

DOV PRUSKY, Ph.D.

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CURRICULUM VITAE

Work Address

Department of Postharvest Science
Agricultural Research Organization
The Volcani Center
68 HaMaccabim Road,
P.O.B 15159 Rishon LeZion 7505101,
Israel
Tel: 972-3-96833880
FAX: 972-3-9683622
E-mail: dovprusk@agri.gov.il
Mobile: 972-50-6220080

Home Address

1 Yzik Shtern St. Ap. 18
Tel Aviv
Israel
972-3-9679299

I. Personal

1948	Born Montevideo, Uruguay
1954-1960	Elementary School, "Mexico", Montevideo, Uruguay.
1960-1964	Secondary School, "Suarez", Montevideo, Uruguay.
1965-1967	High School, I.A.V.A., Montevideo, Uruguay.
1967	Immigrated to Israel.
1978	Military service, Israel.
Marital Status	Married, 2 children.

II. University Education and Additional Training

1967-1970	B.Sc. from the Hebrew University of Jerusalem.
1971-1972	M.Sc. from the Hebrew University of Jerusalem, Faculty of Agriculture; Major Subject-Plant Pathology.
1973-1978	Ph.D. in Plant Pathology from the Hebrew University of Jerusalem, Faculty of Agriculture.
1981-1982	Postdoctoral position at the Department of Plant Pathology, U.C.R with Prof. N.T. Keen.
1987-1988	Visiting Professor at the Department of Plant Pathology, U.C.R. with Prof. N.T. Keen.
1992-1993	Visiting Professor at the Department of Plant Pathology, U.C.R. with Prof. N.T. Keen.
2000-2001	Visiting Professor at the Department of Horticultural Crops Quality, USDA. Beltsville with Dr. Bill Conway.

2010-2011	Visiting Professor at the Department of Genetics, University of Salamanca, CIALE, Spain.
2016 -2017	Visiting Professor at the Department of Agronomy, University of Cordoba, Cordoba, Spain
2017	Professor Emeritus at the Department of Postharvest Science.
2017-	Adjunct Professor at College of Food Science and Engineering, Gansu Agricultural University, Lanzhou, China.
2022-2023	Visiting Professor at the Department of Agronomy, University of Cordoba, Cordoba, Spain
2025	Distinguish Scientist at the Chinese Academy of Sciences, Institute of Botany, Chinese Academy of Sciences, Beijing

III. Positions Held and Academic Status

1974-1977	Assistant in Plant Pathology, The Hebrew University of Jerusalem.
1977 to date	Assistant in Plant Pathology, The Hebrew University of Jerusalem.
1983-1988	Appointed Senior Research Scientist at the A.R.O.
1988- 1994	Appointed Associate Principal Scientist at the A.R.O.
1993	Appointed Professor at the Hebrew University of Jerusalem
1994	Appointed Principal Scientist (A+, Full Professor) at the A.R.O.
1994-1998	Head of the Department of Postharvest Science of Fresh Produce in the Institute of Agricultural Products, ARO.
2002-2007	Head Institute of Food Technology, ARO.
2007-2010	Deputy Director of Research & Development, ARO, the Volcani Center, Israel.
2010-2011	Appointed visiting professor at the University of Salamanca, Salamanca, Spain.
2014-2020	Appointed member of the Scientific Committee of the European Cooperation in Science and Technology of the EU Framework Program
2016-2017	Appointed visiting professor at the University of Cordoba, Spain.
2016-	Professor and Scientific Adviser at the College of Horticultural, Gansu, Agricultural University, Lanzhou, China.
2019-2022	Appointed Scientific Adviser at the ARO, the Volcani Center, Department of Science
2019-2022	Appointed Scientific Adviser at the MIGAL- Research Center, University of Tel Hai

IV. Teaching Experience

1993 to day	Lecturer of Postharvest Physiology and Pathology, Faculty of Agriculture, Hebrew University of Jerusalem.
2020 to day	Visiting Professor lecturing on Physiology and Pathology, Faculty of

Plant Sciences, University of Tel Aviv
 1990-2005 Lecturer of Mechanisms of Fungicide action.
 1985-1995 Graduate students lab: Disease Control

1. Tutorial of M. Sc. Students

Samir Droby, Malka Bazak, Einav Bar-Shira, E. Peretz, Ari Peres, Ohad Neriah, Ron Reved, Nirit Dory, Itay Miyara, Yoav Hadas, Eilat Servi, Jeniffer Nim, Oren Moskovitch, Maayan Davidzon, Shiri Barad, Yael Etedgi, Ekaterin Lakomova, Esti Biton, Nofar Glam.

