SAMIR DROBY

CURRICULUM VITAE

2. Higher Education:

1977-1980	B.Sc. in Agricultural Sciences (Major: plant protection). The Hebrew University of Jerusalem, Faculty of Agriculture, Rehovot, Israel.
1980-1982	M.Sc. in Plant Pathology and Microbiology, The Hebrew University of Jerusalem, Faculty of Agriculture, Rehovot, Israel. Thesis: "Aspects in the Biology and the Epidemiology of the Diseases Caused by the Fungus *Alternaria alternata* on Potatoes".
1982-1985	Ph.D. in Plant Pathology and Microbiology, The Hebrew University of Jerusalem, Faculty of Agriculture, Rehovot, Israel. Thesis: "The Mechanism of Latency of the Fungus *Alternaria alternata* on Mango Fruits".
1986-1987	Postdoctoral fellowship at the University of California, Department of Plant Pathology, Riverside, California, USA.

3. Appointments at the Hebrew University:

1980-1982	Teaching Assistant in laboratory courses on: 1) Basics in Mycology and Plant Pathology; 2) Diseases of Field Crops; 3) Ornamental Diseases". The Department of Plant Pathology and Microbiology, The Hebrew University of Jerusalem, Faculty of Agriculture, Rehovot, Israel.
1982-1985	Teaching Assistant, Department of Botany (Plant Physiology general course). The Hebrew University of Jerusalem, Faculty of Agriculture, Rehovot, Israel.
1996	Granted Ph.D. student supervision by the Faculty of Agriculture of the Hebrew University of Jerusalem.
2008 to date	External Teacher, "Preservation and Biotechnology of Citrus fruit and its Products (course # 71455, **3 credit** points for B.Sc. Students in Agricultural and Food Sciences). Robert H. Smith Faculty of Agriculture, Food and Environment.

4. Additional Functions/tasks at the Hebrew University:

Examiner and Evaluator of Master's and Ph.D. thesis
Teaching Seminar course for B.Sc. students in Biochemistry and Food Science (course # 71443, **2 credit** points)

5. Service in other Academic and Research Institutions:

1987 - date	Research Scientist at the Agricultural Research Organization, Volcani Center, Department of Postharvest Science of Fresh Produce, Institute of Postharvest and Food Sciences. Promoted to Rank B in 1992; Rank A in 1996; and Rank A+ in 2001 (the highest rank in the government research service).

1997-1998	Sabbatical leave, Appalachian Fruit Research Station, USDA-ARS, and University of West Virginia, Kearneysville, WV, USA.
2009	Visiting Lecturer, Ege University, Izmir, Turkey. Three days intensive course on Postharvest handling of citrus fruit.
2007-2010	Head of Research Authority and Research Center at Al-Qasemi Academic Collage, Baqa El _Garbeia, Israel.
2008-to date	Member of the High Academic Counsel At Al-Qasemi Academic Collage, Baqa El-Garbeia, Israel.
2011	Sabbatical leave, The University of Greenwich, Chatham and East Malling Research, East Malling, UK.

6. Other Activity:

Additional Traning:

1993	Three weeks long intensive laboratory courses on recombinant DNA, PCR techniques and DNA sequencing technologies held at the Catholic University of America, Washington D.C., USA.
2004	Intensive Management course organized by the ARO, Newe Illan, Israel, (80 hours).
2004 -2005	One year Management course for senior civil servants organized by ELKA, the Association for the Development and Advancement of Manpower in Social Services in Israel. (380 hours)

Teaching experience:

1989-1993	Teacher of Biology for high school students (5 units), Baqa El-Garbeia High School.
1996	Lecturer and organizer of one month intensive course on Postharvest Physiology, Pathology and Technology for Chinese scientists, Extension and Government personnel, ARO, The Volcani Center, Bet Dagan (Total of 30 hours of lectures and laboratory training on pathology and control of fruit and vegetable diseases)
2009	Lecturer and organizer of 3 days long intensive course on "Postharvest Biology, pathology and technology" for extension service personnel, Ministry of agriculture, Palestinian Authority, Ramallah. Teaching of 15 lectures (1.5 hours each).

Organization of conferences:

1995	Organization of International Course on Postharvest Biology and Technology, November 1995, ARO, The Volcani Center, Bet Dagan, Israel
1996	Organizer of a session on: "Microbial Population Genetics". The 6th International Mycological Congress, Jerusalem Israel. August 1996.
1996	Organizer and Lecturer in one month intensive course on Postharvest Physiology, Pathology and Technology for Chinese scientists, Extension and

	Government personnel, ARO, The Volcani Center, Bet Dagan (Total of 30 hours of lectures and laboratory training on pathology and control of fruit and vegetable diseases
1998	Organizer of a BARD-funded International Workshop on "Microbial Food Contamination". Shepherdstown, WV, USA, November 1998.
1998	Organizer of a session on "Microbial Population Genetics". The 6th International Mycological Congress. August 1998, Jerusalem, Israel.
1999	Organizer of a session on: "Recent Advances in Non-chemical Control Methods of Postharvest Diseases of Fruits and Vegetables". The International Plant Pathology Congress (IPPC), July 1999, Jerusalem, Israel.
2000	Organizer of a session on: "Non-chemical Control Methods of Postharvest Diseases". 4th International Congress on Postharvest Sciences – Postharvest 2000.
2000	Organizer of a session on "Biological Control Strategies of Postharvest Diseases". Postharvest 2000 Congress, Jerusalem, Israel.
2002	Organizer of a BARD-funded International Workshop on "Science and Technology Based Countermeasures to Food-borne Terrorism". Shepherdstown, WV, USA, November 2002.
2004	Organizer of a BARD-funded International Workshop on "Smart and Intelligent packaging of fruits and vegetables". Shepherdstown, WV, USA, September 2004.
2008	Organizer of a session on Postharvest Pathology of Citrus fruit ,11th International Citrus Congress (ICC 2008) – October 2008, Wuhan, China
2010	Organizer of BARD-ISHS sponsored International Workshop on: "Postharvest biocontrol: Challenges and Opportunities. October, Leesburg, VA, USA
2011	Organizer of a discussion session on: "Establishing alliances between academia and industry: imperative for answering real commercial problems". International Congress of Postharvest Pathology, Llieda, Spain, 11-14 April, 2011.

Chairing sessions in International conferences:

1995	Chairman of session on "Biological control of postharvest diseases" . The 6th International Symposium on Microbiology of Aerial Plant Surfaces. September 1995. Bendor, France.
1996	Chairman of a session on "Postharvest Pathology". The Annual meeting of the Israeli Phytopathological Society. February 1996, Bet Dagan, Israel.
1996	Chairman of a session on: "Microbial Population Genetics". The 6th International Mycological Congress, Jerusalem Israel. August 1996.
1999	Chairman of a session on "Recent Advances in Non-chemical Control Methods of Postharvest Diseases of Fruits and Vegetables". The International Plant Pathology Congress (IPPC), July 1999, Jerusalem, Israel.
2000	Chairman of a session on "Biological Control Strategies of Postharvest Diseases". Postharvest 2000 Congress, Jerusalem, Israel.
2000	Chairman of a session on "Mode of action of postharvest biocontrol agents".

	IOBC/WPRS-EFPP symposium. Seville, Spain, November 2000.
2002	Chairman of a session on "Biocontrol on Harvested Crops". IOBC/WPRS-EFPP symposium. Kusadasi, Turkey, May 2002.
2003	Chairman of a session on "Non-chemical control methods of postharvest diseases". International Plant Pathology Congress, Christchurch, New Zealand, February, 2003.
2004	Chairman of Plenary session on "Control of Postharvest Diseases". VI International Postharvest Congress, June 2004, Verona, Italy.
2005	Chairman of a session on "Fruit diseases". Conference on Biological and Pro-ecological methods for control of diseases in orchards and small fruit plantations. August 2005, Skierniewicie, Poland
2008	Chairman of a session on "Postharvest Pathology of Citrus fruit".11th International Citrus Congress (ICC 2008) – October 2008, Wuhan, China
2011	Chairman of a discussion session o: "Establishing alliances between academia and industry: imperative for answering real commercial problems". International Congress of Postharvest Pathology, Llieda, Spain, 11-14 April, 2011.

