

Curriculum Vitae

Prof. Adel Mahasneh

(*Environmental Microbiology and Biotechnology*)

University of Jordan, Amman, Jordan

Name **Adel M. Mahasneh**

Date of Birth **16.12.1945**

Place of Birth **Kofor- Khal, Jordan**

Qualifications **B. Sc Biology, University of Jordan 1969**

MSc. Microbiology, Heriot – Watt Univ, 1975. Edinburgh Scotland-UK.

Ph.D. Microbiology,1977, Edinburgh. Scotland –UK

Personal **Married to : Raja Mahasneh (Social sciences Graduate) Residence: AL – jubiha, Abu-Raihana Street, No.7.**

Children: 4 Daughters: Shera, Seam and a twin leen and Serene 2 boys: Sari and Awn

Hobbies and Activities

- **Wish to be close to nature through hill walking , horse-riding , gardening etc....**
- **Listening to classical music (though not very often)**
- **Involvement in the national concerns through follow-up of the local and international affairs.**

Motto: **“ if you can't beat power use you wisdom “**

Address **Tel : 9626-5355000/fax(962-6)5348932**

Current Positions **e- mail: amahasneh@ju.edu.jo
Professor of Environmental Microbiology**

Other Positions

since 1987

At the University of Jordan and others

- *Acting president Jan 2002*
- *Vice President for Administrative affairs 2001-2002*
- *Acting Vice president during summers of ,1995,1996,1997*
- Chairman of Unified admission office for official Jordanian Universities 2001/2002.
- Member of the special case Badia schools placement committed (2001/2002).
- Dean of Faculty of science (1993-1997).Uni. of Jordan
- Chairman of Biol. Sci. Univ. of Qatar (1997-2001)
- Chairman of Biol. Sci. Univ. of Jordan (1983-1986)
- Assistant Dean of Sciences- university of Jordan (1983-1986)
- Chairman of the boards of WRSC, (1993-1996) Computer Center (1993-1997), Housing fund (2001-2002).
- Chairman of the staff disciplinary council of the University of Jordan (1993-1996).
- Chairman of the Science Certification committee, Ministry of Higher Education (1993-1997)
- Member of the Science National Curriculum Committee of the Ministry Education (1993-1990).
- Member of the University Council (Several times) 1983-to date .
- Visiting Professor of Microbiology, Dept. Biol. Sci. Bahrain University (1990-1993).

Seminars For Workshops :-

Lecturing as invited speaker or trainer

- UNESCO workshop on water analysis, Amman 1984.
- UNESCO workshop on food analysis, Istanbul 1984.
- UNESCO workshop on biotechnology, Leipzig 1982, Germany .
- UNEP workshop on environmental education and training al- Aim 1995. UAE
- UNESCO workshop on biotechnology, Baghdad 1986.
- UNEP workshop on biodiversity , Bahrain 1995.
- UNESCO workshop on biotechnology, Kuwait 1988.
- UNESCO workshop on mushroom production, Kuwait 1988.
- Qatar University Seminars program, speaking on biological warfare, December 1998.

Special Assignments :

- lasapenza Univ, Rome, Meeting of Euro –Arab Universities, May – June 2002.
- Malta Meeting of Mediterranean Peace-program .Nov 2001.
- Alesco workshop on environment, Damascus 1989, Syria.
- Science advisor for the Egyptian –Jordanian company 1998-1990
(Government Holding Company).
- Member of the national curricula development committee , Ministry of higher education,1998-1990.

Consultations and/ or Participation in Research Projects:

- Afra thermal waters project, Jordan, 1983-1985.
- Wastewater reuse WRSC, University of Jordan , 1984-1986.
- Bahrain coastal pollution and its effects on pearl-oyster, through Bahrain SRC(1990-1993).
- Many other assignments through the University of Jordan .

- Coordinator of Jordan biodiversity country study for UNEP-1995.
- Several Studies and consultations for Qatar Research Center (SARC) 1997-2001).

