

## CURRICULUM VITAE

2020

Name: Millicent Goldschmidt

Title: Professor Emerita

Address: Department of Diagnostic and Biomedical Sciences  
School of Dentistry  
The U. of Texas Health Science Center at Houston, (UTHSC-H)  
7500 Cambridge Street  
Houston, Texas 77054  
2020: Adjunct Professor Department Microbiology and Molecular  
Genetics McGovern Medical School U. Texas Health Science Center  
Houston, TX

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Citizenship: USA

### Undergraduate Education

1943 – 1947 B.A., Flora Stone Mather College of Case-Western Reserve  
University, Cleveland, Ohio

### Graduate Education

1950-1953 Ph.D., Purdue University, W. Lafayette, Indiana  
1947-1950 M.S., Purdue University, W. Lafayette, Indiana

### Post Graduate Training

1977-1978 Postdoctoral Fellowship (NIH), The University of Texas Health  
Science Center at Houston, Dental Branch-Dental Science Institute,  
Houston, Texas

1961-1963 Postdoctoral Fellowship (NIH), Department of Microbiology, The  
University of Texas, Austin, Texas

### Academic Appointments'

2020 Adjunct Professor Department Microbiology and Molecular Genetics  
McGovern Medical School U. Texas Health, Houston, TX

2013-present Professor Emerita (additional appointments listed below 2011-2016)

2011 – 2016 Professor, Tenured, Department of Diagnostic and Biomedical  
Sciences, School of Dentistry; Adjunct Professor Department of  
Microbiology and Molecular Genetics, UTHSC-H Medical School,  
Adjunct Professor, Department of Laboratory Medicine. The U. Texas  
M. D. Anderson Cancer Center.

## Millicent Goldschmidt – Curriculum Vitae

- 2003-2011 Professor, Tenured, Department of Microbiology and Molecular Genetics UTHSC-H Medical School; Adjunct Professor Department of Laboratory Medicine, The U. Texas M. D. Anderson Cancer Center; Adjunct professor, Department of Periodontics, U.T. Dental Branch
- 1995 - 2003 Professor, Tenured, Department of Basic Sciences, UTHSC-H, Dental Branch, Houston, Texas
- 1995 - Present Adjunct Professor, UTHSC-H School of Graduate School of Biomedical Sciences, Houston, TX
- 1993 – 1994 Associate Professor, Tenured, Department of Basic Sciences UTHSC-H Dental Branch, Houston, TX
- 1982 – Present The Texas M. D. Anderson Cancer Center. Adjunct Professor in Microbiology, Dept. of Laboratory Medicine (1995 – present), Adjunct Associate Microbiologist (1982-1995) Adjunct Associate Microbiologist, Dept. of Medicine, Infection Control Section (1982)
- 1979 – 1993 Associate Professor, (Tenured 1985) UTHSC-H Dental Science Institute, Dental Branch; Houston, TX
- 1977 Instructor, One section of Microbiology course (part time) Department of Natural Sciences, University of Houston Downtown Campus, Houston Texas
- 1973 - 1976 Associate Professor of Clinical Microbiology, The University of Texas Health Science Center, Medical School, Graduate School of Biomedical Sciences, and School of Allied Health Sciences; Associate Microbiologist (Voluntary) Department of Medicine, Infection Control Section, The University of Texas M. D. Anderson Cancer Center, Houston, Texas
- 1971 - 1973 Associate Professor of Microbiology, The University of Texas Health Science Center, Graduate School of Biomedical Sciences; Associate Microbiologist, (Voluntary) Department of Medicine, Infection Control Section and Faculty Member, School of Blood Banking, The University of Texas M. D. Anderson Cancer Center, Houston, Texas
- 1971-1977 Member, Graduate School of Biomedical Sciences, Houston, Texas (1971-1977, 1978 – Present); Director, Graduate Program in Microbiology, (1981-87); Co-Director, Graduate Program in Microbiology, (1987-89), Elevated to “Distinguished Member of the Graduate Faculty (1998)
- 1978 - Present
- 1969-1973 Acting Chief, Section of Microbiology, Associate Microbiologist, Microbiology Unit, Section of Research Clinical Pathology, Department of Clinical Pathology and Faculty Member, School of Blood Banking, The University of Texas M. D. Anderson Cancer Center; (1969 – 1971); Associate Professor of Microbiology, The University of Texas General Faculty. Assistant Professor, Graduate School of Biomedical Sciences, Houston, Texas.
- 1967-1971 Assistant Microbiologist, Microbiology Unit, Section of Research Clinical Pathology, Department of Clinical Pathology, The University

## Millicent Goldschmidt – Curriculum Vitae

	of Texas M. D. Anderson Cancer Center Houston, Texas
1967-1969	Assistant Professor of Microbiology, The University of Texas General Faculty. Houston, Texas
1966-1967	Coordinator of the Baylor Protocol for NASA project on planning Lunar Receiving Laboratory and First Moon Rock Experiments, Departments of Microbiology and Biochemistry. Baylor College of Medicine, Houston, TX. Project done at Johnson Space Center, TX
1963-1966	Research Instructor in Microbiology, Baylor College of Medicine, Houston, Texas.
1961-1963	Postdoctoral Fellow, National Institutes of Health Training Grant, The University of Texas, Austin, Texas.
1960-1961	Assistant Professor of Medicine in Bacteriology, School of Medicine, University of Maryland. Assigned joint research project with U.S. Army Medical Unit (Walter Reed) at Fort Detrick, Frederick, Maryland.
1959-1960	Instructor in Chemistry, Department of Physical Sciences, Hood College, Frederick, Maryland.
1956-1959	Senior Research Associate, George Washington University Research Laboratory, Fort Detrick, Maryland.
1952-1953	Research Associate, Department of Biochemistry, School of Medicine, Case Western Reserve University, Cleveland, Ohio.

### Hospital Appointments

1995 - 2019	Adjunct Professor, Department of Laboratory Medicine, UT M. D. Anderson Cancer Center (“Voluntary”), Houston, TX
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### Certification:

1974 - Present	National Registry of Microbiologists: (American Society for Microbiology): Specialist in Public Health and Medical Laboratory Microbiology, 1974-1982; and recertification 1983-1989.
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### Professional Organizations:

#### Local:

2007	President, Gulf Coast Chapter of the Association for Women in Science
2005-present	Association for Women in Science (UTHSC-H) member
1989-2008	Institute of International Education
1981-1984	Houston Association of Medical Microbiologists, President 1982-84; Treasurer, 1981-1982
1977-Present	Houston Chapter, American Association for Dental Research and International Association for Dental Research, President-elect 1999, President 2000-2001.

## Millicent Goldschmidt – Curriculum Vitae

- 1977-1997 Houston Association of Biology Teachers
- 1975-present Science and Engineering Fair of Houston: Member (appointment) Science Review Committee
- 1970-present Rice University/Texas Medical Center Chapter of Sigma XI: President-elect, 1984-85; President 1985-86; President 1999-2000; President 2013-2014; Treasurer 2002-2011. Board member 2011-present.
- 1969 - 1971 Member of Infection Control Committee and advisor to the M.D. Anderson Coed Scout Explorer Post.

### Regional:

- 1992-1999 Southwest Association for Clinical Microbiology
- 1984-1989 Southeast Texas Council of Sigma XI, Treasurer and member of Council
- 1983-present Association for Women in Science, Gulf Coast Chapter, Chair: (appointment) Science and Engineering Fair Committee: 1983, Nominating Committee, Member (1985 & 1989); Career Development Committee, Chair, 1986-87, Mentor, (1991-present); Awards Committee, (1992), President, (1987-1988).
- 1961 - present American Society for Microbiology, Texas Branch: President, (1980-1981); Newsletter Editor, appointment, (1972-80, 1982, 1999-2000); Chairperson, Distinguished Service Committee, (1972-73) and Member of this committee, (1981-83); Alternate Councilor, (1995-1997, 2005), Councilor, (1998-1999; 2005-present), Board of Directors (1999-present), Member since 1961.

### National:

- 2009 – present Faculty Mentor for the TMC Student Chapter of ASM
- 2009 – 2013 Member – Roche Diagnostics Alice C. Evans Award Selection Committee (All members of the Committee on Status of Women in Microbiology)
- 2009 – 2011 Selected Lecturer – American Society for Microbiology Branch Lectureships Program. Also selected lecturer, 1987-1989.
- 2009- present Member – Committee on the Status of Women in Microbiology of the Public and Scientific Affairs Board for the ASM
- 2007 - present Editorial Advisory Board of Recent Patents in Nanotechnology, Bentham Science Publishers LTD
- 1991-1999 Society for Infection Control in Dentistry
- 1991-1997 Association of Medical Laboratory Immunologists (elected as member 1949)
- 1987-1988 American Society for Microbiology, Foundation Lecturer appointment

## Millicent Goldschmidt – Curriculum Vitae

1986-1987	President, Rice University/Texas Medical Center Chapter Sigma Xi
1977-present	American Association for Dental Research, and International Association for Dental Research (and Houston Chapter), President-elect Houston Chapter, (1999); President, (2000-2001).
1975-present	American Society for Microbiology, Council Policy Committee, Executive Committee (1986-1989, 1999-2005) and Council (1999-present), Finance Committee (2001, 2004), Board of Education and Training: Public Service and Adult Education Committee Member and reappointment, (1975-81), with an invitation to chair this committee in 1980; Consultant-advisor to the news media in the Houston Area, (1978-2009); Minority Student Science Careers Support Program (1986-present); Member, Steering Committee, (1998-present); Graduate Women's Mentor Program (1990-present). (Membership 1947), International Committee (2004-2005) Membership Board: Chair: Woman's Career Development Grant Committee (2005-present); Committee on the Status of Women in Microbiology, (2006-present) member.
1975-present	American Academy of Microbiology, Fellow Member-elect (1975-present), Board of Governors elect (1985-1988), Annual Meetings Program Committee: Member and reappointment, 1978-81; Chairperson and reappointment, 1981-87; Nominating committee: Member, (1984-85); Chair, (1986) Liason to ASM International Committee (Appointment 2004 -2005)
1972 -1980	National Association of Biology Teachers: Director, Appointment, Chair, Texas Outstanding High School Biology Teacher Awards Committee
1970 - 1974	Fellow, American Institute of Chemists
1950 - present	Sigma Delta Epsilon (Women's Scientific Honorary elect)
1949-present	Sigma Xi, (National), Director-at-Large-elect, Board of Directors, (1992-1995); re-elected to another term (1995-98); elected by the Board to serve as their representative to the executive committee, (1992-1994, 1996-1998); Development Officer Search Committee (2005) Member, Appointment Awards Committee (1991-1998); Chair, (1993-1998); Audit Committee, (1992-1998, 2004-2007); Chair, (1997-1998, 2005 – 2006); Finance Committee, (1996-1998; 2006-2009), Selection Panel for New Development Director (2005); Development Committee (2009- present).
Honors and Awards	
2920	Fellow Sigma Xi
2018	Greater Houston Woman's Chamber of Commerce Texas Medical Center Woman's Oral History Project Honoree

