

**Curriculum Vitae**  
**Prof. Ragaa H.M. Salama, MD, Ph. D.**  
**Professor of Medical Biochemistry and Molecular Biology**  
**Head of Medical Biochemistry Department**  
**Co-Director of Medical Research Center**  
**Faculty of Medicine, Assiut University, Assiut, Egypt**

**Personal Information**

Title : Professor of Biochemistry, Msc, MD. Ph.D.  
Head of Medical Biochemistry Departmental

Name: Ragaa Hamdy Mohamed Salama

Nationality: Egyptian

Sex : Female

Birth date: 24 / 12 / 1961

Marital status: Married and have 2 daughters

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Google scholar ID: 6ViZc4EAAAAJ

International Publication: 50

Citation : 839

h-index :15

i10-index :22

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Scopus :[Author ID: 55871122664](https://scopus.com/authid/detail/authid/55871122664)

Google scholar: [https://scholar.google.com/citations?user=MRo\\_58gAAAAJ&hl=en-](https://scholar.google.com/citations?user=MRo_58gAAAAJ&hl=en)

**Qualification:**

- Bachelor of Medicine and Surgery (M.B.B.CH ) with very good in 1985 , Assiut university, Faculty of medicine,
- Master Degree of Chest Diseases and tuberculosis** with very good in 1990, Assiut university, Faculty of medicine with title of Thesis “**Possible Bacteria in Chronic Obstructive Pulmonary Disease.**”
- **M. Sc.** of Biochemistry with excellent ,1994 Assiut university, Faculty of medicine, with title of Thesis “ **The Role of Leukotrien B4 and C4 in Bronchial Ashma**”.
- **Ph.D.** of Biochemistry and Molecular biology in 2002, **Japan, Nagoya University**, School of medicine, Department of Biological Chemistry and Macromolecules. The title of Thesis “**Genetic and Molecular Analysis of Midkine Binding Proteins.**”

## **Experiences:**

-**Senior Residence** in Assiut University Hospital, Chest Department and tuberculosis from 1987 to 1990

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**Senior Residence** in North Valley University Hospital, Chest Department and tuberculosis from 1990 - 1991.

-Demonstrator in Biochemistry Dep. Faculty of medicine, Assiut University from 1991- 1994.

-Assistant Lecturer in Biochemistry Dep. Faculty of medicine, Assiut University from 1994 to 1997.

-Entrance examination for Ph.D student in **Nagoya University**, School of Medicine.

-**Japanese language course** for 6 months in Tsuramai Campus of Nagaya University .

- **Ph. D student in Nagoya University**, School of Medicine, Department of Biochemistry I “Biological Chemistry and macromolecules “. (**Japan**) **from April 1998 to March 2002** .

-**Teaching assistant for 4 years for Japanese Medical Students**, from April 1998 to March 2002 .

-**Senior Researcher in Nagoya University**, School of medicine, Department of Biological Chemistry and macromolecules, Division of Animal Models from April 2002 to January 2003.

- First class license NO: RI98-1-130 from Radioactive Research Center in Nagoya University, School of Medicine, Japan . License for use of sealed and unsealed radioactive materials and radiation equipments. Nucleotides used  $^{125}\text{I}$  370 MBq,  $^{32}\text{P}$  23.125 MBq,  $^{45}\text{Ca}$  MBq.

- lecturer in Medical Biochemistry Dep. Faculty of medicine, Assiut University from May 2003 until April 2007.

- Assistant **professor** in Medical Biochemistry Dep. Faculty of medicine, Assiut University from May 2008 until May 2013.

- **Associate** professor in Qassim University, College of Medicine from September 2007 until June 2013

- **Professor** of Medical Biochemistry Dep. Faculty of medicine, Assiut University from June 2013 until now.

-**Co-Director** of Medical Research Center ,Faculty of Medicine, Assiut University, Assiut, Egypt From 1/9/2015 until now

- **Designed and Training Program For medical students" Small Scientist Program** Training Program on Basic techniques on Molecular Biology and cell culture:
  - First workshop on: 5-10 September 2015
  - Second workshop: 30 August -1 September 2016
  - Third workshop : 29-30 January 2017
  - Fourth workshop : 29-30 January 2018
  - Fifth workshop : 27-30 January 2019

-**Head** of Medical Biochemistry Department from 30/9/2018 until now

## **Techniques Managed:**

### **As regard Chest Diseases and tuberculosis**

Chest disease outpatient clinic and Management of all cases of inpatient chest diseases and tuberculosis

Physiotherapy for suppurative lung diseases

Pleural aspiration and introduce intercostals tube in indicated cases by various methods helping in fibropticbronchoscopy and dealing with aspiration, biopsy, bronchial wash.

