***Curriculum Vitae***

**Dr.Shatha Ali Shafiq Al-Taii**

***Mustansiriyah University – College of -Science***

***Mobile****: +9647804829466*

***Email****:* [*spsht@uomustansiriyah.edu.iq*](mailto:spsht@uomustansiriyah.edu.iq)

**Personal Summary:**

* Dr. Shatha Ali Shafiq professor –College of Science –Department of Biology –Mustansiriyah University / Baghdad – Iraq . working in field Biology ,minor specialization is Mycology and Mycotoxicology

**Education:**

* **Ph.D. Botany - Mycotoxins**
* Title: ” Effect of flavenoid Some Plants on Mutangenic Influence Methotrxate (MTX) and Aflatoxin B1 ”**Coll. Sci. - Mustansiriya university- 2005.**
* **Master of Science in Botany - Mycology**
* Title: “Effect and utilization of crude oil and some derivatives by aquatic fungi isolated from Tigris river” Baghdad university - 1999
* **Bachelor in Biology - Microbiology - Coll. Sci. - Mustansiriya university- 1997.**

**ACADEMIC HONORS AND AWARDS:**

* 1-Award of Lʼoreal Unesco for Women in Science Levant and Egypt fellowships. As one of the five Arabic Scientist in 2016.
* 2-Award of Al- Mustansiriya for Science and Arts ,2016.
* 3-Acknowledgements from ministry of higher education and scientific research . No. 5
* 4- Acknowledgements from Dean of college of science and others colleges and researches centers . No. 20
* 5- Acknowledgements from president of Mustansiriyah University No.5
* 6- Acknowledgements from president of University of Technology No.1

**ACADEMIC /TEACHING EXPERIENCE:**

* Assistant lecturer 2000-2005 taught at laboratories of plant anatomy and classification – plant physiology – Mycology and classification of mycology
* Lecturer 2006-2010 taught theoretical lectures cell biology - plant anatomy and classification- Mycology and classification of mycology-General Mycology
* Assistant Professor 2010 to present taught theoretical lectures undergraduate levels Mycology and classification of mycology-General Mycology , theoretical lectures for master of students –Botany at Mustansiriyah university and Ph.D students at university of Baghdad .
* Supervisor on master students - graduated 5 masters of students
* Member and chair of Master's and Ph.D 's Thesis committee . No.(45)
* Scientific Reviewer for master and P.D thesis No(10).
* Scientific Reviewer for scientific promotions No(10) .
* Scientific Reviewer in different scientific journals locally and internationally No(50).
* Share in some training courses as trainer ( ELISA Technique , PCR Technique , Chromatography techniques , Primers designer, Nanotechnology , statistical analysis course ) No.(6)

**COURSES TAUGHT:**

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| **Undergraduate** | **Graduate** |
| * Mycology and classification of Mycology/ 4th level * General Mycology /2nd level * Plant Anatomy and plant taxonomy /2nd level * Cell biology / 3th level * Myotoxicology -4th level * Medical myology -4th level | * Periodical /master student – Biology * Cell biology /master student – Biology * Seminars /master student – Biology * Mycological Plant Pathology/master student – Biology * Mycotoxicology //Ph.D students –Biology |

**PROFESSIONAL AFFILIATIONS:**

* Scientific committee in department of biology –College of Science
* Committee of graduate studies in department of biology –College of Science
* Member at the Association of University lecturers -head quarter – Baghdad- Iraq.
* Member in Iraqi Biological Organization – Baghdad – Iraq .
* Editorial board member in five different international scientific journals
* Reviewer member – AMARABAC Journal

**PUPLICATIONS:**

**PUBLISHING BOOKS**

1- Enhancement of L-Asperginase Production . 2013 .Lambert Academic Publishing . ISBN : 978-3-659-50720-5.

2- Bioseparation Techniques .2014. CreateSpace Independent Publishing Platform; 1 edition (February 1, 2014) . ISBN-10: 1496129539 • ISBN-13: 978-1496129536 .

3-Detoxifying Agents of Zearalenone .2014. Lambert Academic Publishing,Germany . ISBN : 978-3-659-55171-0 .

4- Mycological Plant Pathology .2015. CreateSpace Independent Publishing Platform; 1 edition (March 1, 2015) ISBN-13: 9781508567813 ISBN-10: 1508567816.

5-Detoxification of Patulin: Investigation for Patulin ToxinProducing from some Fungi in Dried Fruits and its Biological Degradation.2016. LAP LAMBERT Academic Publishing (May 23, 2016), Germany. ISBN-10: 3659873543. ISBN-13: 978-3659873546

**PATENTS**

1. patent entitled (Evaluation the efficiency of magnetic field and some of chemical absorbents in reducing of Zearalenone mycotoxin) .2015 , Number (4237) و international rating (C12Q1/00) ,The Ministry of Planning-central agency for standardization and quality control –Iraq
2. Patent entitled (Evaluation the efficiency of Probiotic Iraqi Product and Saccharomyces boulardii in Detoxification of Zearalenone In vivo ). 2017 , The Ministry of Planning-central agency for standardization and quality control –Iraq

**PUBLIshing PAPERS**

1- Effect and utilization of crude oil, gasoline and kerosene on the vegetative growth of Achlya conspicua and Saproleginia declina . 2002. the second conference and exhibition on biotechnology and genetic engineering . Kingdom of Bahrain.