Member of International Scientific committees:

1992-1995	Member of the International Organizing Committee of the 6th International Symposium on Microbiology of Aerial Plant Surfaces held in France, September 1995, Bendor, France.
1993 - 1996	Member of the Postharvest committee, International Society of Plant Pathology.
1995-1998	Member of the American Phytopathological Society Committee on Postharvest Pathology and Mycotoxicology.
1997-2000	Member of the organizing committee of the 4th International Conference on Postharvest Sciences – Postharvest 2000, March 2000, Jerusalem.
1997-1999	Member of the organizing committee of symposia on Integrated Pest management (IPM). The International Plant Protection congress (IPPC), July 1999, Jerusalem, Israel.
2007 - 2009	Member of the International Scientific committee of the 6th International Postharvest Congress, Antalya, Turkey, April 2009.
2010-2013	Member of the International Scientific committee of the 7th International Postharvest Congress, Kuala Lumpur, Malaysia, June 2013.

Member of evaluation committees:

1993 -1996	Member of a panel for evaluation of research projects on Postharvest and Food Technology, US-Israel Bi-national Agricultural Research and Development Fund (BARD) and Ministry of Agriculture Chief Scientist Fund.
1996-1998	Member of a panel for evaluation of research projects on ornamental crops. Ministry of Agriculture Chief Scientist Fund, GIARA and DIARP.
1999 - 2000	Member of a panel for evaluation of research projects on Postharvest and Food Technology, US-Israel Bi-national Agricultural Research and Development

	Fund (BARD) and Ministry of Agriculture Chief Scientist Fund.
2001 -2003	Chairman of a panel for evaluation of research projects on Postharvest and Food Technology, US-Israel Bi-national Agricultural Research and Development Fund (BARD) and Ministry of Agriculture Chief Scientist Fund.
2001 - date	Member of a panel for evaluation of research projects on organic agriculture, Ministry of Agriculture Chief Scientist Fund.
2002 - 2007	Member of the national R & D committee of the Citrus Board of Israel.
2004 - 2005	Chairman of a panel for evaluation of research projects on Postharvest and Food Technology, US-Israel Bi-national Agricultural Research and Development Fund (BARD) and Ministry of Agriculture Chief Scientist Fund.
2005 - 2008	Member of US-Israel Bi-national Agricultural Research and Development Fund (BARD) Technical Advisory Committee (TAC).
2007 - 2008	Ad hoc member of the Higher Education Counsel of Israel committee for evaluating academic programs in Chemistry and Biology submitted by Mar Elias Academic Collage, Ebleen, Israel
2007 - date	Member of a panel for evaluation of research projects on Postharvest and Food Technology, Ministry of Agriculture Chief Scientist Fund.
2010	Chairman of an Ad hoc committee of the Ministry of Science and Technology for fellowships fund of Arab and Druze Ph.D. Students.

Ad hoc reviewer of manuscripts for the following journals:

Biological Control; Tropical Science; Postharvest Biology and Technology; Phytoparasitica; Phytopathology; Biocontrol Science and Technology; Applied Microbiology; Physiological and Molecular Plant Pathology; FEMS Yeast Research; Journal of Phyotpathology; FEMS Ecology and Microbiology; International Journal of Food Microbiology; Biocontrol Science and Technology.

Ad hoc reviewer of research proposals for the following grant agencies:

1. US-Israel Bi-national Agricultural Research and Development Fund (BARD).
2. Ministry of Agriculture Chief Scientist Fund.
3. Ministry of Science and Technology Chief Scientist Fund.
4. The National Science Foundation fund (NSF).
5. The European Union research fund (FP-6 and FP-7).

Member of Editorial Boards:

1998 -2008	Member of the Editorial Board of the International Journal: "*Postharvest Biology and Technology"*.
2004 -2008	Member of the Editorial Board of the International Journal: "*Phytoparasitica"*

Member of professional societies:

1. The American Phytopathological Society.
2. The International Society of Plant Pathology.
3. The Israeli Phytopathological Society.

4. International Society Horticultural Sciences (ISHS).

Member of national committees:

1995 - 2008	Member of the Citrus Marketing Board (CMB) commodity committee on Postharvest handling of citrus fruit.
1999 - 2001	Chairman of an add-hock committee of the Israeli citrus Marketing Board (CMB) formed to coordinating research projects aimed at solving the problem of surface pitting (noxan) on Shamouti oranges.
1999 - 2003	Member of the Directory Board of the Israeli Phytopathological Society.
2001 to date	Member of the national steering committee of the Ministry of Agriculture Chief Scientist on organic agriculture production.
2001 - 2002	Elected Vice President of the Israeli Phytopathological Society.
2005 - 2010	Member of the Institute of Plant Science committee for Development and commercialization.
2005 - 2007	Member of the Institute of Technology and Storage committee for Development and commercialization.

Awards:

1983	Recipient of Max Plank Institute award for Advancement of Sciences. The award allowed a study visit for three months in the University of Hohenhein, Stuttgart, Germany.
1992	Recipient of the Agricultural Research Organization, Volcani Center Inventor's Prize for Biological Control of Postharvest Diseases.
2010	Recipient of the International Society for Horticultural Sciences Medal in recognition of meritorious service to the society as convener of the International workshop on Biological Control of Postharvest Diseases: Challenges and Opportunities, USA, 2010

7. Research grants:

International competitive grants:

1990 - 1992	The German-Israel Agricultural Research Agreement (GIARA) program for the benefit of developing countries, "Biological Control of Postharvest Diseases of Fruits", Edo Chalutz and Samir Droby, DM 60,000/DM 180,000,.
1991 - 1993	US-Israel Bi-national Agricultural Research and Development Fund (BARD),"Induction of Resistance to Postharvest Diseases and Extension of Shelf-life of fruits and vegetables by Ultraviolet Light", Edo Chalutz and Samir Droby, $60,000/$150,000.
1994 - 1996	US-Israel Bi-national Agricultural Research and Development Fund (BARD), "Ecology, population dynamics and genetic diversity of yeast antagonists of postharvest diseases of fruits and vegetables", Samir Droby and Joseph Eckert, $150,000/$300,000.

2000 - 2002	US-Israel Bi-national Agricultural Research and Development Fund (BARD), "Enhancement of Postharvest Biocontrol Activity of the Yeast *Candida oleophila* by Over Expression of Lytic Enzymes", Samir Droby and Michael Wisniewski, $ 165,000/$320,000.
2003 - 2005	US-Israel Bi-national Agricultural Research and Development Fund (BARD), "Characterization of the Biochemical Basis of Host Specificity of *Penicillium digitatum* and *Penicillium italicum* on Citrus Fruit", Samir Droby and Richard Stange, $180,000/$330,000.
2009 - 2011	US-Israel Bi-national Agricultural Research and Development Fund (BARD), "The Role of Reactive Oxygen Species (ROS) in Tritrophic Interactions in Postharvest Biocontrol Systems", Samir Droby and Michael Wisniewski, $115,000/$300,000.
2012-2013	US-Israel Bi-national Agricultural Research and Development Fund (BARD), "Genetic and transcriptomic analysis of postharvest decay resistance in *Malus sieversii* and identification of pahogenicity effectors in *Penicillium expansum*", Samir Droby and Michael Wisniewski, $100,000/$100,000.

