

# CURRICULUM VITAE

جامعة الأزهر  
Al-Azhar University-Gaza



**Prof. Dr. Mahmoud Sirdah**

Last Update:20/12/2022

## PERSONAL DETAILS

<b>Date Of Birth</b>	20/11/1968	<b>Place Of Birth</b>	Gaza, Palestine
<b>Nationality</b>	Palestinian		
<b>Martial Status</b>	Married	<b>Gender</b>	Male
<b>Designation</b>	PhD		
<b>Department</b>	Biology		
<b>Faculty</b>	Science		
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## HURL

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## ACADEMIC QUALIFICATIONS

(YEAR , QUALIFICATION , INSTITUTION , TITLE)

2004	Doctoral Degree, PHD, Cairo university, Egypt (Comparative physiology (blood physiology))
1997	Master Degree, MSC, Univ. of Jordan, Amman– Jordan (Biological Sciences.)
1992	Bachelor Degree, BSC, Birzeit University, West Bank, Palestine (Biology )

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## CAREER HISTORY

(START DATE - END DATE, EMPLOYMENT , ORGANIZATION)

1993 , till now	Al Azhar University , Al Azhar University
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**ADMINISTRATIVE DUTIES**

(START\_DATE - END\_DATE , ROLE , LEVEL)

2014 ,2015 Dean of Scientific Research ,University  
2011 ,2011 Dean Faculty of Science ,University  
2009 ,2011 Vice Dean, Deanship of Post graduate Studies and Scientific Research  
,University  
2007 ,2008 Vice Dean, Faculty of Science ,Faculty  
2005 ,2007 Chairman of Biology Department ,Department

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**PROFESSIONAL AFFILIATION/MEMBERSHIP**

(YEAR , ORGANISATION , ROLE , LEVEL)

2014 Arab Scientific Community Organization ARSCO.org ,Counselor of Hematology and Molecular Genetics,,International  
2014 The Palestinian National Institute of Public health ,Member of the Experts advisory committee,National  
2012 The Palestinian Higher Council for Innovation & Excellence (Presidential Foundation),Member of the Founder Board of Directors,National

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**AREAS OF EXPERTISE**

(AREA)

anemia , thalassemia , G6PD deficiency and Red Blood Cells Enzymopathy , Hemoglobinopathies , Oxidative Stress and Antioxidant Therapy , Diabetes and metabolic syndrome , Iron Deficiency Anaemia , Threatens and Challenges on Public Health ,