2. Tutorial of PhD Students

Samir Droby, Castro Wattad, Ruth Ardi, Nir Yakoby; Dany Eshel, Wang Ching, Hilla Kramer-Haimovitch, Itay Miyara, Noam Alkan, Shiri Barad, Uriel Maor.

3. Tutorial of Post-Doctoral Fellows

Dr. Lionel Marcus, Dr. Lea Karni, Dr. Dalila Beno-Moualem, Dr. Lea Madi, Dr. Ruth Guetsky, Dr. Graciela Avila (Mexico), Dr. Sigal Brown-Miyara, Dr. Itay Miyara, Dr. Noam Alkan, Dr. Dana Ment, Dr. Neta Luria, Dr. Fangcheng Bi, Dr. Amit Kumar-Dubey, Dr. Dilip Kumar, Dr. Omer Bravda.

V. Membership in Scientific and Agricultural Committees

a. Local

1988-1992 Member of the Biotechnology Center, ARO.
 1988-1992 Member of the BARD review Panel for Food Technology and Postharvest projects.
 1993-1995 Member of the BARD review Panel for Plant Pathology projects.
 1993 to date Member of the Biotechnology Center, ARO.
 1994 to date Member of Avocado Grower Committee.
 1995-1996 Member of the Steering Committee for Plant Pathology Projects, ARO.
 1995 to date Member of the Academic Scientific Commute, ARO.
 1996 to date Head of the Post-Harvest and Food Technology Panel for reviewing project funded by the Head Scientist of the Ministry of Agriculture, DIARP, and BARD.
 1996 to 2015 Member of Steering Committee for Subtropical (mango and lychee) reviewed projects.
 1998-2000 Elected Vice Chair of the Israeli Phytopathological Society
 1999-2000 Elected Chair of the Israel Phytopathological Society.
 1999 to 2015 Member of Academic Professional Committee, ARO.
 2002 to 2014 Member of Steering Committee for Subtropical fruits reviewed projects for the Prime Scientist of the Ministry of Agriculture.
 2015-2020 Elected President Emeritus of the Israeli Phytopathological Society.

2020 to date Elected leader of "Apple 20-30" project for scientific improvement of growth and storage of apple fruits in the north of Israel.

b. International

1990 Member of the Mango Working Group of the International Horticultural Society.

1990 Member of the Steering Postharvest Pathology Committee at the International Society of Plant Pathology (ISPP).

1990 Member of the Steering Committee of the Plenary Postharvest Pathology Committee at the ISPP.

1993 Elected Vice-Chair of the Postharvest Pathology Committee of the ISPP.

1993 Organizer of Satellite Meeting on Biochemistry and Physiology of Postharvest Pathology at 6th International ISPP Meeting.

1994 Organizer of an International workshop on "Novel Aspects of Host-Pathogen Interaction" at the Israeli Phytopathological Society.

1995 Organizing committee of 3rd International Avocado Symposium, Israel.

1996 Organizing committee of 5th International Mango Symposium, Israel.

1998 Secretary and Organizing committee of the 6th International Mycological Congress, Jerusalem.

1998 Elected Chairman of the International Postharvest Pathology Committee of the ISPP.

2000 Organizing the scientific committee of Postharvest 2000, Israel.

2001 Chair of the International Postharvest Pathology Committee of the ISPP.

2002 Organizer of the Postharvest Pathology Section at the ISPP meeting in New Zealand.

2003 Elected-Chairman of the International Postharvest Pathology Committee of the ISPP.

2007 Elected national representative for the Science Officer Food and Agriculture, COST.

2008-2013 Elected-Chairman of the International Postharvest Pathology Committee of the ISPP.

