



Maher Suleiman Salameh Obeidat

Associate Prof.

Department of Medical Laboratory Analysis
Faculty of Science, Al-Balqa Applied University

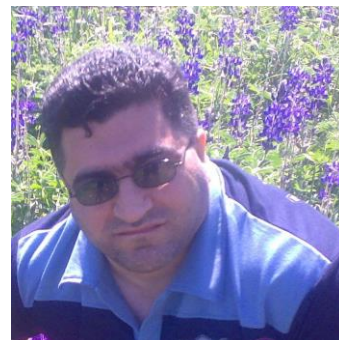
Mobile number: 00962775609846

E-mail address: obeidat@bau.edu.jo

Scopus ID: 6507788194

ORCID ID: 0000-0003-4309-3764

National Researcher Number: 8192



Education

2008	<p>Doctor of Philosophy, Microbiology and Cancer Therapy, University of Jordan, Amman-Jordan, 2008. <i>Thesis title:</i> Molecular Typing of Local <i>Bacillus thuringiensis</i> Strains and Determination of Their Parasporal Crystal Proteins Cytotoxicity Against Cancer Cells. <i>Supervisor:</i> Prof. Hala Khyami-Horani <i>Comprehensive/preliminary exam fields:</i> Microbiology, Immunology, Molecular Biology</p>
1999	<p>Master of Science, Microbiology and Biological Control, Jordan University of Science and Technology, Irbid-Jordan, 1999. <i>Thesis title:</i> Characterization of <i>Bacillus thuringiensis</i> Strains Isolated from Northern Jordan and Determination of Their Insecticidal Activity. <i>Supervisor:</i> Prof. Ismail Saadoun.</p>
1995	<p>Bachelor of Science, Applied Microbiology, Jordan University of Science and Technology, Irbid-Jordan, 1995.</p>

Research Experience

1999-2001	Research Assistant, Jordan University of Science and Technology, Irbid-Jordan.
-----------	--

Teaching Experience

2013-now	Associate Professor, Al-Balqa Applied University, Al-Salt-Jordan.
2008-2013	Assistant Professor, Al-Balqa Applied University, Al-Salt-Jordan.
2001-2008	Lecturer, Al-Balqa Applied University, Al-Salt-Jordan.
1996-2001	Teaching Assistant, Jordan University of Science and Technology, Irbid-Jordan.

Academic Memberships:

2016	Sabbatical leave; Deanship of Preparatory Year, Majma'a University, Majma'a-Saudi.
2009	The Training Course on Molecular Biology and Bioinformatics / Fulbright -Fayoum University, Egypt