2- Effect and utilization of crude oil from some fungi isolated from soil. 2010. Journal of ibin Al- Haithem

3- Effect of flavenoids extracted from some plants against toxic effects of Aflatoxin B1 on some liver enzymes of mice. 2010. Journal of ibin Al- Haithem

4- Effect of crude oil and some derivatives on sexual and asexual reproduction and germination of cyst spores of Saproleginia declina , Achlya conspicua . 2000 . Third conference ofJournal. Diala

5- Effect of plant extracted of Plantago major on genetic of human lymphocytes .2010. Iraqi j. science, university of Baghdad., 51(3).

6- Estimation of mutagenic ability of flavenoids compounds extracted from hypericum perforatum L. .2010. j. al-mustansiryia science, Vol:21, No: 2.

7- Synergistic effect of plant Medicago sativa and fungi Aspergillus niger on utilization of crude oil as a sole source of energy 2010 j. al-mustansiryia education, Vol: , No:3

8- Effect of flavenoids extracted from some medical plants on decreases toxic effect of MTX methotraxate and contaminated diet by Aflatoxin B1 . 2009. . j. al-Mustansiryia Science ,Vol: 20 , No: 1.

9- Histopathological and enzymetic study on the effect of Aspergillus fumigatus in mice . 2011. j. fact. Med. Baghdad , Vol: 52 , No: 4

10- Reduction of toxic effects for Aflatoxin B1 by filtrates baker yeast Saccharomyces cerevisiae. 2011 . j. basic education ,Vol: 17 , No: 72

11- Utilization of fruits of some plants as a culture media for isolation and identification of Cryptococcus neoformans .2011 - j. Al-Mustansiryia Education , Vol :1, No : 3.

12- Effect of flavenoids extracted from some medical plants on mutagenic effect caused by Aflatoxin B1 contamination. 2012. The 2nd conference of deparment of biology – Al- kalim Journal . 25(5).

13- Effect of flavenoid some plants on mutangenic influence aflatoxin B1. 2011 . 7th conference of college of Science – Journal of Al- Mustansiriya science , Vol: 22 , No: 5.

14- Preparing laboratory kits for measuring some of the properties chemical and physical water. 2013 . Al-Mustansiryia science , 24 (6) .

15-Synergistic effect of flavonoid extract proantrocyandin with filtrate bacteria Lactobacillus acidophilus against Salmonella typhimurium in vivo and in vitro. 2013. j. basic education. 19(79).

16- Purification of endo – 1,4- beta – xylanase from Trichoderma reesei and functional characterization of the produced enzyme . 2013 . International of Journal Biochemistry and Biotechnology (IJBB), Vol:5 , No: 1.

17- Effect of plant extracted Salvadora persica L.on some isolated pathogens from mouth and teeth in vivo . 2015. World Journal of Pharmaceutical Research, Volume 4, Issue 1, 1571-1576.

18- Effect of Magnetic Field on germination of some seeds .2013 . j. al- Mustansiryia science , 24 (6) .

1 9- Cytotoxic effect of silver nanoparticles on L20 B cells .2013. World Journal of Pharmaceutical Research , Vol:2 , issue :4.

20- Comparative study between liquid state fermentation and solid state fermentation for production of endo – 1, 4- beta – xylanase by Bacillus licheniformis . 2013. Journal of American Arabic Academy for Sciences and Technology AMARABA . vol(4) No(11)

21- Isolation and Culture of Acinetobacter baumannii . 2013 . World Journal of Pharmaceutical Research . V:2 , Issue: 5

22-‘’In vitro antimicrobial agents of fruit peels extract of Punica granatum L. and Citrus sinensis against many bacterial and fungal genera’’ 2013 . International journal of current science , Vol(9) : 15-20.

23- Evaluation the Efficiency of Magnetic Field and Some of Chemical Absorbents in Reducing of Zeralenone Mycotoxin .2013 . . Journal of American Arabic Academy for Sciences and Technology AMARABA , 4(9).

24- The effect of magnetic field on bacteria Escherichia Coli and Streptococcus mutans . 2014 . vol : 25 No:1 . j. al- Mustansiryia science.

25-Antimicrobial activity of crude and purified of Pediococcus pentosaceus bacteriocin . 2013 .World Journal of Pharmaceutical Research , vol(3) issue 1

26-Effect of crude and purified of Pediococcus pentosaceus bacteriocin on the growth and zearalenone production by fusarium graminearum . 2014 . International Journal of Current Engineering and Technology , 4 (1) .

