

## **CURRICULUM VITAE**

### **PERSONAL DATA:**

**Surname** : AL-Muhtaseb  
**Full name** : "Mohammad Hisham" Mohammad Hashem Mahmoud AL-Muhtaseb.  
**Sex** : Male  
**Date of Birth** : April 1st 1952.  
**Nationality** : Jordanian.  
**Marital Status** : Married with five children.  
**Present Position** : professor - Department of Anatomy & Histology  
Faculty of Medicine  
University of Jordan  
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### **QUALIFICATIONS:**

**M.B.,B.Ch. 1978** : Faculty of Medicine  
Ain Shams University (Egypt)  
**Ph.D., 1986** : Faculty of Medicine  
Department of Anatomy & Cell Biology  
University of Sheffield  
Sheffield, U.K.

## **PROFESSIONAL POSITIONS & EXPERIENCE:**

- 1979 - 1980** Junior house officer, Ain Shams University Hospitals. (Egypt).  
**1980 - 1981** Resident in General Surgery Department  
Jordan University Hospital.  
**1981 - 1982** Full-time lecturer at the Department of Anatomy & Histology  
Faculty of Medicine-University of Jordan  
**1982 – 1986** Fellowship, Department of Anatomy and Cell Biology,  
Faculty of Medicine, The University of Sheffield, Sheffield, U.K.  
**1986 – 1991** Assistant Professor, Department of Anatomy and Histology,  
Faculty of Medicine-University of Jordan.  
**1992** Associate Professor, Department of Anatomy and Histology,  
Faculty of Medicine-University of Jordan.  
**Sept/1992** Head of the Anatomy & Histology Department,  
Faculty of Medicine-University of Jordan.  
**1994-1997** Leave without pay-University of Qatar.  
**1997-1998** Sabbatical year-University of Qatar.  
**1998-2000** Associate Professor-Department of Anatomy & Histology,  
Faculty of Medicine-University of Jordan.  
**6/3/2000** Professor, Department of Anatomy and Histology,  
Faculty of Medicine-University of Jordan.  
**Sept/2000-2006** Chairman of the Department of Anatomy and Histology  
Faculty of Medicine-University of Jordan.  
**Sept/2006-present** Professor, Department of Anatomy and Histology  
Faculty of Medicine-University of Jordan.

## **SPECIAL FIELDS:**

Neuro-Anatomy and Neuro-Biology.

## **PROFESSIONAL SOCIETIES:**

- Jordan Medical Association.
- British Association of Neuro Anatomist.
- Egyptian Anatomical Society.

## **PROFESSIONAL ACTIVITIES AND AWARDS**

- 1- University of Jordan Scholarship, scientific and research visit to Sheffield University-Department of Anatomy and Cell Biology, Sheffield-U.K July-Sept/1987.
- 2- Refereed articles for the twenty sixth Arab Medical Congress and seventh Jordanian Medical Congress 1990.
- 3- Head of the Department of Anatomy and Histology Faculty of Medicine-University of Jordan 1992-1993.
- 4- The Prize of the Seventeenth Annual Scientific Conference of the Egyptian Anatomical Society for the best presented paper
  - ◆ The paper published in the Egyptian Journal of Anatomy direct by the Egyptian anatomical society.
  - ◆ Certificate of Merit.
  - ◆ Two official letters sent from the president of the conference to the President of University of Jordan and to the Dean of Faculty of Medicine for my distinguished paper 7.4.1994.
- 5- Qatar University Scholarship, Scientific and Research visit to Egyptian Universities-Faculty of Medicine-Anatomy Department to exchange the ideas and experience on the electron microscope and how to take electron micrographs for the Helicobacter pylori organism in peptic ulcer patients July-Sept 1996.
- 6- Certificate of Merit from the Twentieth Annual Scientific Conference of the Egyptian Anatomical Society for the distinguished paper presented 12.12.1996.
- 7- Observer in the FRCSI section A examination at the University of Jordan 1999 which conducted by the Royal College of Surgeons of Ireland.
- 8- Member of the Examination committee for two Master thesis students, Faculty of Science-University of Jordan 1999.
- 9- Visitor professor / AL-Quds university-faculty of Medicine/Jerusalem 25/6-15/8/2000.
- 10- Member in the Jordanian medical council for part I exam in general surgery from september 2000 - 2005 .
- 11- Member in the editorial board of Dirasat – University of Jordan represent faculty of medicine in the board 2002-2007.
- 12- External examiner in the panel of external examiners for M.phil/ Ph.D anatomy students / university of health sciences – Lahore, Pakistan 2007-2016.
- 13- Member in the evaluation of medical certificate committee in the ministry of high education 2009-2010.
- 14- Member in the university council-university of Jordan represent faculty of medicine 2009-2010.