Recent Publications

- 1 Saadoun, I., Al-Momani, F. and **Obeidat, M.** (2020). Optimal conditions, extraction, and partial purification of a potential novel antimicrobial compound produced by *Streptomyces* N-404 strain. *Asian Journal of Microbiology, Biotechnology and Environmental Sciences*, 22(3): 395-404.
 - 2 Haddad, M. A., Al-Dalain, S. Y., Al-Tabbal, J. A., Bani-Hani, N. M., Jaradat, D. M. M., **Obeidat, O.** and Al-Ramamneh, E. A.-D. (2019). *In vitro* antioxidant activity, macronutrients and heavy metals analysis of maize (*Zea mays L.*) leaves grown at different levels of cattle manure amended soil in Jordan valley. *Pakistan Journal of Botany*, 51(3): 933-940.
 - 3 **Obeidat, M.** and Sharab, A. (2018). Antimicrobial and anticancer activities of extracts from *Urginea maritima* fruits. *African Journal of Traditional, Complementary and Alternative Medicines*, 15 (1): 74-84.
 - 4 **Obeidat, M.** (2018). Antimicrobial activities from extracts of seven medicinal plant species against multidrug-resistant bacteria and fungi. *Journal of Pharmacognosy and Phytotherapy*, 10(3): 45-55.
 - 5 **Obeidat, M.** (2017). *In vitro* selective cytotoxicity of activated parasporal proteins produced by *Bacillus thuringiensis* serovars *kumamotoensis* and *tohokuensis* against human cancer cell lines. *African Journal of Biotechnology*, 16(47): 2181-2188.
 - 6 **Obeidat, M.** (2017). Cytotoxicity of n-butanol extracts of *Streptomyces* against human breast cancer cells. *International Journal of Pharmacology*, 13: 969-979.
 - 7 **Obeidat, M.**, Abu-Romman, S., Odat, N., Haddad, M., Al-Abbadi, A. and Hawari, A. (2017). Antimicrobial and insecticidal activities of n-butanol extracts from some *Streptomyces* isolates. *Research Journal of Microbiology*, 12: 218-228.
 - 8 **Obeidat, M.** (2017). Isolation and characterization of extremely halotolerant *Bacillus* species from Dead Sea black mud and determination of their antimicrobial and hydrolytic activities. *African Journal of Microbiology Research*, 11(32): 1303-1314.
 - 9 Haddad M. A., Al-Qudah, M. M., Abu-Romman, S. M., **Obeidat, M.** and El-Qudah, J. (2017). Development of traditional Jordanian low sodium dairy products. *Journal of Agricultural Science*, 9(1): 223-230.
 - 10 Awaisheh, S.S., **Obeidat, M.**, Al-Tamimi, H.J., Assaf, A.M., EL-Qudah, J.M., Al-khaza'leh, J.M. and Rahahleh, R.J. (2016). *In vitro* cytotoxic activity of probiotic bacterial cell extracts against Caco-2 and HRT-18 colorectal cancer cells. *Milchwissenschaft-Milk Science International*, (69): 27-31.
 - 11 Alwais, A. A., Hamad, A-W. R., **Obeidat, M.** and Al-Daghistani, H. I. (2016). Study the relationship between trace elements and hormones among Jordanian infertile women. *European Journal of Biomedical and Pharmaceutical Sciences*, 3(6): 589-598.
 - 12 Odat, N. A., Hasan, M. K., **Obeidat, M. S.**, Shatnawi, M. A., Abu-Romman, S. M., Qrunfleh, I. M. and Massadeh, M. I. (2015). Identifying selection signatures related to domestication process in barley (*Hordeum vulgare L.*) landraces of Jordan using microsatellite markers. *Jordan Journal of Biological Sciences*, 8(4): 307-3013.
 - 13 Odat, N., Hasan, H. S., **Obeidat, M.** and S. Aladaileh (2015). Relationships between species diversity and evenness of necrophagous Diptera and
-