National competitive grants:

1993 - 1995	Ministry of Agriculture Chief Scientist Grant, "Biological Control of Botrytis and Geotrichum Rots on Strawberry and Melons", Samir Droby, $30,000/$30,000.
1995 - 1997	Ministry of Agriculture Chief Scientist Grant, "The Use of Yeast Extracellular Polymers for the control of Postharvest Diseases", Samir Droby, $ 36,000/ $36,000.
1996 - 1998	Ministry of Agriculture Chief Scientist Grant, "Development of Detection and Control Methods for Postharvest Diseases of Flower Bulbs and Corms", Samir Droby, $ 102,000/$102,000.
1996 - 1998	Ministry of Agriculture Chief Scientist Grant, "Identification of the cause of soft rot of Calla corms and its control", Samir Droby and Sonia Philosoph-Hadas, $ 60,000/ $60,000.
1997 - 1999	Ministry of Agriculture Chief Scientist Grant, "The Use of Methyl Jasmonate to Induce Resistance to Botrytis rot in Roses", Samir Droby and Shimon Meir, $ 30,000/ $60,000.
1998 - 2000	Ministry of Agriculture Chief Scientist Grant, "Biological Control of Storage Rots of Flower bulbs and Corms". Samir Droby and Sonia Philosoph-Hadas, $60,000/ $60,000.
2000 - 2002	Ministry of Agriculture Chief Scientist Grant, "Improving quality and extending shelf-life of organically grown citrus, banana and squash" Samir Droby and Edna Pesis, $ 60,000/$114,000.
2003 - 2005	Israel Academy of Sciences (ISF) Grant, "Characterization of the Biochemical Basis of Host Specificity of *Penicillium digitatum* and *Penicillium italicum* on Citrus Fruit", Samir Droby, $120,000/ $120,000.
2006 - 2008	Ministry of Agriculture Chief Scientist Grant, "Prevention of Botrytis rot on Ruscus and Roses", Samir Droby and Yigal Elad, $63,000/$63,000,
2009 - 2011	Ministry of Science grant, "Ecology of yeast microflora on desert fruits", Samir

	Droby and Carmi Koren, $75,000/$120,000,

Other non-competitive research grants:

1994 - 1996	Israeli Citrus Marketing Board (CMB), "Biological control of brown rot of citrus caused by *Phytophthora citrophthora*", Samir Droby, $20,000/$20,000.
1995 - 1997	Israeli Citrus Marketing Board (CMB), "The use of yeast cell-wall derived materials for the control of postharvest decay of citrus fruit", Samir Droby, $30,000/$30,000.
1996	Israeli Grape Growers Association, "The use of natural microorganisms for improving postharvest table grapes quality", Samir Droby, $ 5,000/$5,000.
1996	LEKET BAR (Chemical Company), "Screening and testing biological activity of various natural antifungal compounds", Samir Droby, $35,000/ $35,000,
1996 - 1998	Israeli Flower Board, "Developing biological control strategies for postharvest diseases of flower bulbs and corms", Samir Droby, $30,000/$30,000.
1997 - 1999	Israeli Flower Board, "Developing new strategies for the control of Botrytis rot of roses", Samir Droby, $ 45,000/$ 45,000.
1997 - 1999	Israeli Citrus Marketing Board (CMB), "Extension of storability of Ruby Red grapefruit", Samir Droby $ 45,000/$45,000.
1998 - 2000	Israeli Citrus Marketing Board (CMB), "The use of food preservatives and additives for the control of postharvest decay of citrus", Samir Droby, $ 60,000/$ 60,000.
1998	Israeli Citrus Marketing Board (CMB), "Evaluation the use of heated fungicides for the control of postharvest decay of citrus fruit", Samir Droby, $ 20,000/$20,000.
1998	Ecogen Inc. (USA), "Improving the formulation of Aspire by the use of food additives and cell wall materials", Samir Droby, $80,000/$48,000.
1999	MINRAV Ltd. – The Biological Division (Israel), "Developing a yeast-based biocontrol product for the control of pre and postharvest rots of wine and table grapes", Samir Droby, $120,000/$120,000.
2003	Israeli Citrus Marketing Board (CMB), "Extending storage life of OR mandarin variety and testing new fungicides for the control of postharvest rots of citrus", Samir Droby, $18,000/$18,000.
2005	Israel Board of cut flowers, "Preventing decay on Ruscus and Phytosporum during see shipment to the US", Samir Droby and Sonia Philosoph-Hadas, $15,000/$15,000.
2007	Lesaffre International (France), "Screening of biocontrol activity of baker's, wine and beer yeasts" Samir Droby and Martin Goldway, 55,000 Euro/110,000 Euro.
2009	Adamant Technologies (Switzerland), "testing antimicrobial new technology of electrolyzed water", Samir Droby. 15,000 Euro/15,000 Euro.
2010 - 2012	Bayer CropScicene (Germany), "Elucidation of mode of action of the yeast biocontrol agent *Metschnikowia fructicola*", Samir Droby, 150,000 Euro/150,000 Euro.

8. Teaching at the Hebrew University:

a) Supervision of Master's and Doctoral degree Students:

Master's degree students:

1991 - 1993	Dalia Rubin, co-supervisor - Prof. I. Chet, Faculty of Agriculture, Hebrew University of Jerusalem, degree completed 1993.
1991-1994	Amos Avraham, co-supervisor - Prof..O. Shoseyov, Faculty of Agriculture, Hebrew University of Jerusalem, degree completed,
1999 -2001	Victor Vinicor, co-supervisor - Prof. E. Goldschmid, Faculty of Agriculture, The Hebrew University of Jerusalem, degree completed 2001.
2002 -2004	Meri Ben-Yefet, co-supervisor - Prof. E. Goldschmid, Faculty of Agriculture, The Hebrew University of Jerusalem, degree completed 2004.
2003-2005	Sheri Gerzon, co-supervision - Prof. Yossi Raiov, Faculty of Agriculture, The Hebrew University of Jerusalem, degree completed 2005.
2004 - 2006	Adi Darmon, co-supervisor - Dr. Roni Shapira), Faculty of Agriculture, The Hebrew University of Jerusalem, degree complete.
2008 - 2010	Roni Har-Noi, co-supervisor Dr. Roni Shapira, Faculty of Agriculture, The Hebrew University of Jerusalem, degree completed 2010.
2009 -2011	Clarita Ben-Daian, Faculty of Agriculture, The Hebrew University of Jerusalem, completed 2011.
2010 to date	Lemor Freed, co-supervisor - Prof. Yigal Elad, Faculty of Agriculture, The Hebrew University of Jerusalem, *in progress*.
2010 to date	Lina Taha, co-supervisor - Dr. Maggi Levy, Faculty of Agriculture, The Hebrew University of Jerusalem, *in progress*.

Doctoral degree students:

1995-2000	Tertza Zahavi, Faculty of Agriculture, The Hebrew University of Jerusalem. Degree completed 2002, Title: "Use of yeasts for biological control of grape bunch rots and factors affecting their growth".
1997-2000	Leonardo Schena, University of Bari, Italy, degree completed 2000, Title: "Developing biocontrol methods for the control of pre and Postharvest rots and wine and table grapes".
2000 -2003	Ozgur Karabulut, Uludag University, Bursa, Turkey, Degree completed 2003, Integration of hot water treatments with yeast antagonists for the control of postharvest rots of peach and nectarines, (2003).

b) Postdoctoral Fellows and Visitors (6 months or longer):

1997-1988	Dr. Pervin Keny, University of Izmir, Turkey, Biological Control of Postharvest Diseases of Citrus Fruits.
2000 - 2004	Dr. Meirav Bar Shimon, Postdoctoral Scientist. Research on Characterization of cell wall degrading enzymes of the yeast antagonist *Candida oleophila,* # 63, 67.
2005 - 2007	Dr. Dumitru Mcaricin, Postdoctoral fellow, research on resistance mechanisms of fruit seeds to pathogens. # 71, 72, 74, 76.
2010 to date	Dr. Vera Hershokivtz, Postdoctoral fellow, Research on Molecular mechanism of yeast biocontrol agents.