### **As regard Biochemistry**

- ↙ Basic biochemistry techniques including quantitative immuno-and spectroscopic assays.
- ↙ DNA extraction and electrophoresis

- ↪ preparation and isolation Fusion protein with glutathione -s-transferase
- ↪ SDS-PAGE and Western Blotting
- ↪ Knock-out mice model handling animal model for cancer metastasis.
- ↪ Gene cloning techniques,
- ↪ DNA sequencing using ABI prism
- ↪ PCR and preparation of markers of PCR  $\phi$  x174 marker
- ↪ PGEM protocol for transformation , miniprip for plasmid DNA with endonuclease enzymes
- ↪ Transfection using lipofectamine kit of cos-7 cell , colorectal carcinoma cell line, Lewis lung carcinoma cell line with different DNA laminine binding protein receptor and midkine .
- ↪ RNA extraction and Northern Blotting studying the expression of RNA in different organs.
- ↪ Handling of different radioactive substances (phosphorus, iodine, calcium).
- ↪ Recombinant proteins characterization, preparation and purification of polyclonal antibody distributed to many American and Spanish centers .
- ↪ HPLC techniques for purification of protein and study its effect on cell growth.
- ↪ Cell culture techniques ( cell line).
- ↪ Conofocal microscopy ( Laser microscopy) .
- ↪ immunoblotting and immunoprecipitation
- ↪ Immunohistochemistry using paraffin sections and fresh smears.
- ↪ Safe handling and measurement of  $\beta$  emitters( 3H ,45 Ca , 32P) and  $\gamma$  emitters (125I ).
- ↪ Measuring with NaI (TI) scintillation counter, NAI survey meter, G.M counter , G.M survey meter, NaI survey meter for low energy photons, Liquid scintillation counter, smear test, radioactive prob.
- ↪ Chromatography using many types of columns and gels. Binding and activation of sepharose gel with specific antibodies.

### **Computer skills:**

- -Full course in computer for 50 hours form 14/5/2005
- -Training course on electronic publications of 20 hours durations from 20/8/2005 to 24/8/2005 (part-1). Photoshop, Flash, Power point, HTML, Front Page& Audio-Video (**HEEPF project**) Higher Education Enhancement Project Fund.
- Training course on E-learning with Learning Management System (LMS) of 20 hours durations from 28/1/2006 to 1/2/2006 (part -II) by using Win Word, Flash. Power Point, Front Page, Acrobat& building Simple Web site and uploading it to hosting server,
- Introduction in SPSSv.10 for windows. (**HEEPF project**).
- Training course in introduction to SPSS V.10 for windows Computer center in Agriculture collage.
- Training course on Medical Statistics and its applications by using SPSS program of 30 hours durations on December 2006
- ECDL. European Computer Driving license, Egyptian Supreme Counsel of universities, Assiut University in 2006

### **Teaching Experience:**

- Undergraduate courses of molecular biology technique in Biochemistry for 4 years to Japanese Medical Students of 1<sup>st</sup> and 2<sup>nd</sup> year .
- Undergraduate courses in Biochmistry to students of 1<sup>st</sup> and 2<sup>nd</sup> year Medical students
- Postgraduate courses in Molecular Biology and Biochemistry to student of Master Degree of Biological science for Faculty of Science, Agriculture, Veterinary Medicine, Medicine and Pharmacy.

-Co-author for book “ Review of Medical Biochemistry “ and practical book for first and second year medical students. Assiut University

### **M.Sc, MD and Ph.D Thesis Supervision**

1. Supervising master degree student , the title of thesis is “ *Possible therapeutic effects of Cu (I)-nicotinic acid coplex on the rat-model with fatty liver*”. (finished)
2. Supervising master degree student , the title of thesis is “*Serum levels of some angiogenic factor in preeclampsia*”. (finished)
3. Supervising master degree student , the title of essay is "*Some Biochemical Markers In Pregnancy Associated With Premature Rupture Of Fetal Membranes*". (finished)
4. Supervising Ph.D thesis , the title of thesis is “*Effect of Nigella Stiva, Marticaria Chamomilla and Vitamin E on Cisplatin Induced Nephrotoxicity in Rats*”. (finished)
5. Supervising Ph.D thesis , the title of thesis is “*Medicolegal Aspects of Systemic Response To Head Injury*”. (finished)
6. Supervising Ph.D thesis , the title of thesis is “*Identification of Families With Hereditary Hearing Loss With Polymorphism Analysis*”. (finished)
7. Supervising Ph.D thesis , the title of thesis is "*Role Of Some Biochemical Markers In Bladder Cancer* ".(finished)
8. Supervising Ph.D thesis , the title of thesis is “ *Apoptotic and oxidative stress markers in convulsions*”. pediatric (finished)
9. Supervising master degree student , the title of thesis is " The role of histone modifications in urinary bladder carcinoma". Master degree. Finished
10. Supervising master degree student , the title of thesis is “ Role of methylated RASF1A gene in the pathogenesis of colorectal carcinoma”. (finished)
11. Supervising MD degree student , the title of thesis is " Role of DNA Methylation in Development of Hepatitis C Related Hepatocellular Carcinoma” Ph.D.(finished)
12. Therapeutic role of transcranial direct current stimulation in Alzheimer patients. Double blind clinical Trial. Master degree. finished
13. Supervising master degree student , the title of thesis is "Pathogenesis of COPD focusing on somatic mutation and oxidative stress” (finished)
14. Acknowledged in M.D thesis for M.d. student , the title of thesis is "Epigenetic pattern in lung cancer”. Finished. Aswan University
15. Acknowledged in M.D thesis for M.d. student , the title of thesis is "effect of second hand smoke as a risk factor for ADHD in children. ”. Finished
16. Acknowledged master degree student , the title of thesis is "Epigenetic changes of breast cancer in upper Egypt”. Finished
17. Preventive role of epidural magnesium sulfate to reduce narcotic requirements in orthopedic surgery . Amro Ali Hussein Ali Zarzour. Qena Faculty of Medicine ,South valley university.2017. Finished
18. The interplay of PDL-1 gene , Vitamin D receptor expression as immune modulators in lung cancer in Egypt. Master degree
19. Identification of new signaling pathways targeting colorectal cancer in Egyptian patients. Ph.D.
20. Supervising MD degree student , the title of thesis is " The effect of dexmedetomidine on the inflammatory response in children undergoing congenital heart diseases repair with cardiopulmonary bypass: A randomized controlled clinical trial.
21. Supervising master degree student , the title of thesis is " Novel biomarkers in diagnosis of inflammatory bowel disease”. Master degree. Finished

22. Supervising PH.D degree student , the title of thesis is " Effect of NLRP3 inflammsome on pregnant women with COVID-19 .