2010-2014 Re-Elected Israel National representative for the Science Officer Food and Agriculture, COST.

2010-2014 Elected by COST for the "Core Leading Group" of the Food and Agriculture Directory Committee of COST, European Union.

2015-2021 Elected Israel National representative to the European Union-COST Scientific Committee for Scientific Evaluation of the proposal.

2019-2021 Re-Elected Israel National representative to the European Union-COST Scientific Committee for Scientific Evaluation of proposal

VI. Editorial Responsibilities

1996 to date	Associate Editor for Journal of Plant Pathology (Italy)
1987 to date	Scientific Adviser for Grants from the International Foundation of Science, Sweden.
2000-2002	Editor of "Host specificity, pathology and host pathogen interaction of <i>Colletotrichum</i> . Jointly with S. Freeman and M. Dickman. APS series.
2009-2018	Editorial Board of Annual Review of Phytopathology
2009	Appointed member of the Editorial Advisory Board to the journal "Australasian Plant Pathology".
2010	Editorial Board of the Journal of Berry Research
2012	Editorial Board of Phytoparasitica.

VII. Special invitation to International Meetings

1983	Invited Speaker at 4 th meeting of ISPP, Melbourne, Australia, on Postharvest Pathology: - Physiology of Infection and - New Fungicides and Resistance.
1987	Invited speaker by the British Society for Plant Pathology on Epidemiology of latent infections.
1987	Chair and invited speaker at the 5 th meeting of the ISPP Pathology on the Session of Physiology of Infection of Postharvest Pathology.
1987	Invited speaker to the Department of Tropical Crops, CSIRO, Melbourne, Australia.
1988	Invited speaker at the 5 th meeting of the International Society of Plant Pathology, Kyoto Japan, on the section: Physiology of Host Pathogen Interactions.
1988	Invited speaker by the British Society for Plant Pathology (BSPP) on a Symposium on "New Methods in the Control of Postharvest Diseases".
1989	Chair and invited speaker on the Disease Session of the 3 rd International Mango Symposium. Darwin, Australia.
1989	Invited speaker at the Postharvest Biological Control Workshop held in West Virginia, USA.
1990	Invited speaker at the BSPP Meeting on Biology and Control of <i>Colletotrichum</i> , Bath, England.
1991	Invited speaker at the 2 nd Avocado World Congress, Anaheim, Ca.
1992	Invited speaker at the Workshop of Postharvest Handling in the First Iberoamerican Horticultural Meeting, Montevideo, Uruguay
1992	Invited Speaker at the 4 th Mango Symposium, Florida, USA.
1993	Invited Speaker on the National Phytopathological Meeting, Costa Rica.
1993	Chair and Invited Speaker at the Satellite Meeting on "Physiological and Biochemical aspects of postharvest host-pathogen interactions" ISPP meeting, Montreal, Canada.
1994	Invited speaker to "Gordon Conference": Postharvest Pathology Session on