- 15- External referee for the evaluation of papers for promotion to professor and associate professor degree.( 6 candidate )
- 16- member in the faculty council – university of Jordan 2010-2011.
- 17- member in the apointment and promotion committee in the faculty of medicine –university of Jordan 2011-2012.
- 18- Reviewer for the proceeding of SZMC (SHAIKH ZAYED MEDICAL COMPLEX) medical and dental college . Lahore (2012 – 2022 )
- 19-External referee for promotion to professor in Saudi Arabia /university of jedda(2023)
- 20- External referee for promotion to associated professor in Saudi Arabia / university of jedda (2023 )
- 21- Evaluation of a sciantific university book ( Atlas of comparative anatomy) for promotion of a doctor in Saudi Arabia / university of jedda (2024 )

### **ATTENDANCE & PARTICIPATION OF WORKSHOPS & COURSES**

- 1- Workshop on “A methods in medical research and use of Biostatistics”  
University of Jordan in collaboration with JOHNS HOPKINS medical institutions  
28th March-6th April, 1988.
- 2- “Curriculum design and development 15 hours training course”  
23.1.1993-27.1.1993 University of Jordan.
- 3- “Computer course 48 hours” University of Jordan 12/3-13/4/1988.
- 4- Workshop on “Towards more active University Education” University of Qatar  
8-24/12/1994.
- 5- Workshop on “ How to use the electron microscopes”  
University of Qatar 17-23/3/1995.
- 6- Workshop on “Emergency Trauma Care” continuing education activity sponsored  
by Allegheny General Hospital in collaboration with Hamad Medical  
Corporation. February 17-20/1997.
- 7- Workshop on “Applications of Biotechnology in Medicine”  
University of Qatar-Dec 6-13, 1997.
- 8- Workshop on "expanding horizons in problem based learning in Medicine  
16-27 June 2003, Maastricht university, Faculty of Medicine, Netherland.

## **PROFESSIONAL TEACHING**

1. Gross Anatomy and Histology for
  - **Medical students**
  - **Dental students**
  - **Pharmacy students**
  - **Nursing students**
  - **Bio-Medical students**
2. Gross Anatomy and Histology (demonstration) for Medical and dental students in Sheffield University-Faculty of Medicine.
3. Advanced course of Anatomy and Physiology of Speech, The Master Degree students of Speech Pathology, Department of Speech Pathology, Center for Phonetics Research.
4. Embryology and Neuroanatomy for
  - **Medical students**
  - **Dental students**
  - **Pharmacy students**
  - **Bio-Medical students.**
5. Advanced courses in Clinical Anatomy and Applied Anatomy for F.R.C.S. Candidates (F.R.C.S. courses).
6. Special lectures in my field (the vagus nerve in relation to stomach diseases) postgraduate doctors and medical staff.

