

# *Curriculum vitae*

## **Prof. Dr. Omar M. Atrooz**

### **Personal Data**

Name: Omar M. Atrooz  
Date of birth: 10.09.1964  
Place of Birth: Dair Abu Said-Irbid  
Nationality : Jordanian  
Marital Status: Married



**Web site:** [https://academic.mutah.edu.jo/omar\\_f/sitepages/Home.aspx](https://academic.mutah.edu.jo/omar_f/sitepages/Home.aspx)

### **Address:**

#### **a) Mailing Address:**

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Jordan. Mobile (Phone) : 00962797127237

**b) E-mail:**[omihandd@yahoo.com](mailto:omihandd@yahoo.com); [omar\\_atrooz@hotmail.com](mailto:omar_atrooz@hotmail.com); [omar\\_f@mutah.edu.jo](mailto:omar_f@mutah.edu.jo)

### **Education:**

**PhD** : Biochemistry & Biotechnology  
Moscow State Academy of Fine Chemical Technology  
1995 – Moscow, Russia.

**BSc** : Medical Technology, Faculty of Medicine  
Jordan University of Science & Technology  
1988-Irbid, Jordan.

### **Academic Status:**

2019- Present Full-time Professor. Dep. of Biological Sciences, Mutah University.  
2018-2019 Full-time Professor. Department of Medical Laboratory Sciences, Jordan  
University of Science and Technology (JUST) (Jordan)/Sabbatical leave.  
2015-2016 Dean of Faculty of Pharmaceutical Sciences, Mutah University.  
2014-2015 Dean of Faculty of Science, Mutah University.  
2013-2015 Full-time Professor. Head of Medical Laboratory Sciences Department, Mutah  
University.  
2011-2012 Full-time Associate Professor. Faculty of medicine, Najran University/  
Sabbatical leave.  
2008-2011 Full-time Associate Professor. Department of Biological sciences, Mutah  
University.  
2006-2008 Full-time Associate Professor. Collage of Health Sciences, Abha-Saudi  
Arabia/ Sabbatical leave.  
2004-2006 Full-time Associate Professor. Department of Biological sciences, Mutah  
University.

- 2002-2004 Full-time Assistant professor. Princess Muna College of Nursing, Mutah University.
- 1998-2002 Full-time Assistant professor. Department of Biological sciences, Mutah University.
- 1996-1998 Full-time Assistant professor. Collage of Medical Sciences, Al-Isra University

#### **Professional Experience:**

- 2015-2016** Dean of Faculty of Pharmaceutical Sciences, Mutah University.
- 2014-2015** Dean of Faculty of Science, Mutah University.
- 2013-2015** Head of Medical Laboratory Sciences Department, Mutah University.
- 2011-2012** Academic advisor of Clinical Laboratory Sciences Department, Najran University.
- 2008-2009** Head of Department of Biological sciences, Mutah University.
- 2006-2008** Head of Medical Laboratories Department, Collage of Health Sciences/Abha-Saudi Arabia.
- 2002-2004** Assistant Dean/Princess Muna College of Nursing, Mutah University.
- 1996-1998** Head of Medical Sciences Department, Al-Isra University.
- 1995-1996** Head of the Quality Control & Research Department, Diamond Company/Jordan.

#### **Courses Taught:**

- Biochemistry (Theory and practical)
- Hematology (Theory and practical)
- Immunology (Theory and practical)
- General Biology((Theory and practical)
- Biochemistry Lab.
- Medical Analysis
- Clinical Chemistry (Theory and practical)
- Advanced Immunology (master)
- Advanced Biochemistry (master)
- Advanced Biochemistry (at Jordan University of Science and Technology) (master)
- Advanced Clinical Biochemistry (at Jordan University of Science and Technology) (master)
- Advanced Clinical Biochemistry (at Jordan University of Science and Technology) (master)
- Molecular Biology (Theory and practical) (at Najran University, Saudi Arabia)
- Seminar

#### **Committee Member:**

1. Dean of Faculty of Pharmaceutical Sciences, Mutah University.
2. Dean of Faculty of Science, Mutah University.
3. Head of Medical Laboratory Sciences Department, Mutah University.
4. Head of the Department of Biological Sciences/ Mutah University, 2009-2010.
5. Head of the Department of Medical Laboratories/ Collage of Health Sciences/Abha- Saudi Arabia, 2008. (During sabbatical leave).
6. Member of the Faculty of Sciences Council/ Mutah University, 2005-2006.
7. Assistant Dean of Collage of Princess Muna for Nursing, 2002-2004.
8. Member of Collage of Princess Muna College of Nursing Council/ Mutah University, 2002-2004.
9. Member of Different Committees in the Department of Biological Sciences/ Mutah University, 1999-2005.
10. Member of Editorial Board of Mutah Magazine, 2000-2001.
11. Supervisor for more than 25 master students in the Department of Biological Sciences/Mutah University.

