

## Curriculum Vitae

### **Personal Information**

*Name:* Rasha Mohamed Mohamed Hussein.

*Place of Birth:* Beni-Suef city, Egypt.

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### **Degrees and Employment History:**

*2018- till now:* Visiting assistant professor at College of Pharmacy, Mutah University, Jordan.

*2014:* Lecturer at Department of Biochemistry, Faculty of Pharmacy, Beni-Suef University, Egypt.

*2011 -2013:* Joint supervision scholarship to the department of Cell Biology, Groningen University, The Netherlands.

*2011:* Assistant lecturer at the department of Biochemistry, Faculty of pharmacy, Beni-suef University.

*2010:* Master degree in Biomedicine, specialization in Laboratory medicine, Lund University. Sweden.

*2005:* Demonstrator at the Department of Biochemistry, Faculty of pharmacy, Beni-Suef University.

*2004 :* Bachelor of pharmaceutical sciences (excellent with honor degree) , Cairo University , Beni-Suef branch.

### ***Education and courses***

Advanced Courses at Lund University, Sweden:

- Biomedicine: clinical chemistry and clinical genetics
- Laboratory Medicine Diagnostics
- Tumor Biology
- Clinical microbiology and Immunology
- Bioinformatics and sequence analysis
- Entrepreneurship

Advanced courses at Groningen University, The Netherlands:

- Advanced light microscopy master class.
- Alzheimer's disease, aging brain and brain development master class.

Advanced courses at Beni -Suef University, Egypt:

- Basic Statistics
- Organic chemistry
- Metabolism
- Nucleic Acids
- Hormones
- Enzymes

Courses for improving teaching skills:

- Student evaluation and examination techniques
- Research ethics
- University legal and financial Aspects
- The credit Hour system
- Communication skills
- Modern Educational techniques

### ***Conferences:***

3<sup>rd</sup> Huntington disease symposium at Leiden University, the Netherlands, 2013

13<sup>th</sup> chaperone Society meeting at Utrecht University, the Netherlands, 2013

1<sup>st</sup> international conference in antioxidants, aging and degenerative diseases, Malaysia, 2015  
PI3K like protein conference, Milan, Italy, 2015

**Languages:**

Arabic : Mother tongue

English: TOEFL iBT certificate

**Computer skills:**

International Computer driving License (ICDL) certificate

**Grants**

- Principal investigator of research project (50000 EGP) funded by Beni –Suef University, Egypt.

**Prizes**

- The prize of the best PhD thesis in the pharmaceutical sciences awarded by Beni -Suef University, 2016.
- The prize of best University Staff in Biochemistry Department, Faculty of Pharmacy, Beni-Suef University for academic year 2016-2017 .

**Publications:**

- 1- Lambert, W., Rutsdottir, G., Hussein, R., Bernfur, K., Kjellström, S., & Emanuelsson, C. (2013). Probing the transient interaction between the small heat-shock protein Hsp21 and a model substrate protein using crosslinking mass spectrometry. *Cell Stress and Chaperones*, 18(1), 75-85.
- 2- Månsson, C., Arosio, P., Hussein, R., Kampinga, H.H., Hashem, R.M., Boelens, W.C., Dobson, C.M., Knowles, T.P.J., Linse, S. and Emanuelsson, C. 2014a. Interaction of the molecular chaperone DNAJB6 with growing amyloid-beta 42 (A $\beta$ 42) aggregates leads to sub-stoichiometric inhibition of amyloid formation. *The Journal of biological chemistry* 289(45),31006-31076.
- 3- Hussein, R. M., I. J. Benjamin and H. H. Kampinga (2015). "Rescue of  $\alpha$ B Crystallin (HSPB5) Mutants Associated Protein Aggregation by Co-Expression of HSPB5 Partners." *Plos one*. e0126761.

- 4- Hussein, R. M., R. M. Hashem and L. A. Rashed (2015). "Evaluation of the amyloid beta-GFP fusion protein as a model of amyloid beta peptides-mediated aggregation: A study of DNAJB6 chaperone. *Frontiers in Molecular Neuroscience* **8**.
- 5- T Motawi, OG Shaker, RM Hussein , M Houssen (2016). Polymorphisms of  $\alpha$ 1-antitrypsin and Interleukin-6 genes and the progression of hepatic cirrhosis in patients with a hepatitis C virus infection. *Balkan Journal of Medical Genetics* 19 (2)
- 6- RM Hussein.-Biochemical relationships between bone turnover markers and blood glucose in patients with type 2 diabetes mellitus. *Diabetes and Metabolic Syndrome Clinical Research and Reviews*. Volume 11, Supplement 1, S369-S372
- 7- WR Mohamed, ABM Mehany, RM Hussein. Alpha lipoic acid protects against chlorpyrifos-induced toxicity in Wistar rats via modulating the apoptotic pathway. *Environmental toxicology and pharmacology* 59, 17-23.
- 8- RM Hussein. Evaluation of the Circulating Betatrophin Concentration and its Possible Correlations Among Diabetic Patients with Dyslipidemia. *Turkish Journal of Endocrinology & Metabolism* 23 (1)
- 9- YS Mo'men, RM Hussein, MA Kandeil. Involvement of PI3K/Akt pathway in the protective effect of hesperidin against a chemically induced liver cancer in rats. *Journal of biochemical and molecular toxicology*, 2019 , e22305
- 10- MS Ali, RM Hussein, Y Gaber, OA Hammam, MA Kandeil. Modulation of JNK-1/ $\beta$ -catenin signaling by *Lactobacillus casei*, inulin and their combination in 1, 2-dimethylhydrazine-induced colon cancer in mice, *RSC Advances* 9 (50), 29368-29383