Research Activities:

- 1 . As per included list,” mainly on different components of the environment ,i.e. Water, soil, foods , medicinal plants and industrial microorganisms, etc.
- 2 . Supervision of large number of postgraduate students research projects as major supervisor as detailed in the list below.(Few samples)

Awards and Grants:

1. Seniority year award of the University of Jordan, 1986.
2. Bahrain Crown prince scientific award 1996.
3. Several research grants from the deanship of scientific research of the University of Jordan, 1980-2005
4. Bahrain Research Center grant to support a project on the pollution effects on pearl oyster in Bahrain .30,.000 US\$. 1990 -1993.
5. Jordanian higher council for science and technology (HCST) grant to support a project on microbial biodiversity data base in the Jordanian environment, 37,000 US \$, 1996-2000.
6. HCST grant to support a project on the efficiency of water resources in Jordan Valley, 1996-2000.
7. SARC grant (280,000 QR) to study bacterial activities in A. marina habitat along the Qatari coast,(1998-2001)

Committees:

1. Departmental level: Several times; (1978-to date)

- Graduate Studies
- Curriculum
- Scientific research
- Labs. Committee

- 1st year Committer
- Budget Committee
- Social Committee

2. Faculty level: Several times; (1978- to date)

- Graduate Studies
- Supplies Committee
- Research Committee
- Curriculum Committee
- Tech. Dip . Committee 1983-1986

3. Univ. level:

- Chairman of employees committee 2001/2002.
- Chairman of Finance committee 2001/2002.
- Deans council committee 2001/2002
- Recruitment and promotion committee 2001/2002
- Chairman of students special cases highest committee 2001/2002
- Chairman of rules an regulation reviewing committee 2001/2002
- Chairman of housing fund committee 201/2002
- Univ. restructuring committee 1996-1997.
- Recruitment and promotion committee 1994-997.

Many other Ad hoc committees

Chairman of the staff disciplinary council 1993-1996

Conferences and Publications :

100 Published or accepted scientific articles and works as per attached sheet of publication, participation in more that 30 international conferences and many local conferences.

Membership of Scientific Societies:

ASM (USA), SGM (UK), (RSCN , JBS, Jordan), IUCN (Geneva), Sigma Chapter of Scientific American, Arab biologists Union (ABU).

Languages:

- Arabic : Excellent.
- English : Excellent.

Other Activities:

More than 50 Weekly Articles to the main Jordan daily newspaper Ad- Dustour, writing on different concerns of the nation 1994-1996

Courses Taught :

Course	Level
General Microbiology	Undergraduate
Applied Microbiology	Undergraduate
Food Microbiology	Undergraduate
Microbial Physiology	Undergraduate
Biotechnology	Undergraduate
Industrial Microbiology	Undergraduate
Seminar	Undergraduate
Special Studies	Undergraduate
Advanced Microbiology	Postgraduate
Advanced Applied Microbiology	Postgraduate
Microbial Ecology	Postgraduate
Research Methods	Postgraduate
Special Studies	Postgraduate
Selected Topics	Postgraduate
Microbial biotechnology	Undergraduate,post.
Microbial ecology	Postgraduate=====
Environmental biotechnology	Postgraduate
Biotechnology ethics	
Seminar	

Thesis supervised(samples):

