

CURRICULUM VITAE

NAME	Sahar Irhayyim Hussein
DATE OF BIRTH	30-JULY-1978
PLACE OF BIRTH	Baghdad, Iraq
SEX	Female
NATIONALITY	Iraqi
MARITAL STATUS	Single
RELIGION	Muslim
LANGUAGES	Arabic, English
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- **Educational Qualifications**

A. B.Sc. In Microbiology (4 years) from Baghdad University/collage of science/Dept. Of biology at 2000.

B. M.Sc. In microbiology (enzymology), from Baghdad University /collage of Science/Dept. of biotechnology 2009. My thesis title (*The biochemical characterization of gelatinase enzyme produced from the local isolate of Enterococcus faecalis*).

C. PhD. In environmental biotechnology and enzymology, from Baghdad University /Collage of Science/Dept. of biotechnology 2017. My thesis title (*Biodegradation of Industrial Dyes in a bioreactor by Free and Immobilized Laccase from Local Isolate of Pseudomonas aeruginosa SR3*).

- **Skills**

- Computer skill: Work with basic computer programs (MS Office, Word, Excel, Power Point, etc....).

- **Lectures taught**

1. Parasitology
2. Histology
3. Fungi
4. Algae
5. Enzymology
6. Bio separation
7. Biotechnology
8. Environmental Biotechnology
9. Biological Control
10. Industrial Microbiology
11. Fermentation Technology
12. Foundation of Technology

- **Scientific conferences and symposia**

- I. Workshop on fermentation and bioreactors, organized by biotechnology department, college science, university of Baghdad during 19-23 may 2013.
- II. Workshop on fermentation technology and bioreactors and its applications, organized by biotechnology department, college science, university of Baghdad during 24-28 2013.
- III. First scientific conferences / biology department/ college science, university of Baghdad during 6-7 march 2012.
- IV. Second scientific conferences / biotechnology research center / al Narayan University / November 2010.
- V. Biosafety training course at collage science / Biotechnology department during 4-7/9/2016.
- VI. 6th International Conference and Workshop on Basic and Applied Sciences in Erbil, Kurdistan – Iraq. Website: <http://icowbas2017.su.edu.krd>.

VII. Work shop in Biosafety (BMENA Bioethics Forum and CRDF Global Issued) on: August 15, 2017

- **Research Work**

- Purification and Charecterization of Gelatinase from Local Isolate of *Enterococcus faecalis* B91 (A thesis submitted to college of science/university of Baghdad in partial fulfillment of the requirements for the degree of Master of Science in biotechnology).
- Determiation of the Optimum Conditions for Gelatinase Production from local isolate *Enterococcus faecalis* B91 (A thesis submitted to college of science/university of Baghdad in partial fulfillment of the requirements for the degree of Master of Science in biotechnology).
- Immobilization, Characterization and Removal efficiency of dyes pollutants using laccase produced by local isolate *Pseudomonas aeruginosa* SR3 (A thesis submitted to college of science/university of Baghdad in partial fulfillment of the requirements for the degree of Doctorate of Science in biotechnology).
- Determiation the optimum conditions of laccase production by local isolate of *Pseudomonas aeruginosa* SR3 using lab scale fermenter. (A thesis submitted to college of science/university of Baghdad in partial fulfillment of the requirements for the degree of Doctorate of Science in biotechnology).
- Decolorization of Textile Dyes in Packed Bed-Reactor Using Batch and Continuous System by an Immobilized Laccase Produced from Local Isolate of *Pseudomonas aeruginosa* SR3 (A thesis submitted to college of science/university of Baghdad in partial fulfillment of the requirements for the degree of Doctorate of Science in biotechnology).
- Extraction and Purification of Protease Inhibitor from Seeds of Some Plant and Evaluate Its Antimicrobial Activity.
- Effect the (He-Ne) Laser in amylase and protease activity of *Vicia faba* seed and seedling.
- Determiation the optimum conditions of inulinase enzyme from *Kluyveromyces marxianus*.

- **Publication**

- Al-Assadi.S.I. (2013). Extraction and Purification of Protease Inhibitor from Seeds of Some Plant and Evaluate Its Antimicrobial Activity. International journal for science and technology, V: 8 , N: 2 , P: 23-30.
- Aziz,G.M. ; Alassadi,S. I. ; Hussain ,Z.A. (2011).Determination the optimum conditiond for production inulinase enzyme from *Kluyveromyces marixians*. International journal for science and technology, V: 6, N: 2, P: 100-107.
- Aziz,G.M. ; Alassadi,S. I. ; Ali, F.H. (2012). Effect of (helium - neon) laser in the effectiveness of amylase and protease enzymes of the peas seeds and seedlings. International journal for science and technology, V: 7, N: 1, P: 82-88.
- Al-Assadi.S.I., Haider, N.H., Aziz, G. M. and Hussein, Z. A.(2017). Determination the optimum conditions of laccase production by local isolate of *Pseudomonas aeruginosa* SR3 using lab Scale fermenter. International Journal of Science and Nature.8 (2).
- Al-Assadi.S.I., Aziz, G. M. Haider, N.H. and al-banaa, A.K.(2017). Decolorization of Textile Dyes in Packed Bed-Reactor Using Batch and Continuous System by an Immobilized Laccase Produced from Local Isolate of *Pseudomonas aeruginosa* SR3. Current Research in Microbiology and Biotechnology Journal. 5(4): 1157-1166.
- Al-Assadi.S.I., Aziz, G. M. Haider, N.H.(2017). Immobilization, Characterization and Removal efficiency of dyes pollutants using laccase produced by local isolate *Pseudomonas aeruginosa* SR3. International Journal of Science and Nature.8 (2).
- Al-Assadi.S.I., Aziz, G. M. (2009). Purification and Charecterization of Gelatinase from Local Isolate of *Enterococcus faecalis* B91. Al-Nahran Journal.
- Determination of the Optimum Conditions for Gelatinase Production from local isolate *Enterococcus faecalis* B91. Baghdad Journal.