23. Supervising master degree student , the title of thesis is “ The NAD dependent deacetylase activity of Sirtuin 1 in COVID-19.”

**24. Internal and external examiner of these thesis :**

1. Pathogenesis of COPD focusing on oxidative stress and somatic mutation”Esraa Elmahdy in Chest department. MD .2016
2. Role of DNA Methylation in Development of Hepatitis C Related Hepatocellular Carcinoma, Mahmoud Farouk, Tropical Department.2017
3. Molecular analysis for determining the function of the PRMT5 in adult –Tcell leukemia (ATL) after HTLV-1 infection . PhD of Dr Obeid Mahmoud Mohammed Ahmed (Obeid Shanab) . South Valley University. The thesis was done in University of Miyazaki, Japan ,under supersion of prof/ Kazuhiro Morishita 2017
4. Immune cells and vascular complications in hypertension Ph.D of Dr Eman Magdy M. Radwan. The thesis done in Eastern Virginia Medical School USA, under supersion of prof/Khaled Matrougui. 2017
5. The role of histone modifications in urinary bladder carcinoma”. Master degree. 2018
6. Use of Mesenchymal stem cells in an experimental model of metabolic syndrome complicated with cardiomyopathy. Ph.D of Dr Essam Abdelraheem , Sohag University , Faculty of Medicine. 2018.
7. Biochemical and molecular studies of paracetmol with N-acetylcysteine and other analogues on blood and kidney tissue in experimental rats . Faculty of Veterinary Medicine, New Valley University. Master degree, May 2019.
8. Aminoacid profile in type 2 Diabetes Mellitus with or without complications. Faculty of Pharmacy .Assiut University , November 2019
9. Antioxidants, anti-inflammatory, hypoglycemic and hypolipidemic effects of Nigella sativa in type 2 diabetic patients. Faculty of Medicine, Azhar University (Assiut). January 2020
10. Beta trace protein as predictive biomarker of chronic renal disease -Taghreed Hussein Eid Aswan University .Master Degree MSc ( March 2021) .
11. Fetuin A as a predictor biomarker of chronic renal disease -Mohamed Ali Mohamed Kandeel Aswan University .Master Degree ( March 2021) .

**-Peer Reviewing in Egyptian Universities promotion committees (EUPC) twelve cycle (2016-2019):**

- محكم فى الدوره الثانيه عشر فى اللجان العلميه لترقيه اعضاء هيئه التدريس (٢٠١٦-٢٠١٩)
١. السيده الدكتوراه [REDACTED] المدرس بقسم الكيمياء الحيويه الطبيه -كلية الطب- جامعه قناه السويس والمقدم للحصول على اللقب العلمى لدرجه أستاذ مساعد فى الكيمياء الحيويه الطبيه-١١-٢٠١٨
  ٢. السيده الدكتوراه [REDACTED] المدرس بقسم الكيمياء الحيويه الطبيه -كلية الطب- جامعه الزقازيق والمقدم للحصول على اللقب العلمى لدرجه أستاذ مساعد فى الكيمياء الحيويه الطبيه 2018-5-
  ٣. السيده الدكتوراه [REDACTED] المدرس بقسم الكيمياء الحيويه الطبيه -كلية الطب- جامعه المنوفيه والمقدم للحصول على اللقب العلمى لدرجه أستاذ مساعد فى الكيمياء الحيويه الطبيه
  ٤. السيده الدكتوراه [REDACTED] / [REDACTED] أستاذ مساعد بقسم الكيمياء الحيويه الطبيه -كلية الطب- جامعه الزقازيق والمقدم للحصول على اللقب العلمى لدرجه أستاذ د فى الكيمياء الحيويه الطبيه
  ٥. السيده الدكتوراه [REDACTED] المدرس بقسم الكيمياء الحيويه الطبيه -كلية الطب- جامعه الاسكندريه والمقدم للحصول على اللقب العلمى لدرجه أستاذ مساعد فى الكيمياء الحيويه الطبيه