Millicent Goldschmidt – Curriculum Vitae

- 2013 University of Health Science Center Distinguished Professional Woman Award  
Ferguson Award Sigma Xi
- 2011
- 2009 – 2011 Rice U/Texas Medical Center Sigma Xi Chapter Named lectureship  
American Society for Microbiology Branch Lectureships. Selected to be a Lecturer.
- 2009 American Society for Microbiology - Roche Diagnostics Alice C. Evans Award. Recognizes contributions toward the full participation and advancement of women in Microbiology and excellence in Microbiology.
- 2007, 2008, 2009, 2011 Certificate of Appreciation Award “Outstanding Service as an Online Mentor of the ASM Minority Mentoring Program” from the American Society for Microbiology
- 2008 Selected as lecturer for the H.J. Cottle Memorial Lecture Series at Sul Ross University, Alpine, Tx.
- 2006 “Ovation Award” for 2006 from the School of Science at Purdue University.
- 2006 “Outstanding Alumna Award” for 2006 from the Department of Biological Sciences Purdue University.
- 2005, 2010 Certificate of Appreciation from Food Microbiology Symposium and Rapid Methods Workshop University of Wisconsin River Falls and the Cooperative Extension Service University of Wisconsin
- 2005 “Exceptional Achievement Award” from the Center for Food Safety and Applied Nutrition, Food and Drug Administration for dedication and significant contributions to the field of public health.
- 2005 Award for Exceptional Service as a member of the International Committee from the American Society for Microbiology. (2004-2005)
- 2005 Certificate of Recognition in the American Academy of Microbiology as its liaison to the ASM International Committee (2004-2005)
- 2005 Award in recognition of outstanding service as “At Large Member “ (Branches) of the Council Policy Committee of the American Society

## Millicent Goldschmidt – Curriculum Vitae

- for Microbiology. (1999-2005)
- 2004 “Certificate of Lifetime Achievement” and a named “Goldschmidt” lecture at the annual Spring meeting of the Texas Branch, ASM.
- 2002 Selected as one of 30 outstanding alumni (out of 6,000) from the Biology Department, Purdue University, Lafayette, IN.
- 2001 Certificate of appreciation for lectures Food Microbiology Symposium and Rapid Methods Workshop. Animal & Food Science Department University of Wisconsin – River Falls Campus and the cooperative Extension Source University of Wisconsin October 2001
- 2000 Elected president, Houston Chapter American Association for Dental Research/International Association for Research
- 2000 Certificate of recognition for “Contribution to the Public Health Mission” Center for Food Safety and Applied Nutrition U. S. Food and Drug Administration
- Elected to American Society for Microbiology Council Policy Committee (The Executive Committee)
- 1999-2000 President Rice University/Texas Medical Center Chapter Sigma Xi
- 2000 Certificate of Recognition for Past President Rice University-Texas Medical Center Chapter Sigma Xi
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- 1996-present Affiliate, International Committee for the Solution of Environmental Problems
- 1996 Invited speaker Pacific Rim Conference China and Hong Kong
- 1992 – 1998 Certificate of Recognition for service as a “Director-at-Large” and as a member of the Board of Directors, The National Sigma Xi, The Scientific Research Society.
- 1989-1992 National Research Council, Office of Scientific and Engineering Personnel, Evaluation Panel in Biomedical Sciences for the National Science Foundation’s Graduate Fellowship Program: Member 1989-90; reappointments, 1990-1991, 1991-1992
- 1987-1988 Service in Science Award, Association for Women in Science, Gulf Coast Chapter
- 1987-1988 Elected to Board of Directors, American Academy of Microbiology
- 1986 Texas Woman’s Achievement Award in Science; “Profiles ‘86” Research and Education Foundation, Woman’s Hospital System of Texas

## Millicent Goldschmidt – Curriculum Vitae

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|--------------|---|
| 1985-1986    | Outstanding Woman in Science Award; Gulf Coast Chapter, Association for Women in Science presented at the Federation of Houston Professional Women                                  |
| 1985         | Honored by the Federation of Houston Professional Women for “Outstanding Contribution and Achievement in the Houston Community”.  |
| 1984-1986    | Elected President Elect and then President Rice University Texas Medical Center Chapter Sigma Xi  |
| 1983-Present | Five Teaching excellence citations. Listed as one of the best Lecturers in the UTHSC-H Graduate School of Biomedical Sciences   |
| 1983         | Invited delegate, People to People Citizen’s Ambassador Program. Microbiology Delegation to People’s Republic of China, hosted by the Chinese Association of Science and Technology |
| 1980         | Distinguished Service Award; Texas Branch, American Society for Microbiology for “Contributions to the Advancement of Microbiology in Texas”  |
| 1975         | Elected a Fellow, American Academy of Microbiology  |
| 1950         | Sigma Delta Epsilon (Women’s Scientific Honorary elect)   |
| 1949-present | Sigma Xi, The Research Society (see under Professional Organizations; page 3)   |
| 1943-1947    | College Scholarships: Junior Civic League of Erie   |
| 1946         | Undergraduate: Sundial, Triton - (Honorary Societies)   |

### Editorial Positions:

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|--------------|---|
| 2006-present | Member, Editorial Advisory Board of “Recent Patents in Nanotechnology” Bentham Science Publishers, LTD. |
| 1992-2010    | Associate Editor, Journal of Rapid Methods and Automation in Microbiology                               |

### Reviewer Experience

(of manuscripts and books proposals, etc. for journals, publishers, granting agencies and foundations)

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|--------------|---|
| 1977-present | J. Clinical Microbiology, Oxford University Press, American Society for Microbiology (various books, manuscripts, proposals) US Department of Agriculture (research grant proposals) J. Food Research (manuscripts). J. Rapid methods and Automation in Microbiology (manuscripts) J. Infectious Diseases (manuscripts). National Science Foundation (Grant Applications) |
| 1997-present | National Science Foundation Grant Reviewer, SBIR USDA SBIR Research Grant Reviewer  |

## Millicent Goldschmidt – Curriculum Vitae

### Consultantships

1987	ERT Inc., Houston, Texas, Fluorescent Detection of Microorganisms
1986	University of Houston Downtown Campus; Consultant on Proposed Program leading to a B.S. Degree in Microbiology in the Department of Natural Sciences
1983	ICI Americas Inc. Product Development, Department Microbiology
1976	KVM Engineering, Houston, Texas; Rapid Microbiologic Methods
1973-1975	Air Products and Chemicals Inc., Allentown, PA; Impedance Instrumentation
1973	Aseptics Incorporated, Houston, Texas; Disinfectant Procedures
1972	Elvrum Chemical Corporation, Houston, Texas; Antimicrobial Agents
1972	Fria Manufacturing Company, Houston, Texas; Infectious Diseases
1971-1973	Xerox Center for Health Care Research, Houston, Texas; Rapid methods of detecting urinary tract infections

Service on national grant review panels, study sections, advisory panels and committees (some also listed under Professional Organizations)

2005-present	National Science Foundation SBIR Grant, Panel: Science and Technology Center
1998	American Society for Microbiology., Councilor, Member of Council and Board of Directors (elected) Steering Committee on Minority Student Science careers support Program (Nat. Inst. Gen. Med. Grant), Women mentoring program
1998	Invited member, National Science Foundation. Science and Technology Centers: Integrative Partnerships: Pre-proposal Advisory Panel and the “merge” panel which followed. March–April, 1998.
1997-present	Reviewer and panel member for the United States Department of Agriculture SBIR Research Grants
1997- 2005	American Society for Microbiology steering committee for proposals on minority career Research Support Program, ASM/National Institute of General Medicine.
1991 - present	Sigma Xi (National) Director-at-Large on Board of Directors and mentor, Executive Committee, Awards Committee, (member); (chair), Finance Committee, (2006-Present); Committee on Audit Review (appointed to 3 year term 2004-2006) elected Chair 2006; Development Committee (2009-2013)
1970's – present	Science Review Committee, Science and Engineering Fair, Houston

Service on The University of Texas - Houston Health Science Center Committees

2006- 2011	Association of Women Faculty (Executive Board Member)
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## Millicent Goldschmidt – Curriculum Vitae

1996- 2011	Chemical Safety Committee
1992-1996	Postdoctoral Fellowship Awards Review Committee, under Dr. T. Burks
1992 - present	Mentor Program for minority students
1991 - 1994	Biohazard Committee
1984 - 2000	Chemical and Biological Safety Committees
1984	Resource Group on Biohazards
1983 - 2008	International Affairs Host family via International Institute of Education
1983 - 1985	Houston Forum on Aging: Chairperson Nutrition Special Interest Group
1983 - 1984	Recombinant DNA Subcommittee

### Service on The University of Texas – Houston Medical School Committees:

2007 - 2010	Faculty Compensation Committee
2004 - 2010	Ad hoc Reviewer for Admissions Committee
2004 - present	Faculty Senate – Senator from Department of Microbiology and Molecular Genetics
1974	Faculty Expansion Planning Committee

### Service on Graduate School of Biomedical Sciences Committees

1987 - 1989	Acting Director - Program in Microbiology
1984 - 1987	Co-Director - Program in Microbiology
1981 - 1985	Special Task Force Committee on Teaching Excellence
1981 - 1983	Curriculum Committee
1974 - 1976	Fellowship and Scholarship Committee
1973 - 1976	Admissions Committee

### University of Texas Hospital Committees

1967 - 1971	The University of Texas M.D. Anderson Cancer Center: Infection Control Committee
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### The University of Texas Health Science Center, Dental Branch

2001 – 2008	Dental Branch Admissions Committee
2000 - 2005	Mentor to Dr. Darawan Homrossukhon, faculty member Dental Branch
1995-2002	Research Committee
1993-1994	Chair - Library Committee
1988	Library Committee Member

## Millicent Goldschmidt – Curriculum Vitae

1992-1993	Dental Hygiene Committee
1991-2002	Infection Control Committee
1984-1986	Committee on Laboratory Animal Care
1980-1982	Postgraduate/Graduate Faculty Advisory Committee

### The University of Texas Health Science Center, Allied Health Sciences

1975 - 1976	Baccalaureate Development Committee in Medical Technology
1975 - 1976	Baccalaureate Development Committee in Cytotechnology
1975 - 1976	Master's Degree Program Committee in Medical Laboratory Sciences

### Service to the Community

2000 - present	Volunteer Lecturer in K-12 classes for Sigma Xi Projects
1997 - present	Middle School and High School students on Science Fair Projects
1997 - 2009	Science Day Volunteer High School students and/or Teachers national Meeting American Society for Microbiology
1993 - present	Various charitable collections for United Way, Muscular Dystrophy, Heart Association, etc.
1987 - 2001	Houston Great Books Council, Treasurer
1982 - 2002	Adult Education Committee Congregation Beth Israel Chair, Readers Group; Member Continuing Education Committee and Scholar-in-residence Committee
1967-1975	Scouting, M.D. Anderson Coed Explorer Troop; Girl Scouts: Camping and cookie sales committees

### Sponsorship of candidates for Pre And Postdoctoral Degrees

2009 – 2010	Dr. Ayman Ahmed, BDS, Cairo, Egypt (Ph.D. 2010) (as his major professor)
1993 - 1994	Ms. Tania de Moraes, Sao Paulo, Brazil (Ph.D., 2000)
1985 - 1987	Dr. W.J. Masin D.D.S. for his M.S. Degree (as his major professor)

### Sponsorship of Postdoctoral Fellows

2008 – 2010	Dr. A. Ahmed, (MDACC Fellow) BDS
1999	Dr. Yun, (OHMDACC Fellow)
1998	Dr. Lai (MDACC Fellow)
1997 - 1998	Dr. J. Ho, D.D.S.
1996 - 1997	Dr. Preeti Naik, D.D.S.
1992 - 1993	Dr. D. Davidla, D.D.S.
1991 - 1992	Dr. M. Pino, D.D.S.

