

**Souzan Eassa, Ph.D. Lecture in University of Duhok-
College of Medicine
Department of Anatomy, Biology and Histology**

Name: Souzan Hussain Eassa
DOB: May, 5th 1974
Place of Birth: Nineveh/ Iraq
Sex: Female
Marital status: Married
Languages: Kurdish, English and Arabic (very good)
Current address: B41 Avro city, Apt# 12, Duhok, 42001, Iraq
Phone: (+964) 750-418-2969
E-mail: souzan.easssa@uod.ac
sheassa@ualr.edu



Educational and research interest

I obtained my Bachelor's degree in Veterinary Medicine and Surgery 1996- Mosul University, Master degree in Medical Parasitology 2003- Duhok University and non-thesis Master degree in applied sciences and PhD degree in Parasitology/ at University of Arkansas at Little Rock (UALR) -2013. My aim is to become an expert in the field of pathogenic parasites that which consider a risk to animal and human's health.

I plan to pursue research while teaching graduate students. Globalization, the exceptional sign of our century, created interwoven links between scientists and researchers across college, university, country, and the globe and drove them into competitive interactions.

My multicultural and multilingual background has raised my interest of teaching in different countries. Research and knowledge without fair and ethical practices would be of no use. I believe that those who have the benefit of a world-class education have a duty to fight for the common good.

Education

- 2013 Ph.D. in Parasitology** from University of Arkansas at Little Rock, Little Rock Arkansas- USA- with GPA= 4/4.
- 2012 Master degree in Applied Science**, from University of Arkansas at Little Rock, Little Rock Arkansas- USA.
- 2003 Master degree in Medical Parasitology**, University of Duhok, Duhok- Iraq.
- 1996 Bachelor's degree in Veterinary Medicine and Surgery** College of Veterinary Medicine, University of Mosul/ Nineveh- Iraq.

Position and Employment

- **June,1st 2016 – till now** Director of the Graduate Studies and Scientific affairs
Head of the Anatomy, Biology and Histology Department
- **September 1st, 2015 to May,8th 2016** Acting Dean of the College of Medicine
- **January 1st, 2015 to August 31st, 2015** Vice Dean of the Faculty of Medical Sciences and
Head of the Medical Laboratories Sciences Department/ School of the Health Sciences/
Faculty of Medical Sciences.
- **September 21st, 2013 – January, 2015** Head of the Medical Laboratories Sciences
Department/ School of the Health Sciences/ Faculty of Medical Sciences.

- **2014- till now** teaching graduate students.
- **2014-2015** member of examination committee of School of the Health Sciences/ Faculty of Medical Sciences.
- **2013-2014** head of examination committee of School of the Health Sciences/ Faculty of Medical Sciences.
- **2008-20013** study for Ph.D. in USA
- **2006-2008** head of the examination committee of College of Medicine - Duhok Universit
- **2003-2008** teaching medicine school third grad students' medical parasite subjects
- **2003-2008** Assistance lecturer in Microbiology Department-Parasitology.
- **2000-2003** study for Master in Science-Iraq
- **1996-2000** Laboratory Teaching Assistant in Microbiology Department-Parasitology.

Service and activities in UALR- USA:

- **2012** Judge of research presentation TRIO Summer Outreach program for American High School Students at the Biology Department, University of Arkansas at Little Rock - Arkansas.
- **2011** Assistance researcher TRIO Summer Outreach program for American and Japanese High School students at the Biology Department, University of Arkansas at Little Rock, Arkansas.
- **2011** Volunteer and present BioNanoTox International at TRIO Day and TRIO Alumni Reunion in Arkansas Event, 27th February, 2011.
- **2011** Vice president, 6th BioNanoTox and Applications Research Conference Peabody Hotel, Arkansas, November 17-18th, 2011.
- **2010** Volunteer, organization of the 6th BioNanoTox and Applications Research Conference. 4-5th November, 2011
- **2010** Assistance researcher TRIO Summer Outreach program for American High School students at the Biology Department, University of Arkansas at Little Rock, Arkansas.
- **2010** Volunteer and present BioNanoTox International at TRIO Day and TRIO Alumn Reunion in Arkansas Event, 27th February, 2010.
- **2010** Vice president, 5th BioNanoTox and Applications Research Conference Peabody Hotel, Arkansas, 4-5th November, 2010.
- **2010** Volunteer, organization of the 5th BioNanoTox and Applications Research Conference. 15-19th October, 2010
- **2009** Vice president, 4th BioNanoTox and Applications Research Conference Peabody Hotel, Arkansas, 22-23rd October, 2009.