## **COMMITTEE MEMBERSHIPS:**

- |   |                  |  |
|---|------------------|--|
| 1. Academic Research Committee          | <b>1986-1987</b> | (University of Jordan)                       |
|   | <b>1987-1988</b> | (University of Jordan)                       |
| 2. Phonetics Research Council           | <b>1987-1994</b> | (University of Jordan)                       |
| 3. Faculty Council, Faculty of Medicine | <b>1988-1989</b> | (University of Jordan)                       |
| Secretary of Faculty council            | <b>1992-1993</b> | (University of Jordan)                       |
| 4. Instruments and Laboratory Committee | <b>1988-1989</b> | (University of Jordan)                       |
| 5. Library Committee                    | <b>1988-1989</b> | (University of Jordan)                       |
|   | <b>1989-1990</b> | (University of Jordan)                       |
|   | <b>1990-1991</b> | (University of Jordan)                       |
| 6. Staff-Student Committee              | <b>1989-1990</b> | (University of Jordan)                       |
| 7. Medical Biotechnology Committee      | <b>1990-1991</b> | (The High council of science and technology) |

8. Examination and Curriculum Committee **1991-1993** (University of Jordan)
9. Electron Microscope Committee **1994-1995** (Qatar university)
10. Biomedical Program Committee **1994-1997** (Qatar University)
11. Scientific Seminar Committee **1995-1996** (Qatar university)
12. Coordinator of the Scientific Seminar Committee **1997-1998** (Qatar university)
13. Member in the High Scientific and Research Committee representing University of Qatar **1995-1998**.
14. Member in the (Free of state of Qatar from poliomyelitis Committee) representing University of Qatar.
15. Examination and Curriculum Committee (member in two subcommittees) **1999** Faculty of Medicine/University of Jordan.
16. Faculty Council Committee (**1999-2000**) (**2000-2001**) (**2001-2005**) (**2010-2011**) University of Jordan.
17. Scientific Research Committee (**1999-2000**) (**2000-2001**) (**2002-2004**) /Faculty of Medicine/University of Jordan.
18. Jordanian medical council / member of the committee for part one exam in general surgery / **2000-2005** (certificate of Jordan medical council).
19. Chairman of library committee **2001-2002** (Faculty of medicine / University of Jordan).
20. Chairman of confererens committee **2010-2011** (Faculty of medicine / University of Jordan)
21. Coordinator of the digestive system (integrated system) Faculty of Medicine **2004-2011**.
22. Promotion and appointment committee (**2007-2008**) (**2011-2012**) . Faculty of Medicine / University of Jordan.

## **PUBLICATIONS**

1. **M.H. AL-Muhtaseb** and A.J. Bower.  
The Ultrastructure of the Vesiculated Axon Profiles  
In the Myenteric Ganglia of the Ferret Stomach  
Jordan Medical Journal, 1989 vol 23 No. 2:163-174.
2. **M.H. AL-Muhtaseb.**  
Anterograde Labeling of Vagal Efferent Fibers in the Myenteric  
Ganglia of the Ferret Stomach as demonstrated by Autoradiography.  
Jordan Medical Journal. 1990 Vol 24 No. 1:59-72.
3. F.U. Afifi, S. AL-Khalil, M. Aqel, **M.H. AL-Muhtaseb**, M. Jaghabir, M.  
Saket and A. Muheid.  
Antagonistic Effect of Eryngium Creticum extract on Scorpion Venom in vitro  
Journal of Ethonopharmacology, 1990,29:43-49.
4. **M.H. AL-Muhtaseb.**  
The Ultrastructures of the Myenteric Plexus in the Wall of Ferret Stomach.  
Dirasat : 1990, 17B No 4:135-160.
5. **M.H. AL-Muhtaseb.**  
An Autoradiographic Study of the Distribution of the Vagus Nerve in the Wall  
of the Ferret Stomach.  
Clinical Anatomy, 1993, Vol 6. 15-25.
6. **M.H. AL-Muhtaseb** and Musa Jamal.  
Anatomy of the Ferret Larynx, a Comparative Study with Human Larynx.  
Dirasat: 1994, 21B No 1: 151-159.
7. **M.H. AL-Muhtaseb** and M. Abu-Khalaf  
Sprouting of the Vagus nerve after Highly Selective Vagotomy,  
An Autoradiographic Study in the Ferret Stomach.  
The Egyptian .J. Anatomy: 1994 vol. 17 (1) : 135-146.
8. **M.H. AL-Muhtaseb** and M.Abu-Khalaf  
Regeneration of the Vagus nerve after Highly Selective  
Vagotomy, An Autoradiographic Study in the Ferret Stomach.  
Qatar University Science Journal 1995 vol. 15 (1) : 157-162.
9. **M.H. AL-Muhtaseb**  
An Ultrastructural Study of the Morphological Changes in the Myenteric  
Ganglia of the Ferret Stomach following unilateral Vagotomy.  
Dirasat: 1995. vol 22 B (6) : 1397-1414.
10. **M.H. AL-Muhtaseb** and M. Abu-Khalaf  
Electron Microscopic and Autoradiographic Studies of the Myenteric Ganglia  
of the Ferret Stomach after Highly Selective Vagotomy.  
The Egyptian .J. Anatomy 1995. vol 18 (2) : 265-279.
11. **M.H.AL-Muhtaseb**