### محكم فى الدوره الثالثه عشر فى اللجان العلميه لترقيه اعضاء هيئه التدريس (٢٠١٩-٢٠٢٢)

٦. تقييم النتاج العلمى للسيد الدكتور / [REDACTED] الأستاذ المساعد بقسم الكيمياء الحيويه الطبيه -كلية الطب- جامعه عين شمس والمقدم للحصول على اللقب العلمى لدرجه أستاذ فى الكيمياء الحيويه الطبيه "
٧. السيد الدكتور [REDACTED] المدرس بقسم الكيمياء الحيويه الطبيه -كلية الطب- جامعه القاهره والمقدم للحصول على اللقب العلمى لدرجه أستاذ مساعد فى الكيمياء الحيويه الطبيه
٨. السيد الدكتور [REDACTED] المدرس بقسم الكيمياء الحيويه الطبيه -كلية الطب- جامعه الاسكندريه والمقدم للحصول على اللقب العلمى لدرجه أستاذ مساعد فى الكيمياء الحيويه الطبيه
٩. السيد الدكتور [REDACTED] الأستاذ المساعد بقسم الكيمياء الحيويه الطبيه -كلية الطب- جامعه 6 أكتوبر والمقدم للحصول على اللقب العلمى لدرجه أستاذ فى الكيمياء الحيويه الطبيه
١٠. السيد الدكتور [REDACTED] المدرس بقسم الكيمياء الحيويه الطبيه -معهد الكبد - جامعه المنوفيه والمقدم للحصول على اللقب العلمى لدرجه أستاذ مساعد فى الكيمياء الحيويه الطبيه

### محكم دولى للتريقيه لكل من

- ١- جامعه جيزان -المملكه العربيه السعوديه-ترقيه لدرجه استاذ مساعد
- ٢- جامعه عمان الاهليه - الاردن -ترقيه لدرجه استاذ

### Memberships:

1. Membership of Egyptian Society of Chest Diseases & Tuberculosis since 1990.
2. Membership of **Japanese Society of Biochemistry on 2001.**
3. Membership of Egyptian Society of Biochemistry & Molecular Biology since 2003.
4. Membership of **Research Center Committee of College of Medicine, Qassim University, KSA** from 2010 -2013
5. Membership of postgraduate committee , Faculty of Medicine , Assiut University.
6. Membership for evaluation of proposal submitted to grant office since 2016
7. Co-director of Medical research Center –Faculty of Medicine –Assiut University from 2015 till now

### Reviewer

1. Reviewer of papers for Toxicology from 2007 (1<sup>o</sup> papers until know).
2. Reviewer of papers for Archives of Biochemistry & Biophysics from 2007.
3. Reviewer of papers for Liver International since 2011
4. Reviewer of papers for International Archives of Medicine
5. Editor and reviewer in African Journal of food science.  
<http://www.academicjournals.org/ajfs/Faculty1000.htm>
6. Journal of Medicine and Medical Sciences, from 2011. ■ [www.interesjournals.org/JMMS](http://www.interesjournals.org/JMMS)
7. International Research Journal of Microbiology, from 2011. [www.interesjournals.org/IRJM](http://www.interesjournals.org/IRJM)
8. International Journal of Health science, Qassim university-2010-2013
9. Co-Editor in International Archives of Medicine from 2009 -2011  
<http://www.intarchmed.com/edboard/>
10. Editor in African Journal of food science. <http://www.academicjournals.org/ajfs/Faculty1000.htm>
11. Editor in International Journal of Health science, Qassim university-2010-2013  
<http://www.ijhs.org.sa>

### List of Publications :-

1. Missense, silent, non-sense and frame-shift mutations in exon 3 of the filaggrin gene in

patients with bronchial asthma, atopic dermatitis ,allergic rhinitis and mixed atopy. **Ragaa H. Salama** , Zafar Rasheed , Ahmed A. Ahmed , Ghada A. Bin Saif , Maha M. Elkholy , Alaa E. Abd El-Moniem , Tarek Salem , Khaled Zedan , Ahmad A. Al Robaee & Abdullateef A. Alzolibani. Nucleosides, Nucleotides & Nucleic Acids, DOI: 10.1080/15257770.2021.1880009  
To link to this article: <https://doi.org/10.1080/15257770.2021.1880009>

