

CURRICULUM VITAE AND LIST OF PUBLICATIONS

SHIMSHON BELKIN

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GENERAL RESEARCH INTERESTS

- Whole-cell microbial biosensors and biochips
- Microbial bioassays for toxicity and genotoxicity
- Water quality and environmental microbiology
- Microbial responses to environmental stress and their real-time monitoring
- Microbial biodiversity of the *Tamarix* phyllosphere

1. PERSONAL

DoB: 17 July 1951, Tel Aviv, Israel
Israeli citizen, Id. Number 50694223
Married, 2 children
Regular military service: 1969 - 1972

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2 Tnuat Hameri St.
Kiryat Ono 55286, Israel
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2. EDUCATION

B.Sc. (Cum Laude) 1975 The Hebrew University, Jerusalem, Israel: Biology.
Ph.D. 1983 The Hebrew University: Oceanography, Life Sciences.
Advisor: Prof. E. Padan; Thesis: H₂ metabolism in facultative anoxygenic cyanobacteria.

3. HEBREW UNIVERSITY APPOINTMENTS

1996 - Associate Professor, Division of Environmental Sciences, The Fredy and Nadine Herrmann Graduate School of Applied Science, The Hebrew University, Jerusalem
2004 - Full Professor, Institute of Life Sciences, Hebrew University of Jerusalem
2011 - Ministry of Labor & Social Welfare Chair in Industrial Hygiene

4. HEBREW UNIVERSITY POSITIONS

2000 - 2003 Head, Division of Environmental Sciences, The Fredy and Nadine Herrmann Graduate School of Applied Science
2000 - 2006 Head, M.Sc. Program in Industrial Management (A joint program of the Faculty of Natural Sciences and School of Business Administration)

- 2003 - 2006 Director, Environmental Studies Program (graduate and undergraduate), Faculty of Natural Sciences
- 2003 - 2006 Member, Academic Committee, the Multi-disciplinary Environmental Research Center, Hebrew University
- 2008 - Director, Hebrew University Interfaculty Biotechnology Program

5. EMPLOYMENT HISTORY

- 1974 Technical Assistant, Department of Botany, The Hebrew University
- 1975 - 1979 Teaching and Research Assistant, Oceanography Program and Department of Microbiological Chemistry, Hadassah Medical School, The Hebrew University
- 1977 - Visiting Investigator, Institute of Ecology and Genetics, University of Aarhus, Denmark (2 months)
- 1977 - Visiting Investigator, Department of Biological Sciences, University of Dundee, Scotland (2 months)
- 1979 - Visiting Investigator, Department of Plant Sciences, University of London, King's College, England (4 months)
- 1980 - 1982 Instructor, Division of Microbial and Molecular Ecology, Institute of Life Sciences, The Hebrew University
- 1983 - 1984 Guest Investigator, Department of Biology, Woods Hole Oceanographic Institution, Woods Hole, Massachusetts (Post-doc)
- 1984 - 1986 Research Fellow, Membrane Bioenergetics Group, Department of Physiology/Anatomy, University of California, Berkeley (Post-doc)
- 1986 - 1989 Lecturer, Laboratory for Environmental Microbiology, The Jacob Blaustein Institute for Desert Research, Ben-Gurion University of the Negev, Sede Boqer Campus, Israel
- 1989 - 1994 Senior Lecturer, Laboratory for Environmental Microbiology, The Jacob Blaustein Institute for Desert Research, Ben-Gurion University of the Negev, Sede Boqer Campus, Israel
- 1993 - 1994 Visiting Scientist, DuPont Central Research and development, Wilmington, DE, USA (a one year Sabbatical)
- 1994 - 1996 Associate Professor, Laboratory for Environmental Microbiology, The Jacob Blaustein Institute for Desert Research, Ben-Gurion University of the Negev, Sede Boqer Campus, Israel

6. OTHER ACTIVITIES

6.1 Positions outside the Hebrew University

- 1989 - 1993 Member, Board of Directors, the Interuniversity Institute of Eilat
- 1998, 2003 Israel's delegate to OECD: Molecular Technologies for Safe Drinking Water
- 1998 - 2000 President, Israel Society for Ecology and Environmental Quality Sciences
- 2003 - 2007 Member, Ministry of Health committee on new water standards (Head,

- microbiology sub-committee)
- 2004 - Member, Advisory Board, Ministry of Education High School Biotechnology Program
- 2006, 2012 Chair, joint Ministry of Health and Ministry for Environmental Protection committee on recreational water standards

6.2 Membership in scientific societies

- ❑ American Society for Microbiology (ASM)
- ❑ Israel Society for Microbiology (ISM)
- ❑ Israel Society for Ecology & Environmental Quality Sciences (Board member 1997 - 2000; President 1998 -2000)
- ❑ International Society for Microbial Ecology (ISME)

6.3 Scientific conferences organized

- The Israel Society for Microbiology, Annual Meeting, Beer Sheva, Feb. 1992 (Secretary, organizing committee).
- "The Use of Natural and Genetically Engineered Microorganisms to Combat Pollution", Bat-Sheva de Rothschild International Seminar, Tel Aviv, Jerusalem and Sede Boker, May, 1992 (member, Organizing Committee).
- 8th International Symposium on the Genetics of Industrial Microorganisms, Jerusalem, Israel, June 1998 (Member, Local Organizing Committee)
- 7th International Conference of the Israel Society for Ecology & Environmental Quality Sciences, Jerusalem, June 1999 (Chairman, Organizing Committee and Conference)
- 10th International Symposium on Toxicity Assessment. Quebec, Canada, Aug. 2001 (Member, International Scientific Committee)
- 11th International Symposium on Toxicity Assessment. Vilnius, Lithuania, June 2003 (Member, International Scientific Committee)
- First Hands-on Toxicity Bioassays Workshop (EilaTox). Corvallis, Oregon, USA, Sept. 2002 (Co-chairman)
- BioMicroWorld 2005: International Conference on Environmental, Industrial and Applied Microbiology. Badajoz, Spain, March 2005 (Member, International Scientific Advisory Committee)
- 8th International Marine Biotechnology Conference. Eilat, Israel, March 2007 (Member, International Program Committee)

6.4 Awards & fellowships

- 1977-1980 The D. Tucker Memorial Scholarship in Oceanography
- 1977 Danish Ministry of Education Grant (research visit to Aarhus University)
- 1977, 1979 European Molecular Biology Organization (EMBO) short-term fellowships (research visits to the Universities of Dundee & London)

- 1983 - 1984 Lady Davis Fellowship
- 1984 - 1986 Dr. Chaim Weizmann Post-Doctoral Fellowship for Scientific Research
- 1988 The David and Paula Ben Gurion Annual Prize
- 1994 The DuPont Company Accomplishment Award

6.5 Membership, editorial boards (current)

- 2006 - Microbial Biotechnology (Blackwell)
- 2010 - Advances in Biochemical Engineering & Biotechnology (Springer)
- 2010 - Frontiers in Microbial Ecotoxicology and Bioremediation (Review Editor)