12. Member of Dissertation Committees of the master degree in the Department of Biological Sciences/ Mutah University.
13. Member of many Dissertation Committees of master degree in different universities (External Examiner).
14. Reviewer of the Academic Promotion of King Abdul-Aziz University.
15. Reviewer of Journal of Food Biochemistry.
16. Supervising the training medical laboratories students in various governmental and educational hospitals in Jordan and Saudi Arabia.

### **Most Recent Activities:**

Scientific visit to the Sapienza University of Rome, Italy, Department of Chemistry and Technologies of Drugs. The visit to Prof. Bruno Botta Lab. A joint research project during research visit on summer 2022/2023 for two months 16/07/2023 -15/09/2023. "Synthesis of new host-guest complexes of calixarene-based macrocycles by using bioactive molecules from Jordanian plant extracts". Also the visit included training on the synthesis of host – guest complexes and characterization by NMR, U-HPLC, LC-MS.

Scientific visit to the Hirszfeld Institute of Immunology and Experimental Therapy, Wroclaw, Poland on 19-24 July 2023.

Scientific visit to the Department of Biochemistry, Faculty of Veterinary Medicine, Ankara University, Turkey on 15-18 June 2023.

e-COST member (European Cooperation in Science & Technology). COST Action CA19105, WG3 and WG4. Pan-European Network in Lipid omics and EpiLipidomics (EpiLipidNET).

### **Research Interest:**

**1. Host-guest complexes (macrocycles) (supramolecular chemistry).** Calixarenes are consider the third generation of host molecules (supramolecular chemistry) following the crown ether and cyclodextrin. They are easily synthesized by the condensation reactions of phenols with aldehydes. The aim of this study, is to use a new approach for the efficient separation of specific classes of secondary metabolites extracted from selected medicinal plants by calixarenes-based macrocycles. The extraction will be based on host-guest interactions between the Calixarene receptors and natural compounds or biomolecules present in the plant extract. Furthermore, characterization of the new model system of macrocycles and the biological activity will be investigated.

**2. Nanoparticles (Green Technology) & Nanotechnology (Nanoliposomes):**

Formation of new models of nanoliposomes and Nanoparticles. Interaction of nanoliposomes with blood cells and body tissues, and assessment for antiproliferative activity against different cancer cell lines, and other diseases especially Covid-19.

**3. Enzymatic Studies:**

Extraction, Isolation, purification, enzyme kinetics, enzyme inhibition, enzyme immobilization, effects of heavy metals on antioxidant enzymes.

**4. Metabolomics.**

**5. Phyto-Biochemical Studies:**

Medicinal plants, Bioactive compound, Antioxidant activity, flavonoids content, polyphenolic content, reducing power, antihemolytic activity, antibacterial activity, antifungal activity.

#### **6. Industrial-Medicinal-Environmental Studies:**

The studies are concentrated on Delactosed milk and whey, treatment of the waste products of whey industries, and on galcto-oligosaccharides.

#### **Language Skills:**

Arabic Native  
English Very good  
Russian Very good

#### **Editorial board and Reviewer of the following journals:**

OnLine Journal of Biological Sciences  
Asian Journal of Applied Chemistry Research  
Asian Journal of Research in Biology  
Current Chemical Biology  
Current Chemical Biology  
Future Medical Biochemistry  
International Journal of Health & Allied Sciences  
Journal of Medical Biochemistry  
Journal of Herbal Medicine  
Journal of Pure and Applied Microbiology  
Protoplasma  
Food Frontiers  
Discover Applied Sciences  
Asian Council of Science Editors  
Sumerianz Journal of Biotechnology  
American Journal of Food Technology  
Asian Journal of Biochemistry  
Asian Journal of Scientific Research  
Asian Journal of Biological Sciences  
American Journal of Biochemistry and Molecular Biology  
Madridge Journal of Case Reports & Studies  
Madridge Journal of Analytical Sciences and Instrumentation  
Journal of Thermal Analysis and Calorimetry  
Microbes and Infectious Diseases  
SCIENCEDOMAIN international  
Cumhuriyet Science Journal  
Asian Journal of Advanced Research and Reports.  
Journal of Pharmaceutical Research International.