27-comparasion the cytotoxicity of Aflatoxin B1 and Zearalenone in L20 B cell.2013 . world J. pharmacy and pharmaceutical sciences (WJPPS).V(3). Issue 1

28- Detection of the Optimal Conditions for Tannase Productivity and Activity by Erwinia Carotovora , 2015 .International conference on substantial environment Technologies , Dubai Publishing doi: 10.12720/jomb.4.3.198-205 Journal of Medical and Bioengineering Vol. 4, No. 3, June 2015

29- Effect of plant extracted Moringa oleifera Lam.on some isolated pathogens from mouth and teeth ,2014 . World Journal of Pharmaceutical Research (WJPR) , Volume 3, Issue 10, 17-22.

30- Antifungal activity of algal Spirogyra sp. Against fungal Fusarium oxysporum.2015 . World Journal of Pharmaceutical Research (WJPR) , Volume 4, Issue 1, 1620-1628.

31- Antagonistic activity of probiotic and sea weed extract against vegetative growth for some fungi and zearalenone production . 2015 . World Journal of Pharmaceutical Research (WJPR) , Volume 4, Issue 1, 1577-1585.

32- Decreasing the Bacterial Pollution for Wastewater by Using Ultrasound . 2015 .Iraqi J. Science and Technology , (under publish) .

33- Study the Histological and Biochemical Changes Induced by Mycotoxin Zearalenone in White Mice .2016. J. basic education, volume 22 , No.95 .

34- Using of Iraqi probiotic to detoxify Patulin in albino mice .2015. International J. Innovation and Applied studies , Vol. 11 No. 2 : pp. 282-290

35- Detection of Zearalenone in the poultry feed in Baghdad Governarate and isolation toxigenic isolates of Fusarium spp. 2013. . j. basic education, v(19) , No.(79) :133-144.

36-The Effect of Using Zeta Potential to Prevent Biofilm from water Tanks , 2015 . International Journal of Innovation and Applied Studies , Vol. 12 No. 3 : pp. 552-558.

37- Investigation of mycotoxin Patulin in some types of dried fruits in Baghdad governorate .2015. International Journal of advanced research , 2 (10) : 1128-1135.

38- The use of the electric field in the treatment of eutrophication .2016. International Journal of Innovation and Applied Studies , Vol. 15 No : 250-263 pp

39- Biodiversity of Rotifera in Tigris River at Baghdad City.2016. International Journal of Innovation and Applied Studies ,Vol. 16 No. 2 Jun. 2016, pp. 331-341 .

40-Study of Biosynthesis silver nanoparticles by Fusarium graminaerum and test their antimicrobial activity.2016. International Journal of Innovation and Applied Studies, Vol. 15 No. 1 : pp. 43-50

41- preparation of local culture media for growth of fungi isolated from refrigerator , 2nd conference of Environment and sustainable development 28-29 October 2016 . Vol.34 ,No. 3:104-149pp.

42- Isolation and Identification of Patulin Toxigenic Fungi Associated with Date Fruits in Iraq. 2016. International Journal of advanced research (under publishing).

43-DETOXIFICATION OF PATULIN MYCOTOXIN USING BY SEAWEED EXTRACT OF BROWN ALGAE

ASCOPHYLLUM NODOSUM .2017. European Journal of Biomedical and Pharmaceutical Sciences, *Volume 4, Issue 11,*

*145-147.*

44-An Evaluation of Water Pollution in the Southern Iraqi Marshes by Using Bacterial Indicators and Other Related Parameters. 2017. Journal of Global Pharma Technology , 10(9):412-418

45-Biodiesel production by oleaginous fungi before and after exposing of U.V. light .2017. International Journal of ChemTech Research , Vol.10 No.12, pp 357-363

46-Efficiency of seaweed extract of brown algae Ascophyllum nodosum against Leishmania donovani parasite,plant Arhieve . (under publishing).

**PROFFESSIONAL DEVELOPMENT**

* The second conference and exhibition on biotechnology and genetic engineering . Kingdom of Bahrain.2002 (sharing in research) .
* Third conference ofJournal. Diala .2000 (sharing in research) .
* International conference on substantial environment Technologies , Dubai . 2015 (sharing in research).
* The 2nd conference of deparment of biology – Al- kalim Journal . 2012 . (sharing in research).
* 7th conference of college of Science – Journal of Al- Mustansiriya science .2011. 2018(sharing in research).
* The 2nd conference of Environment and sustainable development . 2016 . 2018(sharing in research).
* The conferences at different Iraqi universities and workshops , as attendance . No(30)
* The 4th Middle East Molecular Biology Congress and Exhibition 2017 – Abu Dhabi, held at Zayed University Convention Center, ( sharing in poster )