2. Secondhand smoke as a risk factor for attention deficit hyperactivity disorder in children. Abdel Hamed NA, Hammad EEM, **Salama RH**, Yassa HA, Awaga MM. *Inhal Toxicol.* 2019 Sep-Oct;31(11-12):420-427. doi: 10.1080/08958378.2019.1705440. Epub 2019 Dec 24. PMID: 31874576 .
3. Filaggrin, major basic protein and leukotriene B4: Biomarkers for adult patients of bronchial asthma, atopic dermatitis and allergic rhinitis. A G, Rasheed Z, Salama RH, Salem T, Ahmed AA, Zedan K, El-Moniem AA, Elkholy M, A A, Alzolibani AA. *Intractable Rare Dis Res.* 2018;7(4):264-270. doi: 10.5582/irdr.2018.01111.
4. Therapeutic role of transcranial direct current stimulation in Alzheimer’s disease patients: double blind placebo controlled clinical tria. Neurorehabilitation and Neural Repair. Khedr EM, **Salama RH**, Abdel Hameed M, Abo Elfetoh N, Seif P. *Neurorehabil Neural Repair.* 2019 May;33(5):384-394. doi: 10.1177/1545968319840285. Epub 2019 Apr 3. IF=4.711
5. Interrelations of Apoptotic and Cellular Senescence Genes Methylation in Inflammatory Bowel Disease Subtypes and Colorectal Carcinoma in Egyptians Patients. *Applied Biochemistry and Biotechnology.* 2019 :189 (1), 330-343 IF=1.797
6. Lead as a Risk Factor for Attention Deficit Hyperactivity Disorder (ADHD) in Children. Nahed A Abdel Hamed, Emad El-Din M Hammad, Ragaa H Salama, Heba A Yassa, Marwa M Awaga. Zagazig J. Forensic Med.& Toxicology. Vol.(18) No. (1) Jan 2020
7. Evaluation of the immune memory response to routine HBV vaccine in Egyptian patients with Type 1 diabetes. Helal F Hetta, Nahla M Elsherbiny, Esraa M Elloseily, Samaher F Taha, Eman Fathalla Gad, Mona M Soliman, Ghada A Mohamed, **Ragaa H Salama**, Azza Abo Elfadl. *Future Virology.* 2020/3- 15-4-Pages-215-222
8. Experimental and therapeutic trials of amygdalin. R Salama, A Ramadan, T Alsanory, M Herdan, O Fathallah, A Alsanory. *Int J Biochem Pharmacol.* 2019- 1 1-Pages-21-26
9. Markers of atopic dermatitis, allergic rhinitis and bronchial asthma in pediatric patients: correlation with filaggrin, eosinophil major basic protein and immunoglobulin E. Rasheed Z, Zedan K, Saif GB, **Salama RH**, Salem T, Ahmed AA, El-Moniem AA, Elkholy M, Al Robaee AA, Alzolibani AA. *Clin Mol Allergy.* 2018 Nov 12;16:23. doi: 10.1186/s12948-018-0102-y. e Collection 2018.
10. The Role of Histone H3K27 Di-Methylation in Early Stage Urinary Bladder Carcinoma: Relevance to Risk Factor. **Ragaa H. Salama**, Marwa A. Gaber, Khalid M. Rezk, Samia F. Hamed, *Journal Of Current Medical Research and .Practice* , 2018: 3 (2), 93
11. Studying the frequency of aberrant DNA methylation of APC, P14, and E-cadherin genes in HCV-related hepatocarcinogenesis. Mekky MA, **Salama RH**, Abdel-Aal MF, Ghaliony MA, Zaky S. *Cancer Biomark.* 2018;22(3):503-509. doi: 10.3233/CBM-171156
12. Serum levels of psoriasin (S100A7) and koebnerisin (S100A15) as potential markers of atherosclerosis in patients with psoriasis. Awad SM, Attallah DA, **Salama RH**, Mahran AM, Abu

- El-Hamed E. *Molecular Clin Exp Dermatol.* 2018 Apr;43(3):262-267. doi: 10.1111/ced.13370. 2018
13. Serum levels of IL-12 and IL-23 in psoriatic patients with or without concomitant hepatitis C: a comparative study. Dalia A. Attallah, Sara M. Awad, **Ragaa H.M. Salama**, Ayman M. Mahran and Asmaa O. Ahmed. *Journal of the Egyptian Women's Dermatologic Society* 2016, 13:71–76
  14. Total antioxidant capacity as a marker in predicting severity of chronic obstructive pulmonary diseases (COPD). *Egyptian Journal of Bronchology.* 2017
  15. Biochemical markers could predict type-1 diabetes mellitus .Ragaa H. M. Salama, Yasser F. Abd-Elraheem, Khaled H. Mahmoud, Jalal A. Bilal, Almutlaq M. Abdullah, Aya A. A. Alsanory, Tasneem A. A. Alsanory. *Molecular and Biochemical Diagnosis (MBD).* 2016, 2, 1: 143-155
  16. Psoriasis : A Novel Marker Linked Obesity With Psoriasis. **Ragaa H.M Salama**, Hani A Al-Shobaili, Ahmad A. Al Robaee, Abdullateef A. Alzolibani. *Disease Markers*, 2013. 1;34(1):33-9. doi: 10.3233/DMA-2012-120945.
  17. Adiponectin And Adiponectin Receptor-1 In Patients With Polycystic Ovarian Syndrome: Impact Of Insulin Sensitization By Metformin. Manal M. Kamal, Hossam O. Hamed, **Ragaa H. Salama**. *Ibnosina J Med BS* 2013,5(2):52-61. <http://www.ijmbs.org>.
  18. Clinical and Biochemical Effects of Environmental Tobacco Smoking On Pregnancy Outcome. **Ragaa H. M. Salama**, Diaan M. Abdel, Aal Dalal Kh. Eshra, Sahar Nagieb , Amal F. Arief. *Ind J Clin Biochem.* 2013. DOI 10.1007/s12291-012-0267-y.
  19. Urinary Tumor Markers Could Predict Survival in Bladder Carcinoma. **Ragaa H.M Salama**, Tahia H. Selem, Mohammed El-Gammal, Abd-elmoneim A Elhagagy, Sally M Bakar. *Ind J Clin Biochem.* 2013. DOI 10.1007/s12291-012-0266-z
  20. Bone morphogenetic protein-2 will be a novel biochemical marker in urinary tract infections and stone formation. **Salama RH**, Alghasham A, Mostafa. MS, El-Moniem AE. *Clinical Biochemistry* 45 (2012) 766–769
  21. Effect of Lipoic Acid, Carnitine and Nigella Sativa on Diabetic Rat Model. **Salama RH**. *IJHS*, 2011( 5; 2) 126-34,
  22. N-Terminal PRO-BNP in Acute Coronary Syndrome Patients with ST Elevation Versus Non ST Elevation in Qassim Region of Saudi Arabia. **Salama RH**, Alaa A. El-Monem, Noor –El-HeFne. *IJHS.* 2011 (5; 2):136-145.
  23. Venlafaxine protects against stress-induced oxidative DNA damage in hippocampus during antidepressant testing in mice. Abdel-Wahab BA, **Ragaa H. M. Salama**. *Pharmacol Biochem Behav.* 2011 Jul 29.
  24. Urinary tumor marker in bladder carcinoma in Upper Egypt, correlations with different clinicopathological features. **Salama RH**, Selem TH, Elhagagy AE, El-Gammal M, Bakar SM. *Saudi J Kidney Dis Transpl.* 2012 Sep;23(5):1068-73. doi: 10.4103/1319-2442.100957
  25. Matricaria chamomilla attenuates cisplatin nephrotoxicity. **Salama RH**. *Saudi J Kidney Dis Transpl.* 2012 Jul;23(4):765-72. doi: 10.4103/1319-2442.98158