Researcher	Title of thesis
B. Jarrar (1980)	Incidence of aflatoxin
Zaher AL –Masri (1981)	Studies on aflatoxin
Raja Saad Eddin (1981)	Ecophysiological studies
Nidal Hmdi (1985)	Isolation and characterization
Suhair Alhunti (1986)	Qualitative and quantitative studies
Rula Khuzai (1986)	Isolation and characterization of antimicro
Jamil Rabba (1986)	Incidence and level of aflatoxin ...
Salim Al mughrabi (1981)	Pollution of KTDR out flowing waters...
F.Alsoub (1981)	Pollution studies of Zaraqa river and KTDR..
K.Adwan (1989)	Epidemiological Study of pseudomonas ...
A.M araga (1990)	Efficiency of coagulation
S.Ghazal 1988	Isolation ans characterization of antimicro
H.Hourani 1990	Co-supervision for Ph. D Project with Heriot – Watt Univ . UK.
S. Al Bdour (1984)	Studies of Pseudomonas
I. Al –betawi (1987)	Aflatoxin production
A. Bawadi (2004)	The prevalence of adhesion....
W. Al- Hunaidi (2003)	Pathogenicity and adhesion...
H Adi (1989)	Isolation of bacterial strains
I. Al – Rajabi (1990)	Partial characterization of....

Samar Al qadoumi (2005) MRSA from livestock and poultry.....

List of Publications

- 1 – Mahasneh, A.M. (2002). Screening of Some indigenous Qatari medicinal plants for antimicrobial activity. *Physiotherapy Research* 16(8),751-753.
- 2 – Mahasneh, A.M. (2001) Heterotrophic aerobic bacteria in an *A. marina* habitat along a Qatari coast. *Pakistan J.Biol. Sci.* 1 (7) , 666-670.
- 3 - Mahasneh, A.M. (2004) Globalizations of higher education and scientific research . At – Tarbiya, 134,1..
- 4 - Mahasneh, A.M. (2001) Some aspects of bacterial decomposition of *A. marina* leaf litter from AL-Khor (Qatar-Arabian Gulf)*J. Biol. Science* 1 (8) 717-719.
- 5 - Mahasneh, A.M. (2002) Heterotrophic Marine Bacteria Attached to leaves of *A. marina* L. Along the Qatari Coast (Arabian Gulf) . *ONJBS* :2(11),740-743.
- 6 - Mahasneh, A.M. (2002) Distribution , abundance and seasonal variation of aerobic heterotrophic marine bacteria attached to *Avicennia marina* leaves in surrounding waters at the Qatari Coast . A report prepared for SARC (Qatar University).pp.52.
- 7 - Mahasneh, A.M. (1999) .Microbial Biodiversity data preparation for the Jordanian environment, A report prepared for the Higher Council for Science and Technology (HCST), Amman, Jordan, pp.35.
- 8 - Mahasneh, A.M. (2002). Environmental terrorism, facts and means of curbing its dangers.At –Tarbiya,
- 9 - Mahasneh, A.M. and El-oqlah, A. (1999). Antimicrobial activity of extracts of herbal plants used in the traditional medicine of Jordan J. *Ethnopharmacology*, 64(3),271-276.
- 10. Mahasneh, A.M. (1998). Biodiversity: Concepts and Values deeply rooted in the early civilization . At- Tarbiya, 126: 274-279.**
11. AL- Rajabi, I And Mahasneh, A (1999) Partial characterization of an.....Qatar.Univ. Science. Journal. 18(1), 67-80.
12. Mahasneh, A.M. (1997) Science education and its role in maintaining a sustainable environment. At-Tarbiya ,123,267-275.

