

Curriculum Vitae

Name: **Said Younes Khatib**
Date of birth: 1955 (Jordan)
Address:
Work: Dept. of Physiology & Biochemistry
Faculty of Medicine. Jordan University of Science & Technology
Jordan

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Marital status: Married with four children

Administrative experience:

- 1- 2004-2009. **Chairman of Physiology Dept.** for 5 years At Jordan University of Science and Technology / Faculty of Medicine.
- 2- 2012-2015. **Chairman of the Exam center** at Faculty of Medicine, King Fahed Medical City, Riyadh, Saudi Arabia.

Rank: Full Professor since 2002. From Jordan Uni. of Science and Technology / Faculty of Medicine.

Positions: Professor of Physiology FOM. JUST

Education:

- 1974-1976: **GCE “Advance level”** Putney College for Further Education – London, England .
Biology, chemistry and Pure Math.
- 1976-1979: BSc (Honors), Queen Elizabeth College. **University of London.**
- 1979-1983: Ph.D. Charring Cross-Hospital Medical School. **University of London.** England

Qualifications

- 1976-1979: **B.Sc. (Joint Honors) in Physiology and Biochemistry**
Queen Elizabeth College - University of London
- 1983/4: **PhD in Physiology** (Charring Cross Hospital medical school, Uni. of London).

Work experience;

1984–1992. Assistant professor at Jordan University of Science & Technology (JUST)

1993 - 2002: Associate professor at JUST.

1996-1998 Visiting Associate professor at Amman Private University (sabbatical)

2002– 2010: Professor of Physiology in Dept. of Physiology, School of Medicine. JUST.

2010 - 2019. Professor of Physiology. Dept. of Basic Medical Sciences, King Fahad Medical City / Faculty of Medicine. Riyadh, Saudi Arabia.

2019 –2023: Faculty of Medicine, Jordan University of Science & Technology

2023 - 2024: Visiting Professor at Hashemite University (College of Applied Medical Sciences and School of Medicine)

Teaching experience

Undergraduate:

A. 1984 – Now

Jordan University of Science & Technology – Faculty of

Since I was appointed assistant professor at the Medical school 1984, I have been lecturing human physiology to Medical, Dental, Pharmacy, Pharm D. Nursing, Allied health and public health and medical engineering students. I also participated actively with 3 more colleagues in 1984/6 in putting foundations of all the physiology syllabuses for all courses. I participated in teaching of all the following courses:

1- Medical students I participated in the planning the foundations and teaching the various blocks since we adopted the "block system" teaching in JUST over the last 10 years.

We have the following blocks, Haemobiotic, Musckleskeletal, Cardiovascular, Renal and urogenital, Respiratory, Endocrine and reproductive, Gastrointestinal, Central nervous I and II. These blocks are give over 3 semesters in second and third year.

2- Dental	M 238.&M239	NM, CVS, GI	Endocrine, Renal and Respiratory
3- Public health	M 331		
4- Allied health	M 332	All topics of Human physiology	
5- Pharmacy	M 230	All topics	= =
6- Pharmacy	M 372	Pathophysiology- CVS and GI.	
7- Nursing	M 131	NM, GI, CV, Renal Respiratory, Endo	
8- Medical Eng.	M 236	Nerve & Muscle lectures	
9- Doctor of Pharm	M132	NM, CV, GI, Respiratory, Renal, Endocrine	
10- Pharmacy	All topics		
11- Medical	Modular systems. (NM, GI & CVS, Renal & Respiratory)		
12- Occupational health & Physiotherapy students	M235	Functional “Exercise physiology”	

Course co-ordinator for the Public health physiology course M331 & M332

1. 1985 &1986 Course co-ordinator for the Medical technology students M331/332, 1986/89 (3 years)
2. Course co-ordinator for the Pharmacy student’s course, M230. 1990 -1994 (4 years)
3. Course co-ordinator for the Dental physiology course M238/239 1994 - 2001

4. Course co-ordinator for M235 Functional “Exercise physiology” 2000/02
5. Course co-ordinator for M132 Introduction to human physiology 2003 – 2010
6. Block planner of Musculo-skeletal block at King Fahad Medical City 2012
7. Coordinator of CVS diploma (2 years course) at FOM – KFMC 2018
8. Coordinator and supervisor of medical students in the intercalated program 2022.