## Millicent Goldschmidt – Curriculum Vitae

1991 - 1992 Dr. W. Gates, D.D.S.  
1990 - 1991 Dr. Mila Nino, Ph.D.

### Membership on Thesis and Supervisory Committees

2013-2014 Member of M.S. Thesis Committee for Douglas Littman  
2012- 2013 Member of M.S. Thesis Committee for Mr. Fernando Andrade  
2011- 2012 Member of M.S. Thesis Committee for Ms. Karen Gomez (GSBS)  
2010 - 2010 Member of Ph.D. Thesis Committee for Dr. Ayman Ahmed, BDS  
2009 - 2010 Member of Ph. D. Thesis Committee for MS. Danielle Conley (GSBS)  
  
2003 - 2005 Member of the M. S. Committee for Dr. Lisa Jacobs, DDS  
2002 - 2004 Member of the M.S. Committee for Dr. Leticia Perezous, DDS\*  
2002 - 2004 Member of the M.S. Committee for Dr. Eddie Lin, DDS\*  
1999 - 2000 Member of the M.S. Committee for Dr. Tod Bruchmiller, DDS\*  
1999 - 2000 Member of the M.S. Committee for Dr. Natalie Carr, DDS  
1997 - 1998 Member of the M.S. Committee for Dr. Reem Al Banyan, DDS

### \* Thesis Research conducted in Dr. Goldschmidt's laboratories under her supervision

2009 - 2010 Dr. Ayman Ahmed, BDS, The University of Texas MD Anderson Cancer Center  
  
2002 – 2004 Dr. E. Lin, DDS, M.S. Thesis Committee, The University of Texas Health Science Center, Dental Branch  
  
2002 – 2004 Dr. T. Bruchmiller, DDS, M.S. Thesis Committee, The University of Texas Health Science Center, Dental Branch  
  
1992 - 1994 Dr. T.G. Wheeler, Committee Member, The University of Texas Health Science Center, Graduate School of Biomedical Sciences  
  
1994 Dr. Paul Banderamus, D.D.S.; M.S. Thesis Committee, The University of Texas Health Science Center, Dental Branch  
  
1985-1987 Dr. W.J. Masin D.D.S. for his M.S. Degree, Major Professor, The University of Texas Health Science Center, Dental Branch  
  
1967-present Advisory Thesis Committee for eight students, The University of Texas Health Science Center, Graduate School of Biomedical Sciences

### Sponsorship of UT-Houston and other student research projects and table clinics

2008 – 2013 Farnaz Mazloumiandini, Student Fall 2008 – 2009 projects  
2008 – present Uffaf Khan, (U. Houston – Downtown Campus – undergraduate student) Summer 2008 – Summer 2009 Semester project  
2007 Theresa Mullan – UTMS/DB Summer research program

## Millicent Goldschmidt – Curriculum Vitae

- 2004 – 2005 Fadi Hikal, (U. Houston – Downtown Campus – undergraduate student), Spring Semester project and UTMS/DB Summer research program
- 2000 - 2001 Nathan Phillips and K. Hashmani – UT Dental Branch, Summer research program projects
- 1999 Tammy Hoffman, Sponsorship of undergraduate Student, U. Houston Downtown Campus
- 1997 - 1998 Matt Thompson through UTHHSC summer program
- 1996 – 1998 Richard Robinson (U. Houston – Downtown Campus)
- 1996 Wendy Struss from the University of Texas Dental Branch, and S. Adams from Prairie View A & M for our summer research programs
- 1982 Coleen Walters (U. Houston – Downtown Campus)

### Teaching Responsibilities

- 2006- 2013 Course Lecturer: Biology-1 School of Dentistry; Lecturer, Medical Microbiology The University of Texas Health Science Center, Medical School: (2006-2011) Virology and (2006) Viral Diagnostics; Oral Microbiology (GSBS Core Program, Dept. MMG, Medical School)
- 2005-2007 Problem Based Learning Medical School (Facilitator)
- 2004 Lecturer MD Anderson Cancer Center Medical Technology Course
- 2003 -2011 Coordinator of one of the Department of Microbiology UTHSC-H Medical School Department of Microbiology and Molecular Genetics Course Laboratories in Microbiology.
- 2002 - 2003 Lecturer on Periodontal Diseases to Dental Hygiene Class UTHSC-H Dental Branch
- 1997 - 2003 DBPG 0501, Graduate Oral Microbiology, Lecturer, The University of Texas Health Science Center, Dental Branch, Course Coordinator
- 2004 Supervised various undergraduate seniors University of Houston Downtown campus on research projects one to two semesters in length
- 1993 - 1996
- 1990 - 1991
- 1991 - 1992 Reviewed and critiqued Infection Control Module, at The University of Texas Health Science Center, Dental Branch
- 1992 - present 1551, Oral Microbiology, Lecturer, The University of Texas Health Science Center Dental Branch,
- 1987 - present Course Coordinator: Medical Microbiology I, Medical Bacteriology GSBS 070023 The University of Texas Health Science Center, Graduate School of Biomedical Sciences
- 1981 - 2011 Rapid Methods and Automation graduate course and workshop, Kansas State University, taught the instrumentation portion of workshop during summers, assisted in the laboratory

Past Teaching Responsibilities

- 1984 Reviewed and Critiqued Dental Material Module, at The University of Texas Health Science Center, Dental Branch
- 1978 - 1979 Houston District Dental Society Dental Assistant Training Program. Presented lecturers covering microbiology, asepsis, sterilization in the dental office and the hepatitis patient
- 1977 General Microbiology; University of Houston Downtown Campus. Taught one section of general microbiology course, lectures and laboratory
- 1974 - 2000 Junior elective on Rapid Methods of Identification of Oral Organisms, The University of Texas Health Science Center, Dental Branch
- 1974 - present Seminars in Microbiology, Medical and Clinical, team taught, The University of Texas Health Science Center, Graduate School of Biomedical Sciences
- 1974 - 1985 Previous postgraduate course in Microbial Physiology and Genetics, The University of Texas Health Science Center, Graduate School of Biomedical Sciences
- 1973 - 1975 Microbiology Course Coordinator & Lecturer. The University of Texas Health Science Center, Medical School
- 1972 - 1990 Tutorials, Primary Instructor for seven students at The University of Texas Health Science Center, Graduate School of Biomedical Sciences
- 1972 - present Medical Microbiology I, Medical Bacteriology, Alternate years, Primary Instructor, Course Coordinator (Alternate years)
- 1971 - 1984 Microbial Physiology and Biochemistry, Alternate years, Course Coordinator Primary Instructor, The University of Texas Health Science Center, Graduate School of Biomedical Sciences
- 1959 - 1960 General Chemistry, Department Physical Science Hood College, Frederick, MD; Instructor, taught one section lecturers and laboratory, helped guide superior students in additional honors projects
- 1950 - 1951 Zoology, Purdue University; Teaching Assistant; specimen preparation and laboratory lectures

Current Grant Support

- 2011 - 2013 Broxo Company Grant, Comparison of two hollow headed electric toothbrushes with one solid head electric toothbrush \$ 40,000
- 2008 - 2009 MDAHCC Grant, Effect of Xylitol on Oral Microorganisms, Requested by company , \$5,000
- 2007 – 2010 Cooley Grant, Chewable Toothpaste Tablets, \$5,000
- 2007 Cooley Grant, Water lines in Dental Operatories, \$12,000 (In preparation)
- 2004 - 2010 UTMDACC Dept. Head and Neck Surgery, Division of Oral Oncology

## Millicent Goldschmidt – Curriculum Vitae

(Including 1 part time personnel and one post-doctoral fellow [2007-2009]) est. \$15,000/year (supplies and equipment only)

### Past Grant Support

2006	Summer Research Program MS – one student, \$5,000 (\$2,500 MS, \$2500 MDACC)
2006 – 2009	Cooley Grant, Observing the presence of Lactobacilli, Streptococci and Actinomyces using oral rinse vs. floss, \$10,000
2006 - 2008	Cooley Grant, Comparison on Cements , \$12,000
2004	UTMS/DB support for student stipend for summer research project and supplies \$4,000
2004	M. D. Anderson Cancer Center and VA Hospital Co Investigated the effect of fluorides on growth of <i>Streptococcus mutans</i> \$1500
2002 - 2003	John O. Butler Company, Principal Investigator. Presence of periodontal pathogens on toothbrushes containing chlorhexidine in the bristles \$3,300.
1996 - 1999	STRC Grant # 0590-1, Co-Investigator. The role of saliva in protection of the oral cavity from carcinogens. 25% effort. Smokeless Tobacco Research Council; Total requested \$209,013
1996 - 1998	MD Anderson Cancer Center, Co-Investigator. Changes in oral flora following head and neck irradiation using a new stimulant for salivary flow \$6,000
1995 - 1996	National Institute of Dental Research, 1-RO1-DE11363-1, Co-Investigator. Oral manifestations of pediatric HIV infection. Co-investigator with Drs. Mark Kline and William Shearer, Department of Pediatrics, Baylor College of Medicine/Texas Children's Hospital. Est. \$1 Million
1991 - 1993	M. D. Anderson Hospital and Cancer Center Department of Dental Oncology, Principal Investigator, \$6,000
1989 - 1990	Basic Research Support Grant DSI 02- 81-01, 02 (and extension)
1981 - 1982	Co-Investigator. A preliminary evaluation of the microbiological and histopathological features of root surface caries. \$4,900
1984	Warner-Lambert Company, #502-3-8210, Principal Investigator. The effect of ascorbic acid and zinc sulfate in vivo on the oral health, leukocyte function and <i>Actinomyces</i> in the oral flora of marmosets. \$38,081
1983	Nabisco Brands Inc. Discretionary Fund, GU-3-8301, Principal Investigator, \$2,000,.
1980 - 1981	Basic Research Support Grant (and extension) DSI 02-80-01, -02, Principal Investigator. The effect of ascorbic acid <i>in vivo</i> on an <i>Actinomyces viscosus</i> strain established orally in Rhesus monkeys. \$6,000

## Millicent Goldschmidt – Curriculum Vitae

- 1974 - 1975 National Institutes of Health Grant to the Program in Infectious Diseases and Clinical Microbiology Medical School, University of Texas Health Science Center at Houston Co-Investigator
- 1974 Air Products and Chemicals, Inc., Principal Investigator. Impedance measurements for detecting bacteria. \$8,000
- 1967 - 1971 National Institutes of Health Institutional Grant, Department of Pathology, University of Texas System Cancer Center, for the Unit of Research Clinical Pathology and renewal, Co-Investigator, \$1,000,000
- 1950 - 1952 Purdue Research Foundation Predoctoral Fellow
- 1949 - 1950 E. R. Squibb Predoctoral Research Fellow
- 1948 - 1949 Graduate fellowships: Bristol Laboratories Predoctoral Fellow