- “Resistance to Postharvest Disease and its Manipulation”.
- 1995 Invited speaker to Universidad de la Republica Oriental del Uruguay. Faculty of Sciences, Department of Biochemistry.
- 1996 Invited speaker to the fifth Symposium in Biological Control, Parana, Brasil.
Invited speaker to EMBRAPA, Ministry of Agriculture, Vacaria Exp. Station, Rio Grande do Sud, Brazil
- 1996 Chairman and invited speaker to the session on Postharvest Pathology of the 5th Mango Symposium, Tel Aviv, Israel
- 1997 Invited speaker to the Workshop on “Postharvest handling of Tropical Fruits” for presentation on the subject Containment of fungal infection: Preformed barriers. Organized by the Australian Center for International. Agricultural Research, Chang Mai Thailand.
- 1997 Invited Plenary lecture a Workshop on “Postharvest Handling of Tropical Fruits” for presentation on the subject Mechanism of Resistance of avocado fruits to *Colletotrichum gloeosporioides* attack. Australian Center for International. Agricultural Research, Chang Mai Thailand.
- 1997 Invited Speaker to the Mango Conference in the Middle East on the topic of “Postharvest Diseases in Mango Fruits”.
- 1998 Invited speaker to the "Gordon Conference" to the session on Postharvest Pathology on “Mechanism of Resistance to Postharvest Pathogens in Fruits”.
- 1998 Invited speaker to the European Union TMR-Euro Conference on “Biology and Biotechnology of Plant Hormone Ethylene II” on the subject of “Ethylene involvement in pathogenesis and disease resistance”, Santorini, Greece.
- 1998 Invited Speaker on *Colletotrichum* Workshop supported by BARD
- 1999 Organizer of the *Colletotrichum* Workshop supported by BARD
- 1999 Invited Speaker on the World Avocado Symposium, Michoacan, Mexico
- 1999 Invited speaker to the Brazilian Center for Technology of HortScience Institute for Technology of Fruits. Two talks on the subject of Methods of control of Postharvest Diseases in Tropical Fruits.
- 2000 Invited Plenary Lecture at Postharvest 2000 meeting, Jerusalem.
- 2000 Invited speaker at Department of Plant Pathology, Queensland University
- 2001 Invited speaker to a “Special Presentation” at the Department of Plant Pathology, University of Florida, Gainesville, FL
- 2001 Invited speaker to the “Biotechnological Seminar Series” at the University of Nebraska
- 2001 Invited speaker to the Vegetable Laboratory, Seminar Series at the Beltsville, BARC, ARS.
- 2002 Invited speaker to the Department of Plant Pathology, University of California, and Riverside, USA.
- 2002 Invited speaker at the World Mango Symposium, Recife Brazil
- 2002 Invited speaker to the Vegetable Laboratory, Seminar Series at the Beltsville, BARC, ARS

- 2003 Organizer of the Postharvest Pathology Session of the 5th meeting of The International Society of Plant Pathology (ISPP)
- 2003 Chair, and invited speaker at the 5th meeting of the ISPP on the Session of Postharvest Pathology.
- 2003 Invited speaker to the Colletotrichum workshop. Christchurch, New Zealand.
- 2003 Invited plenary lecture to the Israel Phytopathological Society Meeting.
- 2003 Invited speaker to the 5th World Avocado Congress, Torremolinos, Spain.
- 2003 Invited speaker to the Post-Harvest Symposium of the APS Annual Meeting Effect on environmental conditions on fungal pathogenicity. USA.
- 2004 Invited Plenary Lecture to the 7th International Postharvest Symposium, June 2004, Verona Italy.
- 2004 Invited Plenary Lecture to the International Symposium of the Association of Applied Biologists, Providing new opportunities for consumers and producers in the 21st century. Oxford, December 2004.
- 2005 Invited lecture to the Annual Israeli Phytopathological Society meeting.
- 2005 Invited Speaker on “Fungal Modulated Host Environment and Pathogenicity” Workshop supported by BARD
- 2005 Organizer of the “Fungal Modulated Host Environment and Pathogenicity” Workshop supported by BARD
- 2006 Invited Keynote Lecture to the 8th International Mango Symposium, February 2006, Sun City, South Africa.
- 2006 Chairman of Session: “Effect of Nutrients in mango trees and fruits” on the 8th International Mango Symposium, February 2006, Sun City, South Africa.
- 2006 Invited Keynote Lecture to the 8th Conference of the European Foundation for Plant Pathology & British Society of Plant Pathology Presidential Meeting 2006, Copenhagen 13th to 17th of August 2006.
- 2006 Invited Keynote Lecture to the 8th Conference of the European Foundation for Plant Pathology & British Society of Plant Pathology Presidential Meeting 2006, Copenhagen 13th to 17th of August 2006.
- 2006 Invited Speaker. Cost 864 Pome Health, 2006.
- 2007 Organizer of the COST Workshop on Plant-pathogen interactions and crop protection in pome fruit
- 2007 Invited speaker to the COST 864 Workshop on Plant-pathogen interactions and crop protection in pome fruit on the subject Core rot Disease. St Michael, Italy.
- 2008 Invited speaker to the COST 864 Workshop on Plant-Pathogen interactions and crop protection in pome fruit on the subject Core rot Disease. Izmir,
- 2008 Invited speaker to the concurrent sessions of the ISPP meeting on the subject of Mechanisms of Pathogenicity of Colletotrichum.
- 2008 Invited speaker to the Colletotrichum Diseases of Fruit Crops meeting in, Torino. Subject: Host-parasite interactions: Physiology of the infection process – conversion from quiescent to active infections.
- 2008 Scientific Organizer of the Postharvest Pathology sessions of the ICPP