#### **Membership:**

Euro Fed Lipid  
Asian Council of Science Editors  
Amnesty International  
International Natural Product Sciences Taskforce (INPST)  
Metabolomics Society  
Biochemistry Professionals Social Network

Jordanian Association of Medical Sciences  
The National Society for Phenylketonuria  
The Science Advisory Board  
International Professors Project  
The Teaching Professors  
China Pharma Biotech Professors Network  
Environmental Science Student Group-International Professors Projects

## **Scientific Visits**

1. Scientific visit to the Sapienza University of Rome, Italy, Department of Chemistry and Technologies of Drugs. The visit to Prof. Bruno Botta Lab. A joint research project between Prof. Omar Mohammad Atrooz and Prof. Bruno Botta during research visit on summer 2022/2023 for two months 16/07/2023 -15/09/2023. "Synthesis of new host-guest complexes of calixarene-based macrocycles by using bioactive molecules from Jordanian plant extracts". Also the visit included training on the synthesis of host-guest complexes and characterization by NMR, U-HPLC, LC-MS.
2. Scientific visit to the Hirsfeld Institute of Immunology and Experimental Therapy, Wroclaw, Poland on 19-24 July 2023. A collaborative research project with Prof. Joanna Wietrzyk on performing the analysis of some Jordanian plant samples for the anti-proliferative activities and effects on cell cycles (Anti-tumor activities) on different cancer cell lines, in addition, a training and practice on some selected instruments and devices.
3. Scientific visit to the Department of Biochemistry, Faculty of Veterinary Medicine, Ankara University, Turkey on 15-18 June 2023. A collaborative research project with Prof. Hamdi Uysal on training and practice on Scanning Electron Microscope and Dynamic Light Scattering.
4. Scientific visit for teaching: Erasmus + Program Staff Mobility for Teaching (Teaching Activity at Ataturk University, Turkey) June 14 -21,2022.
5. Scientific visit to Laboratory of Experimental Anticancer Therapy Herzfeld Institute of Immunology and Experimental Therapy during the second semester, on 10 February to 22 May 2017. Wroclaw, Poland.
6. Scientific visit to the Department of Pharmacology and Immunotherapy, Veterinary Research Institute. 4- 18 September 2015, Brno, Czech Republic.
7. Scientific visit to the Department of Lipid and Liposome, Faculty of Biotechnology, 1-24 September 2002, Wroclaw, Poland.

## **Grants and Funds**

1. Antioxidant activity of extracts obtained from different oilseeds and formation of highly stable liposomes (in vitro). 2003-2004 (closed) Amount 5000 \$; Supported

by Deanship of Scientific Research, **Mutah University, Jordan** and Department of Lipid and Liposome, **Wroclaw University**.

2. Incorporation of Different Active Compounds Extracted from Different Plant Seeds into Phosphatidylcholine Liposomes. 2009-2012 (closed) Amount 4300 \$; Supported by Deanship of Scientific Research, **Mutah University, Jordan**.
3. Trends of using  $\beta$ -Galactosidase Extracted from Different Plants in Preparation of Delactosed Milk and Whey. 2014-2016 (closed) Amount: 14300 \$; Supported by Deanship of Scientific Research, **Mutah University, Jordan**.
4. Assessment of Antioxidant, Antibacterial, Antihemolytic and Anti-Proliferative Activities of Green Synthesized Silver Nanoparticles Using Different Plant Extracts. 2021-2023 (open) Amount: 8500 \$; Supported by Deanship of Scientific Research, **Mutah University, Jordan**.
5. "Synthesis of new host-guest complexes of calixarene-based macrocycles by using bioactive molecules from Jordanian plant extracts". Scientific visit to the Sapienza University of Rome, Italy, Department of Chemistry and Technologies of Drugs. A joint research project during research visit on summer 2022/2023 for two months 17/07/2023 -15/09/2023.

### **Honored courses:**

**Food for Thought:** a course of study offered by McGill, an online learning initiative of McGill University through edX.