### **PUBLICATIONS** (published or accepted for publication only)

#### **Abstracts** (usually present as presenter when my name is on abstract)

1. Invited Convenor and Speaker Session on Virology, Viral Evolution, TX Branch ASM Meeting, Tyler, Texas November 5-7, 2009
2. Ontiveros, J.C., **Goldschmidt, M.C.**, Eldiwany, M. S., Antibacterial Activity of Dental Materials at One Year, AADR/IADR Meeting, April 1-4, 2009
3. **Goldschmidt, M.C.**, Ontiveros, J.C., Eldiwany, M.S., Antifungal Activity of Dental Materials at One Year, AADR/IADR Meeting Spring, April 1-4, 2009
4. Kahn, U., Mazioumandini, F., **Goldschmidt, M.**, Chewable Toothpaste Tablets, TX Branch ASM Meeting, Spring, March 5-7, 2009
5. **Goldschmidt, M. C.**, Review of Biosensor, Microarray and Nanotechnologies used in the Detection and Identification of Salmonellae, International Symposium Salmonella and Salmonellosis, Saint Malo, France, Spring (2006)
6. **Goldschmidt, M. C.**, Biosensor, Microarrays and Nanoparticles in Detecting Salmonellae, University of Wisconsin River Falls Campus, Food Microbiology Symposium Fall (2005)
7. Haikal, F., **Goldschmidt, M. C.**, Photodynamic Effects with Soluble Chlorophyll and Cure-Lights on Oral pathogen Survival, Annual Student Research Conference at University of Houston-Downtown, Spring (2005)
8. Haikal, F., **Goldschmidt, M. C.**, Photodynamic Effects with Soluble Chlorophyll and Cure-Lights on Oral pathogen Survival, ASM Texas Branch meeting at John Knox Ranch, San Marcos, TX, Spring (2005)
9. Haikal, F., **Goldschmidt, M. C.**, Photodynamic Effects with Soluble Chlorophyll and Cure-Lights on Oral pathogen Survival, Annual Arizona Student Research Conference at Arizona State University, AZ. Spring (2005)

10. Lin, C., Wyborny, L. E., **Goldschmidt M. C.**, Chan, T. J. Effects of Two Fluorides on *in vitro* Growth of *Candida* species. (Poster) 6<sup>th</sup> Meeting International Congress on Maxillofacial Rehabilitation, Maastricht, Netherlands, June 2004
11. Lin, C., Wyborny, L. E., **Goldschmidt M. C.**, Chan, J. T%. Effects of Fluoride on *in vitro* Growth of *Candida* species Amer. Postodontic Soc. 16<sup>th</sup> Meeting, Chicago, Feb. 2004
12. **Goldschmidt, M. C.**, Homrossukhon, D. Photodynamic effects of chlorophylls and curelight on oral pathogen survival. J. Dent. Res; 82: 2809, 2003
13. Turner, J., **Goldschmidt, M. C.**, Warren, D. P., Keene, H. J. Effects of Chlorhexidine – coated tooth bristles on residual microbial contamination of toothbrushes AADR #1392 March, 2003 San Antonio, TX
14. Homrossukhon, D. and **Goldschmidt, M. C.**, Alcian blue and chlorophylls: Photodynamic effect on microorganisms using cure light. J. Dent. Res. 81: (Special issue A) #2225, March, 2002 Chicago, IL
15. Warren, D. P., **Goldschmidt, M. C.**, Thompson, J., Adler-Storthz, K., Keene, H. The effects of toothpastes on the residual microbial contamination of toothbrushes. ADR #2598 J. Dent. Res 81: September 2001.
16. Hashmani, K., **Goldschmidt, M. C.**, Warren, D. P., Keene, H. Microbial Evaluation of three dental flosses for cleaning ability. J Dent. Res 80:165#1033, Chicago, IL, 2001.
17. Phillips, N., **Goldschmidt, M. C.** Alcian Blue: Photodynamic effects of microorganisms using different light sources. J. Dent . Res 80:217#1451, Chicago, IL, 2001.
18. Warren, D. P., **Goldschmidt, M. C.**, Tate, W. H., Keene, H. and Gowda, C. Effects of Microban in toothbrush handles on residual periodontal pathogens. J. Dent. Res. 79:569#3405, Washington, D.C., 2000.
19. **Goldschmidt, M.C.** Spiral plating system. Immunology of *Actinobacillus actinomycetemcomitans* and *Actinomyces viscosus*. J. Dent. Res. 79:620#3814, Washington, D.C., 2000.
20. **Goldschmidt, M. C.**, Thompson, M. B., Warren, D. P. and Adler-Storthz, K. Effects of tooth pastes on residual microbial contamination of toothbrushes. J. Dent. Res 7:#1898, Vancouver, CA, 1999.
21. Moretti, A. J., **Goldschmidt, M. C.**, Marx, A. J., and Caffessee, R. G. Mg<sub>2</sub>SO<sub>4</sub> and chlorhexidine gluconate on growth/inhibition of peridontal pathogens. J. Dent. Res. 77:180 #596, Minneapolis, MN, 1998.

22. Dickinson, D. P, and **Goldschmidt, M. C.** Human saliva inhibits smokeless tobacco-induced mutagenicity. J. Dent. Res. 77:265 #1280, Minneapolis, MN, 1998.
23. **Goldschmidt, M. C.** Specimen collection, transport and processing. In: Anaerobic microbiology (Hands-on Workshop #1) American Association for Dental Research Annual Meeting. Abstract distributed at Workshop) Invited speaker. Minneapolis, MN, March, 1998.
24. **Goldschmidt, M. C.** Physiological characterization of obligate anaerobes. In: Workshop: Oral anaerobes – collection, culturing, identification. (Invited speaker) International Association for Dental Research Meeting, Nice France, June, 1998.
25. **Goldschmidt, M. C.** The role of biosensors in on-line and flow-injection analysis. Workshop sponsored by FDA, NSF and USDA in Washington, DC, 1997.
26. Naik, P. Poster on yeasts on dental liner materials. American Academy Maxillofacial Prosthetics. Dr. Naik won first place in the poster presentation competition and did her project in my laboratory, 1997.
27. **Goldschmidt, M. C.** The multiple use of biosensor technology. Abst. XV Pan American Congress of Veterinary Sciences #S1.3 p27. Campo Grande, MS, Brazil. Invited. October, 1996.
28. Struss, W., **Goldschmidt, M. C.**, and Grant, R. *In vitro* synthesis of mutagens by anaerobic periodontally-associated bacteria. Abst. Ann. Meet. Int. Assoc. Dent. Res. and Amer. Assoc. Dent. Res. #3233. San Francisco, CA. March, 1996.
29. **Goldschmidt, M. C.**, Robinson, R. D., and Grant, R. Comparison of three systems identifying oral yeasts from pediatric patients. Abst. Ann. Meet. Int. Assoc. Dent. Res. and Amer. Assoc. Dent. Res. #3161. San Francisco, CA. March, 1996.
30. Tate, W., **Goldschmidt, M. C.**, and Powers, J. Efficiency of composite finishing and polishing instruments after sterilization. Abst. Ann. Meet. Int. Assoc. Dent. Res. and Amer. Assoc. Dent. Res. #2182. San Francisco, CA. March, 1996.
31. **Goldschmidt, M. C.**, Tate, W. H., and Ward, M. T. Disinfection and sterilization of materials in composite polishing systems. Abst. Ann. Meet. Amer. Assoc. Dent. Res. #1131. San Antonio, TX. March, 1995.
32. Adams, S., **Goldschmidt, M. C.**, and Powers, J. M. Effects of chromogenic bacteria on color of hybrid ionomers. Abst. Ann. Meet. Amer. Assoc. Dent. Res. #7741. San Antonio, TX. March, 1995.

33. Davidla, C. E., **Goldschmidt, M.C.**, Kramer, D., and King, G. Presence and growth of *Candida albicans in vitro* on processed denture liners. Abst. Ann. Meet. Int. Assoc. Dent. Res. and Amer. Assoc. Dent. Res. p 287. Seattle, WA. March, 1994.
34. **Goldschmidt, M. C.**, and Grant, R. *In vitro* synthesis of mutagens by periodontally-associated bacteria. Abst. Ann. Meet. Int. Assoc. of Dent. Res. and American Assoc. Dent. Res. p 349. Seattle, WA. March, 1994.
35. Gates, W. D., **Goldschmidt, M. C.**, and Kramer, D. Microbial contamination of four commercially available denture adhesives. Abst. Ann. Meet. Assoc. Dent. Res. p 208. 1993.
36. **Goldschmidt, M. C.**, Jacob, R. F., and Grant, R. Using microwaves to sterilize contaminated silicone prostheses. Abst. Ann. Meet. Assoc. Dent. Res. p 266. 1993.
37. **Goldschmidt, M. C.**, Keene, H. J., Echeverri, E. A., and Grant, R. L. *Candida albicans* and other yeasts in families with young children. J. Dent. Res. p 216. March, 1992.
38. **Goldschmidt, M. C.**, Bray, J. P., Wheatcroft, M. Effect of ascorbic acid on oral parameters in marmosets. Abst. Ann. Meet. Intl. Assoc. Dent. Res. p 374, April, 1991.
39. **Goldschmidt, M. C.**, Brown, L. R., White, J., and . McCrary, B. R. Aniline blue dye medium for rapid detection of *Candida albicans* in oral specimens. J. Dent. Res. 69: 214. March, 1990.
40. **Goldschmidt, M. C.**, Fung, D. Y. C., Liang, C., Brown, L. R., and White, J. New Fluorescent medium to identify *Candida albicans* and related *Candida*. The American Association for Dental Research. J. Dent. Res. 68:218. March, 1989.
41. **Goldschmidt, M. C.**, Reviere, G. R., Levy, B. M., and Miller, J. N. Rapid detection of oral treponemes by protein A/ELISA techniques. The International Association for Dental Research. J. Dent. Res. 67:203. March, 1988.
42. **Goldschmidt, M. C.**, O'Neill, P. A., and Woodson, D. L. Comparison of a coagglutination/immunodotting ELISA technique with classical agglutination. Abst. Ann. Meet. Amer. Assoc. Dent. Res. p 223. March, 1986.
43. **Goldschmidt, M. C.**, Ritter, N. M., and Ennever, J. Relationship between calcification and aging. Abst. Ann. Meet. Intl. Assoc. Dent. Res. p 280. March, 1985.
44. **Goldschmidt, M. C.** Ascorbic Acid Inhibition of *Actinomyces viscosus* orally implanted in monkeys. Abst. Ann. Meet. Intl. Assoc. Dent. Res. p 202. March, 1984.

