

Moh'd Saleem ALI-SHTAYEH

PROF. OF BIOLOGY & BIOTECHNOLOGY;

Dept Biology and Biotechnology,

An-Najah National University,

P.O.BOX 696 Nablus, West Bank, Palestine,

Tel: (972) 9-2346406, Telefax: (972) 9-2346-147,

Mobile: 0599674227;

E-Mail: admin@berc.ps, berctil@yahoo.com,

msshtayeh@yahoo.com

University Education and additional Training

1979-1982 PhD in Fungal Ecology and Biotechnology, *The University of Reading*, Department of Botany, Reading, England.

1966-1970 BSc., in Plant Pathology, *Cairo University*, Department of Plant Protection, Caro, Egypt.

1989-1990 Fulbright Fellowship at the *University of California, Davis*; Dept. of Plant Pathology, Davis, CA 95616, U.S.A.

Positions Held

1996-now Professor of Biology and Biotechnology, Department of Biology and Biotechnology, An-Najah National University, Nablus, West bank, Palestine.

2001-now President of the Biodiversity and Environmental Research Center (BERC), Til, Nablus, West Bank, Palestine.

Honors/Awards

1970 Total Average for BSc degree Distinction with honours. *Cairo University, Cairo, Egypt.*

1986 The Abdul-Hameed Shoman Foundation Prize for Arab Scientists in Biological Sciences for the Year 1986. Amman, Jordan. (A Pan-Arab Prize).

1999 The Hisham Hijjawi Award for Applied Sciences in the Field of Industry and Environment For The Year 1999. Awarded in Recognition of The Distinguished Applied Scientific Value of Research Article Entitled: "Ecology of cycloheximide-resistant fungi in field soils receiving raw city wastewater or normal irrigation water." *Mycopathologia* 144:39-54.

1999 The Hisham Hijjawi Award for Applied Sciences in the Field of Agriculture and Water for the Year 1999. Awarded in recognition of the distinguished applied scientific value of research work entitled: "Olive Mills Wastewater (OMW) Treatment Using Upflow Anaerobic Sludge Blanket (UASB) Reactor."

2000 The Hisham Hijjawi Award for Applied Sciences in the Field of Agriculture, Water, and Environment for the Year 2000. Awarded in recognition of the distinguished applied scientific value of research article: Isolation of *Pythium acanthicum*, *P. oligandrum*, and *P. periplocum* from soil and evaluation of their mycoparasitic activity and biocontrol efficacy against selected phytopathogenic *Pythium* species. *Mycopathologia* 145:143-153.

2000 The Scientific Foundation of Hisham Adeb Hijjawi Plaque for the Year 2000. "In recognition of his outstanding scientific achievement in applied sciences research."

LIST OF PUBLICATIONS

Medicinal Plants & Sustainable Use

Ali-Shtayeh, M.S., Jamous, Rana M. et al. (2008). Traditional knowledge of wild edible plants used in Palestine (Northern West Bank): A comparative study. *Journal of Ethnobiology and Ethnomedicine*, 4:13. (Highly accessed)

Ali-Shtayeh, M.S., Jamous, Rana M. (2008). *Traditional Arabic Palestinian Herbal Medicine, TAPHM*. Til, Nablus, Palestine, Biodiversity and Environmental Research Center, BEREC.

Al-Nuri, M., Haroun, A., Warad, I., Mahfouz, R. M., Al-Resayes, S., and Ali-Shtayeh, M. S. (2007). Synthesis and characterization of some antifungal active hydrazones from combined of several functionalized hydrazides with Di-2-pyridyl ketone. *Journal of Saudi Chemical Society* 2, 313-318.

Ali-Shtayeh, M. S., & Jamous, Rana M. (2006). Ethnobotany of Palestinian herbal medicine in the northern West Bank and Gaza Strip: review and comprehensive field study. *Biodiversity and Environmental Sciences Studies* 4: 1-122.

Hilal, H. S., Ali-Shtayeh, M. S., Arafat, Randa, Al-Tell, Taleb, Voelter, W., and Barakat, A. (2006). Synthesis of a new series of heterocyclic scaffolds for medicinal purposes. *Europ. J. Med. Chem.* 41: 1017-1024.