**Genomic Medicine Gets Personal:** a course of study offered by Georgetown, an online learning initiative of Georgetown University through edX.

**Aware of Confidence (TLC 100):** EDRAAK

**Children's mental health (CMH 100):** EDRAAK

**A successful CV (BA\_102):** EDRAAK

**Virtual Events and Webinars:** About 80 Certificates of participation in International virtual events and webinars 2020-2023.

### **Certificates and Workshops (Training) programs:**

**10th Workshop in Lipidomics: Lipidomics in health & disease.** 6<sup>th</sup> April 2022. Zoom online meeting 14:30-17:30 (Lisbon time).

**10th Workshop in Lipidomics: MARINE LIPIDOMICS.** March 30th 2022. Zoom online meeting 14:30-17:20 (Lisbon time).

**10th Workshop in Lipidomics: FOOD LIPIDOMICS.** March 23rd 2022. Zoom online meeting 14:30-17:00 (Lisbon time).

**7th EpiLipidNet Working Group 3 meeting (via Zoom).** WORKING GROUP APPLICATION (WG3) CA19105 - Pan-European Network in Lipidomics and EpiLipidomics. Monday, March 14, 2022.

**The occurrence and fate of pharmaceutical residues from their sources to water bodies and food chain.** Which was held virtually via zoom application at 10 am on Tuesday 6 April 2021. U.S. National Academy of Science funds this project. Royal Scientific Society, Amman, Jordan.

**Using Advanced Mass Spectroscopy Technologies in Clinical and Forensic Applications.** Wednesday, 1st November 2017, At InterContinental Amman / Ayla Hall. In cooperation between SCIEX and Taawon Company. Jordan.

**Quality and Accreditation Standards for Academic Programs** held in cooperation with the Scientific Association of Colleges of Science 28 April 2015. Qatar University, Qatar.

**Nanoscopy and Scientific Applications in Material and Biological Sciences.** Nanoscopy science Center; Faculty of Science, Kuwait University 9-12 March 2015.

**UNESCO Ethics Teachers' Training Course.** 19-23 October 2014. The Hashemite University, Jordan.

**Guidance and supervision of the books** written on Life Sciences at the Ministry of Education 2014.

**Writing competitive research projects:** 10 training hours, 2012. Najran University. Saudi Arabia.

**The use of technology in teaching:** 10 training hours, 2012. Najran University. Saudi Arabia.

**Systems of examinations and student assessment:** 10 training hours, 2012. Najran University. Saudi Arabia.

**Practical Workshop: How to write a successful scientific project.** Held in cooperation between The Higher Council for Science and Technology (HCST) and Development Center (Mutah University) 17 and 24 February 2010. Mutah University, Jordan.

**Certificate of permission for Mr. Omar Mohammad Atrooz to practice the profession of medical laboratory technician.** Ministry of Health, 2018, Jordan.

**Certificate: Mutah University Computer Driver License Course Requirements (ICDL).** Offered by the Faculty of Development Center at Mutah University during 10 October 2004-12<sup>th</sup> January 2005. Jordan.

**Certificate: Statistical Packages for Social Sciences.** Offered by the Faculty of Development Center at Mutah University during 17<sup>th</sup> July-9<sup>th</sup> August 2005. Jordan.

**Certificate: MUNTEL Course Requirements (INTEL).** Offered by the Faculty of Development Center at Mutah University during 18<sup>th</sup> July-18<sup>th</sup> August 2005. Jordan.

### **Scientific Networking Sites:**

**Website:** [https://academic.mutah.edu.jo/omar\\_f/sitepages/Home.aspx](https://academic.mutah.edu.jo/omar_f/sitepages/Home.aspx)

**Website:** [https://academic.mutah.edu.jo/omar\\_f/sitepages/Home.aspx](https://academic.mutah.edu.jo/omar_f/sitepages/Home.aspx)

**Research Gate:** Prof. Omar M. Atrooz

[https://www.researchgate.net/profile/Prof\\_Omar\\_Atrooz?ev=hdr\\_xprf](https://www.researchgate.net/profile/Prof_Omar_Atrooz?ev=hdr_xprf)