- environmental conditions in three habitats of Jordan. *Journal of Entomology and Zoology Studies*. 3(5): 89-94.
- 14 Al-alawi, M. S., **Obeidat, M.** and R. Abbasi (2014). Evaluation of *Beauveria bassiana* (Balsamo) Vuillemin isolates against *Bemisia tabaci* Genn. (Homoptera: Aleyrodidae) based on laboratory and field efficacies. *Journal of Food, Agriculture & Environment*. 12(2): 478-481.
- 15 Al-Alawi M. S. and **Obeidat, M.** (2014). Selection of *Beauveria bassiana* (Balsamo) Vuillemin isolates for management of *Myzus persicae* (Sultzar) (Hom.: Aphidae) based on virulence and growth related characteristics. *American Journal of Agricultural and Biological Sciences*. 9(1): 94-100.
- 16 Hawari A. D., **Obeidat, M.**, Awaisheh, S. S., Al-Daghistani, H. I., Al-Abbadi, A. A., Omar, S. S., Qrunfleh, I. M., Al-Dmoor, H. M. and El-Qudah J. (2014). Prevalence of mastitis pathogens and their resistance against antimicrobial agents in Awassi sheep in Al-Balqa province of Jordan. *American Journal of Animal and Veterinary Sciences*, 9(2): 116-121.
- 17 Al-Momani, F. and **Obeidat, M.** (2013). Ecology, toxicity, and hydrolytic activities of *Bacillus thuringiensis* in forests. *Turkish Journal of Agriculture and Forestry*. **37**: 76-82.
- 18 Al-Abbadi, A., Hassawi, D., Abu-Mallouh, S., and **Obeidat, M.** (2013). Detection of sac brood and black queen cell viruses from honeybee colonies of Jordan using RT-PCR technique. *Jordan Journal of Agricultural Sciences*. 9(2): 201-210.
- 19 **Obeidat, M.**, Khyami-Horani, H. and Al-Momani, F. (2012). Toxicity of *Bacillus thuringiensis* β -exotoxins and δ -endotoxins to *Drosophila melanogaster*, *Ephestia kuhniella*, and human erythrocytes. *African Journal of Biotechnology*. **11(46)**: 10504-10512.
- 20 **Obeidat, M.**, Al-Zu`bi, E. and Otri, I. (2012). Rapid Detection of Bacterial Pathogens in Clinical Body Fluids by Nested PCR. *Biotechnology*. **11(2)**: 81-86.
- 21 **Obeidat, M.**, Khyami-Horani, H. Al-Zoubi A. and Otri I. (2012). Isolation, characterization, and hydrolytic activities of *Geobacillus* species from Jordanian hot springs. *African Journal of Biotechnology*. **11(25)**: 6763-6768.
- 22 **Obeidat, M.**, Shatnawi, M., Al-alawi, M., Al-Zu`bi, E., Al-Dmoor, H., Al-Qudah, M., El-Qudah, J. and Otri, I. (2012). Antimicrobial Activity of Crude Extracts of Some Plant Leaves. *Research Journal of Microbiology*. **7(1)**: 59-67.
- 23 Al-Qudah, M.M., El-Qudah, J.M., Al-Omran, H., Khataibeh, M.H., ALGroom, R.M. and **Obeidat, M.** (2012). Biochemical Alterations due to overcrowding stress induction in healthy albino rats. *Journal of Animal and Veterinary Advances*. **11(17)**: 3059-3063.
- 24 **Obeidat, M.** (2011). Antimicrobial activity of some medicinal plants against multidrug resistant skin pathogens. *Journal of Medicinal Plant Research*. **5(16)**: 3856-3860.
- 25 Sheyab, S., Shatnawi, M., Shibli, R., **Obeidat, M.**, Al-Shadaideh, A., Alhussaen, K., and Abu-Zahra, T. (2010). Micropropagation and medium term conservation of *Antirrhinum majus* L. *Jordan Journal of Agricultural Sciences*. **6(2)**: 171-182.



26	Obeidat, M. (2008). Toxicity of Local <i>Bacillus thuringiensis</i> isolates against <i>Drosophila melanogaster</i> . <i>World Journal of Agricultural Sciences</i> . 4(2) : 161-167.
27	Shatnawi, M., Shibli, R., Qrunfleh, I., Bataeineh, K. and Obeidat, M. (2007). <i>In vitro</i> propagation and cryopreservation of <i>Prunus avium</i> using vitrification and encapsulation dehydration methods. <i>Journal of Food, Agriculture & Environment</i> . 5(2) : 204-208.
28	Obeidat, M., Hassawi, D. and Ghabeish, I. (2004). Characterization of <i>Bacillus thuringiensis</i> strains from Jordan and their toxicity to the Lepidoptera, <i>Ephestia kuehniella</i> Zeller. <i>African Journal of Biotechnology</i> . 3 (11) : 622-226.
29	Al-Momani, F., Obeidat, M., Saadoun, I. and Meqdam, M. (2004). Serotyping of <i>Bacillus thuringiensis</i> Isolates, their distribution in different Jordanian habitats and pathogenicity in <i>Drosophila melanogaster</i> . <i>World Journal of Microbiology and Biotechnology</i> . 20 : 749-753.
30	Al-Momani, F., Obeidat, M. and Saadoun, I. (2002). Molecular characteristics of local <i>Bacillus thuringiensis</i> strains recovered from northern Jordan. <i>Journal of Basic Microbiology</i> . 42(2) : 156-161.
31	Saadoun, I., Al-Momani, F., Obeidat, M., Meqdam, M. and Elbetieha, A. (2001). Assessment of toxic potential of local Jordanian <i>Bacillus thuringiensis</i> isolates on <i>Drosophila melanogaster</i> and <i>Culex</i> . <i>Journal of Applied Microbiology</i> . 90 : 1-7.
32	Obeidat, M., Al-Momani, F. and Saadoun, I. (2000). Diversity of <i>Bacillus thuringiensis</i> in different habitats of northern Jordan. <i>Journal of Basic Microbiology</i> . 40 (5-6) : 385-388.