45. Fung, D. Y. C., Cox, N. A., **Goldschmidt, M. C.**, Bailey, J. S. and Thomson, J. E. Selecting a miniaturized system for identification of milk, food, and environmental specimens. St. Louis, MO. August, 1983.
46. Fung, D. Y. C., **Goldschmidt, M. C.**, and Cox, N. A. Evaluation of bacterial diagnostics kits and systems at an instructional workshop. Proceedings: Collogue International de Bacteriologie. Lille, France. 1983.
47. **Goldschmidt, M. C.** A Rapid Coagglutination technique to detect *Bifidobacterium bifidum*. Abst. Ann. Meet. Intl. Assoc. for Dent. Res. p 335. March, 1982.
48. Masin, W. J., **Goldschmidt, M. C.**, and Brown, L. R. Ascorbic acid deficiency, phagocytosis, and killing of *Actinomyces viscosus*. Abst. Ann. Meet. Intl. Assoc. for Dent. Res. p 407. March, 1981.
49. **Goldschmidt, M. C.**, and O'Neill, P. A. A rapid coagglutination technique to detect oral *Actinomyces*. Abst. Intl. Assoc. for Dent. Res. Ann. Meet. pp. 407. March, 1981.
50. **Goldschmidt, M. C.**, and Brown, L. R. Sensitivity of *Actinomyces* species to the Inhibitory effects of ascorbic acid and other Iron-sequestering Agents. Abst. Ann. Meet. Intl. Assoc. for Dent. Res. p 515. March, 1980.
51. Fadulu, S. O., Ogba, C., and **Goldschmidt, M.** The inhibition of glucose utilization and *in vitro* dextran adherence by low concentrations of *Fagra zanthoxyloides* extract. Tex. J. Science. 31A:375-376. December, 1979.
52. **Goldschmidt, M. C.**, Weisbrodt, N. W., and Walther, J. The role of heat stable *Escherichia coli* enterotoxin in stimulating motility in the rabbit intestine. Abst. Ann. Meet. Amer. Soc. Microbiol. pp. 22. May, 1976.
53. Conklin, R. H., DuPont, H. L., **Goldschmidt, M. C.**, and Rodriguez, J. T. Viral agents in acute infantile diarrhea from Houston and Guatemala. Amer. Fed. Clin. Res. May, 1976.
54. **Goldschmidt, M. C.**, and DuPont, H. L. Lack of Correlation of serotype with pathogenicity of *Escherichia coli*. Abst. Ann. Meet. Amer. Soc. Microbiol. pp. 22. May, 1975.
55. Byers, P. A., **Goldschmidt, M. C.**, and DuPont, H. L. Antimicrobial susceptibility of enteric bacterial pathogens. Tex. Br. Amer. Soc. Microbiol. March, 1975.
56. **Goldschmidt, M. C.**, DuPont, H. L., and Hornick, R. B. Effects of an unusual enteropathogenic *Escherichia coli* on prison volunteers and intestinal tissues. Abst. Ann. Meet. Am. Soc. Microbiol. pp. 120. May, 1974.

57. **Goldschmidt, M. C.**, and Wheeler, T. G. Determination of bacterial cell concentrations by impedance measurements. Abst. Ann. Meet. Ann. Meet. Soc. Microbiol. pp. 9. May, 1973.
58. **Goldschmidt, M. C.** The effect of steriquat, a new quaternary ammonium compound on various bacterial pathogens. Texas Medical Association Annual Forum of Original Research. May, 1972.
59. **Goldschmidt, M. C.**, Kuhn, C. R., Perry, K., and Johnson, D. E. EDTA and lysozyme lavage in the treatment of *Pseudomonas* and coliform bladder infections. Abst. Ann. Meet. Am. Soc. Microbiol. pp. 109. April, 1972.
60. **Goldschmidt, M.C.**, and Lockhart, B. Rapid method for determining arginine decarboxylase activity. Amer. Soc. Microbiol. (Tex Br.) October, 1969.
61. Kuhn, C., and **Goldschmidt, M. C.** The Use of ethylenediaminetetraacetic acid (EDTA) and lysozyme in the treatment of *Pseudomonas* and coliform bladder infections. SW Chap. Amer. Urol. Assoc. October, 1969.
62. **Goldschmidt, M. C.**, Perry, K., and Lockhart, B. Rapid biochemical method for ornithine decarboxylase activity. Bacteriol. Proc. Amer. Soc. Microbiol. pp. 97. May, 1969.
63. **Goldschmidt, M. C.**, and Williams, R. P. Effect of thiamine on the biosynthesis of prodigiosin. Bacteriol. Proc. Amer. Soc. Microbiol. pp. 19-20. May, 1966.
64. Mukherjee, P. P., **Goldschmidt, M. C.**, and Williams, R. P. Enzymatic synthesis of prodigiosin analogue by a cell free preparation. Bacteriol. Proc. Amer. Soc. Microbiol. pp. 20, May, 1966.
65. **Goldschmidt, M. C.**, Gott, C. L., and Williams, R. P. Coupling enzyme: Terminal step in biosynthesis of prodigiosin. Bacteriol. Proc. Amer. Soc. Microbiol. pp. 92. May, 1965.
66. Williams, R. P., Gott, G. L., and **Goldschmidt, M. C.** Quantitative aspects of inhibition by temperature of the biosynthesis of prodigiosin. Tex. Rep. Biol. Med. p 146, Spring 1965.
67. Koffler, H., and **Cohen, M.** (maiden name). The Effect of certain antifoam agents and fatty acids on the stability of penicillin. Proc. Amer. Soc. Bacteriol. pp. 45. May, 1948.

#### Refereed original articles in journals

1. **Goldschmidt, M.C.** Chapter 41 Biosensors: Scope on Microbiological analysis IN: Encyclopedia of Food Microbiology Volume 2 Elsevier Press Invited chapter In Press 2014.

2. Warren, D, **Goldschmidt, M. C.**, Keene, H. Cron, S. Microbial Contamination of Power Tooth brushes: A Comparison of Solid-head versus Hollow-head Toothbrushes. IN Press "J. Dent. Hygiene, 2013
3. **Goldschmidt, M. C.**, Ahmed, A., Lei, X, Jacob, R.F. Comparison of Two Sampling Methods for Determination of Cariogenic Microbial Load in Irradiated Head and Neck Cancer Patients. J.Dent.Res., Submitted November,
4. Ahmed, A., Chambers, M.S., **Goldschmidt, M. C.**, Habib, A., Lei, X., Jacob, R.F. Association between Microbial Flora and Tissue Abnormally Around Dental Implants Penetrating Skin in Reconstructed Oral Cancer Patients. J. Oral Maxillofacial Implants. 27(3):684-694 2012
5. **Goldschmidt, M. C.**, The Use of Biosensor and Microarray Techniques in the Rapid Detection and identification of salmonellae, J. AOAC International, 89:2, 2006
6. Perezous, L. F., Stevenson, G. C., Flaitz, C. M., **Goldschmidt, M. C.**, Engelmeier, R. L., Nichols, C. M. The Effect of Complete Dentures with a Metal Palate on *Candida* Species Growth in HIV-Infected Patients: J. Prosthodontics, 15 (5) 306-315, September-October 2006.
7. Perezous, L. F., Flaitz, C. M., **Goldschmidt, M. C.**, Engelmeier, R. L. Colonization of *Candida* Species in Denture Wearers with Emphasis on HIV Infection: A Literature Review. J. Prosthetic Dent. 93: 288-293 March 2005
8. **Goldschmidt, M. C.**, Warren, D. P., Keene, H. J., Tate, W. H. Effects of an Antimicrobial Additive to Toothbrushes on Residual Periodontal Pathogens. J. Clinical Dentistry: 15 (3) :66 – 70, September 2004
9. Chambers, M. S., Su, J. M., Keene, H. J., **Goldschmidt, M. C.**, Martin, J. W. "Inhibitory effect of mentholiptus lozenge on a human strain of *Streptococcus mutans* in vitro: A Pilot Study." Journal of Greater Houston Dental Society 76:25-27, September 2004
10. Warren, D. P., **Goldschmidt, M. C.**, Thompson, B., Adler-Storthz, K., Keene, J., Effects of toothpastes on the residual microbial contamination of toothbrushes. J. American Dent. Assoc. 132:1241-1245. September, 2001.
11. Tate, W. H., **Goldschmidt, M. C.**, and Powers, J. M. Performance of composite finishing and polishing instruments after sterilization. Am. J. Dent. 9:61-64. April, 1996.
12. Tate, W. H., **Goldschmidt, M. C.**, Ward, M. T., and Grant, R. Disinfection and sterilization of composite polishing instruments. Am. J. Dent. 270-272. October, 1995.
13. Pigno, M. A., **Goldschmidt, M. C.**, and Lemon, J. C. The efficacy of antifungal agents incorporated into a facial silicone elastomer. J. Prosthetic Dentistry. 71:295-300. March, 1994.

14. Gates, W. D., **Goldschmidt, M. C.**, and Lemon, J. C. Microbial contamination in four commercially available dental adhesives. *J. Prosthetic Dent.* 71. 154-158. February, 1994.
15. **Goldschmidt, M. C.** The use of flow cytometry for the rapid characterization of monoclonal antibody production to *Actinomyces viscosus*. *J. Rapid Method. Autom. Microbiol.* 1:273-285. June, 1993.
16. **Goldschmidt, M.C.** The use of flow cytometry for the rapid identification of salmonellae. *J. Rapid Method Autom. Microbiol.* 1:261-271. June, 1993.
17. **Goldschmidt, M. C.**, Fung, D. Y. C., Grant, R., White, J., and Brown, T. New aniline blue dye medium for rapid identification and isolation of *Candida albicans*. *J. Clin. Microbiol.* 29:1095-1099. June, 1991.
18. Fung, D. Y. C., Cox, N. A., **Goldschmidt, M. C.**, and Bailey, J. S. Rapid methods and automation: A survey of professional microbiologists. *J. Fd. Prot.* 52:65- 68. January, 1989.
19. **Goldschmidt, M. C.**, Masin, W. J., Brown, T., and Wyde, P. R. The effect of ascorbic acid deficiency on leukocyte phagocytosis and killing of *Actinomyces viscosus*. *Internat. J. Vit. Nutr. Res.* 58:326-334. March, 1988.
20. **Goldschmidt, M. C.** On beyond oral hygiene: An additional role for the dental practitioner in elementary and secondary education. *J. Hou. Dist. Dent. Soc.*, pp 14 & 17. September, 1986.
21. **Goldschmidt, M. C.**, Ritter, N. M., and Ennever, J. Age dependency of apatite formation in *Bacterionema matruchotii*. *Microbios Letters.* 29:15-17. August, 1985.
22. Cox, N.A., Fung, D.Y.C., **Goldschmidt, M.C.**, Bailey, J.S., and Thomson, J.E. Selecting a miniaturized system for identification of *Enterobacteriaceae*. *J. Fd. Prot.* 47:74-77. January, 1984.
23. Fung, D. Y. C., **Goldschmidt, M. C.**, and Cox, N. A. Evaluation of several diagnostic kits and systems in a workshop setting. *J. Fd. Prot.* 47:68-73. January, 1984.
24. Fung, D. Y. C., **Goldschmidt, M. C.**, and Cox, N. A. Evaluation of bacterial diagnostics kits and systems at an international workshop In: *Les Colloques de l'Inserm: "Les Bacilles a'Gram Negativd Interet Medical et en Sante Publique"*, H. Leclerc, Ed. Inserm 114:449-454. Lillie, France. May, 1983.
25. Ennever, J., Streckfuss, J. L., and **Goldschmidt, M. C.** Calcifiability comparison among selected microorganisms. *J. Dent. Res.* 60:1793-1796. October, 1981.