B-1996-1998:

Amman Private University – sabbatical

I spent one-year sabbatical **and** one year as leave of absence in Amman University where I was teaching physiology for Pharmacy and medical technology students.

C. 2010 – 2016. (PBL teaching)

Faculty of Medicine / King Fahad Medical City / King Saud bin AbdulAziz Uni for health sciences.

Participated in teaching Physiology, Endocrine, GI, Respiratory, CVS, Renal and Special senses to second and third year medical students. I also actively participated in PBL teaching of the above systems at FOM - KFMC

Postgraduate;

- A. Co-ordinate and taught several Master physiology courses for master students
M730 (Advanced Physiology), M734 (Advanced Cardiovascular system)
M738 (Advanced renal physiology) , M740 (Physiology Seminar)
- B. I supervised as " principal advisor " all the following projects for the master degree,
 1. " The protective action of Inosine on the hypoxic isolated rabbit heart ".1988
 2. “ Preconditioning in hypertrophied isolated rabbit heart’ , 2003
 3. " Effects of Leptin on isolated rabbit heart and isolated strips of tracheal smooth muscle. 2005.
 4. " The preconditioning effects of PDE5 inhibitors on ischemic heart, (Sildenafil Vs Ordonofil), 2007
 5. " Hemodynamic effects of PDE 5 Inhibitors (Sildenafil and Ordonafil) On isolated hypertrophied rabbit heart".
 6. "The effect of chronic administration of PDE5 inhibitors on L-NAME induced left ventricular hypertrophy. 2009.
 7. "The effect of Sildenafil on some respiratory parameters in human" 2009.
 8. " Vascular function and handgrip strength in rheumatoid arthritis patients, 2009

9. **The impact of co-existence of smoking and diabetes on the coronary artery severity and outcome following percutaneous coronary intervention in middle Eastern patients - 2019**

10. **Blood levels of Alpha-1- antitrypsin during the course of acute myocardial ischemia- possible clinical significance __ 2022 - 2023**

11**External examiner for a Master thesis thesis at Yarmouk University, 1987**

12. **Examiner for an MSc thesis investigating the genotyping in diabetic patients on Relation to coronary heart disease in Jordan**

Research interests and experience

1. " **Regional differences in electrical activity in intact left ventricle under different mechanical conditions of contraction "**

(Ph.D. Thesis.): The topic of the PhD thesis in the University of London was on the effects of mechanical activity on the electrical properties of the myocardium as expressed by changes in the duration In this project I studied the effect of mode of contraction of the action potential and changes in the T- wave of the epicardial ecg produced in response to rate changes. The study was carried out on the intact isolated Langendorff perfused rabbit heart and in vivo pig heart. In vivo experiments on the pig the heart was exposed in a pericardial cradle and action potential was recorded by suction electrode from different regions before and after clamping the aorta for few seconds. The aim of the project was prove the existence of mechano - electrical interactions, which have suggested to play a role in the genesis of arrhythmia at early stages of ischemia

2. The physiological effects of crude extract from a selected local medicinal plants on various types of muscles, e.g tracheal and cardiac muscles.
Supported by **Shoman scientific foundation Fund and Higher council for science and Technology**. The project is still going and at final stages

3. I am very much interested in the protective preconditioning effects of PDE5 inhibitors, *Sildenafil*, and *Ordonafil* and reperfusion injury on myocardium and its mechanism of action. Also their effects on myocardial hypertrophy

4. I am conducting a studies for the last 10 years to test the relaxing effects of some potential drugs for erectile dysfunction on behalf of Jordanian pharmaceutical company. Novel new drugs for tracheal relaxation and corpora cavernosum relaxation.

5. The Phosphodiesterase-5 inhibitors and their effect on hypertrophied heart. As well as on cardiac preconditioning. Published three master thesis and presented several abstracts in international meetings

6. PDE- 5 inhibitors and pulmonary function in normal and asthmatic subjects. We investigated the effects of PDE5 inhibitors on normal subjects which has been

presented and published in the American thoracic Society meetings. We are interested in testing this on asthmatic patients.