Conferences/ Workshops/ Seminars:

2018	Workshop on Jordan Universities Biorisk Management Curriculum Development / U.S. Department of State Biosecurity Engagement Program (BEP) and Sandia National Laboratories International Threat Reduction Program (SNL/IBTR)
2018	Workshop on Tips and Tricks to Improve your Research / Thermofisher Scientific-U.S.
2017	Unpaid Scientific Vacation; Deanship of Preparatory Year, Majma'a University, Majma'a-Saudi.
2015	Workshop on 3M Food Safety and Hygiene Products / Amman
2014	Promoting Ethical Values and Responsible Conduct in International Research / Jordan University
2005	The International Conference on Agriculture / Al-Balqa Applied University
2001	The International Conference on Biotechnology / Al-Balqa` Applied University, Jordan
1999	The 2nd Conference for Faculty of Sciences / Jordan University of Science and Technology, Jordan
1996	The 8th Arab Conference for Sciences / Jordan University, Jordan

Supervised Doctoral & Master Theses:

Master



2009	Renad Hijawi, Molecular Characterization of Local <i>Streptomyces</i> Isolates and Determination of their Antimicrobial, Insecticidal, and Anticancer Activities, Al-Balqa Applied University
2010	Belal Al-Shomali, Isolation and Molecular Characterization of Thermophilic Bacteria from Jordanian Hot Springs and Determination of their Hydrolytic and Leukemia Cytotoxic Activities, Al-Balqa Applied University
2013	Ahmad Sharab, Molecular and Biochemical Characterization of Cytotoxic Activity of Some Medicinal Plant Extracts against Breast Cancer Cells, Al-Balqa Applied University
2013	Taha Err, Investigation the Activities of Selected Medicinal Plant Extracts against Pathogenic Bacteria and Colorectal Cancer, Al-Balqa Applied University
2014	Ayah Waisi, Study the Biochemical Changes in Trace elements, Enzymes and Hormones among Jordanian Infertile Women, Al-Balqa Applied University Mohammad Abbadi, Micropropagation and antimicrobial activity of some medicinal plants in Jordan, Al-Balqa Applied University
2015	Manal Jarrar, Genetic analysis of obesity-related genes among Jordanians, Al-Balqa Applied University

Research Grants

2008-2010	Isolation, Identification and Development of Entomopathogenic Fungi for Biological Control of Greenhouse Pests in Jordan. The Scientific Research Fund, Ministry of Higher Education and Scientific Research, Jordan, Grant number Z, B/1/06/2008. Budget: 64,000 JD
2009-2011	Isolation, Identification, and Cytotoxicity Determination of Local <i>Streptomyces</i> , <i>Bacillus</i> , and Extremophilic Species against Cancer Cells. The Scientific Research Fund, Ministry of Higher Education and Scientific Research, Jordan, Grant number M-Ph/2/14/2008. Budget: 112,000 JD
2012	Molecular Characterization of Local <i>Streptomyces</i> Isolates and Determination of Their Cytotoxicity against Breast Cancer Cells. Abdul Hameed Shoman Fund for Supporting Scientific Research. Budget: 11,800 JD
2013	Probiotic anti-carcinogenic effects on different human carcinoma cell line mainly colorectal cell lines. Abdul Hameed Shoman Fund for Supporting Scientific Research. Budget: 15,000 JD
2015	Molecular and Biochemical Characterization of Cytotoxic Activity of Some Medicinal Plant Extracts against Cancer Cells. Deanship of Scientific Research, Al-Balqa Applied University. Budget: 3,000

References

1	Hala Khyami-Horani, Prof., University of Jordan, Contact number: 00962798333222 Email: horani-h@ju.edu.jo
2	Fouad Al-Momani, Prof., Jordan University of Science and Technology, Contact number: 00962776672251 Email: fouad57@just.edu.jo
3	Mohammad Shatnawi, Prof., Al-Balqa Applied University, Contact number: 00962790568996 Email: m.shatnawi@bau.edu.jo