- The Ultrastructural Study of the Gastric Mucosa and H.pylori  
In Peptic Ulcer Patient. 1996  
Accepted in the Proceeding of the twentieth Annual Scientific  
Conference of the Egyptian Anatomical Society. 12/12/1996
12. **M.H. AL-Muhtaseb** and Khalid ALAli  
Microscopic Study of the Rabbit Pancreas after Vagotomy  
Qatar University Science Journal 1997. Vol. 17(1) : 127-131
  13. **M.H. AL-Muhtaseb**  
Ultrastructure of the Ferret Nodose Ganglia  
Dirasat 1998. Vol 25 (2): 130-137
  14. **M.H. AL-Muhtaseb** and Helmi Ketani  
Electron Microscopic and Autoradiographic Analysis of  
the Distribution of the Vagus Nerve in the Ferret Stomach.  
Qatar University Science Journal 1999 vol 18 :111-121
  15. **M.H.AL-Muhtaseb**, Amer Abu Khalaf, Nazeeh AL-dweak and  
Saad AL-Kaabi  
A comparative Ultrastructural Study of the H.pylori in Duodenal Ulcer  
Patients before and after Treatment.  
Saudi Medical Journal, 1999. Vol 20 (8) 582-586.
  16. Adib A. Aughsteen, Jamal K. AL-Masad, **M.H. AL-Muhtaseb**.  
Fibroadenoma of the supernumerary breast of the axilla.  
Saudi Medical Journal, 2000. Vol 21 (6): 587-589.
  17. **M.H. AL-Muhtaseb**, Amer M. Abu-Khalaf, Adib A. Aughsteen.  
Ultrastructural study of the gastric mucosa and helicobacter pylori in duodenal  
ulcer patients.  
Saudi Medical Journal, 2000. Vol. 21 (6): 569-573.
  18. **M.H.AL-Muhtaseb**, Amer M. Abu-Khalaf, Darwish H. Badran.  
Eradication of Helicobacter Pylori Infection in Gastritis and Duodenal Ulcer  
Patients: An Ultrastructural Study.  
Dirasat, Medical and Biological Sciences, 2002. Vol. 29, No. 1&2.
  19. **M.H AL-Muhtaseb**,A. Desse , Sabah Al- Muhtaseb. Microscopic Study of  
Rat pancreas after sympathectomy.jordan medical journal ,2013. Vol 47, No 2.
  20. Kalbouneh HM, Alajoulin O, Alsalem M, Mansour Y, Shawaqfeh  
J, Altarawneh T, Alhusni D, **Al-Muhtaseb MH**. Incidence of symptomatic  
os trigonum among nonathletic patients with ankle sprain. Surg Radiol  
Anat. 2019 Dec;41(12):1433-1439.
  21. **M.H AL-Muhtaseb**, Hind M.Mohtaseb, Tala R Khouri. Microscopic study of  
the rat pancreas after denervation. European journal of anatomy. 2020  
.24(1):01-07