7. The protective effects of propofol ' Muscle relaxant " on ischemic heart.
8. The suppressive effect of PDE-5 inhibitors on various models of induced myocardial hypertrophy, i.e. L-thyroxine and L-NAME experimentally induced cardiac hypertrophy
9. We conducted a study at FOM and King Salman Heart Center on the plasma levels of Alpha-1- Antitrypsin in myocardial infarction patients. It was completed in June 2019.
10. At present I am looking at the level of Glucagon-like peptide - 1 in myocardial infarcted patients after establishing that GLP-1 has reduced infarcted area by 20 % in isolated Langendorff perfused intact rabbit heart.

International Awards

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- 1- I was a recipient of an international travel award (\$1500) to attend the world Congress of ISHR in **Kobe - Japan 1992** and to present the results of the effect of **Glyburide on adenine nucleotides on the hypoxic isolated heart.**
- 2- A recipient of travel award to participate in ISHR / American section meeting which was in Cincinnati June 2008. I presented an abstract on "**The effect of PDE5 inhibitors on myocardial hypertrophy A comparable study between Sildenafil and Ordonofil**

Grants and Research funds

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- 1- Part of my PH.D project was supported by the **British Heart Foundation Fund**, given to Dr Max Lab.
2. A grant from Jordan University of science and technology (**JUST**) to support the project on The cardiotoxicity on Ecballium Elaterium.
3. A grant from **JUST** to support the Glyburide project.
4. A grant from **JUST** to support a project on the effect of propofol on isolated rabbit heart.
5. A grant from **JUST** to support the project about Inosine and its effect on Nucleotides in isolated heart. (MSc thesis)
6. The **British council** supported my visit to Leeds University to work in Dr M. Boyette's Lab
7. The **higher council for science and Technology** supported my two projects on Rosmarinus and Chorchorus Olitorius and other medicinal plants. Still going on.
8. A grant form **JUST** for the MSc project "Preconditioning in hypertrophied Heart
9. The **Higher council for science and Technology has funded** a project for 3 years in co-operation with faculty of pharmacy to isolate and study the effect of some medicinal plants on isolated heart, motility of GI and relaxation of tracheal smooth muscle 2004.

10. **Jordan Pharmaceutical Company** 2001–Now. The company financed all the work I am doing on the effects of novel agents (developed by the JPM) on isolated strips of penile tissues, on isolated heart and on trachea contraction and relaxation as compared to the effect of Sildenafil. It also supported some work examining the effect of new drugs on the tracheal smooth muscle which is still going on

11. A grant from JUST to support the effect of Leptin project for an MSc thesis
12. A grant from JUST to support the effect of PDE5 inhibitors and preconditioning project for an MSc thesis.
13. A grant from JUST to support the effect of PDE5 inhibitors on hypertrophied myocardium. To support two MSc thesis.
14. A grant from Showman scientific research foundation to support a Project to screen some medicinal plants and their effects on heart, tracheal and intestinal smooth muscle.
15. A grant from JUST to support ' The effect of PDE5 inhibitors on L-NAME induced hypertrophied heart. 2008, An MSc thesis
16. A grant from JUST to support " The effect of Sildenafil on some Respiratory parameters in normal human". 2009
17. A grant from King Fahad Medical city to examine the effects of sildenafil on asthmatic patients – completed Sept. 2017
18. A grant from Research Center at KFMC to study blood levels of Alpha 1 antitrypsin in acute myocardial infarction. **Completed June 2019.**
19. A grant from JUST research funds to examine the levels of Alpha -1 antitrypsin in the plasma of myocardial infarction patients over 96 hours – **Completed April 2023**

Organizing International Scientific meetings

I organized and chaired four international meetings which were held in Jordan and in Riyadh- Saudi Arabia entitled:

“ Myocardial Protection from Bench to Clinical Application” :

- 1- The **1 st** conference: May 20 – 22nd, 2008. 12 international speakers were invited from, USA, Canada, France and UK
 - 2- The **2nd** : May 2 – 5th, 2009, 23 international speakers from USA, Canada, UK, Germany, France, Japan, Russia and Australia
 - 3- The **3 rd**, **April 17 -21st**, 2010. 26 speakers were invited from USA, Canada, UK, Slovakia, Turkey.
 - 4- I have organized the **4th** meeting **“Myocardial Protection from Bench to Clinical Application”** which was held in KFMC / Riyadh during **4 – 5th of October 2011**. 9 international speakers were invited from USA, Canada and UK.
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Scientific meetings attended:

I attended large number of international conference in which I presented abstracts in most of these meetings.