26. Implication of umbilical cord in preeclampsia..**Salama RH**, Fathalla MM, Mekki AR, Elsadek Bel-K. *Med Princ Pract.* 2011;20(2):124-8. Epub 2011 Jan 20
27. Functional analysis of a novel I71N mutation in the GJB2 gene among Southern Egyptians causing autosomal recessive hearing loss. Mohamed MR, Alesutan I, Föllner M, Sopjani M, Bress A, Baur M, **Salama RH**, Bakr MS, Mohamed MA, Blin N, Lang F, Pfister M. *Cell Physiol Biochem.* 2010;26(6):959-66. Epub 2011 Jan 4
28. Nephroprotective Effect Of Ethanol Extract of Nigella sativa And Matricaria chamomilla In Cisplatin induced Renal Injury\_. **Salama RH** , Nahed A.Abd-El-Hameed, Sary K H. Abd-El-Ghaffar, Nagwa M.A.Ghandour, Zaghloul T. Mohammed , *IJCM*, 2011; 2: 185-195
29. Clinical and therapeutic trials of Nigella sativa, **Salama RH**, *TAF Preventive Medicine Bulletin*, 2010;9(5); 513-522. [www.korhek.org](http://www.korhek.org)
30. Urinary NMP 22 In bladder carcinoma: correlation with different clinicopathological features. Abdelmoneim A Elhagagy, Tahia H Seleem, **Ragaa H Salama** and Sally M Bakar. *AAMJ.* 2009;(7,3):1-14
31. Medicolegal Aspects Of Systemic Response To Head Injury: Biochemical Markers . Afaf M. A. Farghaly, Roshdy A.E. El-Khayat, Wafaa M.Abdel-Moneim. **Salama R H** and Safaa M. George. *Al-Mansoura J. of fronsic medicine and clinical toxicology*, 2009; (7, No1): 1-22 .
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49. Two Clusters Of Serum Midkine Levels In Drug-Naïve Patients With Schizophrenia. Shimzu E, HashimtoK , **Salam RH**, Watanabe H, Komatsu N, Okamura N, Koike K, Shinoda N, Nakazato M, Kumakiri C, Okada S, Muramatsu H, Muramatsu T, Iyo M. *Neurosci. Lett.* (2003) 26;344(2):95-8.
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53. The Pattern Of Bacterial Isolates And Its Sensitivity To Antibiotics In Chronic Obstructive Airway Disease With Exacerbation Of Infection In Upper Egypt. **SalamaRH**, Osman AH and Ahmed SH. *The Egypt.J. Chest Dis. Tub*.1991;36:65-72.

#### **Papers on progress :**

54. A Novel Tyrosine-Rich Heat Shock Protein (HSP-60Y) ; Molecular Cloning And Characterization. Muramatsu H, **Salama RH**, Zou K, kematsu S Fan Q, Sakuma S, Muramatsu T. (on progress).
55. "Biochemical and pathological markers of Systemic Response to Isolated Head Injury , **Salama RH**, Wafaa M.A. Awad, Afaf M.A. Farghaly and Roshdy A.E. El-Khayat. ( on progress).
56. Neurotransmitter GABA and serotonin in children with convulsions. , Salama RH, Safiea AbdelFattah El-deeb, Zeinab Mahmoud El-Kadi, Asmaa Sayed Galal. ( on progress).
57. Evaluation of the Predictive Validity of On-Going Assessment In Relation To Student Performance at the End of Block Exam. Pilot study.(submitted)

#### **On going research:**

- Filaggrin gene mutations
- Titen gene mutations

#### **Conferences and Presentations**

1. **The 73<sup>rd</sup> Conference of Biochemistry, Yokohama, Japan!0-13 October 2000. Presentation with title of " Midkine binds to37 kDa laminin receptor.**
2. The Seventh Conference of Diabetes and Endocrinology. Assiut University 20-21 February 2003.
3. The 21<sup>st</sup> Annual Scientific Conference, Assiut university, Faculty of 25-27 March,2003. Presentation with title of " Nuclear Transport of Midkine "Laminine complex".
4. The Fourth Annual Scientific Meeting of Neurology & Psychiatry Department. Assiut University April 29, 2003.