22. Alkaloids from *Peganum harmala* attenuated contractile responses of vascular smooth muscle cells Mohamed K Al-Essa<sup>1</sup> \*, Eman Alefishat<sup>2-4</sup> , Sawsan AbuHamdah<sup>4,5</sup>, **Mohammed H Al-Muhtaseb<sup>1</sup>** , Darwish H Badran<sup>1</sup> , Mhd Tareq Wahbi<sup>1</sup> , Rima Altaweel<sup>1</sup> , Amjad T Shatarat<sup>1</sup> <sup>1</sup>School of Medicine, The University of Jordan, Amman, Jordan, <sup>2</sup>College of Medicine and Health Science, <sup>3</sup>Center for Biotechnology, Khalifa University of Science and Technology, Abu Dhabi, United Arab Emirates, <sup>4</sup>School of Pharmacy, The University of Jordan, Amman, Jordan, <sup>5</sup>College of Pharmacy, Al-Ain University, Abu Dhabi, United Arab of Emirates \*For correspondence: Email: malessa@ju.edu.jo; Tel: +962-5355000 ext 23477 Sent for review: 28 April 2023 Revised accepted: 6 October 2023
23. MICROSCOPIC STUDY OF THE INTRAPANCREATIC GANGLIA AND ITS EFFECT ON THE ENDOCRINE AND EXOCRINE PART OF RAT PANCREAS **M. H. AL-Muhtaseb<sup>\*</sup>** <sup>1</sup> , Afnan Z. Zetawi<sup>2</sup> and Hussam H.Alhawari<sup>3</sup> <sup>1</sup> Professor at The Faculty of Medicine, the University of Jordan, Jordan. <sup>2</sup>Department of anatomy and histology, University of Jordan, MD, MSC. <sup>3</sup>Associate Professor of Medicine, Internal medicine department, University of Jordan, School of Medicine.

### **SCIENTEFIC CONGRESSES AND MEETINGS:**

1. The first national conference on medical education Nov. 6th 1986-Jordan (**participation**).
2. The second scientific conference of the faculty of Medicine and Pharmacy April. 12. 1988-Jordan (**Attendance**).
3. Lasers in science and technology (participation) Oct. 14-19, 1989 Jordan.
4. First international Jordanian symposium on communication disorders May. 7-9,1990 Jordan (**participation**).
5. The twenty sixth Arab medical congress and the seventh Jordanian medical congress May. 23-25, 1990-Jordan (**Attendance**).
6. The Scientific day of the Medical School 15/4/1992 "Anterograde Labeling of Vagal Efferent Fibers in the Myenteric Ganglia of the Ferret Stomach as Demonstrated by autoradiography" (**paper presentation**)
7. The Jordanian Society of Surgeons The Twentieth Annual Scientific Congress 25-26/6/1992 "An Autoradiographic Study of the Distribution of the Vagus Nerve in the wall of the Ferret Stomach" (**paper presentation**).
8. The Jordanian Society of Gastroenterology the First Annual Congress 9-11/9/1992. "Sprouting of the Vagus Nerve after Highly Selective

