


Short CV Format

Name:	Hend Okasha Ahmed Ali	Photo 
Date of Birth:	19-8-1982	
Last University Degree – Faculty - University – Country - Graduation Date	Ph.D. Biochemistry – Faculty of Science – Ain Shams University – Egypt – Bachelor of Science: 2003 Ph.D. of Science: 2017	
Affiliation:	Theodor Bilharz Research Institute	
Current Position:	Researcher of Biochemistry (Biochemistry and Molecular Biology Department)	
Contact information:	E-mail: hend.oaa@gmail.com , h.okasha@tbri.gov.eg Tel.: 01223617105	
Experience and Research interest:	<ol style="list-style-type: none">1. Gene synthesis using a bioinformatics tool and two steps PCR assembly.2. Designing anticancer peptide using a bioinformatics tool.3. Peptides in diagnosis and treatment.4. Molecular diagnosis of EBV using qualitative and quantitative PCR.5. Molecular cloning of different genes (e.g. human interferon-gamma, HCV Core) into cloning and expression vectors.6. Lab-scale and process development for limited pilot-scale production of recombinant human interferon-gamma and human interferon alfa 2b.7. Batch and Fed-batch fermentation of genetically engineered <i>E. coli</i> strains.8. Purification of recombinant therapeutic and diagnostic proteins using fast protein liquid chromatography (FPLC) and high-pressure liquid chromatography (HPLC).9. Detection of cytotoxic activity of recombinant therapeutic proteins using mammalian cell cultures.10. In vitro cytotoxicity and anti-inflammatory of natural and synthetic compounds.	
Best Five Relevant Publications and/or granted patents		

Authors (underline your name), year, title, Journal, vol. and pages

Okasha, H. (2020). Interferon and p 53 Tumor Suppressor Marker in Hepatocellular Carcinoma. *International Journal of Pharmaceutical Research*, 12(02).
<https://doi.org/10.31838/ijpr/2020.12.02.0008>

Morsi, E. A., Ahmed, H. O., Abdel-Hady, H., El-Sayed, M., & Shemis, M. A. (2020). GC-analysis, Antioxidant, Anti-inflammatory, and Anticancer Activities of some extracts and fractions of *Linum usitatissimum*. *Current Bioactive Compounds*, 16.
<https://doi.org/10.2174/1573407216666200206095954>

Okasha, H., & Samir, S. (2020). Synthesis and molecular cloning of antimicrobial peptide chromogranin A N-46 gene using conventional PCR. *Gene Reports*, 18, 100571.
<https://doi.org/10.1016/j.genrep.2019.100571>

Hend Okasha, Marwa Hassan, Tarek Aboushousha, & Safia Samir. (2019). Effect of Interferon-Beta (IFN- β) on tumor suppressor and apoptotic markers in hepatocellular carcinoma cell line. *International Journal of Research in Pharmaceutical Sciences*, 10(4), 2936–2943.
<https://doi.org/10.26452/ijrps.v10i4.1574>

Saber, M. A., Okasha, H., Mohamed M. M., & Hassan, R. M. (2017). *Production of recombinant human interferon-gamma by batch fermentation in.* 20(1), 21–32.

Other information:

She took part in a National STDF project on production and pegylation of interferon-alpha (project ID: 1454) (2010-2017), and a National Strategic Project on Scaling up Production of Recombinant Human Interferon Gamma (project ID: 12 a) (2012-2019).

She is the PI in a project funded by TBRI on the recombinant production of two synthetic peptides using prokaryotic expression system *E. coli*. (started in 2018)

She is the Co-PI in two STDF projects on Isolation and identification of lytic bacteriophages (project ID: 33390) (started in 2019) and Process development for industrial production of human growth hormone (project ID: 33430) (started in 2019).

She is the technical manager of the Centre of excellence in bioinformatics guided development and characterization research in recombinant pharmaceutical proteins (project ID: 31257) (started in 2019).