- meetings. Torino.
- 2008 Scientific organizer of Workshop of the Postharvest pathology subject in the ICPP meeting.
- 2008 Scientific organizing committee of the Asia-Pacific Symposium on Assuring Quality and Safety of Agri-Foods King Mongkut's University of Technology Thonburi (KMUTT). Bangkok, Thailand, August 4-6, 2008.
- 2008 Invited speaker to the annual meeting of the Dutch Society for Microbiology, Mycology session, Utrecht, The Netherlands.
- 2009 Scientific Organizing Committee of the Asia-Pacific Symposium on Assuring Quality and Safety of Agri-Foods King Mongkut's University of Technology Thonburi (KMUTT). Bangkok, Thailand.
- 2009 Keynote speaker at the South African Phytopathological Society.
- 2009 Invited speaker at the Australian Plant Pathology Annual Meeting Sydney.
- 2010 Invited Speaker at the Postharvest Gordon Conference on "Mechanisms of Pathogenicity in fruits".
- 2010 Invited Speaker at the IVIA on Postharvest Diseases of Persimmons
- 2010 Invited Speaker at the University of Cordoba on Mechanism of Postharvest Pathogens Pathogenicity.
- 2011 Invited speaker at the 1st Postharvest Pathology Meeting, Catalonia, Spain.
- 2011 Invited Speaker at the Israel Microbiological Society Meeting, Bar Ilan,
- 2012 Invited Speaker at the Host Parasite interaction Workshop- BARD Tel Aviv University.
- 2012 Invited speaker at 1st Postharvest Pathology meeting in Brazil, Recife, Pernambuco.
- 2013 Invited speaker to the concurrent sessions of the ISPP meeting on the subject of Mechanisms of Pathogenicity of Colletotrichum, Beijing.
- 2013 Scientific organizer of the Postharvest Pathology sessions of the ICPP meetings. Beijing.
- 2013 Invited Speaker, European Fungal Genetic Meeting, Seville, Spain
- 2015 Invited Speaker to International Postharvest Symposium, China.
- 2016 Invited Professor, University of Cordoba, Spain.
- 2016 Invited Professor, Gansu Agricultural University, Lanzhou, China
- 2017 Invited Speaker at the Fungal Genetics Meeting, Asilomar, CA, USA
- 2018 Invited Speaker at the 8th Ethylene Meeting in Greece.

VIII. Membership in Professional Societies

The Phytopathological Society of Israel.

The Society of Applied Biologist.

The American Phytopathological Society.