26. **Goldschmidt, M. C.**, and Fung, D. Y. C. New methods for microbiological analysis of food. *J. Fd. Protect.* 41: 201-209. March, 1978.
27. **Goldschmidt, M. C.**, and DuPont, H. L. Enteropathogenic *Escherichia coli*. Lack of serotype with pathogenicity. *J. Inf. Dis.* 133: 153-156. February, 1976.
28. Byers, P. A., DuPont, H. L., and **Goldschmidt, M. C.** Antimicrobial susceptibilities of shigellae isolated in Houston, Texas in 1974. *Antimicrob. Ag. Chemother.* 9:288-391. February, 1976.
29. Conklin, R. H., DuPont, H. L., **Goldschmidt, M. C.**, and Rodriguez, J. T. Occurrence of viral particles in diarrhea: Houston, Texas and Guatemala. *New Engl. J. Med.* 292:644-645. March, 1975.
30. Wheeler, T. G., and **Goldschmidt, M. C.** Determination of bacterial cell concentrations by electrical measurements. *J. Clin. Microbiol.* 1:25-29. January, 1975.
31. **Goldschmidt, M. C.**, Kuhn, C. R., Perry, K., and Johnson, D. E. EDTA and lysozyme lavage in the treatment of *Pseudomonas* and coliform bladder infections. *J. Urol.* 107:969-972. June, 1972.
32. **Goldschmidt, M. C.**, and Bodey, G. P. The effect of chemotherapeutic agents upon microorganisms isolated from cancer patients. *Antimicrob. Agents and Chemother.* 1:348-353. April, 1972.
33. **Goldschmidt, M. C.**, and Lockhart, B. Rapid methods for determining decarboxylase activity: Arginine decarboxylase. *J. Appl. Microbiol.* 22:350-357. September, 1971.
34. **Goldschmidt, M. C.**, Lockhart, B., and Perry, K. Rapid methods for determining decarboxylase activity: Ornithine and lysine decarboxylase. *J. Appl. Microbiol.* 22:344-349. September, 1971.
35. **Goldschmidt, M. C.**, and Lockhart, B. Simplified rapid procedure for the determination of agmatine and other guanidino-containing compounds. *Analyt. Chem.* 43:1475-1479. September, 1971.
36. **Goldschmidt, M. C.**, and Williams, R. P. Thiamine induced formation of the monopyrole moiety of prodigiosin. *J. Bact.* 96:609-616. September, 1968.
37. **Goldschmidt, M.C.**, and Wyss, O. Effect of ion concentration on the rupture and survival of *Azotobacter* cysts. *Appl. Microbiol.* 16:871-876. June, 1968.
38. **Goldschmidt, M. C.**, Goldschmidt, E. P., and Wyss, O. Differences in toxicity of EDTA & TRIS among mating types of *Escherichia coli*. *Canad. J. Microbiol.* 13:1401-1407. October, 1967.

39. **Goldschmidt, M. C.**, and Wyss, O. The role of TRIS in EDTA toxicity and lysozyme lysis. *J. Gen. Microbiol.* 47:421-431. July, 1967.
40. Mukherjee, P. P., **Goldschmidt, M. C.**, and Williams, R. P. Enzymatic formation of prodigiosin analog by a cell-free preparation from *Serratia marcescens*. *Biochem. Biophys. Acta* 136:182-184. February, 1967.
41. James, D. W., **Goldschmidt, M. C.**, Cash, H. P., and Williams, R. P. Production of purple pigment by a mutant of *Serratia marcescens*. *Tex. Rep. Biol. Med.* 24:489-493. October, 1966.
42. **Goldschmidt, M. C.** and Wyss, O. Chelation effects on *Azotobacter* cells and cysts. *J. Bact.* 91:120-124. January, 1966.
43. Williams, R. P., **Goldschmidt, M. C.**, and Gott, C. L. Inhibition by temperature of the terminal step in biosynthesis of prodigiosin. *Biochem. Biophys. Res. Comm.* 19:177-181. April, 1965.
44. **Goldschmidt, M. C.**, and Wyss, O. Maintaining viability in chemically ruptured *Azotobacter* cysts. *Tex. Rep. Biol. Med.* 21(3):448-449. October, 1963.
45. **Goldschmidt, M. C.** Effects of radiation from an exploding wire on the survival of *Serratia marcescens* and *Bacillus globigii*. *Geo. Wash. Univ. Res. Lab. Rep.* 22:1-13. June, 1958.
46. **Goldschmidt, M. C.** Cavitation studies with *Serratia marcescens*. *Geo. Washington Univ. Res. Lab. Rep.* 18:32-40. December, 1957.
47. **Goldschmidt, M. C.**, and Powelson, D. M. Effect of the culture medium on the oxidation of acetate by *Micrococcus pyogenes* var *aureus*. *Arch. Biochem. Biophys.* 46:154-163. September, 1953.
48. **Goldschmidt, M. C.**, and Koffler, H. Effect of surface-active agents on penicillin yields. *Ind. Eng. Chem.* 42:1819-1823. September, 1950.
40. Koffler, H. and **Goldschmidt, M. C.** The effect of certain antifoam agents on penicillin yields obtained during the submerged growth of *Penicillium chrysogenum* G-176. *Amer. J. Bot.* 36:811-813. April, 1949.

**Invited articles ( including reviews, editorials, etc.) in journals.**

1. **Goldschmidt, M. E.** The Use of Biosensor and Microarray Techniques in the Rapid Detection and Identification of Salmonellae; *Journal of AOAC International* 89, (2), 530-537, 2006
2. **Goldschmidt, M. C.** Biosensor Technology. *Proceedings: Section S-1 (1-10) 15th Congresso Pan Americano de Ciencias Veterinarias.* 1997.

3. **Goldschmidt, M. C.** The role of biosensors in on-line and flow injection analysis. Pp 21-23 in: Vermont, G. and P. Feng: Workshop on enhancing food safety through the use of sensors p 21-23. NSF White paper. 1997.
4. **Goldschmidt, M. C.** Biosensors: An allegory for our time. ASM News. 61:177-180. April, 1995.
5. **Goldschmidt, M. C.** Oral lesions predictive of infection with the human immunodeficiency virus. 17th World Congress of Anatomic and Clinical Pathology. Invited. Acapulco, Mexico. October, 1993.
6. **Goldschmidt, M. C.** Biosensors blessing or bottleneck? 7th International Congress on Rapid Methods and Automation in Microbiology and Immunology, London, England. September, 1993.
7. **Goldschmidt, M. C.** Biosensors: Blessing or bane? J.Rapid Method. Autom. Microbiol. 2:9-15. September, 1993.
8. **Goldschmidt, M. C.** Reduced bactericidal activity in neutrophils from scorbutic animals and the effect of ascorbic acid on these target bacteria *in vivo* and *in vitro*. Invited. Am. J. Clin. Nutrit. 54:1214S-1220S. December, 1991.
9. **Goldschmidt, M. C.** Reduced bactericidal activity in neutrophils from scorbutic animals and the effect of ascorbate on these target bacteria *in vivo* and *in vitro*. Invited. Nutr. Cancer. 15:261-262. June, 1991.
10. **Goldschmidt, M. C.** Reduced bactericidal activity in neutrophils from scorbutic animals and the effect of ascorbate on those target bacteria *in vivo* and *in vitro*. Ascorbic acid: biological functions and relation to cancer. National Cancer Institute. Invited symposium speaker. P- 49. 1990.
11. **Goldschmidt, M. C.** and Levy, B.M. Rapid detection of treponemes by coagglutination/ELISA techniques. Abstract, Fifth International Symposium on Rapid Methods and Automation in Microbiology and Immunology. Florence, Italy. Invited. pp. 204. November, 1987.
12. **Goldschmidt, M. C.** The use of coagglutination techniques in rapid detection of microorganisms. Abstract, Meeting, Medical Microbiology Towards 2000, South China-U.S.A. Invited. Perspectives. Guangzhou, P.R.C. pg 1. June, 1987.
13. **Goldschmidt, M. C.**, and O'Neill, P. A. Rapid detection of microorganisms by coagglutination/immunodotting-ELISA techniques. Abstract, Meeting, Medical Microbiology Towards 2000, Southeast Asia-U.S.A. Perspectives. Hong Kong. Invited. pp. 4. June, 1987.
14. **Goldschmidt, M.C.** Coagglutination and affinity chromatography in microbial antigen detection (Invited paper), Fourth International Symposium on Rapid

- Methods and Automation in Microbiology and Immunology, Berlin. Invited. S15. June, 1984.
15. **Goldschmidt, M. C.** A rapid fluorescent coagglutination technique to detect *Actinomyces*. Invited Paper. Third International Symposium on Rapid Methods and Automation in Microbiology. Washington, D.C. May, 1981.
  16. **Goldschmidt, M. C.** The value of microbiology in elementary and secondary education. Invited Paper. ASM: Ele. Sec. 1:1-4. January, 1981.
  17. **Goldschmidt, M. C.**, and Fung. D.Y.C. New methods for automated microbiology analysis, institute of food technology overview series 1979. Invited Paper. Food Technol. 33:63-70. March, 1979.
  18. **Goldschmidt, M. C.**, and Whitt. D. L. Careers in microbiology: Horizons unlimited. Amer. Biol. Teach. 40:205-211. April, 1978. Invited article in their Careers Issue, Part Two. April, 1978.
  19. **Goldschmidt, M. C.**, and Wheeler, T. G. Determination of bacterial cell concentrations in urine specimens by electrical measurements. (A Review of the State of the Art) In: Microbiology 1975, D. Schlessinger, Ed. American Society for Microbiology, Washington, D.C. Invited. pp 6-11. 1975.
  20. **Goldschmidt, M. C.** Instrumentation for microbiology: Horizons unlimited. Invited Paper, J. Assoc. Adv. Med. Instrument. 5:63-72. March/April, 1971.
  21. **Goldschmidt, M. C.**, Lockhart, B, and Perry, K. Rapid biochemical methods to determine ornithine, arginine and lysine decarboxylase activity. (Invited Paper) Amer. Pub. Hlth. Assoc. Ann. Meet., p 248. October, 1970.

### Book Chapters

1. **Goldschmidt, M. C.** Chapter 41 Biosensors: Scope in Microbiological Analysis In: Encyclopedia of Food Microbiology, Elsevier Pub. Volume 2 In press 2014 Invited Contribution.
2. **Goldschmidt, M. C.** Meetings Manual pp 1-4 American Society for Microbiology. 1983, 2002, 2006 - 2008 (updated 2011)
3. **Goldschmidt, M. C.** Biosensors: Scope in Microbiological Analysis In: Encyclopedia of Food Microbiology. Volume 1 Robinson, R., Batt, C., and Patel, P. Invited Contribution. Academic Press. Ltd. pp 268-278. 1999.
4. **Goldschmidt, M. C.** Biosensors: Blessing or bottleneck? In Rapid Methods and Automation in Microbiology and Immunology. Spencer, R.C., Wright, E.P., and Newsome, S.W.B., Chapter 35. pp 319-326. Intercept Ltd. Publisher. Andover, England. Invited Contribution. January, 1994.