**The Science Advisory Board website:** <https://www.scienceboard.net/>

**LinkedIn:** Prof. Omar Atrooz (<http://www.linkedin.com>)  
**Researcher ID:** <http://www.researcherid.com/rid/F-9110-2014>  
**ORCID:** Omar Atrooz (<http://orcid.org/0000-0003-0610-5201>)  
**Google Scholar Citation:** Prof. Omar M. Atrooz (<http://scholar.google.com/>)  
**Scopus:** Scopus Author Identifier - (Atrooz Omar).  
**Skill pages:** Omar Atrooz  
**Instagram:** [www.instagram.com/omihandd](http://www.instagram.com/omihandd)  
**Twitter:** [Prof. Omar Atrooz](#)  
**Academia.edu:** [www.mutah.academia.edu/profOmarAtrooz](http://www.mutah.academia.edu/profOmarAtrooz)  
**Blogs:** <https://atroozbiochemistry.blogspot.com/>  
**Skype:** Omar Atrooz  
**Live DNA Profile:** <http://livedna.org/962.11902>  
**Mendeley:** <https://www.mendeley.com/impact/omar-atrooz2/>  
**Web site:** [https://academic.mutah.edu.jo/omar\\_f/sitepages/Home.aspx](https://academic.mutah.edu.jo/omar_f/sitepages/Home.aspx)  
**Web of science research ID:** <https://publons.com/researcher/2527800/omar-atrooz>  
**Researchgate ID:** [https://www.researchgate.net/profile/Prof\\_Omar\\_Atrooz](https://www.researchgate.net/profile/Prof_Omar_Atrooz)  
**Zoom meeting:** <https://us04web.zoom.us/j/7572045483?pwd=NHF5dDlDlVjBCRDdiTEVDbHZlL3Bodz09>  
**SelectScience :** <https://www.selectscience.net/SSUserAcc.aspx>

### **Citation Indices:**

**Web of Science Researcher ID (publons):** Citation 130; h-index 8, verified reviews 72  
**Web of Science Researcher ID (publons):** [F-9110-2014](https://publons.com/researcher/2527800/omar-atrooz).publications:72.  
**Google Scholar:** Citations 644; h-index 13; i10-index 15  
**Researcher ID:** Research Interest Score 666; Citations: 467; h-index 12.  
**Scopus: Atrooz, Omar** Document: 45; Citation 382; h-index 10.  
**Mendeley: Omar Atrooz** Document: 45; Citation 382; h-index 10.  
**Reference Citation Analysis(RCA):** RCA ID: 00041361  
**SciProfiles: SciProfiles ID:** 3480322  
**Scholarly Community Encyclopedia:** Omar Atrooz  
**AD Scientific Index:** ID: 404443  
**Frontiers:** <https://www.frontiersin.org/my-frontiers/overview>  
**Loop profile:** 2012573  
**REVIEWER CREDITS:** <https://www.reviewercredits.com/user/omar-atrooz/>

### **URL Profiles:**

Scopus: <https://www.scopus.com/authid/detail.uri?authorId=16232161300>  
Blog: <https://atroozbiochemistry.blogspot.com/>  
Facebook: <https://www.facebook.com/omar.atrooz.7>  
Google Scholar: <https://scholar.google.com/citations?user=X73D2doAAAAJ&hl=en>  
ORCID: <https://orcid.org/my-orcid?orcid=0000-0003-0610-5201>  
Research Gate: <https://www.researchgate.net/profile/Prof-Omar-Atrooz>  
Twitter: <https://x.com/Omaratrooz>  
Reference Citation Analysis(RCA): <https://www.referencecitationanalysis.com/00041361>  
SciProfiles: <https://sciprofiles.com/profile/3480322>  
AD Scientific Index : <https://www.adscientificindex.com/citation-ranking/?q=Omar+Atrooz>  
Loop: <https://loop.frontiersin.org/people/2012573/overview>  
Reviewer Credits: <https://www.reviewercredits.com/user/omar-atrooz/>