5. Second Upper Egypt Conference of Respiratory Medicine, Assiut University, 14-15 December 2003.
6. The first Annual Conference of Clinical Pathology Department, Assiut University, 24-25 February 2004.
7. The 22<sup>nd</sup> Annual Scientific Conference, Assiut university, Faculty of Medicine 29 March–1 April, 2004
8. Cell Culture Techniques and Their Application In Molecular Biology. 15- 17 March -2004.
9. The 23<sup>rd</sup> Annual Scientific Conference, Assiut university, Faculty of Medicine, 7–10 March, 2005
10. The 8<sup>th</sup> Annual Scientific Conference of Gastroenterology & Liver Disease. Assiut university, Faculty of Medicine, 22-23 March, 2005
11. The 11<sup>th</sup> Annual Conference of the Department of Neurology and Psychiatry- Assiut University .March 31<sup>st</sup> –April 1<sup>st</sup> 2005.
12. The Annual Scientific Conference of The Egyptian Society of Biochemistry And Molecular Biology . 28-29 April, 2005
13. The Egyptian scientific Society of bronchology in Assiut University 6-8 September 2005.
14. The first Annual Conference of Medical Biochemistry Department, Assiut University, 21-23 December 2005
15. The 24<sup>th</sup> Annual Scientific Conference, Assiut university, Faculty of Medicine, 7–10 March, 2005
16. The third Annual Conference of Clinical Pathology Department, Assiut University, February, 4-2006
17. The Annual Scientific Conference of The Egyptian Society of Biochemistry And Molecular Biology .April 19-21, 2006
18. The 25<sup>th</sup> Annual Scientific Conference, Assiut university, ( Silver Jubilee) Faculty of Medicine, 11–14 March, 2007
19. The first Conference of Medical Biochemistry Department, Assiut University, Egypt. December, 21-23 2005 participated by Poster" Therapeutic effects of Cu (I)-nicotinic acid complex on the rat-model with fatty liver"
20. The Annual Scientific Conference of The Egyptian Society of Biochemistry And Molecular Biology . 19-20 April, 2007.
21. The 10<sup>th</sup> Annual Scientific Conference of Gastroenterology & Liver Disease. Assiut university, Faculty of Medicine 22-23 March, 2007.
22. The 4<sup>th</sup> International conference on biomarkers in chronic diseases , in Riyadh from 4-6 May 2010 by poster. N-Terminal Pro-BNP In Acute Coronary Syndrome Patients With ST Elevation Versus Non ST Elevation".
23. The 3<sup>rd</sup> Annual Research Day in Qassim University, College of Medicine. 27 June 2010 by presentation of "N-Terminal Pro-BNP In Acute Coronary Syndrome Patients With ST Elevation Versus Non ST Elevation".
24. Advanced Diabetes Course. "ADC" An Evidence Based Symposium on the latest advancements in Diabetes Management 2011 in Bakyrria , Wednesday, 30-3-2011
25. Badir program for technology incubator by KACST( King Abdelaziz City for Science & Technology) workshop on Monday, 18-4-2011, 14-5-1432
26. 1<sup>st</sup> international tissue engineering & biomaterials symposium. May 10, 2011. 6Cr
27. The 5<sup>th</sup> Annual Research Day in Qassim University, college of Medicine. 1<sup>st</sup> June 2011 by presentation of: Nephroprotective Effect of *Nigella Sativa*, *Matricaria Chamomilla*, And Vitamin E On Cisplatin Induced Renal Injury.

28. The 6th Annual Research Day in Qassim University, College of Medicine. 16th -17th April 2012 by presentation of: "The Role Of Tamm-Horsfall Protein, osteopontin And bone morphogenic protein-2 In Urinary Tract Infections And Stone formation.
29. Basic techniques in animal cell culture, attendance and participate in the period 24-26 March 2015 at Zoology Department, Faculty of Science, Assiut University.
30. Training on FACSCalibur<sup>tm</sup>/ CellQuest<sup>tm</sup> PRO in 29/2/2016-3/3/2016 at BD Biosciences, Heidelberg, Germany
31. The 7<sup>th</sup> scientific meeting , speaker. Assiut University Hospital –June 2016
32. Head of scientific committee in update in metabolic ,molecular& cytogenetic disorders. 29-330 ?3/2017. Assiut university.
33. Molecular biochemistry in declaration and clarification of mysteries of health and disease. Biochem. Cairo conference in 3<sup>rd</sup> March 2018.
34. Bioinformatics and DNA sequencing workshop from 29/2-2/3/2018 at Molecular biology unit- El-Kasr Elainy, Medical Biochemistry Department.
35. Head of scientific committee in the 1<sup>st</sup> international conference of metabolic and genetic disorders unit . Where are we?. In Assiut , 27-8 February 2019.

### **Training programs for staff members in Assiut University, Egypt:**

#### **Faculty and Leadership Development Project (FLDP) at Assiut University :**

1. Developing skills in Youth
2. Innovate method of teaching
3. Basis of University Law
4. Quality assurance and accreditation
5. Evaluation of teaching
6. Learning for whole life
7. teaching using technology
8. Management of scientific research
9. Research team management

#### **Training programs for staff members in Qassim University, Deanship of Academic Development skills, Development Unit K.S.A:**