XI. Competitive Grants

- 1980 Recipient of Binational Agricultural Research and Development (BARD) grant, for 3 years acting as principal investigator.
- 1984 Recipient of Binational Agricultural Research and Development (BARD) grant, for 3 years acting as principal investigator.
- 1988 Recipient of C.D.R., A.I.D. found grant for a period of 4 years acting as principal investigator in cooperation with researchers of Sri Lanka.
- 1990 Recipient of Binational Agricultural Research and Development (BARD) grant for a period of 3 years acting as principal investigator in cooperation with Prof. N.T. Keen.
- 1992 Recipient of Binational Agricultural Research and Development (BARD) grant for a period of 3 years, acting as principal investigator in cooperation with Prof. N. T. Keen and Dr. R. Christoffersen.
- 1993 Recipient of GIARA fund grant for a period of 3 years acting as Principal Investigator in cooperation with N. Visarathanonth, Thailand and Dr. J. Ebel, Germany.
- 1994 Recipient of CDR-AID fund grant for a period of 3 years acting as Principal Investigator in cooperation with Dr. C. Lizada
- 1995 Recipient of Binational Agricultural Research and Development (BARD) grant for a period of 3 years acting as principal investigator in cooperation with Prof. N. T. Keen.
- 1997 Recipient of Binational Agricultural Research and Development (BARD) grant for a period of 3 years, acting as principal investigator in cooperation with Prof. J. Browse and Prof. N. T. Keen.
- 1998 Recipient of CDR-AID fund grant for a period of 3 years acting as Principal Investigator in cooperation with Dr. Lina Ilag (Philippines).
- 1999 Recipient of Binational Agricultural Research and Development (BARD) grant for a period of 3 years acting as cooperating investigator in cooperation with Prof. Richard Bostock.
- 2000 Recipient of Binational GIFRID grant for a 2-year period acting as cooperating investigator with Egyptian scientist.
- 2000 Recipient of National Academy of Israel Fund grant for a 4-year period acting as Principal Investigator in cooperation with Dr. O Pines.
- 2002 Recipient of Binational Agricultural Research and Development (BARD) grant for a period of 3 years acting as principal investigator in cooperation with Dr. Jeffrey Rollins.
- 2006 Recipient of Binational Agricultural Research and Development (BARD) grant for a period of 3 years acting as principal investigator in cooperation with Dr. Robert Fluhr and Dr. Lisa Villancourt.
- 2006 Recipient of Binational Agricultural Research and Development (BARD-Queensland) for a period of 3 years acting as principal investigator in cooperation with Dr. Robert Fluhr and Drs. Peter Hofman, Dr. Elizabeth Dann and Dr. Lindy Coates.
- 2008 Recipient of Binational Agricultural Research and Development (BARD-Texas)

- for a period of 3 years acting as principal investigator in cooperation with Dr. Robert Fluhr and Dr. Marty Dickman.
- 2008 Recipient of National Academy of Israel Fund grant for a 4-year period acting as Principal Investigator in cooperation with Dr. A. Sherman and Dr. Amnon Lichter.
- 2011 Recipient of Binational Agricultural Research and Development (BARD) for a period of 3 years acting as principal investigator in cooperation with Dr. Robert Fluhr and Dr. Tesfaye Mengiste.
- 2012 Recipient of National Academy of Israel Fund grant for a 4-year period acting as Principal Investigator in cooperation with Dr. A. Sherman and Dr. Robert Fluhr.
- 2014 Recipient of Binational Agricultural Research and Development (BARD) for a period of 3 years acting as principal investigator in cooperation with Dr. Nancy Keller and Dr. Amir Sherman.
- 2017 Recipient of Binational Agricultural Research and Development (BARD) for a period of 3 years acting as cooperating investigator in cooperation with Dr. Edward Sionov and Nancy Keller
- 2018 Recipient of National Academy of Israel and China Funds for a period of 3 years acting as cooperating investigator in cooperation with Dr. Edward Sionov and Prof. Bi Young.
- 2019 Recipient of Binational Agricultural Research and Development (BARD) for a period of 3 years acting as cooperating investigator in cooperation with Dr. Edward Sionov and Nancy Keller
- 2023 Recipient of Binational Agricultural Research and Development (BARD) for a period of 3 years acting as cooperating investigator in cooperation with Dr. Livnat Journo Afriat and Nancy Keller

XI. Competitive Grants in Israel from 1994 only

- 1993 The use of growth regulators to control *Alternaria* in persimmon fruits 25.000\$
- 1994 Biological control of postharvest disease in subtropical fruits 25.000\$
- 1995 Induce resistance against postharvest pathogens by CO₂ treatments 20.000\$
- 1995 Control of postharvest disease in nectarines 15.000\$
- 1996 Control of stem end rots in mango fruits 25.000\$
- 1997 Induce resistance of persimmon fruits by cytokine 25.000\$
- 1998 Improvement of mango quality by the use of host water brush 25.000\$
- 1999 Storage conditions of the Israeli avocado 45.000\$
- 2001 Control of *A. alternata* by chlorine treatments in persimmon 40.000\$
- 2002 Disease control of *A. alternata* in persimmons 25.000\$
- 2002 “Teharsept” for the control of *Alternaria* (Concept) 5.000\$
- 2002 Fungicides for the control of *Alternaria* in persimmon 7.500\$ (CTZ)
- 2003 pH treatment for the control of *Alternaria* in mango fruits (66.000\$)