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**SELECTED PUBLICATIONS**

- 1 Sirdah M. A Mghari, Abuzaid A.H, Al Haddad R.M. (2018) . Should sex differences be considered when applying mathematical indices and formulas for discriminating beta- thalassemia minor from iron deficiency?, *Practical Laboratory Medicine*,11( ) ,1-9. (SCOUPS Cited Publication )
- 2 Abd El-Aal A, Abd El-Ghffar E, Abu Ghali A, Zughbur M, Sirdah M. (2018) . The effect of vitamin C and/or E supplementations on type 2 diabetic adult males under metformin treatment: A single-blinded randomized controlled clinical trial,*Diabetes & Metabolic Syndrome: Clinical Research & Reviews*,12(4) ,483-489 . (ISI/SCOUPS Cited Publication )
- 3 Ayyash H., Sirdah M. (2018) . Hematological and biochemical evaluation of beta-thalassemia major (BTM) patients in Gaza Strip: A cross-sectional study. , 2018; 12(6): 18-24,*International Journal of Health Sciences*,12(6) ,18-24. (ISI Cited Publication )
- 4 Sirdah MM, Shubair ME, Al-Kahlout MS, Al-Tayeb JM, Prchal JT. (2017) . Possible Association of 3' UTR +357 A>G, IVS11-nt 93 T>C, c.1311 C>T Polymorphism with G6PD Deficiency,*Hematology*,22(6) ,370-374. . (ISI/SCOUPS Cited Publication )
- 5 Reading NS, Sirdah MM, Shubair ME, Nelson BE, Al-Kahlout MS, Al-Tayeb JM, Aboud LN, Shaban MA, Luzzatto L, Prchal JT. (2016) . Clinical Significance of G6PD Variants among Palestinians,*The Journal of Molecular Diagnostics*,18(6) ,952. (ISI Cited Publication )
- 6 Sirdah MM., Alkahlout S., Reading, NS (2016) . National G6PD neonatal screening program in Gaza Strip of Palestine: rationale, challenges and recommendations,*Clinical Genetics*,90(3) ,191-198. (ISI/SCOUPS Cited Publication )
- 7 Reading NS, Sirdah MM, Shubair ME, Nelson BE, Al-Kahlout MS, Al-Tayeb JM, Aboud LN, Shaban MA, Luzzatto L, Prchal JT. (2016) . Favism, the commonest form of severe hemolytic anemia in Palestinian children, varies in severity with three different variants of G6PD deficiency within the same community,*Blood Cells, Molecules, and Diseases*,60( ) ,58-64. (ISI/SCOUPS Cited Publication )
- 8 Hegazi MA., Abd El Haleim SZ., Sirdah MM. Saleh N. Mwafy (2015) . Oxidative stress biomarkers, aldehyde oxidase, xanthine oxidase, and protein carbonyl in Nile tilapia exposed to water pollutants in the river NILE. 2015;11(2):193-199,*Egyptian Journal of Experimental Biology*, 11(2) ,193-199
- 9 Sirdah MM (2015) . Protective and Therapeutic Effectiveness of Taurine in Diabetes Mellitus: a rationale for antioxidant supplementation., *Diabetes & Metabolic Syndrome: Clinical Research & Reviews*.,9(1) ,55-64. (ISI/SCOUPS Cited Publication )
- 10 Hegazi MA., Abd El Haleim SZ., Sirdah MM. Saleh N. Mwafy. (2015) . Oxidative stress in liver and white muscles of Nile tilapia as responses to polluted area in the Nile river ,*Egyptian Journal of Experimental Biology*, 11(1) ,23-36
- 11 Sweify K.M., Hassanane M.S., AlSarraj H.A., Sirdah M.M. (2014) . Association between Methylene tetrahydrofolatereductase gene polymorphisms (MTHFR) and overweight/obesity among Palestinian adults in Gaza. ,*African Journal of Biological Sciences*,10(1) ,129-146
- 12 El-Sweify, K.; Al-Sarraj, H.; Sirdah, M.; Hassanane, M. (2014) . Association between Angiotensin converting enzyme (ACE) polymorphisms and obesity in Palestinian individuals living at Gaza City,*Journal of American Science*,10(4S) ,10-17
- 13 Reading, NS., Sirdah, M.M., Tarazi, I., Prchal, JT. (2014) . Detection of nine beta–thalassemia Mediterranean mutations in Palestinians using three restriction enzyme digest panels: a reliable method for developing countries,*Hemoglobin*,38(1) ,39-43. (ISI/SCOUPS Cited Publication )
- 14 Sirdah, M.M, Yaghi A., Yaghi A.R. (2014) . Iron deficiency anemia among kindergarten children living in the marginalized areas of Gaza strip, Palestine,*Revista Brasileira de Hematologia e Hemoterapia*,36(2) ,132-138. (SCOUPS Cited Publication )
- 15 Sirdah, M.M. (2014) . Consanguinity profile in the Gaza Strip of Palestine: large-scale community-based study,*European Journal of Medical Genetics*,57(2-3) ,90-94. (ISI/SCOUPS Cited Publication )