- **2009** Volunteer, organization of the 4th BioNanoTox and Applications Research Conference. October 21st -22nd .
- **2009** Vice President, BioNanoTox International Society, University of Arkansas at Little Rock.
- **2009** Judge of research presentation TRIO Summer Outreach program for American High School students at the Biology Department, University of Arkansas at Little Rock, Arkansas.
- **2009** **Arkansas EPSCOR Conference/** AAAS advancing science, serving society- Doubletree Hotel Little Rock, Arkansas.

Awards and Honors

- **2013** The Honor Society of Phi Kappa Phi only to UALR's top 10 percent of graduate students.
- **2013** Harambee Award for Outstanding graduate Students, Spring 2013
- **2012** Harambee Award for Outstanding graduate Students, Fall 2012
- **2012** Certificate of Award for Honorable Mention /Health and Life Sciences / Graduate Competition Student Research and Creative Work Expo April, 2012
- **2010** Outstanding First Year Graduate Student Award, presented from University of Arkansas at Little Rock, applied Sciences 2010.
- **2009** BioNanoTox Research Excellence Awards, October, 2009.
- **2008** Certificate of Highest GPA awarded to Souzan Eassa for having the highest GPA in The Pre-University/TOEFL level at the Intensive English Language Program at the University of Arkansas at Little Rock on December 11th 2008.
- **2006** I was awarded a scholarship by Iraq Ministry of Higher Education and Scientific Research for PhD study in USA.

Publications

- 1. Souzan H. Eassa** and Lee S. Soderberg, Stimulatory Effect of Synthetic Carbohydrate-Bearing Molecules on Nitric Oxide Production and Enhancing Macrophages Viability upon Exposure of T. Gondii Int'l Journal of Advances in Chemical Engg., & Biological Sciences (IJACEBS) Vol. 2, Issue 2 (2015) ISSN 2349-1507 EISSN 2349-1515 <http://dx.doi.org/10.15242/IJACEBS.AE1115122> 85.
- 2. Souzan Eassa**, Lee Soderberg, Mohammed Lahiani, Casey Pavan, and Olga Tarasenko. (2012). "Synthetic Carbohydrate-based Polymers Increased Macrophage Resistancy during *Toxoplasma gondii* Infection" Polymeric Materials: Science & Engineering, 106, 267-268.
- 3. Mohamed H. Lahiani, Souzan Eassa**, Casey Pavan, Lee Soderberg and Olga Tarasenko. (2012) "Macrophage viability protection using glycoconjugates during intraperitoneal infection by *Bacillus anthracis*". Polymeric Materials: Science & Engineering, 106, 189-190.
- 4. Souzan Eassa**, Mohammed Lahiani, Lee Soderberg, and Olga Tarasenko. (2012). "*Toxoplasma gondii* Tachyzoites: From Binding to Killing" Biology, Nanotechnology, Toxicology and Applications. American Institute of Physics. (2012), Print book, Print book, (2012); doi: 10.1069/1.3587472: ISBN 438-0-8617-0276-31.
- 5. Souzan Eassa** and O. Tarasenko. (2011). A Method for the Detection of *Toxoplasma gondii*

- Tachyzoites. Biology, Nanotechnology, Toxicology and Applications. American Institute of Physics. (2011), 1326. Print book, 157-164 (**2011**); doi: 10.1063/1.3587472; ISBN 978-0-7354-0910-1.
6. M. Lahiani, **S. Eassa**, S. Bonney, L. Soderberg, and Olga Tarasenko. (2011).” Glycoconjugates protect murine macrophages against toxigenic *Bacillus anthracis*”. Biology, Nanotechnology, Toxicology and Applications. American Institute of Physics. (2011), 1326. Print book, 142-149 (**2011**); doi: 10.1063/1.3587472; ISBN 978-0-7354-0910-1.
 7. **Souzan Eassa** and O. Tarasenko. (2010). Glycoconjugates Influence Caspases Release and Minimize Production of Lactate Dehydrogenase upon Pathogen Exposure. Biology, Nanotechnology, Toxicology and Applications. American Institute of Physics. (**2010**), 1229. Print book, 190 pages: ISBN 978-0-7354-0773-2; CD-ROM book: ISBN 978-0-7354-0775-6.
 8. Rasol A., **S. Eassa**, and O. Tarasenko. (2010) Binding Affinity of Glycoconjugates to Bacillus Spores and Toxins. Biology, Nanotechnology, Toxicology and Applications. American Institute of Physics. (**2010**), 1229. Print book, 190 pages: ISBN 978-0-7354-0773-2; CD-ROM book: ISBN 978-0-7354-0775-6.
 9. **Souzan Eassa** and Tarasenko O. (**2010**). Stimulatory Effect of Polymeric Glycoconjugates on Plants. Polymeric Materials: Science & Engineering 2010, 102, 132-133.
 10. Rasol A., Eassa S., and Tarasenko O. (2010). Binding Affinity of Glycoconjugates to *Bacillus anthracis* Spores and Their Respective Toxins. Polymeric Materials: Science & Engineering (2010), 102, 130-131.
 11. Al-Saeed AT, **Eassa S. H.** (**2010**), Detection of *Giardia lamblia* antigen in stool specimens using enzyme-linked immunosorbent assay. East Mediterr Health J. 2010 Apr;16 (4):362-4.
 12. Al-Saeed AT, **Eassa S.H.** (**2006**), Frequency of *Giardia lamblia* among children in Dohuk, northern Iraq. East Mediterr Health J. 2006 Sep;12 (5):555-61.