2004	Control of <i>Alternaria</i> core rot in apples	120.000\$
2006	pH treatment for the control of <i>Alternaria</i> in persimmons	75.000\$
2006	“Mycogal” for the control of postharvest diseases (Amgal)	20.000\$
2007	Development of new postharvest fungicides (Deshanim)	25.000\$
2010	Mechanisms of <i>Alternaria</i> attack in persimmons.	25.000\$
2011	Mechanism of red spot development in mango	40.000\$
2013	Disease control of persimmon fruits in storage	120.000\$
2016	Postharvest GA3 treatments in persimmons	20.000\$

IX. Awards

- 2002 Elected “Scientist of the Year” at the Volcani Center. In recognition of the scientific success and accomplishment at the local and international scientific community.
- 2008 Elected as "2009 Merensky Fellow" by the Hans Merensky Holdings LTD in Westfalia, South Africa, for researchers with significant accomplishments in the world for the development of the subtropical fruits industry. Invited to visit South Africa and discuss the post-harvest research developments, establish relations for future cooperation and present a Keynote presentation at the SASPP.
- 2013 Elected “Life Achievements Scientist” from the ARO for scientists with the highest contribution to Israeli Agriculture and to the International Scientific community.
- 2018 Elected Honorary Fellow of the International Society of Plant Pathology in recognition of his exemplary service for the ISPP Subject Matter Committee for Postharvest Pathology and in furthering global endeavors in Plant Pathology. Delivered during the ISPP Congress Council in Boston 2018. Elected Best Emeritus Contributor to the ARO in recognition of his
- 2023 Exemplary service for the ARO-Ministry of Agriculture and his contribution to the development of the new generation of young scientists in Israel and the world.

X. Main Research Interests

Molecular Biology and Biochemistry of Fruit/Pathogen Interactions

Research in the laboratory focuses on understanding the basic processes underlying the interactions between fruits and pathogenic fungi. These interactions known to involve the production and recognition by both plant and pathogen of a variety of signals, but it is frequently difficult to distinguish between the indispensable and the superfluous components of the complex process of infection. In my laboratory, we use chemical, biochemical, genetic, and molecular biological techniques to identify and critically

evaluate putative disease factors. Our emphasis is on the biochemical and molecular mechanisms controlled by fungal virulence and fruit resistance factors.