5. Hartman, P.A., Swaminathan, B., Curiale, M.S., Eden, R., Sharpe, A.N., Cox, N.A., **Goldschmidt, M. C.**, and Fung, D.Y.C. Rapid methods and automation. Invited Chapter 10. In: Compendium of Methods for the Microbiological Examination of Foods, 3rd Edition, Vanderzant, C. and Splitstoesser, D., Eds., American Public Health Association 1992, Washington, D.C. My chapter is on Automated Instrumentation on pp 725-746. June, 1992. Invited Contribution.
6. **Goldschmidt, M. C.** Rapid methods for pathogen detection: An overview. In: rapid methods and automation in microbiology and immunology. Vaheri, A., Tilton, R.C., and Balows, A., Eds. Invited Contribution. Springer Verlag Pub., Heidelberg, Germany. pp 512-519. 1991.
7. Fung, D. Y. C., Cox, N. A., **Goldschmidt, M. C.**, and Bailey, J. S. Rapid methods and automation. Chapter 6. In: Food Safety. An International Concern. Editors D.Y.C. Fung and Y.W. Ang. Invited Contribution. Science and Technology Monograph Series. No. 1, pp 25-28. 1989.
8. **Goldschmidt, M. C.** Coagglutination procedures and affinity chromatography in antigen and antibody detection. In: Rapid Methods and Automation in Microbiology and Immunology, Habermehl, K. - O. Ed. Invited Contribution. Springer Verlag Pub., Heidelberg, Germany. pp 338-351. June, 1985.
9. **Goldschmidt, M. C.** The use of coagglutination techniques in the rapid identification of microorganisms. In: Rapid Methods and Automation in Microbiology, R.C. Tilton, Ed. American Society for Microbiology, Pub. Washington, D.C. Invited. pp 202-206. February, 1982.
10. **Goldschmidt, M. C.**, and Whitt, D.L., Eds. Microbiology in your future. 4th ed. Invited. Amer. Soc. Microbiol, Pub. Washington, D.C. 34 pp December, 1981.
11. **Goldschmidt, M. C.** Instrumentation, automation and miniaturization. Invited Chapter 74. In: Gradwohl's Clinical Laboratory Methods and Diagnosis, 8th ed., Sonnenwirth, A.C. and Jarett, L., Eds. C.V. Mosby Co. St. Louis, MO. 1495-1553. 1980.
12. **Goldschmidt, M. C.** Current developments in instrumentation for microbiological analysis. In: Highlights in Microbiology, 1977-1978. Vesely, D. and Moon, R., Eds. Invited Paper. Amer. Soc. for Microbiol. Washington, D.C. pp 30-32. May, 1979.
13. **Goldschmidt, M. C.**, and Whitt. D. L., Eds. Microbiology in your future, 3rd ed., Amer. Soc. Microbiol., Publishers, Washington, D.C. Invited to revise and update this publication. 34 pp December, 1977.
14. **Goldschmidt, M. C.**, and Wheeler, T. G. Determination of bacterial cell concentrations in urine specimens by electrical measurements. A review of the state of the art. In: Microbiology 1975, D. Schlessinger, Ed. American Society for Microbiology. Invited. Washington, D.C. pp 6-11. 1975.

15. **Goldschmidt, M.C.** Instrumentation in microbiology (Chapter 24) In: Rapid Diagnostic Methods in Medical Microbiology, C. Graber, Ed. Williams and Wilkins. Invited. Baltimore, Maryland. pp. 317-337. August, 1970.
16. Campbell, B. O., **Goldschmidt, M. C.**, Lipscomb, H. S., Knight, J. V., and Melnick, J. L. Comprehensive biological protocol for the lunar sample receiving laboratory. NASA Document Accession No. N68-31008. United States Government Printing Office, Superintendent of Documents. Invited. Washington, D.C. 20402. pp. 1-572. June, 1967.

### **Other Professional Communications**

1. Invited Speaker: Rapid Diagnostic and Nanotechnology for Food Pathogens: FSAAS, Dr. Frasc, Paris, France. November, 2011
2. Invited ASM Lecturer and keynote speaker, "The Mighty Microbe, the Ultimate Predator" Eastern NY ASM Branch, Albany, NY May 9-11, 2011
3. Invited ASM keynote speaker: "Oral Microbiology: From Toothache to Heartache" ,South Carolina ASM Branch Meeting, Clemson, SC, March 31-April 3, 2011.
4. Invited speaker, "The Evolution of Biosensors", Thirtieth University of Wisconsin - River Falls Food Microbiology Symposium and Workshop, River Falls, WI., October 17-20, 2010.
5. Invited convenor and speaker, "The Oral Biome During the Life of Eve: Tissues and Microbiota at the Mercy of Her Hormone Flux: Is that XX (chromosome) a Double Cross?" ASM Symposium, ASM Annual Meeting, San Diego, CA, May 2010.
6. Invited keynote speaker as ASM Lecturer, "Oral Microbiology from Toothache to Heartache", Department at W. Michigan University and Michigan Branch ASM Spring Meeting April 9-10, 2010
7. Invited visiting professor and lecturer, 30th International Workshop on Rapid Methods and Automation Microbiology, Lectures on Instrumentation, Biosensors and Immunology, Kansas State University, Manhattan, KS, June 2010. Last Workshop of the thirty years.
8. Invited keynote speaker as ASM Lecturer, "The Mighty Microbe, The Ultimate Predator", Kentucky-Tennessee Branch ASM Fall Meeting, October 16-17, 2009.
9. Invited convenor and speaker, Session on Virology "Viral Evolution", Texas ASM Branch Meeting, Tyler, TX, Nov. 5-7, 2009.

10. Invited visiting professor and lecturer, 29th International Workshop on Rapid Methods and Automation Microbiology, Lectures on Instrumentation, Biosensors and Immunology, Kansas State University, Manhattan, KS, June 2009.
11. Invited speaker, “Chewable Toothpaste Tablets”, Texas Branch ASM Meeting, Spring, March 5-7, 2009
12. Invited lecturer, “BioSensors”. Department of Biological Sciences and School of Sciences, Purdue University, W. Lafayette, Indiana November 17-18, 2008
13. Invited visiting professor and lecturer, 28th International Workshop on Rapid Methods and Automation Microbiology, Lectures on Instrumentation, Biosensors and Immunology, Kansas State University, Manhattan, KS, June 2008.
14. Invited lecturer, “The Mighty Microbe, the Ultimate Predator”. H. J. Cottle Memorial Lecture Series, Sul Ross University Alpine, TX, April 21-22, 2008
15. Spring Meeting, Texas Branch, ASM New Braunfels, TX, March 13-15, 2008
16. Invited Speaker, “ Microbial Evolution” Biology Department, Montana Tech University, Butte, Montana, August, 3, 2007
17. Invited visiting professor and lecturer. 27th International Workshop on Rapid Methods and Automation in Microbiology, Two lectures on Immunology, Instrumentation and Biosensors (also part of graduate course) and assisted in the laboratory, Kansas State University, Manhattan Kansas, June 2007
18. Invited Speaker: “Careers in Microbiology”, Purdue University WISP function (Women in Science Program), October 2006
19. Invited Speaker: “ Changing Landscape of Women in Academia”, Purdue University Department of Biological Sciences, W. Lafayette, IN, October 2006
20. Invited Speaker, (Panel) Women and Minorities: Climbing the Ladder of Science Success, Science Café and Sigma Xi, Houston, TX, October 2006
21. Invited visiting professor and lecturer. 26th International Workshop on Rapid Methods and Automation in Microbiology, Three lectures on Immunology, Instrumentation and Biosensors (also part of graduate course) and assisted in the laboratory, Kansas State University, Manhattan Kansas, June 2006
22. Invited Speaker, “Microbial Evolution of Pathogenesis”, Victoria College Biology Department, Victoria, TX, November 2005

23. Invited speaker, “The Detection and Characterization of Salmonellae by Biosensors, Microarrays and Nanotechnology” 25th Food Microbiology Symposium and Rapid Methods Workshop Animal and Food Science Department University of Wisconsin, River Falls and the Cooperative Extension Service, University of Wisconsin, October 2005.
24. Invited visiting professor and lecturer. 25th International Workshop on Rapid Methods and Automation in Microbiology, Three lectures on Immunology, Instrumentation and Biosensors (also part of graduate course) and assisted in the laboratory, Kansas State University, Manhattan Kansas, June 2005
25. Invited speaker “The Mighty Microbe, The Ultimate Predator” Lowenhoek Society, Department of Natural Sciences, U. Houston – Downtown, February 2005
26. Invited visiting professor and lecturer. 24th International Workshop on Rapid Methods and Automation in Microbiology, Three lectures on Immunology, Instrumentation and Biosensors (also part of graduate course) and assisted in the laboratory, Kansas State University, Manhattan Kansas, June 2004
27. Poster presentation: C. Lin, L. E. Wyborny, M. Goldschmidt, and T. J. Chan, Effects of Two Fluorides on in vitro Growth of Candida species, 6th Meeting International Congress on Maxillofacial Rehabilitation, Maastricht, Netherlands, June 2004
28. Poster presentation Effects of Fluoride on in vitro Growth of Candida species C. Lin, L. Wyborny, M. Goldschmidt, J. Chan. Amer. Prosthodontic Society. 3rd Place Award Table Clinic, Chicago, IL February 2004
29. Invited visiting professor and lecturer. 23rd International Workshop on Rapid Methods and Automation in Microbiology, Three lectures on Immunology,
30. Instrumentation and Biosensors (also part of graduate course) and assisted in the laboratory, Kansas State University, Manhattan Kansas, June 2003
31. Poster presentation together with Dr. D. Homrossukhon, Photodynamic effects of chlorophylls and cure-light on oral pathogen survival. International Association for Dental Research (IADR) Meeting, Goteborg, Sweden June 2003
32. Invited speaker, “Careers in Microbiology”. Texas Branch, American Society for Microbiology Spring Meeting. Junction TX, March 2003
33. Invited speaker, “The Mighty Microbe, The Ultimate Predator?”, Department of Microbiology and Molecular Genetics, Oklahoma State University,

Stillwater, OK, April 2003

34. Poster presentation together with student, J. Thompson, "The effects of Toothpastes on the Residual Contamination of Toothbrushes/IADR meeting, San Antonio, TX March 2003
35. Poster presentation together with Dr. D. Homrossukhon, "Alcian Blue and Chlorophylls: Photodynamic effect on Microorganisms Using Curelight. AADR/IADR San Diego, CA March 2002
36. Invited visiting professor and lecturer. 22nd International Workshop on Rapid Methods and Automation in Microbiology, Three lectures on Immunology, Instrumentation and Biosensors (also part of graduate course) and assisted in the laboratory, Kansas State University, Manhattan Kansas, July 2002
37. Invited visiting professor and lecturer. 21st International Workshop on Rapid Methods and Automation in Microbiology, Three lectures on Immunology, Instrumentation and Biosensors (also part of graduate course) and assisted in the laboratory, Kansas State University, Manhattan Kansas, July 2001
38. Poster presentation together with K. Hashmani. Microbial Evaluation of Three Dental Flosses for Cleaning Ability. J. Dent Res 80:65#1033 Chicago AADR/IADR Chicago March 2001
39. Poster presentation together with N. Phillips. Alcian blue: Photodynamic Effects of Microorganisms using different light sources. J. Dent. Res 80:217#1541 Chicago, 2001
40. Invited symposium speaker, "Biosensor update". A symposium on Current Concepts in Food Borne Pathogens. U. of Wisconsin, River Falls Campus, October 2001.
41. Invited speaker. "The Mighty Microbe" (Microbial Evolution) Department of Biology, Hanover College, Hanover, Indiana, April 2001
42. Invited visiting professor and lecturer. 20th International Workshop on Rapid Methods and Automation in Microbiology, Three lectures on Immunology, Instrumentation and Biosensors (also part of graduate course) and assisted in the laboratory, Kansas State University, Manhattan Kansas, July 2000
43. Goldschmidt, MC, invited speaker, "Use of Biosensors in Microbial Detection" Small molecule Therapeutics, Co. Princeton, NJ 2000
44. Goldschmidt, MC, invited speaker "Oral Microorganisms" Dental Branch