Conference Oral Presentation as First Author

1. **Souzan H. Eassa** and Lee S. Soderberg, Stimulatory Effect of Synthetic Carbohydrate-Bearing Molecules on Nitric Oxide Production and Enhancing Macrophages Viability upon Exposure of *T. Gondii* International Conference on Nanotechnology, Biology & Medical Sciences (Nbms-15)/ Istanbul –Turkey November 30th - December 1st, **2015**.
2. **Souzan Eassa** and Thomas Lynch. “Different Polymeric Carbohydrates have variant ability to recognize and bind *Toxoplasma gondii* tachyzoites surface”, University of Duhok faculty of Veterinary Medicine 1st international Veterinary Conference in Kurdistan, Duhok, Kurdistan Region Iraq May 14th -15th, 2014.
3. **Souzan Eassa**, Mohammed Lahiani, Lee Soderberg, and Olga Tarasenko, Synthetic Carbohydrate-based Polymers Increased Macrophage resistancy during *Toxoplasma gondii* Infection. 243rd ACS National Meeting & Exposition in San Diego, CA March 25th -29th, **2012**.
4. **Souzan Eassa**, Mohammed Lahiani, Lee Soderberg, and Olga Tarasenko “Toxoplasma Gondii Tachyzoites: From Binding to Killing”. 6th BioNanoTox and Applications Research Conference. Little Rock, Arkansas November 17-18th, **2011**.
5. **Souzan Eassa** and Olga Tarasenko “Method for the recognition of *Toxoplasma gondii* tachyzoites”. First Iraqi Student Conference. Little Rock, Arkansas April 23rd and 24th April **2011**.

6. **Souzan H. Eassa**, Chhanda Bose, Pierre Alusta and Olga M. Tarasenko. " A Method for the Detection of *Toxoplasma gondii* Tachyzoites". 5th BioNanoTox and Applications Research Conference. Little Rock, Arkansas November 4-5th, **2010**.
7. **Souzan H. Eassa**, and Olga M. Tarasenko. " Stimulatory Effect of Polymeric Glycoconjugates on Plants". ACS National Meeting, San Francisco, CA March 21st -25th **2010**.

Trainings, workshops and conference

1. **A chairman of the** 1st Scientific Conference On Gynecology And Obstetrics Starts **27th and 28th April 2016/** College of Medicine UoD- Duhok.
2. College of Agriculture 2nd Conference **26 and 27 April 2016/ College of Agriculture UoD- Duhok**.
3. Workshop about the Molecular tools by Research Center **23 and 24 April 2016/ College of Medicine UoD- Duhok**.
4. Workshop How to write a scientific Article by Research Center **17, April 2016/ College of Medicine UoD- Duhok**.
5. WHO Iraq in collaboration with and support from EMRO is organizing a workshop on ACCREDITATION OF MEDICAL EDUCATION in IRAQ during the period **31 march to the 1st of April, 2016** organized in Kempenski Hotel Amman, **Jordan**.
6. A Workshop "Immunology & Rheumatology" **24 February 2016/ College Of Medicine Uod- Duhok**.
7. Session Chair for International Conference on Nanotechnology, Biology & Medical Sciences (Nbms-15)/ November 30th - December 1st, **2015 in Istanbul –Turkey**.
8. Academic education and discipline in Kurdistan Universities workshop holdind by Faculty of Medical Sciences- School of Health Sciences- **at University Of Duhok, May 21st, 2015**.
9. ASM Small World Initiative for Iraqi Educators workshop/ 7th -11th June **2015** at the Princess Haya Biotechnology Center, Jordan University of Science and Technology in **Irbid-Jordan**.
10. Bioresik Workshop by "Sandia National Laboratories/ Albuquerque, NM-USA" from 24 to 27, May **2015**, in **Mahe-Seychelles**.
11. 11th World conference of the international Iraqi Medical Association/ 17th-19th April, **2014** in **Dubai**.
12. First Scientific Conference of College of Medicine, University of Duhok, **Duhok, Iraq- 2002**.