13. AL- Rajabi I. And Mahasneh, A.(1998) Stability of the extracellular pectate lyase of a *Bacillus polymyxa* Mutants. The international symposium (Stability and Stabilization of Biocatalysts),lisboa, April 1998.
14. AL- Rajabi, I and Mahasneh, A(1997) partial characterization of an alkalophilic extracellular pectinase enzymes of a **Bacillus polymyxa strain** 9th International Conference on Bacilli. Lausanne, Switzerland July 15-19,1997.
15. Mahasneh, A. (1996) Microbial biodiversity date-base preparation in Jordan ,4th Jordan Science Week, Amman, Jordan. August 1996.
16. Hussein, A. and Mahasneh.A. (1997) Protease mutants of thermophilic *Bacillus*. 97th ASM General Meeting May 4-8 1997.Miami Beach .Florida USA.
17. Hussein, A. and Mahasneh .A. (1996). Isolation of bacterial strins producing thermophilic extracellular protease. The International symposium “ New Frontiers in Screening for Microbial Biocatalysts.15-18 December, 1996 Ede.. Netherlands .
18. Mahasneh, A.M. (1996) Scientific research, priorities and means of funding in the University of Jordan. first National Symposium on the status and to future of Science ands Scientific Research in the Republic of Yemen. 6-9 April, 1996. Sanna, Yamen.
19. Mahasneh, A.M. and Hashim A. AL –Sayed (1994) Seasonal incidence of some heterotrophic aerobic bacteria in Bahrain pelagic and nearshore waters and Oysters. The regional environmental symposium on ecosystems, environmental protection and graduate education in environmental science ..11-14 December, 1994.AL-Ain, UAE University, UAE.
20. Mahasneh, A. (1995) University of Jordan experience and capabilities in environmental training and education . Invited paper presented for the Regional meeting for the establishment of environmental training and education Net-Work in West Asia, Nov 13-15,1995, Al-Ein, UAE, UNEP/ROWA.
21. Mahasneh, A. (1995) Jordan Experience in preparation of Jordan biodiversity country study (microbiology). Presented to the conference on biological diversity, its conservation and sustainable use in the Arab-World. Dec.12-14,1995. Bahrain.

22. Mahasneh, A.M. Jameel A. Abbas and Ahamd A. El –Oqlah (1994) Antimicrobial activity of herbal plant extracts in the traditional medicine of Bahrain (Abstract). 7th Arab Biologists Conference, Tunis, Nov 4-7th 1994 .Abstract book pp: 47-
23. Mahasneh, A.M. Jameel A. Abbas and Qaher Mandeel . (1997) Seasonal changes of some bacterial populations in Bahrain soils. J Environ Studies, 52: 17-18.
24. AL –Horani, HK, priest, F. And Mahasneh, A. (1993) EndoB-glucanase production in B. Licheniformis. Proceedings of the second Arab conference on perspectives of Modern biotechnology pp.229-24-28 April 1993 Amman Jordan. Published by Biodynamics international, SanDiego California USA
25. Mahasneh, A.M. Jameel A. Abbas and Ahamd A. El –Oqlah (1996)Antimicrobial activity of herbal plant extracts in the traditional medicine of Bahrain.Phytotherapy Research 10:251-253.
26. Mahasneh, A.M. AL –Sayed , H. and AL- Saaed, (1993) Impact of some organic and inorganic pollutants of pearl Oyster (P. radiata) in Bahrain environment. A report submitted to Bahrain research and study center, Bahrain, PP.78.
27. Mahasneh, A.M. AL –Sayed, H. and AL- Saaed, (1994) Trace metal concentrations in Sea water and Oyster (P-radiata) from Bahrain (Arabian Gulf). Marine Pollution Bulletin.28(6) 370-375.
28. Mahasneh, A.M. and AL –Sayed, H. (1994) Levels of Polychlorinated hydrocarbons, Polychlorinated Biphenyls and total hydrocarbons in pear Oyster Pinctada radiata from Bahrain (Arabian Gulf). Marine Research, 3 (2) 13-25.
29. Mahasneh, A.M. and AL –Sayed, H. (1997) Seasonal incidence of some heterotrophic aerobic bacteria in Bahrain pelagic and near shore waters and Qysters. Int J. Environ 51.301-312.
30. Mahasneh, A.M. and AL- Saaed, H (1993) Levels of PCH and PCB`s and Total hydrocarbons in Pearl Oyster (P. radiata) From Bahrain (Arabian Gulf). Abstract in First SETAC world congress, Lisbon, 28-31 March 1993.