Ali-Shtayeh, M. S., Zayed, Rabee A. Gh., & Jamous, Rana M. (2003). Palestinian plants as a source of antimycotics. In: M.K. Rai and D. Mares (Editors) *Plant derived antimycotics* (pp. 399-427). Binghamton: The Haworth Press.

Ali-Shtayeh, M. S., Yaniv, Z., & Mahajna, J. (2000). Ethnobotanical survey in the Palestinian area: A classification of the healing potential of medicinal plants. *Journal of Ethnopharmacology* 73:221-232.

Ali-Shtayeh, M. S., Abu-Ghdaib, S. I. (1999). Antifungal activity of plant extracts against dermatophytes. *Mycoses* 42: 665-672.

Ali-Shtayeh, M. S., Yaghmour, Reem M-R., Faidi, Y. R., Salem, Kh., & Al-Nuri, M. A. (1998). Antimicrobial activity of twenty medicinal plants used in folkloric medicine in the Palestinian area. *Journal of Ethnopharmacology* 60:265-271.

Ali-Shtayeh, M. S., Al-Nuri, M. A., Yaghmour, Reem, M-R., Faidi, Y. R. (1997). Antimicrobial activity of *Micromeria nervosa* from the Palestinian area. *Journal of Ethnopharmacology* 58:143-147.

Al-Nuri, M. A., Za'tar, N. A., Abu-Eid, M. A., Hannoun, M. A., Al-Jondi, W. J., Hussein, A. I., & Ali-Shtayeh, M. S. (1996). Emodin, a naturally occurring anthraquinone: its isolation and spectrophotometric determination in *Rumex cyprius* plant. *Spectroscopy Letters* 29 (8): 1539-1543.

Al-Nuri, M. A., Hannoun, M. A., Zatar, N. A., Abu-Eid, M. A., Al-Jondi, W. J., Hussein, A. I., & Ali-Shtayeh, M. S. (1994). Plumbagin a naturally occurring naphthoquinone: its isolation, spectrophotometric determination in roots, stems, and leaves in *Plumbago europea* L. *Spectroscopy Letters* 27 (4): 409-416.

Selected Publications of > 75 other publications in reviewed journals:

Ali-Shtayeh, M. S., Salah, Ayman M. A., & Jamous, R. M. Jamous (2003). Ecology of hymenozol-insensitive *Pythium* species in field soils. *Mycopathologia*, 156: 333-342.

Toike, S. T., Henderson, D. M., Macdonald, J. D., & Ali-Shtayeh, M. S. (1997). *Phytophthora* root and crown rot of sage caused by *Phytophthora cryptogea* in California. *Plant Disease* 81: 959.

Hamdan, A-H. Y. A., Ali-Shtayeh, M. S., Jones, M. G., & Mortimer, A.M. (1995). *Phytophthora citrophthora* and *P. nicotianae* in two contrasting citrus plantations in the West Bank - Middle East. *Journal of Plant Diseases and Protection* 102(2): 151-163.

Ali-Shtayeh, M. S., & Abu-Ghdaib, S. I. (1994). Root and crown rot of figs in the West Bank of Jordan. *Phytopathologia Mediterranea* 33 (1): 36-40.

Macdonald, J. D., Ali-Shtayeh, M. S., Kabashima, J., & Stites, J. (1994). Occurrence of *Phytophthora* species in recirculated nursery irrigation effluents. *Plant Disease* 78:607-611.

Denman, S., Knox-Davies, P. S., & Ali-Shtayeh, M. S. (1992). Identification of *Pythium* isolates associated

with damped-off lucerne seedlings in south Africa. *Phytophylactica* 24:329-334.

Barakat, Radwan M., Al-Mahareeq, Fadel, Ali-Shtayeh, Mohammed S., and AL- Masri, Mohammad I. (2007). Biological control of *Rhizoctonia solani* by indigenous *Trichoderma* spp. isolates from Palestine. *Hebron University Research Journal* 3:1 – 15.

Al-Masri, M. I., Ali-Shtayeh, M. S., Elad, Y., Sharon, A., Tudzynski, P., & Barakat, R. (2002). Effect of plant growth regulators on the interaction between *Sclerotinia sclerotiorum* and its host plants. *J. Phytopathology* 150: 1-7.

