

# CURRICULUM VITAE

## PERSONAL INFORMATION

**Name:** Layla Mohsen Mehdi Alhasan

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**Current address:** Al-Shuhdda Street, Thi-Qar, Iraq.

**Work address:** Thi-Qar University, Education College for Pure Sciences, Biology Department, Thi-Qar, Iraq

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## Employment History

**July 2019- Present- Professor** (Education College for Pure Sciences, Biology Department, Thi-Qar University, Thi-Qar, Iraq)

**February 2017-2019** Assistant Professor (Education College for Pure Sciences, Biology Department, Thi-Qar University, Thi-Qar, Iraq)

**February 2016–February 2017** (Part time Post-Doctoral Research Fellow) School of Biomedical engineering, Swinburne University, Melbourne, Australia (Biomedical engineering Laboratory)

**01 July 2015–31 December 2015** (Research Assistant- Life Scientist NEC) School of Biomedical engineering, Swinburne University, Melbourne, Australia (Biomedical engineering Laboratory).

## Academic Qualifications

2011-2016 RMIT University, Melbourne, Australia

**PhD (Cell and Molecular Biology- Biotechnology)**

Thesis Ph.D. (Applied Biology/Biotechnology).

**Thesis title:** Design and Development of miRNA and stem cells based micro/nano systems as lung disease therapy.

**2009-2016** Assistant Professor Life Scientist at Biology Department, Faculty of Education, Thi-Qar University.

**2004-2009** Lecturer Life Scientist at Biology Department, Faculty of Education, Thi-Qar University.

**2002-2004** Assistant Lecturer Life Scientist at Biology Department, Faculty of Education, Thi-Qar University.

**1998-2001** Baghdad University, Baghdad, Iraq Master Degree in Biological Sciences, Biology Department, Science Faculty for Women.

**Thesis title:** Morphological description, Histological structure of olfactory organs in *Heteropneustes fossilis* (Bloch) and *Rana ridibunda* (Pallas) using Light and Scanning electron microscopy.

1997-2002 Research Assistant (Biology Department, Faculty of Education for Sciences, Thi-Qar University).

### **Computer skills**

- \* Versatile in the use of various Microsoft packages such Project manager, MS Outlook, MS Excel, MS Word, MS Access and MS PowerPoint.
- \* Sound understanding of statistical packages such as SPSS, GraphPad Prism
- \* Good understanding of confocal microscopy, Flow cytometer, molecular techniques such as: DNA extraction, PCR, RNA extraction and Quantitative polymerase chain (qPCR) analysis.
- Presentation skills, team building, appraisal training and conflict resolution and negotiation skills.

## **Additional Skills**

- \* Good Interpersonal and Communication skills.
- \* Presentation & declamation Skills.
- \* Good Dealing with students.
- \* Pro-active and enthusiastic team member with experience of working in multi- disciplinary teams. Activities
- \* Executive reviewer Member for the “Biomicrofluidics” journal.
- \* Active member in Biotechnology Laboratory (RMIT University).
- \* Active member in Biology Department since 1997 till present.
- \* Active member in examination panel/Biology Department/Education Faculty, Thi-Qar University from 2004-2010.

## **HONOURS AND AWARDS**

- Top student (ranked 1st) in Biology Department, Education Faculty, Anbar University, 1996.
- PhD scholarship from Iraqi Government, Iraq (attached embassy salary from May 2010-August 2015).
- PhD (top-up) Scholarship from my supervisor (Peggy Chan) for January –April 2014.
- Paper on A sound idea for treating lung disease, Chemistry World story now online selected from RSC Advances and considered as a hot article. . C5IB00206K (2016).

## Publications

1. Alhasan, L. MiR-126 Modulates Angiogenesis in Breast Cancer by Targeting VEGF-A -mRNA. *Asian Pacific Journal of Cancer Prevention*, 2019; 20(1): 193-197. Doi: 10.31557/APJCP. 2019.20.1.193.
2. Alhasan L, Addai, ZR. Allicin-induced modulation of angiogenesis in lung cancer cells (A549). *Tropical Journal of Pharmaceutical Research* November 2018; 17 (11): 2129-2134.
3. Alhasan, L . A Qi, A Al-Abboodi, A Rezk, PPY Chan, C Iliescu, LY Yeo, Rapid Enhancement of Multicellular Spheroid Assembly by Acoustically-Driven Microcentrifugation, *ACS Biomater. Sci. Eng.* DOI: 10.1021/acsbioaterials. 6b00144.
4. Alhasan, L.A Qi, A Rezk, LY Yeo, PPY Chan, Assessment of the Potential of a High Frequency Acousto-microfluidic Nebulisation Platform for Inhaled Stem Cell Therapy, *Integr. Biol.*, 2016, DOI: 10.1039/C5IB00206K.
5. Alhasan, L.W Shen, LY Yeo, PPY Chan, Liquid Marble Miniature Bioreactor - overcoming miRNA transfection limit, under review in *Angewandte Chemie* (submitted).
6. c5ib00206k Chemistry World story now online. A sound idea for treating lung disease. <http://www.rsc.org/chemistryworld/ 2015/12/stem-cell-mist-treating-lung- disease>
7. Alhasan L, KW Cheng, LY Yeo, PPY Chan, Stem cells differentiation in hydrogel for lung tissue regeneration (in preparation).
8. Khalid Al-Fartosi ; Hazar Sh.Salah ; Layla M.Mehdi. Histopatho - logical Study of Teratoma Diagnosis in Ovaries of Cattle at South of Iraq. *Journal of University of Th-Qar* , 2017,12 (12), 15-25.
- 9- Alhasan, L. Histopathological exploration & Morphological changes of thyroid gland with Grave disease. *Journal of University of Thi-Qar* 2018, 13 (4), 28-39

10. Layla Alhasan The Histological structure and Biometric in Adrenal gland of Buffalo *Bubalus bubalis* at South of Iraq. *University of Thi-Qar Journal*, 2018, 13 (3), 15-27

11. Layla M. Mehdi, Hazar SH. Saleh, Khalid G. Al-Fartosi, Hassan R. Mubarak, Zuhair R. Addai and Idres, M. Relationship between ABO blood group and breast cancer at AL-Nassyria city / Iraq. *J.Thi-Qar Sci.* 2008. Vol.1 (1): ISSN 1991- 8690.

12. Israa Najem Abdu- allah and Layla Mohsen Mahdi. Effect of Aqueous Extract of *Mentha Longifolia* on Some Hematological Characteristics of Broiler Chickens. *Bas J. Vet. Res.* 2006, vol. 5 no 1.

## **REFEREES**

Peggy Chan, PhD Lecturer Outreach and Deputy Program Coordinator Swinburne University of Technology Faculty of Science, Engineering and Technology Department of Biomedical Engineering, ATC 813, Hawthorn Campus Tel: +61 3 9214 8276,

Leslie Yeo Professor of Chemical Engineering Australian Research Council Future Fellow Micro/Nanophysics Research Laboratory, School of Civil, Environmental & Chemical Engineering RMIT University, Melbourne, VIC 3000, Australia Tel.: + 61 3 9925 2596, Fax: + 61 3 9925 3242.