31. Qureshi, A., Mahasneh, A. and AL- Saaed, H AL –Buflasa. A AL – Shuaibi , M.(1993) Fecal pollution of pearl Oyster (P. radiata) .Water Science and Technology 27, (3-4)35- 39.
32. Mahasneh , A. (1995) Microbiology Practical Manual : Draft in Arabic for under and post –graduate courses in general microbiology .
33. Mahasneh, A. AL –Sayyed .H, and AL Saad. J (1992) Abundance of bacteria associated with Pearl Oyster (P. Radiata) in Bahrain (Arabian Gulf) Abstract : 6th ISME, Sept 6-12 1992. Barcelona.Spain
34. Mahasneh, A. (1992). Biotechnology, the missing link between the basic and applied research in developing countries and its importance for national economy and development, A chapter In: Biotechnology, publications of the scientific research deanship of Mutah Univ. Mutah, Jordan.
35. Ghazal, S., Abu-Zarka, M., and Mahasneh, A. (1992). Antimicrobial activity of P. equisiteforme extracts and flavonoids. J. Phytotherapy Research, 6, 265-269.
36. Abbas, J. Al-Qqlah, A., and Mahasneh, A. (1992). Herbal folk medicinal plants of Bahrain. Economic Botany, 41 (6), 158-163.
37. Mahasneh, A., and Al-Mughrabi, S. (1991). Bacterial contamination of water and sediment of KTD (Jordan). Presented in Conservation and management of tropical inland waters: Problems, solutions and prospects. Sept. 5-6, 1991, Hong-Kong.
38. Horani, H. Mahasneh, A. and Priest, F. (1990) Systematics of thermophilic Bacilli and production of thermostable enzymes. (Abstract). 2nd conference of JBSS. May1990.
39. Abu-Dari, K and Mahasneh, A. (19993) Antimicrobial activity of thiohydroxamic acids and their metal complexes I. Dirasat. 20B(I) 12-19.
40. Ibid (1993) Antimicrobial.- II Dirasat 20B (2) 7-15.
41. Afifi, F, Al- Khalil S, Mahasneh, A(1991) Antifungal active flavonoids from V. iphionoides. J. Phytotherapy Research 5, 173-177.

42. Mahasneh, A. (1989). Environmental Education in the Univ. of Jordan .Conference on environmental education in higher education in the Arab – world. 4-7 Sept. 1989 Damascus, Syria..
43. Natour, R.M. and Mahasneh, A. (1990) Aflatoxin Production in raw and roasted peanuts as affected by Moisture content and temperature during storage. *Dirasat*, 17, (3), 86-96.
44. Natour, R.M., J.A. Rubb'a, M.S. Nowar, A. Salhab and A. Mahasneh, 1991. Incidence and level of Aflatoxin MI in liquid and imported powdered Milk in Jordan with special reference to Aflatoxin BI in corresponding feeds. *Chemistry for the protection of the environment* edited by L. Pawolowski et al., Plenum Press New-York.
45. Dajani, N.F., R.M Natour, A. Sahbab and A. Mahasneh, 1990 Incidence of zearalenone producing fungi in cereals and animal feed stuffs in Jordan. *Arab Gulf Journal* (8), 119-127.
46. Naour, R.M., J.A. Rabba A. Mahasneh and A. Salhab, 1993. Aflatoxigenic isolates of *Aspergillus flavus* naturally contaminating common feedstuff in Jordan and suitability of some feed as natural substrates for aflatoxin. *Dirasat*, 20B (4), 75-82..
- 47- Mahasneh, A. et al. 1989. Treated waster water in agriculture: Part II Queen- Alia International Air- port. *Bulletin of Water Research and Study Center* 12,1-
48. Mahasneh. A. et al. 1989. Treated waster water in agriculture: Part 1 King Hussein Medical Center. *Bulleting of Water Research and Study Center* 13,1-
49. Mahasneh, A. (1989), Distribution and behavjor of bacteria in treated waste- water irrigated plants and soils (Abstract) 5th ISME Symposium. August 1989, Koyto-Japan.
50. Mahasneh, A (1987) Report No.2 on reuse of domestic waste- Water and its bacteriological characteristics. Presented to WRSC of the University of Jordan.
51. Mahasneh, A. (1985) Report No. 1 on reuse of domestic waste- water and its characteristics. Presented to WRSC of the Univ. of Jordan.