## **Conferences:**

1. Potential of Phytonutrients: Innovations in Functional Foods, Supplements, and Active Food Packaging. 10-13 September 2025, Malta.
2. 4th International Congress of Veterinary Biochemistry and Clinical Biochemistry. 4-7 September 2025, Sivas, Turkey.
3. 2nd SFRRI Biennial Meeting 2025 "The New Era of Redox Biology: from Basic Biochemistry to Redox Omics". June 3-6, 2025 in Galway, Ireland.  
Atrooz, O., Younes, R., & Naik, R. (2025). Evaluation of antioxidant, anti-hemolytic, and anti-inflammatory activities of visceral fish by-product. *Free Radical Biology and Medicine*, 233, S92.
4. TAIEX Workshop on Knowledge Exchange for Biodiversity Utilisation towards Sustainable Agriculture Organised in co-operation with The National Agricultural Research Centre of Jordan 08 - 09 October 2024. Venue: Four Seasons Hotel Amman, 5th Circle, Al-Kindi Street, Amman, Jordan.
5. Jordan Nano-Symposium 2021 (Virtual) in March 16-18, 2021. Nanotechnology Center, Jordan University, Amman, Jordan.
6. The 2<sup>nd</sup> International Conference on "Veterinary Biochemistry and Clinical Biochemistry: Advances and challenges in understanding the mechanism of diseases" in October 24-26, 2019. Department of Biochemistry, Faculty of Veterinary Medicine of Ankara University in Turkey.
7. The 5<sup>th</sup> International Conference on Biochemistry and Molecular Biology. 15-17 March 2018 in Vienna, Austria at the Adagio Vienna City.
8. Health Informatics: A Critical Need in Jordan and Palestine (HI Cure). Scientific Day. 29 October 2017, Hashemite University, Jordan.
9. The International Dimension of Erasmus+ in Higher Education 2018. Monday, 9<sup>th</sup> October 2017. Le Royal Hotel, Amman, Jordan.
10. The Seventh Conference on Scientific Research in Jordan. Saturday, 14-11-2015. Middle East University.
11. The Second National Erasmus Plus Conference (Higher Education Cooperation Day), Monday, 9<sup>th</sup> November 2015. Jordan.
12. The First National Erasmus Plus Conference (Higher Education Cooperation Day), Monday, 8<sup>th</sup> December 2014. Le Royal Hotel Amman, Jordan.
13. The 1<sup>st</sup> Annual Scientific Day/ Clinical Laboratory Sciences Department, Najran University, 12<sup>th</sup> February 2012.
14. Amphiphiles and Their Aggregates in Basic and Applied Science. Wroclaw/Poland, May 2005.
15. The 1<sup>st</sup> Conference/ The 3<sup>rd</sup> Scientific day of faculty of Science and Arts. Jordan University of Science and Technology, 2000. Irbid, Jordan.
16. The 1<sup>st</sup> Conference in Biochemistry and Its Applications (CIBAIA). 2-3 November 1999, Yarmouk University, Irbid, Jordan.
17. The 8<sup>th</sup> Arab Conference of Clinical Biology/ The 1<sup>st</sup> Jordanian Conference of Medical Laboratory Science. 28 April- 1 May, 1997. Royal Cultural Center, Amman –Jordan.
18. . The Fifth National Congress of Organ Respiratory Diseases. 10-17 March 1995. Moscow, Russia.

19. The 3<sup>rd</sup> Liposome Research Day Conference. June, 1994. Vancouver, British Columbia, Canada,
16. The VI Symposium in Biochemistry of Lipids. October, 1994. San-Petersburg, Russia.

### **Published Articles**

Al-Kharabsheh M, Atrooz O, Naik RR. Characterization of *Mirabilis Jalapa* Seed Extract and Its Effect on Human Erythrocytes in Vitro. *World J Environ Biosci.* 2025;14(3):24-31. <https://doi.org/10.51847/SXo7IEc7XL>

Aleksandra Sęk, Silvia Cammarone, Rafał P. Kampa, Karolina Pytlak, Barbara Kalenik, Joanna Lewandowska, Francesca Ghirga, Isabell Romeo, Omar Atrooz, Piotr Bednarczyk, Adam Szewczyk, Bruno Botta, Deborah Quagli, Kulawiak. Regulation of mitochondrial potassium BK<sub>Ca</sub> channel by naringenin derivatives: application of a new cellular model. *European Journal of Medicinal Chemistry Reports.* 2025; 15:100304.  
<https://doi.org/10.1016/j.ejmcr.2025.100304>

Emma Camilleri, Renald Blundell, Tomasz M. Karpi, Jibanjyoti Panda. Pinku Chandra Nath, Yugal Kishore Mohanta, Edlira Aruci, **Omar M. Atrooz**. The therapeutic potential of Shiitake Mushrooms (*Lentinula edodes*). *Next Research.* 2025; 2: 100632. <https://doi.org/10.1016/j.nexres.2025.100632>

Maima Matin, Rajeev K. Singla,..... **Omar Atrooz**, ...et al. (2025). Health-promoting and medicinal properties of Zingiberaceae family plants: A minireview with a special focus on galangal, turmeric, cardamom, and ginger. *Current Research in Biotechnology.* Volume 10, 2025, 100329.  
<https://doi.org/10.1016/j.crbiot.2025.100329>

**Omar M. Atrooz.** (2025). Nanotechnology as a Tool for the Delivery of Food Supplements. *Potential of Phytonutrients, Conference Proceeding*, University of Malta. Malta University Distributors.