10. E-learning workshop web based courses and computer based testing on 15<sup>th</sup> April 2008 in Qassim University
11. E- learning and its applications at training room of Scientific Departments-Buriyadah- Qassim University 13/1/1430- 10/1/2009
12. Quality assurance and accreditation at training room of Female Sections in Qassim University 23/1/1430-20/1/2009
13. Medical education workshop on” tutor training workshop in problem based learning ( PBL) “ in 11/1 / 2009 – 1/2/1430 King Fahed specialist Hospital, Qassim University .
14. Training workshop on formulation of credible One-Best-Answer MCQ appropriate for PBL on Thursday 17/1/1430- 12/2/2009 in Qassim University Obs/Gyna Hospital.
15. Working toward program accreditation. 13/6/1430-15/6/1430. Institute for research consulting services
16. Cardiopulmonary resuscitation” Ref #: 702/20 approved on 17/3/1422. Date of issue 2<sup>nd</sup> April 2009., Thursday 6/4/1430.
17. Introduction to E- learning. In the period of January 10, 2009.5Cr
18. Introduction to academic accreditation & assessment. In the period from 20 January, 2009, 5Cr

19. Using models in Designing Interactive E-learning courses. In the period of 8-June 2009. 2 Cr
20. Assessment of performance Tasks by using Rubrics 14-16/10/2009. cr16
21. "Computer Applications in Classroom" at training room of Female Sections in Qassim University. 10/5/1431- 24/4/2010
22. Developing Research Format Electronically. In the period from 4-6 January, 2010, 15 cr
23. Developing Leaders Managerial skills. In the period from 7-8 December, 2010, 10Cr
24. Computer Applications in Classroom. In the period of 24 April 2010. 5Cr
25. Strategic planning in higher education institute. In the period of 14-15 December, 2010.10Cr
26. SPSS application in academic research . In the period of 12-13 December, 2010.10Cr
27. Prevention and control of chronic diseases, in collaboration with Stanford Prevention Research Center) Stanford school of Medicine, USA. 16-20 October, 2010
28. Quality system and program evaluation , In the period of 4-5 December 2011. 10Cr
29. Evaluation skills university student. In the period from 10-11December 2011. 10Cr
30. SPSS application in academic research 9-10 April- 2012, 10Cr
31. Evaluation skills university student.22-23 April- 201210,Cr.
32. Quality system and program evaluation , In the period12-22 April, 10Cr

**Research projects funded from local granters ( small grants) in KSA:**

**Principle investigator:**

- 1.N-Terminal Pro-BNP In Acute Coronary Syndrome Patients With ST Elevation Versus Non ST Elevation"*Scientific Reseach Deanship, Qasim University, KSA. 2008- 2009 ( finished ).*
- 2.The effects of oral carnitine and dihydrolipoic acid on induction and consequence of experimental diabetes mellitus in rats.*Scientific Reseach Deanship, Qaasim University, KSA. 2009 -2010 ( finished).*
- 3.The Role Of Tamm-Horsfall Protein And Osteopontin In Urinary Tract Infections And Stones *Scientific Reseach Deanship, Qasim University, KSA. 2010-2011 (finished).*
- 4.The role of Psoriasin, koebnerisin, interleukin 12 and interleukin 23 in psoriasis of Qassim region of Saudi Arabia " *Scientic Reseach Deanship, Qassim University, KSA. 2010 -2011. No: 623*

**Co-author:**

5. The Role of Biochemical markers in diagnosis and prediction of type 1 diabetes in Saudi children (finished)
6. Effect of Metformin Treatment on Plasma Adiponectin Level in Patients with Polycystic Ovarian Syndrome (finished)
7. **Major Research projects funded from National Plan for Science, Technology and Innovation of KSA (NSTIP # 11-BIO1459-09). 2 Million Riyals. Finished**  
**STDF project for Medical research center (3 Egyptian millions)-faculty of Medicine – Assiut university -as co-director until finished**

**Research projects funded from local granters ( small grants) in Egypt:**

**Principle investigator:**

1. Epigenetic markers could predicate cancer ( finished)

**Books**

- Co-author in "Review of Biochemistry" for Medical students of 1<sup>st</sup> and 2<sup>nd</sup> year, Assiut University, Egypt. Published by Assiut University from 2003
- Booklet of Medical Research Center –Faculty of Medicine- Assit University

**Community Serving :**

- A series of lectures to simplify the contemporary sciences & raise the awareness for today medicine problems in Genetic engineering, Molecular Biology, Epigenetic , gene therapy, gene editing – CEISPR-CAS-9 at Medical Research Center .

- Trainer in series of workshop as in molecular biology , cell culture, flow cytometry for post graduate students at Medical Research center and admin the page on facebook for Medical Research Center

### **References:**

1. Prof. Wafaa A. Hammad, Prof. of Biochemistry, Department of Biochemistry, Assiut University, Faculty of Medicine, Assiut , Egypt. Fax: 002088332278.
2. Prof. Hosny Aly Hasan, Prof. of Biochemistry, Department of Biochemistry, Assiut University, Faculty of Medicine, Assiut , Egypt. Fax: 002088332278.
3. Prof. Muramatsu Takashi, Chairman of Biological, Nagoya University, School of medicine. (retired). Tel: +81 561-73 1111; Fax : +81561-731142. e-mail : [tmurama@med.nagoya-u.ac.jp](mailto:tmurama@med.nagoya-u.ac.jp)
4. Prof. Muramatsu Hisako, Biological Chemistry and macromolecules Department, Nagoya University, School of medicine. [hmuramtsu@med.nagoya-u.ac.jp](mailto:hmuramtsu@med.nagoya-u.ac.jp)
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9. Prof. Maha M. Elkholy, vice dean for community affairs , faculty of medicine , Assiut university . [maha\\_elkholy@yahoo.com](mailto:maha_elkholy@yahoo.com)