52. Mahasneh, A (1985) Report on the curative characteristic of Afra thermal mineral wasters. Presented to the ministry of Tourism through WRSC of the Univ of Jordan.
53. Mahasneh, A (1984) Distribution of some chemical pollutants in Zarqa river waters behind KTDR. The international conference of environmental management in developing countries 24-31 July, 1984. Istanbul- Turkey.
54. Mahasneh, A. Masri, Z. Salhab, A. and Natour, R.(1982) Contamination of animal feed used in Jordan by aflatoxin and aflatoxin producing fungi. The 5th IUPAC Symposium on Mycotoxins and Phycotoxins, Vienna, August 25-31, 1982, Austria.
55. Mahasneh, A, and Soub, F. (1993) Chemical Pollution of KTDR. The first international conference on appropriate technology for developing countries 7-14July, 1983. Istanbul- Turkey.
56. Mahasneh, A (1971) Isolation and partial characterization of B subtilis mutants resistant to Triton x-100. The third Arab conference on physiological sciences. 24-26 Sept. 1979, Amman. Jordan.
57. Mahasneh, A (1980) Distribution of mycotoxigenic fungi and antibiotic producing bacteria in Jordanian soils. The 6th international symposium on global impacts of Applied Microbiology, 20-25. August ,Lagos ,Nigeria
58. Mahasneh, A. and Al-Mughrabi, S. (1986) Some heavy metals in the waters of Zarqa river behind KTDR. The 4th ISME. 24-29 , August, 1986 Lubianja. Yugoslavia.
59. Doddema, H. Saad Eddin, R. and Mahasneh, A. (1985), N-metabolism in the halophyte *A. fruticosum* . Conference on N-metabolism in higher plants. March 1985 Harren, the Netherlands.
60. Mahasneh, A. El-Esawi, D. and Hamdi, N. (1983) Nitrogen fixing bacteria isolated from wild legumes in Jordan. Ninth- North America- Conference on Rhizobium. Cornell Univ. June, 1983 (USA)
61. Mahasneh, A. bdour, S. and Doddema, H. (1983) Bacterial N-transformations in the rhizosphere of some halophytes in

Jordanian soils. Ninth North American Conference on Rhizobium. Cornell Univ, 1983. USA.

62. Mahasneh, A (1980) Microbial contamination of ice-cream in the city of Amman 1st Arab. Confe. Biol Sciences, Baghdad, Iraq. April 18-22.1980.
63. Mahasneh A. Tamemi, s. H and Shower, S. (1982) Probable occurrence of enterotoxigenic bacteria in powder milk marketed in Jordan.2nd Arab Conference on Biol. Sciences Fez, Morroco. March 18-22, 1982.
64. Mahasneh, A and Stewart, D. (1982) Isolation and characterization of B- (1-3) and B (1-6) glucanase defective mutants of *B. circulans* . The second Arab Conference on Biological sciences, Fez, Morroco March 17-20.
65. Al-Khalil, S. and Mahasneh, A. (1989) Antimicrobial activity of some alkaloids and alkaloid derivatives of Jordan Thalictrum isopyroides. J. Biol.Sci Res.
66. Wahbeh, M I and Mahasneh, A. (1989) Composition and bacterial utilization of mucus of corals from Aqaba (Red Sea) Jordan . Proceeding of Int. Sym on corall Reefs. Australia, August 1988.
67. Abdulla. S, Abu- Zarqa, M. Afifi, F. Al- Khalil, S, Mahasneh, A and Sabri, S (1989). Effects of 3,3 Di-O- methylquercetin. Aflavone isolated from *Inula viscosa*, on isolated Guinea- Pig smooth muscle. J. of pharmacology. April. 1989.
68. Mahasneh, A. and Khalili, F. (1989) . Some features and antimicrobial activity of humic acids isolated from Jordanian soils. J. Biol. Sci. Res.20 (2) 255-264.
69. Khuzaie, R and Mahasneh, A. (1988). Isolation and partial characterization of antimicrobial substances from seagrass H. stipulaceae. In Recent advances in biotechnology and applied biology, ed. : Shu-ting Chang and Norman Y.S. Woo. The Chinese Univ. of Hong Kong.
70. Mahasneh, A (1986) Jordanian experience in environmental industrial pollution control. Conference on industrial pollution in West Asia, April. 14-17,1986, Baghdad, Iraq.