<https://www.um.edu.mt/events/potentialofphytonutrients2025/about/>

**Atrooz, O.,** Younes, R., & Naik, R. (2025). Evaluation of antioxidant, anti-hemolytic, and anti-inflammatory activities of visceral fish by-product. *Free Radical Biology and Medicine*, 233, S92.  
<https://doi.org/10.1016/j.freeradbiomed.2025.05.324>

**Atrooz, O.** & Tarawneh, H. (2025). Correlation of Some Biochemical Parameters between Serum and Saliva of Patients with Breast Cancer. *OnLine Journal of Biological Sciences*, 25(2),448-459.

<https://doi.org/10.3844/ojbsci.2025.448.459>

Hemanth Kumar Boyina, Sohini Chakraborty, **Omar M. Atrooz**, Olga Adamska, Krishna Sanka, Atanas G. Atanasov, Artur Stolarczyk, Hanish Singh Jayasingh Chellammal, Vimal Arora, Kiran Gangarapu, Agnieszka Kamińska, Szymon Rybicki, Andrew Lockley. 2025. Zingiberaceae wonders: the antioxidant powerhouse for optimal health. *Animal Science Papers and Reports* vol. 43 (2025) no. 1, 1-18 DOI: 10.2478/aspr-2025-0001

Rajeev K. Singla, Himel Mondal, Shailja Singla,..... **Omar M. Atrooz**.et al.2025. Exploring nutritional supplement use for countering respiratory tract infections through an X (formerly Twitter)-based survey. *Current Research in Biotechnology*. Volume 9, 2025, 100282

**Omar M. Atrooz** & Al-Zeidaneen, E. A. (2025). EVALUATION OF THE PROTEOLYTIC AND BIOLOGICAL ACTIVITIES OF THISTLE HONEY. *Journal of Microbiology, Biotechnology and Food Sciences*, 14(5), e10883. <https://doi.org/10.55251/jmbfs.10883>

Tarawneh, H. & **Atrooz, O.** (2025). Correlation of Some Tumor Markers Between Serum and Saliva of Patients with Breast Cancer. *OnLine Journal of Biological Sciences*, 25(1), 91-103. <https://doi.org/10.3844/ojbsci.2025.91.103>

Reihani, N., **Atrooz, O.**, Mozafari, M.R., Taghavi, E. (2024). Application of Nanocarrier Systems in Cancer Treatment. In: *Interdisciplinary Cancer Research*. Springer, Cham. [https://doi.org/10.1007/16833\\_2024\\_478](https://doi.org/10.1007/16833_2024_478).

**Omar M. Atrooz**, Waed H. AL-Naemat, Mohammad O. Atrooz. Insights on the Proteolytic and Biological Properties of Floral Honeys with Various Botanical Sources. *TROPICAL JOURNAL OF NATURAL PRODUCT RESEARCH* 2024;8. DOI: [10.26538/tjnpr/v8i10.21](https://doi.org/10.26538/tjnpr/v8i10.21).

**Atrooz OM**, Al-Awaida M, Al-Awaida W, Al-Ameer HJ, Uysal H. Evaluating the Antioxidant Capacity, Phenolic Contents, and Anticancer Potential of *Caralluma europaea* Extracts. *ADVANCEMENTS IN LIFE SCIENCES* 2024; **11:862**. DOI: [10.62940/als.v11i4.3296](https://doi.org/10.62940/als.v11i4.3296).

**Atrooz O**, Mumtaz S, Abood A, Atrooz A. Association of Celiac Disease and H. Pylori Infection with ATG5 Polymorphism and Interleukin-33. *ADVANCEMENTS IN LIFE SCIENCES* 2024; **11:849**. DOI: [10.62940/als.v11i4.3267](https://doi.org/10.62940/als.v11i4.3267).

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