List of Publications

A. Articles in reviewed journals and books

1. Prusky, D., A. Dinoor and Y. Eshel, 1973. Symptom less effects of experimental fungicides on wheat. *Phytopathology* 64:812-813.
2. Prusky, D., B. Jacoby and A. Dinoor, 1979. Is the accumulation of a systemic fungicide at the infection site related to its eradication action? *Pesticide Biochemistry and Physiology* 12:75-76.
3. Prusky, D., A. Dinoor and B. Jacoby, 1980. The sequence of death of haustorial and host death during the hypersensitive reaction of oat to crown rust. *Physiological Plant Pathology* 17:33-40.
4. Prusky, D., and R. Ben-Arie, 1981. Imazalil control of *Alternaria alternata* storage rots. *Ann. Appl. Biology* 98: 87-92.
5. Prusky, D., Y. Fuchs and G. Zauberman, 1981. A method for pre-harvest assessment of latent infections in fruits. *Ann. Appl. Biology* 98: 79-85.
6. Prusky, D., A. Dinoor and B. Jacoby, 1981. The fungicide or heat-induced hypersensitive reaction of oats to crown rust: relation between various treatments and infections type. *Physiological Plant Pathology* 18:181-186.
7. Prusky, D., B. Jacoby and A. Dinoor, 1981. Effect of 1-chlorocholine chloride on resistance of oat to crown rust. *Phytopathologische Zeitschrift* 101:175-178.
8. Prusky, D., R. Ben-Arie and S. Guelfat-Reich, 1981. Etiology and histology of *Alternaria* rot of persimmon fruits. *Phytopathology* 71: 1124-1128.
9. Prusky, D., M. Bazak, R. Ben-Arie and A. Genizi, 1981. Pest management during postharvest treatments to control *Penicillium expansum* in storage. *Phytopathology* 71:900.
10. Prusky, D., Keen, N.T. Sims, J.J. and S.L. Midland, 1982. Possible involvement of an antifungal compound in the latency of *Colletotrichum gloeosporioides* in unripe avocado fruits. *Phytopathology* 72: 1578-1582.
11. Prusky, D., N.T. Keen and I. Eaks, 1983. Further evidence for the involvement of preformed antifungal compound in the latency of *Colletotrichum gloeosporioides* on unripe avocado fruits. *Physiological Plant Pathology* 22:189-198.
12. Prusky, D., Y. Fuchs, and U. Yanko, 1983. Assessment of latent infections as a basis for the control of postharvest disease of mango. *Plant Disease* 67: 816-817.
13. Droby, S., D. Prusky, A. Dinoor and R. Barkai-Golan, 1984. *Alternaria alternata* - a new pathogen on stored potatoes. *Plant Disease* 67: 160-161.
14. Prusky, D., A. Ascarelli and B. Jacoby, 1984. Lack of involvement of nutrients in the latency of *Colletotrichum gloeosporioides* in unripe avocado fruits. *Phytopathologische Zeitschrift* 110:106-109.
15. Droby, S., A. Dinoor, D. Prusky and R. Barkai-Golan, 1984. Pathogenicity of *Alternaria alternata* in the potato crop in Israel. *Phytopathology* 74: 537-542.
16. Prusky, D. and R. Ben-Arie, 1985. Development, persistence and survival of thiabendazole-resistant strains of *Penicillium expansum* on pome fruits and strategies for control. *Phytopathology* 75: 877-882.

17. Prusky, D. and Ben-Arie, 1985. Effect of imazalil on the pathogenicity of *Penicillium crustosum* causing storage rots of pome fruits. *Plant Disease* 69: 416-418.
18. Prusky, D., I. Kobiler, B. Jacoby, J.J. Sims and S.L. Midland, 1985. Effects of inhibitors of avocado lipoxygenase: their possible relationship with the latency of *Colletotrichum gloeosporioides* on avocado fruits. *Physiological and Molecular Plant Pathology* 27: 269-279.
19. Prusky, D., B. Jacoby, J.J. Sims and S.L. Midland, 1985. Regulation of lipoxygenase activity and its possible relation to latency of *Colletotrichum gloeosporioides* on avocado fruits. *Phytopathology* 75: 1302-.
20. Cojocar, M., S. Droby, E. Glotter, A. Goldman, H.E. Gottlieb, B. Jacoby and D. Prusky, 1986. 5-(12-Heptadecenyl)-resorcinol, the major compound of the antifungal agent from the peel of mango fruit. *Phytochemistry* 25: 1093-1095.
21. Droby, S., D. Prusky, B. Jacoby and A. Goldman, 1986. Presence of an antifungal compound and its relation in the latency of *Alternaria alternata* in unripe peel of mango fruits. *Physiological and Molecular Plant Pathology* 29: 173-183.
22. Droby, S., D. Prusky and B. Jacoby. 1987. Induction of an antifungal agent in unripe mango fruit to demonstrate their involvement in latent infections of *Alternaria alternata*. *Physiological and Molecular Plant Pathology* 30:285-292.
23. Prusky, D. 1987. Hypersensitivity, an Overview. In: "Recent Topics in Experimental and Conceptual Plant Pathology" R.S. Singh, U.S. Singh, W.M. Hess, and D.J. Weber (Eds.), Oxford and IBH Publishing Co. P.V.T. LTD., New Dehli, Bombay, Calcutta. pp 485-522.
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