1. Most of the physiological society meetings in U.K in the period 1980-1983, I presented abstracts in three meetings.
2. I attended all the cardiac muscle research group meetings between 1980-1983. Presented a poster in the meeting held at Midhurst in August 1983.
3. Physiological Society meeting, Oxford 17-18 May 1987. Presented an abstract.
4. International workshop on the clinical aspects of ventricular repolarization , ***London, August/September 1987 .***
5. The first Jordan cardiac society conference 26-28 Oct.1988.
6. The First Gulf conferences on intensive care medicine, ***1991***. I presented an abstract on: ***The Cardiovascular Effects of Propofol on the Rabbit Isolated Heart. Doha/Qatar 26-28 Nov***
7. The world congress of the international Society for heart research, Presented an abstract on: ***The Effects of Glyburide on the Levels of ATP and Creatine Phosphate. Kobe – Japan, 12-17 May 1992.***
8. The V international meeting on “New perspectives in ischemic heart disease...”Presented an abstract on: ***“ The Effect of Allopurinol on Levels of Adenine nucleotides and Myocardial Function. Bologna- Italy, Feb 2000***
9. **XVII World congress of International Society for Heart Research.** Presented an abstract about: ***The Effect of Glyburide on Calcium Current and Contractility of Single Myocytes Winnipeg- Canada, 5 – 12 of July 2001.***
10. Fourth Congress of the European Society for sexual and impotence research. Presented an abstract: ***Comparison between Sildenafil and a Novel Agent (JPM8) on the Contraction and Relaxation of Rabbit Cavernosum. Rome – Italy, 28 / Sept. - 5 /Oct. 2001.***
11. The 2 nd Mediteranean Congress of Sexual Dysfunction, 3 rd symposium of international assocaition of male sexual surgery. Presented as abstract entitled ***“ Does Sildenafil Affect a Denervated Heart?’ Amman June 26–28,2002. Jordan***
12. The 10 th World Congress of the International Society for Sexual and Impotence Research. Presented an abstract: ***The Cardiovascular***

Effects of Sildenafil on Isolated Rabbit Heart.
Montreal / Canada , Sept 21 – 26, 2002.

13. The first world congress of the international academy of cardiovascular Sciences. I presented an abstract on:
Preconditioning in Hypertrophied Heart.
Bello-Horizonte, Brazil, 21 – 25 Oct, 2003
14. XVII World congress of International Society for Heart Research to present an abstract on “ ***The Role of P38 in the Mechanism of Action of Preconditioning in Myocardial Hypertrophy.***
Brisbane – Australia, 4 – 11 August, 2004
15. ISHR (XXVII American section meeting, *New Orleans 12- 15 May 2005.*
16. American Thoracic society meeting. *San Diego, May 20 – 25, 2005.*
I presented three abstracts:
 1. ***Effect of Sildenafil and its components JPM7 and PDI 11 on tracheal muscle relaxation in rabbit***
 2. ***Effect of a Noval agent JPM7 on tracheal relaxation compared to that of Theophylline and IBMX***
 3. ***Effect of Sildenafil and Ordonofil on tracheal muscle relaxation compared to that of theophylline.***
17. The first Jordanian conference on Accreditation and Quality Assurance of Higher Education. *Amman 13 – 15 Dec 2005.*
18. International academy of cardiovascular sciences " Future hear health and disease". I presented a talk on : ***Leptin's Effects on Isolated Rabbit Heart.*** *Winnipeg 12 – 15 Oct 2006*
19. The XIX world congress of International Society for Heart Research. I presented a paper on ' ***The Effect of Phosphodiesterase 5 Inhibitors, Sildenafil and Ordonafil on Ischemic Heart during Reperfusion- Comparable Study.***
J Mol Cell Cardiol 42, suppl 1, June 2007. Bologna, 2007
20. I attended the American heart Association meeting, Orlando, Nov. 2007
21. The ISHR meeting / American section which was held at Hilton Hotel in presented an abstract:
The Effect of PDE5 Inhibitors on Myocardial Hypertrophy: A comparable study between Sildenafil and Ordonofil.
Cincinnati, USA June 2008
22. I attended the American Heart Association meeting, New Orleans.USA
Nov. 8-12, 2008.
23. I attended the American Thoracic Society, 2009. I presented an abstract

at the International conference:

