aestivum</i> L. Rizgarie)	4 <sup>th</sup> international scientific conference of Salahaddin university			2011
9- EFFECT OF FOLIAR APPLICATION OF MAGNESIUM ON GROWTH, YIELD, AND PHOTOSYNTHETIC PIGMENTS OF BARLEY PLANT	First International Scientific Conference of Zakho University			2013
10- Response of barley ( <i>Hordeum vulgare</i> L.) plants to foliar fertilizer with different concentration of Hoagland solution.	Journal of uloom science- Mosul university			2014
11- Effect of foliar and soil application of sulfur on growth, yield, and photosynthetic pigments of the wheat plant	The journal of Raparin university			2015

12- Some Physiological Parameters of the Growth of Wheat Plant Soaking with Zamzam and Well Water	1 <sup>st</sup> international scientific conference of Kirkuk university			21-22/9/2015
14- Heavy Metals Accumulation in Leaves of Five Plant Species as a Bioindicator of Steel Factory Pollution and their Effects on Pigment Content	Polish Journal of Environmental studies. Journal With impact factor 1.867	28	6	30/7/2019
15- Heavy Metal Accumulation in Dust and Workers' Scalp Hair as a Bioindicator for Air Pollution from a Steel Factory	Polish Journal of Environmental studies. Journal With impact factor 1.867	29	2	16/12/2019
16- Plants as bioindicators of heavy metal pollution	ZANCO Journal of Pure and Applied Sciences	35	2	2023
17- Effects of the electrical generator on the concentration of heavy metals in soil and plants	ZANCO Journal of Pure and Applied Sciences			2023
18- Evaluation of Rainwater Quality in Some Polluted Locations within Erbil Province	Polish Journal of Environmental studies.	33	2	2024
19- Assessment of heavy metals in rainfall as an indicator of air pollution from Erbil Steel Factory in Iraq	Environmental Monitoring and Assessment	196	3	2024

## Conferences and courses attended

1- Effect of Foliar Application of Boron on Growth, Yield, and Photosynthetic Pigments of Wheat plant ( <i>Triticum aestivum</i> L. Rizgarie)	4 <sup>th</sup> international scientific conference of Salahaddin university			2011
2- EFFECT OF FOLIAR APPLICATION OF MAGNESIUM ON GROWTH, YIELD, AND PHOTOSYNTHETIC PIGMENTS OF BARLEY PLANT	First International Scientific Conference of Zakho University			2013
3- Some Physiological Parameters of the Growth of Wheat Plant Soaking with Zamzam and Well Water	1 <sup>st</sup> international scientific conference of Kirkuk university			2015

## Funding and academic awards

### Professional memberships

- 1- Kurdistan biology syndicate.
- 2- Kurdistan teaching syndicate.

### Professional Social Network Accounts:

- 1- Researchgate link (<https://www.researchgate.net/profile/Zhian-Salih>).
- 2- Googlescholar link (<https://scholar.google.com/citations?user=YIKFbCwAAAAJ&hl=en>).
- 3- Linkedin link (<https://www.linkedin.com/in/zhian-salih-b1b684123/>).

### **Academic cover letter**

I pursued my B.Sc. in biology department, college of education, Salahaddin University in 1989 as an assistance biology and awarded M.Sc. of plant physiology in 1997. Then, I started to work in the same department, as an assistant lecturer. And then upgrading to lecturer in 2005 and to assistance professor in 2009. I awarded PhD. of Air pollution and Ecophysiology in 2019 in the college of science, Environmental Science department of Salahaddin University. The teaching experience is both theoretical and practical including plant physiology, plant anatomy, plant nutrition, scientific debate and botany.