Ali-Shtayeh, M. S., Abdel-Basit, B. M. Mara'i, & Jamous, M. Rana. (2003). Distribution, occurrence and characterization of entomopathogenic fungi in agricultural soil in the Palestinian Area. *Mycopathologia* 156: 235-244.

Ali-Shtayeh, M. S., & Jamous, Rana M. (2000). Keratinophilic fungi and related dermatophytes in polluted soil and water habitats. In: Kushwaha, RKS, & Guarro, J. (Eds.) *Biology of Dermatophytes and other Keratinophilic Fungi*. *Revista Iberoamericana de Micologia* (pp. 51-59). Bilbao.

Ali-Shtayeh, M. S., & Saleh, A. S. F. (1999). Isolation of *Pythium acanthicum*, *P. oligandrum*, and *P. periplocum* from soil and evaluation of their mycoparasitic activity and biocontrol efficacy against selected phytopathogenic *Pythium* species. *Mycopathologia* 145:143-153.

Ali-Shtayeh, M. S., Macdonald, J. D., & Kabashima, J. (1991). A method for using commercial ELISA tests to detect zoospores of *Phytophthora* and *Pythium* species in irrigation water. *Plant Disease* 75:305-311.

Ali-Shtayeh, M. S., Khaleel, Tayseer Kh. M., Jamous, Rana M. (2003). Ecology of dermatophytes and other keratinophilic fungi in swimming pools and polluted and unpolluted streams. *Mycopathologia* 156: 193-205.

Ali-Shtayeh, M. S., Salameh, A-A. M., Abu-Ghdeib, S. I., Jamous, Rana M., & Khraim, H. (2002). Prevalence of tinea capitis as well as of asymptomatic carriers in school children in Nablus area (Palestine). *Mycoses* 45(5-6), 188-194

Ali-Shtayeh, M. S., Salameh, A-A. M., Abu-Ghdeib, S. I., & Jamous, Rana M. (2001). Hair and scalp mycobiota in school children in Nablus area. *Mycopathologia*. 150: 127-135.

Ali-Shtayeh, M. S., Jamous, Rana M. F., & Abu-Ghdeib, S. I. (1999). Ecology of cycloheximide-resistant fungi in field soils receiving raw city wastewater or normal irrigation water. *Mycopathologia* 144: 39-54.

Ali-Shtayeh, M. S., Arda, H. M., & Abu-Ghdeib, S. I. (1998). Epidemiological study of tinea capitis in school children in the Nablus Area (West Bank). *Mycoses* 41: 243-248.

Ali-Shtayeh, M. S., & Arda, H. M. (1989). Isolation of keratinophilic fungi from floor dust of Arab elementary and preparatory schools in the West Bank of Jordan. *Mycopathologia* 106:5-11.

Sawalha, S. S., Ali-Shtayeh, M. S., Khanfar, H M, Warburg, A., Abdeen, Z A. (2003). *Phlebotomine* sand flies (Diptera: Psychodidae) of the Palestinian West Bank: potential vectors of leishmaniasis. *Journal of Medical Entomology* 40(3):321-8.

Abdelraziq, I. R., Ali-Shtayeh, M. S., & Abdelraziq, H. R. (2003). Effects of noise pollution on blood pressure, heart rate, and hearing threshold in school children. *Pakistan Journal of Applied Science* 3(10-12): 717-723.

Faidi, Y., Hamdan, A-H., Ali-Shtayeh, M. S., & Al-Khalil, S. (1995). Microbiological screening of the environments of two hospitals in Nablus. *An-Najah J. of Research (Nat. Sci.)* 3(9): 151-163.

Ali-Shtayeh, M. S., Hamdan, A-H., Shaheen, S. F., Abu-Zeid, I., & Faidi, Y. (1989). Prevalence and seasonal variation of intestinal parasitic infections in the Nablus area West Bank of Jordan. *Annals of Tropical Medicine and Parasitology* 83:67-72.

Ali-Shtayeh, M. S., Hamdan, A-H., & Faidi, Y. (1988). Distribution of ABO blood groups and the Rh factor in the Palestinians in the West Bank of Jordan. *An-Najah J. of Res.* 1:35-41.

Ali-Shtayeh, M. S., & Jamous, R. M. (2006). *Field guide on the production and storage techniques of seeds of indigenous (baladi) varieties of vegetables*. Til, Nablus: Biodiversity and Environmental Research Center (BERC).