Entitled: *Bronchodilation effects of PDE5 inhibitors (Sildenafil & Ordonofil): Role of cGMP/cAMP- NO.*

San Diego / CA, USA in May 15 – 20th , 2009

24. An abstract was presented at XX world congress of International Society for Heart Research, ,
Entitled: *Effect of long term administration of phosphodiesterase-5 inhibitors on L-NAME induced left ventricular hypertrophy*
Kyoto, Japan May 13 – 16th, 2010.
25. An abstract was presented at the 15th world congress of International academy of Cardiology – Vancouver, **July 24 – 28th2010.**
PDE5 inhibitors and suppression of myocardial hypertrophy.
26. An abstract was presented at American thoracic Society meeting 2011
Entitled: " **The effect of PDE-5 inhibitor " Sildenafil" on pulmonary function test in normal subjects" May, 13 – 18th, Denver, USA, 2011**
27. An abstract was be presented to the 16th World Congress of The International academy of Cardiology Vancouver, **July 23 – 27th2011.**
Alpha-1 antitrypsin Protects Myocardium From Reperfusion Injury
28. An oral abstract was presented " Winnipeg International Conference – Scientific Bases of heart health and care.
The abstract title " **Suppression of L-NAME induced myocardial hypertrophy by Phosphodiesterase -5- Inhibitors.**
Winnipeg – 13 – 16th Oct, 2011. Canada.
I was invited to chair a session in the above meeting.
29. Invited as moderator to the International Society for Heart Research meeting " North America section" to be held in Banff / Alberta / Canada
During 28-31 May, 2012.
30. 10th Asia Pacific Medical Education conference. Jan 18 – 19th , 2013, Singapore.
Organized by National University of Singapore.
31. International Society for Heart Research(ISHR) . XXI world Congress, June 30th – July 4th, San Diego, USA, 2013
32. The American Thoracic Society, May 16th – 21st, San Diego, 2014
33. The American Heart Association meeting " scientific sessions"
Nov. 15 – 19th, Chicago, USA, 2014.
34. The American Thoracic Society, May 15 – 20th, Denver, USA, 2015
Presented an abstract entitled " **The effect of PDE-5 inhibitor " Sildenafil" on pulmonary function test in asthmatic patients.**
35. **The American Heart Association' scientific sessions"**
Nov. 13- 18th. Orlando, USA. 2015

36. Experimental biology meeting, Chicago, USA. April 2017
37. The Malaysian Thoracic Society meeting, Kuala Lumpur, July 2017
38. International Academy of Cardiovascular sciences, Orlando, USA. August 2017 (invited speaker)
39. The American heart association “scientific sessions” Los Angeles, USA. Nov 2017
40. Experimental biology- May 10th, 2018, San Diego, CA. USA.
- 41- American Thoracic Society, May 20th, 2018. San Diego, CA. USA
- 42- American Heart Association, Nov 7th Chicago, USA. 2018
- 43 – Experimental Biology, Presented an abstract. April, 2019 Orland, USA
- 44 – American Thoracic Society, May 17th, Dallas, USA 2019
- 45 - **American Society of Biochemistry and Molecular biology. Submitted** an abstract “ Expression of β cardiac myosin heavy chain in mice is increased by Nitric-oxide inhibitor (L-NAME). Seattle 25 - 28th March, 2023.
46. Submitted as abstract of plasma levels of Antitrypsin in MI patients
47. Poster judge ASBMB, Seattle, 2023.