LIST OF PUBLICATONS

1. Doctoral Dissertation:

Title: "The Mechanism of Latency of the Fungus *Alternaria alternata* on Mango Fruits".

Supervisors: Prof. B. Jacoby, Prof. E. Glotter and Prof. D. Prusky, Faculty of Agriculture, the Hebrew University of Jerusalem.

Date of award of degree: December 1985.

2. Books:

1. Wilson, C.L. and Droby, S. (2000). Food Microbial Contamination. CRC Press. Boca Raton, FL. 290 pages.

3. Books Edited:

1. Wisniewski, M. and Droby, S. (2011). Biological Control of Postharvest Diseases: Challenges and Opportunities. ISHS, Belgium. 318pages.

4. Chapters in Collections:

1. Droby, S. and Chalutz, E. (1994). Mode of action of biocontrol agents of postharvest disease In: *Biological Control of Postharvest Diseases: Theory and Practice*. (C.L. Wilson and M.E. Wisniewski, eds.). CRC Press, Inc. pp. 63-76

2. Hofstein, R., Droby, S. and Chalutz, E. (1994). Large scale production and pilot testing of biocontrol agent of postharvest diseases. In: *Biological Control of Postharvest Diseases: Theory and Practice*. (C.L. Wilson and M.E. Wisniewski, eds.). CRC Press, Inc. pp. 89-100.

3. Droby, S. and Chalutz, E. (1999). Biological control of postharvest diseases of citrus fruit. In: *Recent Advances in Postharvest Diseases and Disorders of Citrus Fruit*. (M. Schirra, ed.). Research Signpost Publisher: Trivandrum, India. pp 107-122.

4. Droby, S., Chalutz, E., Wisniewski, M.E. and Wilson, C.L. (1996). Host response to introduction of antagonistic yeasts for control of postharvest decay. In: *Microbiology of Aerial Plant Surfaces*. (C.E. Morris, P. Nicot and C. Nguyen-The, eds). Plenum Pub. Co. pp 73-90,

5. Chalutz, E., and Droby, S. (1996). Biological control of postharvest diseases. In: *Plant-Microbe Interactions and Biological Control*. (G. J. Boland and L.D. Kuykendakk, eds.). Marcel Dekker Inc. New York. pp 157-177.

6. Wisniewski, M. E., and Droby, S. (1996). How natural antagonists work to bring about biological control. In: *Technology Transfer in Biological Control: From Research to Practice.* (C. Silvy, ed.). International Organization for Biological Control, Montpellier, France. Vol.19, pp 125-135

7. Stevens, C., Khan, V.A., Lu, J.Y., Wilson, C.L., El-Ghaouth, A., Chalutz, E., and Droby, S. (1997). Low dose UV-C as new approach to control decay of harvested commodities. In: *Recent Research Developments in Plant Pathology*.(S.G. Pandalai ed.). Research Signpost, Scientific Information Guild. pp 155-196.

8. Droby, S., Wisniewski, M.E., Wilson, C.L. and El-Ghaouth, A. (2000). Biologically-based technology for the Control of Postharvest Diseases. In: *Food Microbial Contamination*. (C. Wilson and S. Droby, eds.). CRC Press, Boca Raton, FL. pp 187-205.

9. Droby, S. (2001). Enhancing biocontrol activity of microbial antagonists of postharvest diseases., In: *Enhancing Biocontrol Agents and Handling Risks*. (M. Verro, J. Gressel, T. Butt, G. Harman, A. Pilgeram, R. Leger, D. Nuss, eds). IOS Press, NATO Science series. pp 77-85

10. El Ghaouth, A, Droby, S, Wilson, C., Wisniewski, M, Smilanick, J. and Korsten, L. (2002). Biological control of postharvest diseases of citrus fruit. In: *Biological Control of Major Crop Plant Diseases*. (Gnanamanickmam, S., ed). Marcell Dekkar, NY. pp 219-238

11. El Ghaouth, A., Wilson, C.L., Wisniewski, M.E., Droby, S., Smilanick, J.L. and Korsten, L. (2002). Biological control of postharvest diseases of fruits and vegetables. In: *Applied Mycology and Biotechnology Vol 2*. (G.G. Khachatourians & D.K. Arora, eds.), Elsvier, Amesterdam, London, New York, Oxford, Paris, Tokyo. pp 219-238

12. Droby, S. and Lichter, A. (2004). Postharvest Botrytis infection: Etiology, Development and Management. In: *Botrytis: Biology, Pathology and Control*. (Y. Elad, B. Williamson, P. Tudzynski, and N. Delen, eds). Kluwer Academic Publishers. pp: 349-367

13. Stevens, C., Khan, V. A., Wilson, C. L., Lu, J. Y., Pusey, L., Bassett, C. L., Igwegbe, E. C. K., Wisniewski, M., Chalutz, E.; Droby, S. and El-Ghaouth, A. (2006). Photobiological Effects of radiation hormesis on the control of postharvest decay and delayed senescence and ripening of postharvest crops. In: *Recent research developments in bioenergetics*. (S. G. Pandalai, ed.). Transworld Research Network Kerala: Transworld Research Network. pp. 43–80.

14. Wisniewski, M, Wilson, C., Droby, S., Chalutz, E., El-Ghaouth, A. and Stevens, C. (2007). Postharvest biocontrol: the discovery of new concepts and applications. In: *Biological Control: International case studies*. (C. Vincent, M. Goettel and G. Lazarovits, eds). CABI Publishing, U.K. pp. 262-273.

15. Castoria, R., Wright, I.S.A. and Droby, S. (2008). Biological control of mycotoxigenic fungi in fruits. In: *Mycotoxins in fruits and vegetables*. (R. Barkai-Golan, and N. Paster, eds.). Elsevier, San Diego, CA, US. pp. 311-335.

16. Droby, S, Wisniewski, M. and N Benkeblia. N. (2011). Postharvest pathology and strategies for decay control in tropical and subtropical fruits. In: *Postharvest Biology and Technology of Tropical and Sub-tropical Fruits*. (E. M. Yahia, ed.). Woodhead Publishing Ltd. pp 194-223.

17. Wisniewski, M.E. and Droby. S. (2011). Biopreservation of food and feed by postharvest biocontrol with microorganisms. In: *Microbes and the Law - Safety Assessment and Regulation of Beneficial Organisms*. (I. Sundh, A. Wilcks, and M. S. Goettel, eds). CABI, Cambridge, England. (*in press*).

Review Articles:

1. Droby, S., Chalutz, E. and Wilson, C. L. (1991). Antagonistic microorganisms as biological control agents of postharvest diseases of fruits and vegetables. Postharvest News and Information 2: 168-173. (Invited).

2. Palou, L., Smilanick, J.L.and Droby, S. (2008). Alternatives to conventional fungicides for the control of citrus postharvest green and blue Moulds. Stewart Postharvest Review 2 (2): 1-16 (invited).

3. Philosoph-Hadas, S., Meir, S., Droby, S., Rosenberger, I. and Perzelan, Y. (2008). Improving quality of decorative foliage and leaves during long distance sea shipment from Israel under controlled atmosphere (CA). Israel's Agriculture 2008 – The International Catalogue for Advanced Agricultural Technology: 6-8. (Invited).