- Vagotomy, an Autoradiographic study" (**paper presentation**).
9. The Syrian Society of Gastro-enterology. The ninth Annual congress, Hims 28-30 April 1993. "Regeneration of the Vagus nerve after Highly Selective Vagotomy,an autoradiographic study" (**paper presentation**).
  10. The 2nd international Jordanian symposium on communication Disorders May. 11-13, 1993 (**Attendance**).
  11. The Egyptian Anatomical Society. The Seventeenth Annual Scientific Conference. AL-Azhar University 7-9 April 1994.  
"Sprouting of the Vagus Nerve after Highly Selective Vagotomy,an Autoradiographic study" (**paper presentation**).
  12. The 2nd congress of the Jordan Association of Surgeons, the 2nd Gastrointestinal and liver congress of the Jordanian Society of Gastroenterology. The 2nd Jordanian German Medical congress, 31st of August-2nd September, 1994 (**Attendance**).
  13. The 2nd Annual congress of the Jordanian Society of Gastroenterology, Jordan- Amman 30/8-1/9/1995 (**Attendance**).
  14. The Egyptian Anatomical society. The nineteenth Annual Scientific Conference Faculty of Medicine-Al-Azhar university 12/12/1995.  
"The ultrastructural study of the morpholgical changes in the myenteric ganglia of the ferret stomach following unilateral vagotomy" (**paper presentation**).
  15. International Conference on Endocrinology.  
Qatar-Doha 12-14/4/1996 (**Attendance**).
  16. The First Qatar Sports Medicine Conference.  
Qatar-Doha November 27-29/1996 (**Attendance**).
  17. The Egyptian Anatomical Society, the twentieth Annual Scientific Conference 12/12/1996.  
"The ultrastructural study of gastric mucosa and H.pylori in peptic ulcer patient" (**paper presentation**).
  18. International Symposium on Emergency Trauma Care.  
Doha-Qatar February 18-20,1997 (**Attendance**).
  19. Recent Advances in laboratory Medicine & Pathology.  
Doha-Qatar April 5-7/1997 (**paper presentation**).
  20. First Qatar International Pediatric Conference Hamad Medical Corporation.  
Doha-Qatar December 15-17/1997 (**Attendance**).
  21. The First International Conference of the Faculty of Medicine and the Third International Conference of the German-Arab Medical Association University of Jordan Oct. 17-19/1998 (**Attendance**).
  22. The Syrian Society of Gastroenterology, the fifteenth Annual Congress-Hims April. 28-30/1999 (**Paper presentation**).

23. The 2nd Jordanian-Iraqi congress, the 14<sup>th</sup> annual scientific day of the faculty of medicine-Jordan university of science & technology 10-12/4/2000 (**paper presentation**).
24. The Supreme council of science holds the (**40<sup>th</sup> science week**) Syria-Lathekia 4-9 November /2000 (**paper presentation**).
25. The supreme council of sciences holds the (**41<sup>th</sup> science week**). Conference of Biotechnology at the auditoria of damascus university & Alassad university hospital 3-5 November 2001 Syria-Damascus.
26. International seminar on human Genome Diversity in Islamic countries 7-8 May 2002 Tehran-Iran.
27. Summer course a collaborative activity expanding horizons in problem based learning in Medicine 16-27 June 2003. Maastricht university/Faculty of medicine/ Netherlands.
28. The second conference of faculty of medicine / university of Jordan and the fifth conference of the arab medical schools April 18-20/2009
29. The scientific day of the faculty of medicine / university of Jordan April 4<sup>th</sup> 2011.
30. The scientific day of the faculty of medicine / university of Jordan April 11<sup>th</sup> 2019 (**paper presentation by graduated students and committee exam**) .

### **CURRENT RESEARCH:**

1. Investigation of the Afferent Connections of the Vagus Nerve of the Ferret Using Autoradiographic Techniques at Light and Electron Microscopic Levels.  
Dr. M.H. AL-Muhtaseb/Department of Anatomy.
2. Brain cells Transplant in the Rat.  
Dr. M.H. AL-Muhtaseb/Department of Anatomy & Dr. Tamimi/Department of Neurosurgery.
3. Ultrastructural Changes of the Gastric Mucosa in the Upper Gastro-Intestinal Diseases and after Highly Selective Vagotomy.  
Dr. M.H. AL-Muhtaseb/Department of Anatomy & Dr. A. Abu-Khalaf/Gastroenterologist.
4. Ultrastructural Study of the Gastric Mucosa and Helicobacter Pylori in Cancer Stomach  
Dr. M.H. Muhtaseb/Department of Anatomy
5. Effect of vagotomy and sympathectomy on rat pancreas, an ultrastructural study.  
Dr. M.H. Al-Muhtaseb/Department of Anatomy & Dr. Ahmad Desi/Faculty of Science- University of Jordan.
6. study of the structure of the enteric plexus of the rat pancreas.