- 16 Sirdah, M.M, Yassin M.M. El Shekhi S., Lubbad A (2014) . Homocysteine and vitamin B12 status in iron deficient anemic female University students in Gaza, Palestine,Revista Brasileira de Hematologia e Hemoterapia,36(3) ,208-212. (SCOUPS Cited Publication )
- 17 Sirdah MM (2014) . Superparamagnetic-bead based method: an effective DNA extraction from dried blood spots for diagnostic PCR,Journal of Clinical and Diagnostic Research,8(4) ,FC01 - FC04. (SCOUPS Cited Publication )
- 18 Sirdah, M.M, Sievertsen, J., Al-Yazji, M. Tarazi, I., Al-Haddad, R., Horstmann, R., Timmann, C (2013) . The spectrum of beta-thalassemia mutations in Gaza Strip, Palestine,Blood Cells, Molecules, and Diseases,50(4) ,247-251. (ISI/SCOUPS Cited Publication )
- 19 Sirdah, M.M, Abu Shahla A.N., Ghalayeni, B. Abu Ramadan, A. (2013) . Etiological risk factors associated with subfertility among Palestinian women in Gaza,The Journal of Biomedical Research,27(2) ,127-134. (SCOUPS Cited Publication )
- 20 Yassin M.M. Sirdah, M.M, Al Haddad R.M., Lubbad A., Al-Yazji M.S. (2013) . Genotype-phenotype characteristics of beta-thalassemia children in the Gaza Strip, Palestine,Journal of Genetic Disorders and Genetic Reports,2(2) ,2
- 21 Sirdah, M.M, Abu Shahla A.N., Al Sarraj H A. (2013) . Effect of the addition of the antioxidant taurine on the complete blood count of whole blood stored at room temperature and at 4C for up to 7 days,Revista Brasileira de Hematologia e Hemoterapia,35(1) ,44-51. (SCOUPS Cited Publication )
- 22 Sirdah MM, Abu Ghali AS, Al Laham NA (2012) . The reliability of the National Cholesterol Education Programs Adult Treatment Panel III (NCEP/NCEP/ATP III) and the International Diabetes Federation (IDF) definitions in diagnosing metabolic syndrome (MetS) among Gaza Strip Palestinians,Diabetes & Metabolic Syndrome: Clinical Research & Reviews,6(1) ,4-8. (ISI/SCOUPS Cited Publication )
- 23 Sirdah MM, Al Laham NA, El Madhoun RA. (2012) . Possible health effects of liquefied petroleum gas (LPG) on the workers at LPG filling and distribution stations of Gaza Governorates,Eastern Mediterranean Health Journal,19(3) ,289-294. (ISI/SCOUPS Cited Publication )
- 24 Sirdah M, Reading NS, Perkins SL, Vankayalapati, H. Shubair M, Aboud L, Roper D, Prchal JT. (2012) . Molecular Heterogeneity of Glucose-6-phosphate Dehydrogenase Deficiency in Gaza Strip Palestinians,Blood Cells, Molecules, and Diseases,49(3-4) ,152-158. (ISI/SCOUPS Cited Publication )
- 25 Sirdah M, Reading NS, Perkins SL, Shubair M, Aboud L, Prchal JT. (2012) . Hemolysis and Mediterranean G6PD mutation (c.563 C>T) and c.1311 C>T polymorphism among Palestinians at Gaza Strip,Blood Cells, Molecules, and Diseases.,48(4) ,203–208. (ISI/SCOUPS Cited Publication )
- 26 Sirdah MM, Al Laham NA, Abu Ghali AS. (2011) . Prevalence of metabolic syndrome and associated socioeconomic and demographic factors among Palestinian adults (20–65 years) at the Gaza Strip, Diabetes & Metabolic Syndrome: Clinical Research & Reviews,5(2) ,93-97. (ISI/SCOUPS Cited Publication )
- 27 Sirdah, M. Abu Rahmma M. (2010) . Health consequences of using liquefied petroleum gas (LPG) as an alternative car fuel in Gaza Governorates,International Journal of Health Research,3(1) ,37-44. (SCOUPS Cited Publication )
- 28 Sirdah, M. (2008) . Determinants of hemoglobin level in adolescence students (14-22 years) at Gaza Strip, Palestine,International Journal of Health Research,1(4) ,225-234. (SCOUPS Cited Publication )
- 29 Al Ajerami, Y., Sirdah, M. (2008) . Effects of x-ray film processing on health status of medical radiographers at Gaza Strip, Palestine. . 2008;10(1):59-76., Journal of Al Azhar University Gaza (Natural Science Series),10(1) ,59-76
- 30 Tarazi, I. Sirdah, M, Jead, H., Al Haddad, R. (2008) . Does cigarette smoking affect the diagnostic reliability of Hb A2,Journal of Clinical Laboratory Analysis,22(2) ,119-122. (ISI/SCOUPS Cited Publication )
- 31 Sirdah, M, Tarazi, I., Jead, H., Al Haddad, R. (2008) . Normal Blood Cells Reference intervals of Healthy Adults at the Gaza Strip- Palestine,Journal of Clinical Laboratory Analysis,22(5) ,353-361. (ISI Cited Publication )

- 32 Sirdah, M., Tarazi, I. Al Najjar, E. Al Haddad R. (2008) . Evaluation of the diagnostic reliability of different mathematical formula and indices in the discrimination of beta- thalassaemia from iron deficiency in Palestinian population, *International Journal of Laboratory Hematology*,30(4) ,324-330. (ISI/SCOUPS Cited Publication )
- 33 Tarazi, I., Al- Najjar, E., Lulu, N, Sirdah, M. (2007) . Obligatory Premarital Tests for beta Thalassaemia in the Gaza Strip: Evaluation and Recommendations, *International Journal of Laboratory Hematology*,29(2) ,111-118. (ISI/SCOUPS Cited Publication )
- 34 Sirdah, M., Abu Shahla, AN., Khoudair N., El Agouza I. (2006) . Serum level of antioxidant Taurine in beta thalassaemia subjects: possible protection against thalassaemia complications, *Journal of Tropical Pediatrics*,52(3) ,227-228. (ISI/SCOUPS Cited Publication )
- 35 Sirdah, M. (2006) . Taurine: An Antioxidant of Choice, *Journal of Al Azhar University Gaza (Natural Science Series)*,8(2) ,63-86
- 36 Sirdah, M, El-Agouza, I, Abu Shahla (2002) . Possible Ameliorative Effect of Taurine in the Treatment of Iron Deficiency Anaemia in Female University Students of Gaza , Palestine, *European Journal of Haematology*,69(4) ,236-242. (ISI/SCOUPS Cited Publication )
- 37 El-Agouza, I, Abu Shahla, Sirdah, M. (2002) . The Effect of Iron Deficiency Anaemia on Different Haemoglobin Levels: Possible Consequences on Clinical Diagnosis, *Clinical and Laboratory Haematology [recently International Journal of Laboratory Hematology]*,24(5) ,285-289. (ISI/SCOUPS Cited Publication )
- 38 Sirdah, M., Bilito, Y. Y. , El-Jabour, S., Najjar, Kh. (1998) . Screening Secondary School Students in the Gaza Strip for beta-Thalassaemia Trait, *Clinical and Laboratory Haematology [recently International Journal of Laboratory Hematology]*,20(5) ,279-283. (ISI/SCOUPS Cited Publication )