4. Wisniewski, M. and Droby, S. (2009). Postharvest biocontrol: Introspection and paradigm shifts. Postharvest News and Information 30 (2): 28-29. (Invited).

5. Articles:

1. Droby, S., Prusky, D., Dinoor, A.and Barkai-Golan, R. (1984). Pathogenicity of *Alternaria alternata* on potato in Israel. Phytopathol. 74:537-542.

2. Droby, S., Prusky, D., Dinoor, A. and Barkai-Golan R. (1984). *Alternaria alternata*: A new pathogen in stored potatoes in Israel. Plant Dis. 68: 160-161.

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7. Chalutz, E., Droby, S., Cohen, L., Weiss, B., Barkai-Golan, R., Daus, A. and Fuchs, Y. (1991). Biological Control of Botrytis, Rhizopus and Alternaria rots of tomato fruit by *Pichia guilliermondii*. *Proc. Workshop on Biological Control of Postharvest Diseases of Fruits and Vegetables*. Shepherdstown, WV, US. Dept. Agr. Agr. Res. Serv. Publ. 92: 71-85.

8. Hofstein, R., Droby, S., Chalutz, E. and Wilson, C.L. (1991). Scaling up the production and application of an antagonist from basic research to R & D. Proc. *Proc. Workshop on Biological Control of Postharvest Diseases of Fruits and Vegetables*. Shepherdstown,

WV, US. Dept. Agr. Agr. Res. Serv. Publ. 92: 197-210.

9. Ben-Arie, R., Droby, S., Zutkhi, J., Cohen, L., Weiss, B., Sarig, P., Zeidman, M., Daus, A. and Chalutz, E. (1991). Preharvest and postharvest biological control of table grapes with antagonistic yeasts. *Proc. Workshop on Biological Control of Postharvest Diseases of Fruits and Vegetables*. Shepherdstown, WV, US. Dept. Agr. Agr. Res. Serv. Publ. 92:100-113.

10. Stevens, C., Lu, J.Y., Khan, V. A., Wilson, C.L., Chalutz, E. and Droby, S. (1991). Ultraviolet light induced resistance against postharvest diseases in vegetables and fruits. *Proc. Workshop on Biological Control of Postharvest Diseases of Fruits and Vegetables*. Shepherdstown, WV, US. Dept. Agr. Agr. Res. Serv. Publ. 92: 268-293.

11. Wisniewski, M.E., Biles, C. L. and Droby, S. (1991). The use of the yeast *Pichia guilliermondii* as a biological control agent: Characterization of the attachment to *Botrytis cinerea*. Proc. Workshop on Biological Control of Postharvest Diseases of Fruits and Vegetables. Shepherdstown, WV, US. Dept. Agr. Agr. Res. Serv. Publ. 92: 167-183.

12. Droby, S., Wisniewski, M., Wilson, C., Avraham, A., Shoseyov, O., and Chalutz, E. (1993). Possible modes of action of yeast antagonists of postharvest diseases. Bulletin OILB/SROP on Biological Control of Foliar and Postharvest Diseases. Vol 16(11): 186-189.

13. Droby, S. and Chalutz, E. (1994). Successful biocontrol of postharvest pathogens of fruits and vegetables. Proc. Brighton Crop Protection Conference - Pests and Diseases 1994*:* 1265-1272.

14. Droby, S., Chalupovicz, L., Chalutz, E., Wisniewski, M.E., and Wilson, C.L. (1995). Inhibitory activity of yeast cell wall materials against postharvest fungal pathogens. Phytopathol 85: 1123.

15. Droby, S., Philosoph-Hadas, S., and Horev, B. (1997). The potential use of biological control strategies against storage rots of flower corms and bulbs. Dapi Medah 12: 66-67. (In Hebrew).

16. Cohen, L., Cohen, E., Horev, B., Weiss, B., Shapiro, B., Daus, A., and Droby, S. (1997). Biological control of brown rot in citrus caused by the fungus *Phytophthora citrophthora.* Organic Agriculture 34: 18-19. (In Hebrew).

17. Meir, S., Philosoph-Hadas, S., Droby, S., Reuveni, Y., Horev, B., Davidson, H. and Stav, D. (1997). Improvement of water potential in waxflowers exported to Japan under Unfavorable conditions. Dapi Medah 7: 56-61. (In Hebrew).

18. Porat, R., Wiess, B., Cohen, L., and Droby, S. (2000). Identification of chitinase and β-1,,3-glucanase cDNAs from citrus fruit. Acta Hort. 535: 133-137.

19. Droby, S., Cohen, L., Weiss, B., Daus, A., and Wisniewski, M. (2001). Microbial control of postharvest diseases of fruits and vegetables – current status and future outlook. Acta Hort. 553(2): 371-376.

20. Wisniewski, M., and Droby, S. (2001). Non-chemical approaches to postharvest diseases control. Acta Hort. 553 (2): 407-412. (*Contributed equally to this work as first author).

21. Droby, S., Porat, R., Vinokur, V., Cohen, L., Weiss, B., and Daus, A. (2001). Induction of resistance to postharvest decay by the yeast biocontrol agent *Candida oleophila.* IOBC WPRS Bull.24(3): 297-301.

22. Wisniewski, M.E., Wilson, C.L., El Ghaouth, A. and Droby, S. (2001). Increasing The ability of the biocontrol product, Aspire, to control postharvest diseases of apple and peach with the use of additives. IOBC WPRS Bull. 24: 157-160.

23. Droby, S., Wisniewski, M., El-Ghaouth, A. and Wilson, C. (2003). Biological control of postharvest diseases of fruit and vegetables: current achievements and future challenges. Acta Hort. 628:703-713.

24. Droby, S. (2006). Improving Quality and Safety of Fresh Fruits and Vegetables After Harvest by the Use of Biocontrol Agents and Natural Materials. Acta Hort. 709, 45-51.

25. Droby, S. (2006). Biological control of postharvest diseases of fruits and vegetables: difficulties and challenges. Phytopathol. Pol. 39: 105–117.

26. Droby S., Wisniewski, M.[C], El-Ghaouth, A.[C] and Wilson, C.[C] (2003). Biological Control of Postharvest Diseases of Fruits and Vegetables: Current Achievements and Future Challenges. Acta Hort. 628,: 703-713.

27. Droby, S. (2007). Postharvest diseases control breakthroughs in fruits and vegetables: A general overview . Proc. Phytoma meeting, Valencia, May 2007, Spain, Pages 11-19.

28. Philosoph-Hadas, S., Droby, S., Rosenberger, I., Perzelan, Y., Salim, S., Shtein, I. and Meir, S. (2007). Sea transport of ornamental branches: problems and solutions. Acta Hort. 755: 267-276.

29. Philosoph-Hadas, S., Perzelan, Y., Rosenberger, I., Droby, S. and Meir, S. (2009). Leucadendron 'Safari Sunset': Postharvest Treatments to Improve Quality of Cut Branches during Prolonged Sea Shipment. Acta Hort. 869: 207-217.

30. Philosoph-Hadas, S., Perzelan, Y., Droby, S., Bar-Tal, A., Shtein, I., Salim, S., and Meir, S. (2012) *Pittosporum* cut branches: Characterization and prevention of the brown spots on the variegated leaves during growth and sea transport. Acta Hort. (*in press*).