Scientific visits:

1. 1988(June-Sept). I visited Dr El Sheriff’s Lab. In the **Veterans Administration Medical center** in New York where I worked with the group on the Effects of Glyburide on ischemia induced changes in dogs and its possible protective effect from Arrhythmia.
2. I was invited by Dr El shariff to visit their Lab 1989(June-Sept . at the **Veterans Administration medical center / Brooklyn** to complete the above project of Glyburide and to participate in other project about mechanism Arrhythmia in the right atrium.
3. 1992 (June-Sept). I worked in Dr Boyett’s Lab at the medical school in **Leeds University** where I studied the effect of Glyburide on iCa^{++} in isolated guinea pig cardiac myocytes.
4. 1994 – 1996. I spent one year sabbatical **and** one year leave –of- absence in **Amman Private University** I taught physiology to Pharmacy and medical technology students. Beside this I carried out a study on the protective effect of Allopurinol on the hypoxic isolated rabbit heart.

Seminars presentations:

I gave seminars as invited speaker on several of my research topics (PDE- 5 inhibitors and myocardial hypertrophy, myocardial preconditioning, Bronchodilation and penile activity)

- 1- Wright State University, School of Medicine, USA 2007
- 2- University of south Alabama, School of Medicine, USA, 2007
- 3- University of Manitoba, Instituted of Cardiovascular research, Winnipeg, 2007-
- 4- Virginia commonwealth University, School of Medicine, USA, 2008
- 5- University of Alberta, Mazenokwenski cardiovascular institute, Edmonton, 2008
- 6- West Virginia University, Morgontown, School of Medicine, 2009

Committees

1. The Medical School council. 1984/5
2. The Medical School council 1985/6
3. The Medical School Library 1984/5
4. The Medical School Library (Chairman) 1985/6
5. The University general Library. 1986/7
6. The Medical School Library (Chairman) 1987/8
7. The Medical School Library (Chairman) 1989/90
8. The Medical School Council 1989/90.
9. The Medical School council 1992
- 10 Member of the University Council 1999/2000
11. Member of the medical school council 2001 – 2009
12. Member of the committee putting applied exam question in Physiology for surgery (part I) for Jordan Medical Council (Jordan Board in surgery), **2008 and 2009**
12. Member and chairman of several committees to evaluate promotion applications for faculty members in the school of Medicine
13. Member of the Exams committees, being chairman of the exam center, at Faculty of Medicine / King Saud Bin Abdulaziz University for health sciences & KFMC between 2012 - 2016

Memberships;

1. The British Cardiovascular Society 1987 -1989
2. The International Society for Heart Research 1991 -now
3. The Biochemical Society 1986 -1990
4. International academy of cardiovascular sciences 2003- now
- 5- Fellow of the American heart association, USA, 2007- 2008

Publications

1. **Khatib S. and Lab M . 1982 a.**
Differences in electrical activity in the apex and base of left ventricle produced by changes in mechanical conditions of contractions.
J. of Physiol 324, 25p.
2. **Khatib S. and Lab M. 1982 b**
A Modified Langendorff preparation for changing left ventricular loading conditions.
J. of Physiol 324, 8p.
3. **Khatib S. and Lab M. 1984.**
Mechanically dependent changes of electrical restitution in left ventricle of rabbit heart.
J. of Physiol 346, 69p.

4. **Khatib S. 1987.**
Isovolumic contraction produces different restitution curves from different Areas of the intact isolated rabbit heart.
J. of Physiol 394,35p.
5. **Khatib S. & Al- Hader A. 1992**
Glyburide effects on ATP and CP levels in hypoxic heart.
J. Moll Cell Cardiol 24 (suppl I) O- 07- 8.
6. **Bekheit S, Khatib S. et al. 1990**
Effects of Glyburide on ischemia-induced changes in extracellular potassium and local myocardial activation. A potential new approach to the management of ischemia- induced malignant ventricular arrhythmia.
Am. Heart Journal 119(5), 1025- 1033.
7. **Khatib S, et al. 1992**
The effects of crude Ecballium Elaterium juice on the rabbit isolated heart.
International J. of Pharmacognosy, 31 (1).
8. **Khatib S, et al. 1992**
Hemodynamic effects of propofol on isolated rabbit heart.
Middle East J. of Anesthesiology 11 (5) pp. 455-466,June 1992.
9. **Al Hader A, Khatib S. et al 1993**
Thyroid Function in Children with B-thalassemia major in north Jordan.
Journal of Tropical Pediatrics 39 (2) pp. 107-110
10. **A. Al Hader, S.Y. Khatib et al 1994**
The effect of ramadan fasting on certain biochemical parameters in Normal and in type II Diabetic subjects.
Anns. Saudi medicine 14 (2): pp. 139-141.
11. **Z. Hasan, s. Khatib, A. abu Laban. 1995**
Effect of Propofol and thiopentone on picrotoxin convulsive threshold in rabbit. **Can. J. Physiol pharmacol 73(6): pp. 714-717**
12. **S.Y. Khatib, A. Alkofahi et al. 1998**
The cardiovascular effects of Rosmarinus officinalis on the isolated intact Rabbit heart. **Fitotherapia volume Lxix (6): 502-506**
13. **S.Y.Khatib, A. Alkofahi et al. 1998**
The effect of Corchorus olitarius of left ventricular pressure , coronary flow and heart rate of the Isolated rabbit heart.
Biomedical letters 57: 147-152.
14. **S.Y. Khatib and H. Farah. 1999**
Interference of anticoagulants with estimation of glucose, Alkaline phosphatase, albumin, α -amylase and total protein in serum and blood plasma
Biomedical letters 60: 127-133