Poster and Abstract presentation in conferences and meetings as first Author

1. **Souzan Eassa** and Thomas Lynch. "Synthetic Polymeric Carbohydrates Protect and Activate Macrophages to promote killing of *Toxoplasma gondii* tachyzoites During Phagocytosis". UALR Student Research Expo. University of Arkansas at Little rock, Little Rock, Arkansas April 15th, 2013.
2. **Souzan Eassa** and Olga Tarasenko. "Recognition and Binding of *Toxoplasma gondii*". Research and Regulatory Aspects of Food Safety at the FDA's Jefferson Laboratories (NCTR), April 11 2012.

3. **Souzan Eassa** and Olga Tarasenko. "Synthetic Glycoconjugates Limited Cell Lysis upon *Toxoplasma gondii* tachyzoites invasion". UALR Student Research Expo. University of Arkansas at Little rock, Little Rock, Arkansas April 15th, 2012.
4. **Souzan Eassa**, Mohammed Lahiani, Lee Soderberg, and Olga Tarasenko, Synthetic Carbohydrate-based polymers increased macrophage resistancy during *Toxoplasma gondii* Infection. 243rd ACS National Meeting & Exposition in San Diego, CA March 25th -29th, 2012.
5. **Souzan Eassa**, Mohammed Lahiani, Lee Soderberg, and Olga Tarasenko "Toxoplasma Gondii Tachyzoites: From Binding to Killing ". 6th BioNanoTox and Applications Research Conference. Little Rock, Arkansas November 17-18th, 2011.
6. **Souzan Eassa** and Olga Tarasenko. "Polymeric sugars and their application in early detection of *Toxoplasma gondii* tachyzoites". UALR Student Research Expo. University of Arkansas at Little rock, Little Rock, Arkansas April 11th, 2011.
7. **Souzan Eassa** and Olga Tarasenko "Method for the recognition of *Toxoplasma gondii* tachyzoites". First Iraqi Student Conference. Little Rock, Arkansas April 23rd and 24th April 2011.
8. **Souzan H. Eassa**, Chhanda Bose, Pierre Alusta and Olga M. Tarasenko. " A Method For The Detection Of *Toxoplasma gondii* Tachyzoites". 5th BioNanoTox and Applications Research Conference. Little Rock, Arkansas November 4-5th, 2010.
9. **Souzan H. Eassa**, and Olga M. Tarasenko. " Stimulatory Effect of Polymeric Glycoconjugates on Plants". ACS National Meeting, San Francisco, CA March 21st -25th 2010.
10. **Eassa S.**, Rasol A., Scott A., Lahiani M., and Tarasenko O."Involvement of Glycoconjugates in Reduction of Cytotoxicity and Caspases Release by Macrophages". In: Chemical and Biological Defense Science and Technology Conference, Dallas, Texas, 16-20 November, 2009.
11. **Eassa S.**, and Tarasenko O. "Glycoconjugates Influence Caspases Release and Minimize Production of Lactate Dehydrogenase Upon Pathogen Exposure". 4th BioNanoTox and Applications Research Conference. Little Rock, Arkansas October 21-22nd, 2009.
12. **Eassa S.**, A. Scott, A. Rasol, M. Lahiani. "Glycoconjugates Prevent Macrophage Cell Death during Exposure of *Bacillus anthracis* By Reducing Caspases Release". *Bacillus-ACT 2009: The International Bacillus anthracis, B. cereus, and B. thuringiensis Conference*, Santa FE, New Mexico, August 30-September 3, 2009.

In Addition I have more than 10 conference oral and postural presentation as a coauthor in different international conference and meeting during the time 2009 -2012

Member of Societies and reviewer

- Iraqi Veterinarians Syndicate.
- Kurdistan Veterinarians Syndicate.
- Reviewer Committee in **2016** Mauritius International Conference on Biological, Chemical and Agricultural Sciences (Bcas-16).
- **2009 - 2016** Member, American Society of Parasitology, ASP membership # 00284250.

- **2009- 2016** Member, American Society of Microbiology, ASM membership # 56525199.
- **2009- 2016** Member, American Chemical Society, ACS membership # 30076632.
- **2009, 2010, and 2011** Member, BioNanoTox International Society.

Any other awards:

1. Acknowledgment from Dean of College of Sciences- UoD **2007**.
2. Acknowledgment from Iraqi Cultural Office- Washington D.C.- USA **2010 and 2011**.
3. Acknowledgment from Dean of Faculty of Medical Sciences- UoD **2013 and 2014**.
4. Acknowledgment from Dean of College of Health Sciences- UoD **2015**.
5. Acknowledgment from Presented of Uod **2015 and 2016**.