6. Participation in Scientific Conferences, Lectures and Other Activity:

6.1. International Conferences:

61.1. Invited lectures:

1990	**Droby, S**., Chalutz, E., Cohen, L., Weiss, B. and Wilson C L., "Nutrition competition as a mechanism of action of biological control agents of postharvest diseases". International workshop on Biological Control of Postharvest Diseases of Fruits and Vegetables, Shepherdstown, WV, USA. September, 1990, (full reimbursement of expenses)
1992	**Droby, S**., "Reducing the use of chemical fungicides by the use of biocontrol methods to control postharvest decay of fruits". Anglo-Israeli Symposium on Non-chemical Approaches to Pest and Disease Control in Horticulture. Wellesbourne, UK. March 1992, (full reimbursement of expenses).
1992	**Droby, S**. and Chalutz, E., "Biocontrol strategies for the control of postharvest diseases". Second IOBC/EFPP workshop on Biological Control of Foliar and Postharvest Diseases. Wageningen, Holland. November 1992.
1993	**Droby, S**., Chalutz, E., Wilson, C.L. And Wisniewski, M.E., "Enhancing performance of postharvest biocontrol agents". The 6th International Society of Plant Pathology (ISPP) congress, Montreal, Canada, August 1993.
1994	**Droby, S**. and Chalutz, E., " Successful biocontrol of postharvest pathogens of fruits and vegetables". British Crop Protection Council, The Brighton Conference, Brighton, UK. **Plenary** lecture. (Full reimbursement of expenses).
1995	**Droby, S.,** Chalutz, E., Wisniewski, M.E., Wilson, C.L., "Host response to introduction of yeasts used for the control of postharvest decay". The 6th International Symposium on Microbiology of Aerial Plant Surfaces. Bendor, France, September 1995. (Partial reimbursement of expenses).
1995	**Droby, S**., "Biocontrol of postharvest diseases". Turkish National Horticultural Congress, Adana, Turkey, October 1995. **Plenary** lecture. (Full reimbursement of expenses)**.**
1996	**Droby, S**., Chalutz, E. and Wilson, C.L., "Mode of action of yeast biocontrol agents". International meeting on Technology Transfer in Biological Control: from Research to Practice, Montpellier, France. September 1996.
1997	**Droby, S**. and Chalutz, E., "Biocontrol agents for the control of postharvest pathogens". Japan-Israel workshop on Novel Approaches for Controlling Insect Pests and Plant Diseases, July 1995, Ma'ale Hamesha, Israel.
1997	**Droby, S**., "Development and use of biotechnology for agricultural applications". Israel-Texas Conference on Strategic Technology Partners. December 1997, Austin, Texas, USA. (Full reimbursement of expenses)**.**
1998	**Droby, S**., Wilson, CL., Chalutz, E. and Wisniewski, M.E., "Overview of problems facing commercialization of biological control products of

	postharvest diseases". The 7th International Plant Pathology Society Congress. Edinburgh, Scotland, August 1998.
1998	**Droby, S**., Chalutz E., "Development of a biologically-based biofungicides for the control of postharvest diseases of fruits and vegetables". The 1st International Citrus Biotechnology Symposium. Elat, Israel, December 1998.
1999	The American Society of Industrial Microbiology Annual meeting. Invited **Plenary** lecture on "Commercialization of Microbes for the Control of Postharvest Diseases". Arlington, VA, August 1999. (Partial reimbursement of expenses).
2000	**Droby, S.,** Chalutz E., Wisniewski, ME. And Wilson, C.L., "Microbial Control of Postharvest Diseases of Fruits and Vegetables: current status and future outlook". The 4th International Congress on Postharvest Sciences – Postharvest 2000, March 2000, Jerusalem, Israel.
2000	**Droby, S**., "Improving Food Quality by Reducing Fungicide Use". International Symposium on "Food production and the Quality of Life". Sassari, Italy. September 2000. (Full reimbursement of expenses)**.**
2001	**Droby, S**. "Mode of action of yeast biocontrol agents". NATO Advanced Research Workshop on "Enhancing biocontrol agents and handling risks". June 9-15, 2001, Florence, Italy. (Full reimbursement of expenses)**.**
2002	**Droby, S.,** Wisniewski M.E. and Wilson C.L., "Biological Control of Postharvest Diseases of Fruits and Vegetables: Current Achievements and Future Challenges". International Horticultural Congress on:, Toronto, Canada, August 2002. (**Keynote** lecture, Partial reimbursement of expenses)**.**
2002	**Droby, S.** "Biocontrol strategies to reduce postharvest rots", Gordon Research Conference on "Postharvest Physiology", Mount Holyoke College, South Hadley, Massachusetts, USA, August 2002, (**Plenary** lecture, Partial reimbursement of expenses)**.**
2003	**Droby, S**., "Mechanisms of Biological Control of Postharvest Pathogens**".** International Congress of Plant Pathology, Christchurch, New Zealand, February 2003, (Partial reimbursement of expenses)**.**
2004	**Droby, S.,** "Meeting the challenge of controlling Botrytis rot in harvested agricultural commodities". XIII International Botrytis Symposium, Antalya, Turkey, October 2004. (Partial reimbursement of expenses)**.**
2005	**Droby, S.,** "Naturally based control strategies of postharvest diseases of fruits and vegetables". International meeting on " Natural Preservatives in Food Systems", March 2005, Princeton, NJ, USA, (Full reimbursement of expenses)
2005	**Droby, S**., "Integrated Non-chemical Approaches for the Control of Postharvest Decay of Fruits and Vegetables". American Phytopathological Society Annual meeting , July 2005, Austin TX, USA, (Full reimbursement of expenses)
2005	**Droby, S**., "Biological control of postharvest diseases: Challenges and Opportunities". International Conference on "Biological and Pro-ecological methods for control of diseases in orchards and small fruit

	plantations" , August 2005, Skierniewicie, Poland**,** (**keynote** lecture Full reimbursement of expenses)
2006	**Droby, S.**, " Integrated Control of Postharvest Pathogens of fruits and Vegetables: An Overview", COST Action 924 meeting on: "Enhancement and Preservation of Quality and Health Promoting Components in Fresh Fruits and Vegetables", September 2006, Spa Belgium**,** (**keynote** lecture on Full reimbursement of expenses)
2007	**Droby, S**., "Post-harvest fruit and Vegetable technology and Health – Marketing and Food Safety", 17th International Phytoma Symposium on: Invited lecture on: "Postharvest Disease Control Breakthroughs in Fruits and Vegetables: an Over View", April 2007, Valencia, Spain. (**Keynote** lecture, (Full reimbursement of expenses).
2008	**Droby, S**., "Current status and future directions in postharvest handling of citrus fruit", EuroMedCitrusNet Conference, July 2008, Catania, Italy. (Full reimbursement of expenses)
2008	**Droby, S**. "New developments in the biocontrol of postharvest diseases of fruits and vegetables. 9th International Congress of Plant Pathology (ICPP 2008) , Torino, Italy, August 2008.
2008	**Droby, S.,** "Developing biological Control Agents for Postharvest Use". International Meeting on Biological Control, Colonia, Uruguay, September 2008. (Full reimbursement of expenses)
2008	**Droby, S.,** "Postharvest handling of citrus fruit". EuroMedCitrusNet Conference, October 2008, Agadir, Morocco. (Full reimbursement of expenses).
2009	**Droby, S**. and Wisniewski, ME., "Commercial development and application of postharvest biological control agents", 6th International Postharvest Congress", Antalya, Turkey, April 2009. (Partial reimbursement of expenses).
2009	**Droby, S.,** "Specificity of infection by Penicillium and ways to controlling it". COST action 864 meeting: Combining Traditional and Advanced Strategies for Plant Protection in Pome Fruit Growing, Campobasso, Italy, November 2009. (Full reimbursement of expenses).
2010	**Droby, S.,** "Recent innovations in Postharvest handling of citrus fruit", International Conference on Food Exports Control and Coordination, October 2010, Agadir, Morocco. (Full reimbursement of expenses).
2010	**Droby, S.** and Wisniewski, ME., "Current knowledge on mode of action of postharvest biocontrol agents: an overview". International Workshop On postharvest biocontrol: challenges and opportunities, October 2010, Leesburg, VA, USA. (Full reimbursement of expenses).
2011	**Droby, S**., "Transcriptome analysis of grapefruit flavedo in response to application of the yeast biocontrol agent *Metschnikowia fructicola*". International Congress on Postharvest Pathology, April 2011, Lleida, Spain. (Partial reimbursement of expenses).
2011	**Droby, S**., "Biochemical and Molecular Host responses to postharvest Yeast biocontrol agents", The Annual Italian Phytopathological Society congress, September 2011, Bologna, Italy. (Full reimbursement of

	expenses)
2012	**Droby, S**., "Development and application of Biocontrol agents to control postharvest diseases". International congress on Postharvest Quality, February 2012, Bangkok, Thailand. **(Keynote** lecture, full reimbursement of expenses).
2012	**Droby, S.**, "Yeasts as biological control agents of postharvest rots of fruits". 13th International Congress on Yeasts, August 2012, Madison, WI, US. (Partial reimbursement of expenses).