71. Mahasneh, A. (1984) Distribution of phosphate, nitrate, ammonia and heterotrophic bacteria along stretch along stretch of the out-flowing water of a dam-reservoir, Proceeding of the international symposium of environmental management for developing countries, Istanbul. 24-31 July, 1984.
72. Mahasneh, A. and Shawer, A. (1983) Mutagenicity of Zarqa river water. Proceeding of the first Jordanian Geology Conference 6-8 Sept. 1982, PP.641-652.
73. Masri, A, Mahasneh, A. Salhab, A. and Natour, R (1982) Contamination of animal feed used in Jordan by alfatoxin and aflatoxin producing fungi. Proceedings of the 5th international IUPAC symposium on mycotoxins and phycotoxins. Vienna-Austria, 1982,PP.92-97.
74. Soub. E and Mahasneh. A (1982) Chemical Pollution of KTDR. Proceeding of the 1st international symposium on environmental technology for developing countries . Istanbul 7-14 July 1982.
75. Mahasneh, A. (1979). Isolation and partial characterization of Triton-X-100 resistant mutants of B. subtilis. Symposia on physiological sciences, 24-26-Sept. 1979. PP. 47-58.Amman
76. Mahasneh, A. and Hamdi,N, (1987) Correlation of some properties of E. coli isolated from different sources.J.Bio. Sci . Research, 18 1(21-31.)
77. Khalili, F. and Mahasneh, A. (1986). Preparation and antimicrobial activity of glyoximes. Dirasat, XIII (7), 185-188.
78. Doddema, H, Sadd Eddin, R. and Mahasneh, A. (1986) Effects of seasonal changes of soil salinity and soil nitrogen on the N-metabolism of the halophyte Arthrocnemum fruticosum (L) Moq. Plant and Soil 92: 279-295.
79. Mahasneh, A. and Wahbeh, M (1985) Microbiological aspects of the Jordanian Afra hot mineral waters. Dirasat, 7,7-16.
80. Hamdi, N. Mahasneh A, and Shehabi, A (1985) Antibiotic resistance of urinary and fecal E. coli in relation to serotypes. Iraqi Journal of the Faculty of Medicine 28 (1), 35-42.
81. Mahasneh, A. Budour, S and Doddema, H (1984) Nitrification and seasonal changes in bacterial populations in the rhizosphere of

Suaeda and Arthrocnemum species growing in saline soils. Plant and Soil 82,149-154.

