**CURRICULUM VITAE**

**Personal Information**

Surname, Given name: AL-Rawi, Shadha Abduljaleel

Baghdad, Iraq

Email address: dr.shadhaalrawi@gmail.com , shatha\_mh2000@yahoo.com , dr.sh-alrawi@uomustansiriyah.edu.iq

Place of Birth: Iraq

Nationality: Iraqi

**Profile**

I awarded a PhD degree in biotechnology and biochemistry from the Natural Science of Potsdam University. My research interests were mainly focused on the activities of proteins with carbohydrates. The focus of my research was towards protein-protein interaction and protein-glucan interaction during starch degradation.

**2020- 2021** Lecturer in the department of biology /college of sciences/ AL- Mustansiriyah University-Iraq

**2015- 2020** Doctoral of Science in Biotechnology and Biochemistry from Institute of Biochemistry and Biology, University of Potsdam, Germany.

**Subjects**: Biochemistry and Biology

The title of PhD work: “Biochemical studies to determine the role of Early Starvation 1 (ESV1) protein and its homologue Like-Early Starvation 1 (LESV) during starch degradation.”

**2014- 2015** I joined the institute of language at EIIE EURASIA INSTITUTE for International Education. Berlin

**2003- 2014** Lecturer in the department of biology /college of sciences/ AL- Mustansiriyah University-Iraq

**1999- 2002** Master of Science in Biology from AL- Mustansiriyah University-Iraq

**General specialization**: Zoology

**Specific specialization**: Tissues and Animal physiology

**Master thesis is about**: Structural and hormonal changes associated with Oxytocin administration in the reproductive system of immature female mice.

**1997- 1998** Lab. Assistant in the scientific laboratories in the department of biology at the college of sciences, AL- Anbar University-Iraq.

**1992- 1996** Bachelor of Science in Biology from AL- Anbar University-Iraq. Degree in general microbiology

**Teaching experiences:**

**2003- 2014** Lecturer in the scientific laboratories in the department of biology at the college of sciences, AL-Mustansiriyah University-Baghdad-Iraq.

**Scientific experiences**

-Proteins identification by mass spectrometer and western blot method.

- Proteins Separation by SDS page and native page techniques.

-Carbohydrates analysis by capillary electrophoresis.

-PCR method.

-Gene cloning.

- DNA-Extraction.

-Protein expression.

-Protein purification.

-Analysis of the fluorescence properties of proteins by fluorescence spectroscopy.

-Crosslinking of proteins.

-Yeast tow-hybrid technique.

**Language skills**

-Arabic: Mother language

-English

-Germany: A2

**Publications**

**-** Malinova I., Mahto H., Brandt F., **AL-Rawi S.** , Qasim H., Brust H., Hejazi M, Fettke J.

EARLY STARVATION 1 specifically affects the phosphorylation action of starch-related

dikinases. The Plant Journal, (2018), doi: 10.1111/tpj.13937

**-** Medini, W., Farhat, N., **Al-Rawi, S.**, Mahto, H., Qasim, H., Ben-Halima, E., ... & Rabhi, M. (2019). Do carbohydrate metabolism and partitioning contribute to the higher salt tolerance of Hordeum marinum compared to Hordeum vulgare?. *Acta Physiologiae Plantarum*, *41*(12), 190.

 **-** Hadeel Mohammed Qasim, Julia Compart, Slawomir Orzechowski, Joerg Fettke & **Shadha Abduljaleel AL-Rawi**. (2019). Identify the Specificity of Interaction between the Arabidopsis Starch Synthase 4 and the Plastidial Starch Phosphorylase using a Homologous Protein-Animal Rabbit Muscle Phosphorylase a. *Sch Int J Biochem, 2*(12): 283-289.

**-** **Shatha Abduljaleel Wafeek.** (2010). THE EFFECTS OF ORAL CONTRASEPTION PILLS (OCS) ON THE ORAL HEALTH STATUS INCLUDING SOME BIOCHEMICAL SALIVARY COMPONENTS ON IRAQI WOMEN SAMPLES. E.D.J. Vol. 56, No. 4,1:15,I**. S. S.** N 0 0 7 0 - 9 4 8 4.

**-** **S. A. Wafeeq**. (2011). Effect of Selenium on ovarian folliculogensis in immature mice. Al-Anbar J. Vet. Sci., Vol.: 4 No. (1),ISSN:1999-6527.

**-** Enas Waleed Shakir**, Shadha Abdul Jaleel Wafeq**, Noor Al-Huda Ali Abid Al Hussen. (2014). Studying the Effect of LeutiniZing Hormone and Follicular Stimulating Hormone on Poly Cystic Ovary Syndrome in Married and in Non-married Women. AJPS,Vol. 14, No.1.

##### **- SHATHA A. WAFEEQ**. (2010). [EFFECT OF SELENIUM ON STIMULATION OF GONADOTROPIN RELEASE IN IMMATURE FEMALE MICE](http://www.juaps.uoanbar.edu.iq/Article_Details.php?ID=704). Journal of University of Anbar for Pure Science, Volume:4 Issue:3.

**Signature** **Date**  *202*1