6.1.2. Other lectures:

1988	**Droby, S**., Chalutz, E., Ben-Arie, R., Cohen, L., Weiss, B. and Wilson, C. L., "Yeasts as biocontrol agents of postharvest diseases of fruits", Postharvest 88 Symposium, Leuven, Belgium.
1989	**Droby, S**., Chalutz, E., Ben-Arie, R., Cohen, L., Weiss, B. and Wilson, C. L., "The discovery of yeasts for biological control of postharvest pathogens", The first Israeli-Italian Phytopathological Symposium. Bet Dagan, Israel. February 1989.
1990	**Droby, S**., Chalutz, E. and Wilson C.L., "Epiphytic yeasts as biocontrol agents of postharvest diseases of fruits and vegetables". 5th International Symposium on the Microbiology of the Phyllosphere, Madison, WI, USA.
1993	**Droby, S**., Chalutz, E., Hofstein R., Fredlander T., "Development of yeasts as postharvest biocontrol agents". The 6th International Society of Plant Pathology congress. Montreal, Canada. July 1993.
1994	**Droby, S**., Chalupovicz, L., Chalutz, E., Wisniewski, M.E., and Wilson, C.L., "Inhibitory activity of yeast cell wall materials against postharvest fungal pathogens". American Phytopathological Society annual meeting. Albuquerque, NM, USA. August 1994.
1994	**Droby, S**., Chalutz, E., Wisniewski, ME. And Wilson, CL., "Nutrient competition as mode of action of yeast antagonists of postharvest diseases". The 5th International Mycological Congress, Vancouver, Canada. August 1994.
1994	**Droby, S**., Wisniewski, M.E., Chalutz, E., and Wilson, C.L., "Complex mechanisms of action involved in the biocontrol activity of yeast antagonists of postharvest diseases of fruits and vegetables". The 9th Congress of the Mediterranean Phytopathological Union, Kusadasi-Aydin, Turkey. September 1994.
1995	**Droby, S**., Lischinsky, S., Cohen, L., Manulis, S., Mehra, R.K., and Eckert, J.W., "Epiphytic yeasts of citrus fruit tolerant to extreme conditions are effective antagonists of green mold decay". The American hytopathological Society annual meeting, Pitsburgh, PA, USA. August 1995.
2000	**Droby, S**., Porat, R., Vinocur, V., Cohen, L., Weiss, B., and Daus, A. "Induction of resistance to postharvest decay of citrus fruit by the yeast biocontrol agent *Candida oleophila".* The American Phytopathological

	Society Annual Meeting. New Orleans, USA, August 2000.
2000	**Droby, S**., Porat, R., Vinokur, V., Cohen, L., Weiss, B., and Daus, A. "Induction of resistance to postharvest decay by the yeast biocontrol agent *Candida oleophila*". 6th IOBC/WPRS – EFPP workshop on: " Biological Control of Fungal and Bacterial Plant Pathogens: Biocontrol agents mode of action and their interaction with other means of control". Seville, Spain, November 2000.
2002	**Droby, S**. Wisniewski, ME. And Wilson, CL. "Biocontrol on harvested commodities". 7th IOBC/WPRS – EFPP workshop on: " Biological Control of Fungal and Bacterial Plant Pathogens: Influence of Biotic and Abiotic Factors". Kusadasi, Turkey, May 2002.
2003	**Droby, S**., Daus, A., Cohen, L., Weiss, B. and Porat, R. "Use of hot water, food preservatives and biocontrol for reducing postharvest decay of citrus fruit"**.** 8th International congress of plant pathology, February 2003, christchaurch, New zealand.
2006	**Droby, S**., Cohen, L., Keren-Zur, M, Belchensk, D. "Integrated Approach to Enhance Biocontrol Efficacy of Postharvest Biocontrol Agents". IOBC IX meeting of the "Phytopathogens" group: "Fundamental and Practical Approaches to Increase Biocontrol Efficacy", September 2006, Spa, Belgium.
2006	Keren Zur, M., Lazar, M., Bercovitz, A., Husid, A., Feldman, K., Di Primo, P. and **Droby, S** . "Improving biocontrol efficacy of "Shemer" by integration with other means". OST Action 924 meeting on: "Enhancement and Preservation of Quality and Health Promoting Components in Fresh Fruits and Vegetables", September 2006, Spa Belgium.
2008	**Droby, S**., Eick, A., Macarisin, D., Cohen, L. and Ginat R. "The role of volatile compounds in recognition and germination of *Penicillium digitatum* and *Penicillium italicum* on citrus fruit". International Citrus Congress, Wuhan, China, October 2008.
2008	**Droby, S**., Macarisin, D., Cohen, L. and Ginat R. "Mechanism of specificity of *Penicillium digitatum* on citrus fruit". International Citrus Congress, Wuhan, China, October 2008.
2010	**Droby, S.,** Macarasin, D., Wisniewski, M., "Involvement of ROS in mechanism of action of yeast biocontrol agents of postharvest diseases". IOBC/WPRS Working group: "Biological control of fungal and bacterial plant pathogens: "Climate change: challenge or threat to biocontrol?" Gratz, Austria, June 2010.

6.1.3. Posters

1987	**Droby, S**. and Coffey, MD., "Enhanced biodegradation of metalaxyl in soils", American Mycological Society and Canadian Phytopathological Society joint meeting, Ottawa, Canada, June 1987.
1990	**Droby, S**., Chalutz, E. and Wilson, C. L. "The biocontrol activity of a yeast strain US-7 against postharvest diseases of fruits and vegetables: Possible modes of action". The American Phytopathological Society Annual