82. Wahbeh, M.I and Mahasneh, A.M. (1984) Levels of Zn, Mn, Cu, Fe, and Mg, in decomposing leaf litter of Halophila stipulacea from Aqaba(Jordan) . Bot. Marina. XXVII 377-379.
83. Wahbeh.M I. And Mahasneh, A.M. (1984) Heterotrophic bacteria attached to leaves, rhizomes and roots of three sea-grass species from Aqab (Jordan). Aquat. Bot. 20. 87-96
84. Wehbeh, M.I. and Mahasneh, A.M (1985). Decomposition of the seagrass Halophila stipulacea (Forsk) Aschers. Leaf litter from the Gulf of Aqaba (Jordan). Aquat. Bot.21,237,224.
85. Mahasneh, A. (1987).Antimicrobial activity of plant- extract and pure Judaicin from Artemisia judaica . Jordan Medical Journal 20 (1), 17-24.
86. Mahasneh, A, Wahbeh, M. and Tamemi, S. (1985) Taxonomic position and seasonal variations of aerobic marine bacteria in the sediment of the Gulf of Aqaba. Dirasat XII (2), 19-26.
87. Bdour, S.M. Mahasneh, A. and Shehabi, A.A. (1985) The association of common pyocin types with Antimicrobial resistance in P. aeruginosa isolates. J. Medical Journal 19,51-57.
88. Hashwa, F. and Mahasneh, A. (1983) Hygienic quality of coastal waters in the Gulf of Aqaba (Jordan). Jordan Medical Journal. 196-178.
89. Mahasneh, A. and Soub, F. (1983) Physical and microbiological studies on King Talal dam reservoir water. Dirasat. X (11, 67-93)
90. Mahasneh, A. Tamimi, S Hourani, H. and Shower. S. (1983) The probable occurrence of enterotoxigenic bacteria in powdered milk marketed in Jordan . Jordan Medical Journal. 17 (1) 49-55.
91. Jarrar, B. Salhab, A. Natour, R. and Mahasneh, A. (1982) Incidence of aflatoxins in some food- stuffs in Jordan Dirasat, IX (2) 233-244.
93. Mahasneh, A. Jarrar, B and Madi, I (1980) Distribution of aflatoxigenic fungi and antibiotic producing bacteria in Jordanian soils. Iraqi .J. Sci 21 (4)

94. Mahasneh, A. and Stewart, D.J. (1980) A medium for detecting B-(1..... 3) glucanase.....J .Appl. Bacteriology ,48,457-458 .
95. Mahasneh, A. and Hashwa, F. (1981). Microbial contamination of ice cream in the city of Amman. J. Medical Journal 15(1) 65-72
- 96 .Al-Huneidi ,W.,S.Bdour and A.Mahasneh .(2006).Detection of enterotoxin genes seg, she, sei and sej in Jordanian clinical isolates of S.aureus .Diagnostic Microbiology and Infectious Disease 56,127 -132 .
- 97.Bawadi ,A S.Bdour and A.Mahasneh.(2008).The prevalence of adhesion(efb,icaA, and icaA and toxin.....(Submitted)
- 98.Quddoumi,S. S.Bdour and A. Mahasneh (2006).Isolation and characterization
of MRSA from livestock and poultry meat .Annals of Microbiology,56(2)155-161
- 99.Mahasneh,A and Bdour, S.(1984).General Microbiology Manual.University of Jordan ,Amman Jordan
- 100.Mahasneh,A (2005).Applied Microbiology and Biotechnology Manual .Philadelphia University,Amman,Jordan
- 101.Mahasneh,A.M.(2007).Biopesticides fermentations:An alternative to chemicals.The first Swedish-Jordanian biotechnology symposium.Philadelphia University,March 25-28,200
1. 102. Bawadi,A,Bdour,S and Mahasneh,A.(2009).Sap11/Sap12 and egc associated toxin genes are dominant in slime forming S.aureus islates harbouring icaABCD-operon.JJBS,2(2)97-102
 2. 103. Alhussini R. and Mahasneh ,A.(2009).Microbial growth and quorum sensing antagonist activities of herbal plant extracts.Molecules14(9),3425-3435
 3. 104.Alhussaini ,R and Mahasneh ,A.(2009).Antimicrobial and anti-quorum sensing activity of different parts of L.nobilis L. extracts.Jordan Medical Journal 43(4),286-298
 4. 105.Talib,W. and Mahasneh,A. (2010).Antiproliferative activity of plant extracts used against cancer in traditional medicine.Scientia Pharmaceutica 78,33-45

5. 106. Talib, W. and Mahasneh, A. (2010). Antimicrobial, cytotoxicity, and phytochemical screening of plants used in traditional medicine. *Molecules*, 15(3), doi:10.3390/molecules150x000x