15. **S.Y.Khatib, H. Farah, F. Migdadi, 2001**
 “Enhanced adenine nucleotides and improved myocardial function by allopurinol in isolated hypoxic rat heart.
Biochemistry (Moscow) 66(3): 328 - 333, 2001

16. **F. El-Magdadi, S.Y. Khatib and N. Bashir. 2001**
 Lactate dehydrogenase activity, Insulin and lactate levels at below sea level altitude and compared to above sea level altitude.
Biochemistry (Moscow) 66 (1) : 95-99.

17. **S.Y.Khatib and M. Boyette. 2001**
 The effect of glyburide on iCa^{++} and force of contraction in single myocytes of guinea pig myocardium. **J Moll Cell Cardiol 33(6), A59.**

18. **Said Khatib, Talal El-Thaher and Adnan Badwan. 2001**
 Comparison between the effects of sildenafil and a novel agent ‘JPM 8’ on the contraction and relaxation of the isolated rabbit corpora cavernosum.
Proceedings of the 4 Th Congress of the European Society of Sexual And Impotence Research, p154. Sept-Oct /2001

19. **Mohammed Jaafer, Said Khatib and Nabil Bashir**
 Glutathione and Antioxidant Enzymes with short term exercise in hypertension and hyperlipidemia .
Egypt Journal of Physiology 24(2), 2002.

20. **S.Y.Khatib and M. Boyette. 2002**
 The effect of glyburide (glibenclamide) on myocardial function in isolated rabbit heart and on iCa^{++} and contractility in single myocytes of guinea pig myocardium.
Biochemistry and Cell Biology, 242, 81-87,2003....(Invited manuscript)

21. **TS. El-Thaher, SY. Khatib et al. 2002.**
 A Novel compound JPM8: In vivo penile activity promotion in rats. Effect on Relaxation and cGMP/cAMP accumulation in isolated rabbit corpora Cavernosa.
International Journal of Impotency Research 14:1-9, 2002

22. **S.Y. Khatib, Talal Thaher and Adnan Badwan, 2006**
 1. Effect of Sildenafil and its components JPM7 and PDI 11 on tracheal muscle relaxation in rabbit
 2. Effect of a Novel agent JPM7 on tracheal relaxation compared to that of Theophylline and IBMX
 3. Effect of Sildenafil and Ordonofil on tracheal muscle relaxation compared to that of theophylline.**Proceedings of the American Thoracic Society, Abstract issue volume, 2005**

23. **Said Y. Khatib, et al. 2007.**

The effect of Phosphodiesterase 5 inhibitors, Sildenafil and Ordonafil on ischemic heart during reperfusion- comparable study.
J Mol Cell Cardiol 42, suppl 1, June 2007. 2007

24. Said Y. Khatib *et al.* 2009.

Bronchodilation effects of PDE5 inhibitors (Sildenafil & Ordonofil): Role of cGMP/cAMP- NO.
Proceedings of the American Thoracic Society, Issue: May, 2009.

25. Said Khatib *et al* , 2010.

Effect of long term administration of phosphodiesterase-5 inhibitors on L-NAME induced left ventricular hypertrophy
J. Mol. Cell Cardiology, May, 2010.