	Meeting. Grand Rapids, MI, USA. August 1990.
1991	International Symposium on: "Frontiers of Biotechnology in Agriculture". Sea of Galilee, Israel. August 1991.)
1993	**Droby, S**., Cohen, L. and Weiss, B., "Development of PCR-based methods to study yeast populations on fruit surfaces". Modern Techniques for Detection of Plant Pathogenic fungi. Oxford, England. March 1993.
1994	Lizak, U. (Student), **Droby, S**., Cohen, E., Chalutz, E., Noiman, Z., Shapiro, B., and Shalom, Y. "Biological control of brown rot of citrus fruit caused by *Phytophthora citrophthora* by various Trichoderma species". 9th Congress of the Mediterranean Phytopathological Union. Kusadasi-Aydin, Turkey.
1995	**Droby, S**., Horev, B., Chalupovicz, L., and Cohen, E., "Biological control of brown rot of citrus fruit caused by *Phytophthora citrophthora".* The American Phytopathological Society Annual Meeting, Pittsburgh, PA, USA. August 1995.
2000	Sigal, E. (Student), Yehuda, H., **Droby, S.,** Wisniewski, M., and Goldway, M., "Cloning and expression of the 1,3-ß-glucanase gene of the yeast biocontrol agent *Candida oleophila".* 4th International Symposium on Postharvest Sciences, March 2000, Jerusalem. Israel
2000	Meir, Philosoph-Hadas, S., Porat, R., Davidson, H., Salim, S., Cohen, L., Weiss, B., and **Droby, S**. "Methyl jasmonate induces resistance against postharvest pathogens of cut rose flowers and citrus fruits". 4th International Symposium on Postharvest Sciences, March 2000, Jerusalem. Israel.
2000	Philisoph-Hadas, S., Dudai, N., Kovashvenikov, A., Rosenberger, I., Ravid, U., Putievsky,E., and **Droby, S**. "Potential use of essential oils for decay control in stored flower bulbs". 4th International Symposium on Postharvest Sciences, March 2000, Jerusalem. Israel.
2000	Porat, R., Daus, A., Weiss, B., Cohen, L., Falik, E., and **Droby, S**. "Reduction of postharvest decay of citrus by a short hot water brushing treatment". Xth Cong. International Society Citriculture Conference, Orlando, USA.
2000	Porat, R., Pavoncello, D., Peretz, Y., Weiss, B., Cohen, L., Daus, A., Ben-Yehoshua, S., Falik, E., Lurie, S., and **Droby, S**. "Effects of heat treatment on the induction of cold tolerance, fruit quality and resistance to pathogens in 'Star Ruby' grapefruit". 4th International Symposium on Postharvest Sciences, March 2000, Jerusalem. Israel.
2002	Bar-Shimon, M. (Post Doc), Yehuda, H., Goldway, M., Wisniewski, M. and. **Droby, S**. "Characterization of Extracellular Lytic Enzymes Produced by the Postharvest Biocontrol Agent *Candida oleophila*". XVI International Horticultural Congress, August 2002, Toronto, Canada.
2002	Keren Zur, M., Lazar, M., Bercovitz, A., Husid, A., Feldman, K., Di Primo, P. and **Droby, S**. "Biological control of strawberry fruit rot by "Shemer"- a yeast based pesticide IOBC/WPRS-EFPP symposium. Kusadasi, Turkey, May 2002.
2003	Bar-Shimon, M. (Post Doc), Yehuda, H., Goldway, M., Wisniewski, M. and. **Droby, S**. "Involvement of cell wall degrading enzymes in the mode

	of action of the yeast biocontrol agent Candida oleophila". 8th International congress of plant pathology, February 2003, Christchaurch, New Zealand.
2007	Eick, A. (student) , Cohen, L., Rafael, G., Shapira R. and **Droby, S.** Citrus volatiles promote spore germination of Penicillium digitatum" XIII International Congress on Molecular Plant-Microbe Interactions, July 2007, Sorrento, Italy.
2008	Macarisin, D. (Post Doc), Cohen, L., Rafael, G., Wisniewski, M. and **Droby, S.** "Suppression of the defence related H_2O_2 burst by *Penicillium digitatum* infection of citrus fruit". 9th International Congress of Plant Pathology (ICPP 2008) held in Torino, August 2008.
2010	Hershkovitz V. (Post Doc), Ben-Dayan, C., Cohen, L., Weiss, B., Raphael G., Pasmanik-Chor, M., Wisniewski, M. Liu, J. and **Droby, S**. "Expression of oxidative stress related genes in grapefruit peel in response to the yeast biocontrol agent *Metschnikowia fructicola*". International Workshop On postharvest biocontrol: challenges and opportunities, October 2010, Leesburg, VA, USA.
2011	Macarisin, D. (Post Doc), Norelli, J., Phillips, J., **Droby, S.,** Hershkovitz, V., Liu, J., and Wisniewski, M. "Utilization of an apple microarray for gene expression profiling in stone fruit-postharvest pathogen interactions". International congress on Postharvest Pathology, April 2011, Lleida, Spain.

6.2. Local conferences:

6.2.1. Invited Lectures:

1988	**Droby, S.,** Chalutz, E. and Wilson, C. L., "Microbial protection against postharvest diseases of citrus fruit". Annual meeting of the Israeli Phytopathological Society, Bet Dagan Israel.
1988	**Droby S.**, Chalutz, E., Cohen, L. "Potential use of biocontrol for the control of postharvest diseases". International Bar-Sheva Seminar on Host-Fungus Interactions, Jerusalem, Israel.
1997	**Droby, S.,** Philosoph-Hadas, S**.**, Horev, B., Rosenberger, I., Luria, G., Gutman, S. and Lavee, A. Title: Control of postharvest diseases of geophytes. First Cong. of Israeli Growers of Ornamental Propagation Material (ZAHAR), Shoresh, Israel.
2000	**Droby, S**., "Biological control of postharvest diseases of fruits and vegetables – Development and commercial application:, Annual meeting of the Israeli Phytopathological Society, Bet Dagan, Israel. (**Keynote** lecture).
2000	**Droby, S**., Philosoph-Hada, S., Koveshevikov, A., Cohen, L., Dudai, N., Meir, S., Ravid, U., and Putievski, E. "The potential use of biological control means in bulbs and cut flowers. DIARP Workshop, March 2000, Shfaieem, Israel.

6.2.2. Other lectures:

1985	**Droby, S**., Prusky D. and Jacoby, B., Title: "Possible involvement of an

	antifungal compound in latent infections of the fungus A*lternaria alternata* in unripe mango fruits", Annual meeting of the Israeli Pytopathological Society, Bet Dagan, Israel.
2007	**Eick, A**. (student), Cohen, L., Rafael, G., Lewinson, E., Dudai, N., Shapira R. and **Droby, S**. Title: "Involvement of volatile compounds in the pathoginicity of green and blue mold on citrus fruit. A*nnual meeting of the Israeli Phytopathological Society, Bet Dagan, Israel*.

6.2.3. Posters:

1981	**Droby, S**., Prusky, D., Dinoor, A. and Barkai-Golan, R. *Alternaria alternata* a postharvest pathogen in stored potatoes. Annual meeting of the Israeli Phytopathological Society, Bet Dagan, Israel.

6.3. Other lectures, seminars and training:

1991	One month visit to the USDA-ARS, Fruit Pathology Unit, Appalachia Fruit Research Station, Kearneysville, WV. USA. Large scale tests of yeast biocontrol agents. (Full reimbursement of expenses)
1992	**Droby S.,** "Biological Control of Postharvest Diseases of Fruits and Vegetables". Sandoz Cooperation (Switzerland), Agrochemical Division. March 1992, (Full reimbursement of expenses).
1993	One-week training course on New methods for isolation and testing of yeast antagonists of postharvest diseases at the Department of Plant Protection, University of Bari, Italy. (Full reimbursement of expenses)**.**
1996	One-week visit to the department of Plant Protection, Ege University, Izmir, Turkey. Invited seminar on Biological Control of Postharvest Diseases. (Full reimbursement of expenses)**.**
1999	**Droby S**., two seminars on: "Biological and physical methods for the control of postharvest diseases". Department of Plant Pathology, University of Catania, Italy. May 1999. (Full reimbursement of expenses)**.**
2009	**Droby, S.,** three days intensive course for citrus packers in Turkey organized by the Ege University, Izmir, Turkey on: "Postharvest handling of citrus fruit". (Full reimbursement of expenses)**.**

7. Patents:

1.	**Droby, S**., Chalutz, E., Wilson, C.L. and Wisniewski, M.E. (1996). Fungal composition and method for using same. Israel Patent No. 107, 075.
2.	**Droby, S.** and Chalutz, E. (1996). Fungicides and Method for using same. *Israel Patent* No. 110, 441; *Australian Patent* No. 74143 / 94; *U.S. Patent* S.N. 08/309,959.
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