**- Proceedings**

- 1 Sirdah MM, Shubair ME, Al-Kahlout MS, Al-Tayeb JM, Shaban MA, Aboud LN. (2016) . G6PD deficiency in Gaza: evaluation and recommendations. , *The 5th Palestinian Pediatric Conference. ,Gaza, Palestine*,2 -3 December 2016,
- 2 Reading, NS., Sirdah, M.M., Perkins, SL., Wilson, AR., Shubair, ME., Aboud, LN., Prchal, JT (2012) . G6PD Deficient Variants Differ in Risk of Hospitalization Among Gaza Strip Palestinian Children, *The 54th American Society of Hematology ( ASH) Annual Meeting, Atlanta, Georgia, December 08 - 11, 2012*,4268. (ISI/SCOUPS Cited Publication )
- 3 El-Agouza, I, Abu Shahla., Sirdah, M. (2002) . Serum Level of Antioxidant (Taurine) in  $\beta$ -thalassaemia Subjects: Possible Protection Against Thalassaemia Complications, *8th symposium on genetics in health and disease status, implicit and implications for individuals and community ,Riyadh, Saudi Arabia*,November 2-4, 2002,
- 4 Tarazi, I., Sirdah, M., Lulu, N, Al- Najjar, E. (2002) . Obligatory Premarital Test for beta- thalassaemia: Crucial Step Adopted Toward the Control of Homozygous beta- thalassaemia in Gaza Strip, *8th symposium on genetics in health and disease status, implicit and implications for individuals and community ,Riyadh Saudi Arabia*,November 2-4, 2002,
- 5 Sirdah, M., Abu Shahla, A N., Bilito, Y. Y. (1999) . Carriers Screening and the Proposed Prevention Program of beta-Thalassaemia: The Experience of the Gaza Strip, *The First Regional Symposium on Ethical and Genetic Counseling Issues, Riyadh, Saudi Arabia*,November 13-14, 1999,
- 6 Sirdah, M., Bilito, Y. Y. , El-Jabour, S., Najjar, Kh. (1997) . Screening Secondary School Students in the Gaza Strip for Iron deficiency anaemia and beta-Thalassaemia Trait, *The Eighth Arab Conference of Clinical Biology, Amman, Jordan*,28 April- 1 May, 1997,

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## AWARDS AND RECOGNITIONS

(YEAR , NAME , INSTITUTION, LEVEL)

2016 , The Distinguished Arabic Researcher Prize in Medical and Health Sciences , The General secretariat of The Association of Arab Universities. , International  
2014 , The Scientific Research Council 2014 Prize , Ministry of Education and Higher Education , National  
2014 , The Federation of Arab Scientific Research Councils (FASRC) 2014 Prize for Distinguished Research. , The Federation of Arab Scientific Research Councils (FASRC) , International  
2014 , Zamalah Research 2014/2015 Scholarship ,(Bank of Palestine and Welfare Association) , National  
2011 , Fulbright Postdoctoral visiting scholarship (2011/2012). , University of Utah, USA , International  
2010 , daad Postdoc Fellowship , BNI, Hamburg, Germany , International  
2007 , daad 2007 Postdoc Fellowship , Muenster University, Germany , International  
1997 , Association of Arab Universities Award for Scientific Research , Association of Arab Universities , International  
1995 , daad MSc Scholarship , University of Jordan, Amman , International

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## SUPERVISION

(DEGREE , CANDIDATES , THESIS , SESSION , YEAR)

**Completed** \* PHD , three at Ain Shams University , , ,  
\* Master , Many at different Universities , , ,

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## EVALUATION ACTIVITIES

(DESCRIPTION , EVALUTION , YEAR)

**Examiner PhD /Msc Thesis** \* many MSc and some PhD ,

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## TEACHING

(LEVEL , COURSE )

**First Degree** \* Undergraduates: Hematology, Principles of Genetics, Human genetics, Medical genetics Research methodology, Principles of Biochemistry, Cell biology, Immunology.  
**Post Graduate** \* Advanced Genetics  
\* Hemoglobinopathies  
\* Research Methodology  
\* advanced Molecular Biology

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