26. Said Khatib *et al*, 2011.

The effect of PDE-5 inhibitor " Sildenafil" on pulmonary function test in normal subjects" **Proceedings of the American thoracic Society, May, 13 – 17th, Denver, USA, 2011**

27. Said Khatib *et al*, 2011.

PDE5 inhibitors and suppression of myocardial hypertrophy
**Proceeding of the International academy of Cardiology
Vancouver, July 23 – 27th2011.**

28. Ziyad Akawi and Said Khatib, 2011.

Alpha-1 antitrypsin Protects Myocardium From Reperfusion Injury
**Proceedings of The International academy of Cardiology
Vancouver, July 23 – 27th2011.**

29. Aiad siam, Asad Zeidan, Abdulaziz Alkkaba, Mukhallad Mohammed and Said Khatib 2011.

The ability of phosphodiesterase – 5 inhibitors " Sildenafil and Ordonafil" to reverse L-NAME induced cardiac hypertrophy in the rabbit: possible role of Calcineurin and p38. Invited manuscript
Can. J. of Physiol and Pharmacol 90(9):1247-55. 2012

30. Mahmoud Omari, Said Khatib , *et al*, 2012

Vascular function and handgrip strength in rheumatoid arthritis patients.
The scientific world Journal Accepted Oct 2011.

31. Mukhallad AlJanabi, Said Khatib, Nayef Gharaibeh.

Does sildenafil improve ventilatory function in asthmatic subjects?
Breathe 13 (2) :113 – 116, 2016-7

32. Mukhallad Mohammad, Mohammad Alqudah, Ramzi Al-horani. Said Khaib, Nayef Gharaibeh

Ca²⁺ sensitivity of skinned ventricular cardiac muscle and expression of cardiac myosin heavy chain isoforms in hibernating versus active frogs.

Comparative Clinical Pathology, March 2017.

33. Osama Yousef Abo Alrob, Said Khatib, Saleh A Naser.

MicroRNAs 33, 122, and 208: a potential novel targets in the treatment of obesity, diabetes, and heart-related diseases.

Journal of physiology and biochemistry 73 (2) , Dec 2017.

34. Said Khatib, “Suppression of cardiac hypertrophy by phosphodiesterase-5 inhibitors "Sildenafil and Ordonafil: Possible role of Calcineurin and p38.

International academy of cardiovascular sciences - North America section – Orlando, USA. 2017

35. Said Khatib and Mukhallad Aljanabi.

THE Effects Of Sildenafil, phosphodiesterase 5 inhibitor, on the Expression of α and β Heavy Chains In Hypoxia-Induced Right Ventricular Hypertrophy in Mice.

Experimental biology, Chicago, USA. April 2017.

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Educational courses attended;

1. Workshop in medical educational planning held at JUST 1988.
2. Workshop in educational planning and evaluation held at JUST 1992.
3. Workshop on “Methods in medical research and use of biostatistics” held at Jordan University in collaboration with John Hopkins University medical institution, 1989
4. Comprehensive course on usage of Windows, including Win word, Excel, Microsoft Access, Power point and Internet at " **Computeach computer center** ". Jordan 1999
5. Completed a course on SPSS program ad its usage in statistics July 2001.

6. Workshop on medical education organized by Center for Education Development for medical education at Jordan University Dec 2001
7. Principles of students assessment, Oct 22 – 23rd, 2011. College of Medicine. King Saud bin Abdulaziz University- health Sciences
8. The 4th clinical teaching Workshop, 5 – 8 Feb, 2012. King Fahad Medical City, King Saud bin Abdulaziz Uni – health sciences.
9. Basics in assessment, 7th OCT. 2013. King Fahad Medical city. King Saud bin Abdulaziz Uni. – health sciences.
10. Innovative Concepts in Health Professionals Education: current trends. April 6 – 10 , 2013. King Fahad Medical City. King Saud bin Abdulaziz Uni. Health Sciences. Riyadh, Saudi Arabia.
11. Academic Integrity Workshop. April 1st, 2014. At King Fahad Medical City. Riyadh Saudi Arabia.
12. Essentials of Assessment, Dec, 15th 2014. College of Medicine. King Saud bin Abdulaziz University for health Sciences, Riyadh, Saudi Arabia