Summer Enrichment Program. 2000

45. Invited keynote speaker, N. California Branch, ASM. "Biosensor Technology", Monterey, CA, December 1999.
46. Goldschmidt, MC, Chair (and organizer) symposium on "Teaching Microbiology" at Texas Branch American Society for Microbiology Fall meeting, Fort Worth TX. Spoke on "The Virtual University". November 1999
47. Invited visiting professor and lecturer. 19th International Workshop on Rapid Methods and Automation in Microbiology, Three lectures on Immunology, Instrumentation and Biosensors (also part of graduate course) and assisted in the laboratory, Kansas State University, Manhattan Kansas, July 1999
48. Invited Speaker and Visiting Scientist. The mighty microbe: The ultimate predator; Careers in Microbiology. On behalf of the American Society for Microbiology Minority Student Science Careers Support Program. SUNY, Westbury, New York, November, 1998.
49. Invited visiting professor and lecturer. 17th International Workshop on Rapid Methods and Automation in Microbiology, Three lectures on Immunology, Instrumentation and Biosensors (also part of graduate course) and assisted in the laboratory, Kansas State University, Manhattan Kansas, July 1998
50. Invited speaker. Physiological characterization of obligate anaerobes. In: Workshop: Oral anaerobes collection, culturing, identification. International Association for Dental Research Meeting, Nice France, June, 1998.
51. Invited speaker. Specimen collection, transport and processing (of anaerobes) workshop #1 American Association for Dental Research, Minneapolis, MN, March, 1998.
52. Invited Speaker. Goldschmidt, M.C. The evolution of the mighty microbe: The ultimate predator. Medical School, Anahuac University, Mexico City, Mexico, February, 1998.
53. Invited speaker. Goldschmidt, M.C. The role of biosensors in on-line and flow-injection analysis. In: Workshop on enhancing food safety through the use of sensors. (Sponsored by the FDA, NSF and USDA) Washington, D.C. September, 1997.
54. Invited panelists (one of three). Goldschmidt, M.C. Limitations in the implementation of sensor technology, Round table discussion at workshop on enhancing food safety through the use of sensors (Sponsored by the FDA, NSF and USDA) Washington, D.C. September, 1997

55. Invited speaker. Goldschmidt, M.C. "The use of biosensors in microbiology" Department of Biological Science, Purdue University, Lafayette, Indiana, October, 1997.
56. Invited speaker. Goldschmidt, M.C. "Mentoring: The Modern Odyssey". Women in Science Programs, Purdue University, Lafayette, Indiana, October, 1997.
57. Invited speaker. Goldschmidt, M.C. "Biosensor technology and its uses". Biology Club, Purdue University, Purdue University, Lafayette, Indiana, October, 1997.
58. Invited speaker. Goldschmidt, M.C. "The use of immunoassays in rapid detection of microorganisms". 17th International Workshop on Rapid Methods and Automation in Microbiology. Kansas State University Manhattan, KS, July, 1997.
59. Invited speaker. Goldschmidt, M.C. Mechanization and physical detection of microorganisms. 17th International Workshop on Rapid Methods and Automation in Microbiology. Kansas State University Manhattan, KS, July, 1997.
60. Invited speaker. Goldschmidt, M.C. Instrumentation and biochemical detection of microorganisms. 17th International Workshop on Rapid Methods and Automation in Microbiology. Kansas State University Manhattan, KS, July, 1997.
61. Invited speaker. Biosensor technology in rapid detection of microbiology. Microbiology Research Course, Biology Dept. Prairie View University (A&M). Prairie View, TX. November, 1996.
62. Invited speaker. Symposium S1. Saude Publicae Protecao Sanitaria dos Alimentos. The multiple use of biosensor technology. 15th Congresso Pan Americano de Ciencias Veterinarias Campo Grande, MS Brazil. October 21-25, 1996.
63. Invited speaker. "Rapid methods using biosensors" Department of Microbiology. Medical School, University of Chile. Santiago, Chile. October, 1996.
64. Invited speaker. "Biosensor technology". Post Graduate Course in Nutrition University Federalde, School of Paulista Medicine. Sao Paulo, Brazil. October, 1996.
65. Invited speaker. "Update on instrumentation for rapid detection of microorganisms". Department of Microbiology. University of Sao Paulo, Sao Paulo, Brazil. October, 1996.

66. Invited co-convenor and speaker. "Rapid automated methods to detect and characterize microorganisms". Wiley Symposium, International Meeting of the Association of Official Agricultural Chemists (AOAC). Nashville, TN. September 18, 1995.
67. Continuing education presenter: "Principles of sensor operation and design". Institute of Food Technologists. Los Angeles, CA. June 3, 1995.
68. Invited visiting professor. University of Puerto Rico, Mayaguez Campus, a minority institution, on behalf of the American Society for Microbiology Minority Student Careers Support Program. Presented 3 lectures on "Biosensors", "Careers in microbiology", and "The role of microorganisms in health and disease". Mayaguez, Puerto Rico. April, 1995.
69. Invited symposium speaker. "Biosensors". A Symposium on Current Concepts in Food Borne Pathogens. University of Wisconsin River Falls Campus. Fall October 12-14, 1994.
70. Invited convener and speaker. "The use of biosensors in the rapid identification and detection of microorganisms and their immune reactions". American Society for Microbiology General Meeting. May 23-27, 1994.
71. Invited speaker. "Oral lesions predictive of infection with the human immunodeficiency virus". 17th World Congress of Anatomic and Clinical Pathology held in Acapulco, Mexico. October 6-9, 1993.
72. Invited visiting professor, Lehman College, CCNY, a minority institution, on behalf of the American Society for Microbiology Minority Student Careers Support Program. Presented lecture. "The evolutionary significance of microorganisms". Held discussions with students on research methodology and problems. New York City. October, 1993.
73. Invited speaker. "Biosensors: Blessing or bottleneck?" 7th International Congress on Rapid Methods and Automation in Microbiology and Immunology held in London, England. September 12-15, 1993.
74. Invited lecturer. "The use of biosensors in the rapid identification of microorganisms". Laboratoire Central d'Hygiène Alimentaire C.N.E.V.A. Paris, France. September, 1993.
75. Invited symposium speaker. "Biosensors: Blessing or Bane". Symposium on Current Concepts in Food borne Pathogens and Rapid and Automated Methods in food microbiology. University of Wisconsin River Falls Campus. October 22-23, 1992.
76. Invited lecturer. "Oral pathogens in patients with AIDS". Faculty of Medicine, University of Chile, Santiago, Chile. September, 1992.

77. Invited lecturer. "Immunologic detection methods for infectious agents". Faculty of Medicine, University of Chile. Santiago, Chile. September, 1992.
78. Invited speaker. "Biosensors: Future methodology". Houston Association of Medical Microbiologists. Houston, TX. August, 1992.
79. Invited speaker. "Oral manifestations in AIDS patients". Co-convenor of a session in Medical Microbiology at an International Conference on Microbiology. Monterrey, Mexico. June 25-27. 1992.
80. Invited speaker. "Oral manifestations diagnostic of AIDS". Dental School. Universidad Autonoma de Neuvo Leone, Monterrey, Mexico. June 25, 1992.
81. Invited visiting professor, Northern Arizona University, a Minority Institution on behalf of The American Society for Microbiology Minority Student Science Careers Support Program. Presented a lecture on rapid methods of detecting microorganisms and held discussions with students on research methodology for their oral research projects. April, 1992.
82. Invited keynote speaker. Arizona Branch, American Society for Microbiology: "Oral microbiology: From toothache to heartache". Flagstaff, AZ. April, 1992.
83. Invited speaker. "Careers in microbiology". Student Science Day, Annual Meeting. American Society for Microbiology. Dallas, TX. May 8, 1991.
84. Welcoming Address. Microbiology in Texas. Opening Session of Annual Meeting, American Society for Microbiology (ASM); (as President of the Texas Branch ASM host organization for the meeting). Dallas, TX. March, 1991.
85. Invited symposium speaker. "The role of ascorbic acid in neutrophil health and bactericidal activity". A Symposium, Ascorbic acid: Biological functions and relation to cancer. Sponsored by the National Cancer Institute, National Institutes of Health, Bethesda, MD. September 10-12, 1990.
86. Invited symposium convener and speaker. "Medically oriented rapid methods". A two day Symposium on Rapid Methods at Kansas State University, Manhattan, KS. July 5-6, 1990.
87. Invited speaker. "Rapid determination of oral microorganisms". Department of Stomatology, University of Iceland. Reykjavik, Iceland. June 14, 1990.
88. Invited speaker. (Presented two lectures) "Automated and non-automated detection of microbial pathogens I and II". Symposium on Rapid Methods and Automation in Microbiology sponsored by The University of Iceland and The Microbiological Society of Iceland held in Reykjavik, Iceland. June

12-13, 1990.

89. Invited speaker. "Rapid methods for pathogen detection: An overview". The 6th International Congress on Rapid Methods and Automation in Microbiology and Immunology held in Helsinki, Finland. June 7-10, 1990.
90. Invited co-convenor and speaker. "Instrumentation for immunology". A Seminar, Current topics in diagnostic immunology and microbiology sponsored by the Immunology and Diagnostic Immunology Divisions of The American Society for Microbiology and held at their Annual Meeting. May, 1990.
91. Invited Workshop Director. "Rapid immunologic detection kits". Gave lectures and directed a wet laboratory at the Association of Medical Laboratory Immunologist's Meeting in Washington, D.C. 1990.
92. Continuing education presenter. "Quality assurance" at Texas Branch. ASM Meeting in Austin, TX. 1990.
93. Invited speaker. "Overview of instrumental, miniaturized and automated techniques in food microbiology". A Conference on Food Microbiology for the 90's. Arlington, VA. May 4-5, 1989.
94. Invited visiting professor, for two weeks, Faculty of Medicine, Universidad Catholica de Chile, Manilla, Phillipines. Talked on rapid immunologic detection of microorganisms and infection control for health care professionals who might become exposed to A.I.D.S. January/February, 1989.
95. Invited speaker." Medidas preventivas en odontologia". The International Symposium on AIDS sponsored by The Infectious Disease Society of Mexico, The Medical School of The University of Neuvo Leon and The NOVA Clinic held in Monterrey, Mexico. September 9-10. 1988.
96. Invited keynote speaker. "The mighty microbe, the ultimate predator". The American Society for Microbiology Foundation Lecture at The Spring Meeting of The Connecticut Valley Branch, held at The University of Massachusetts in Amherst. April 8, 1988.
97. Invited speaker. "Vitamin C and host defense mechanisms". Graduate students and faculty of The Department of Biology, Stephen F. Austin State University in Nacogdoches, TX. March 31, 1988.
98. Continuing education presenter. American Society for Microbiology (ASM) ICAAC, gave two lectures on rapid identification methods. Meeting 1988.
99. Presented talk. "New developments in microbiology". Middle School and High School Science Teachers at The Regional Conference of the National

Science Teacher's Association and the Science Teachers Association of Texas. San Antonio, TX. November, 1987.

100. Invited presenter. The American Society for Microbiology Foundation Lecture at a meeting co-sponsored by The Northern California Branch of the American Society for Microbiology and the California Association of Public Health Microbiologists. "The role of vitamin C in host defense mechanisms". Monterrey, CA. November, 1987.
101. Invited visiting professor, Department des Cotes-du Nord, Station Experimentale D' Aviculture. Formal and Informal Discussions on Rapid Detection of Pathogens by ELISA Techniques. Ploufragan, France. October, 1987.
102. Invited speaker. "The use of Staphylococcal Protein A as an immuno-enhancing agent". Department of Microbiology, The University of Kansas. Lawrence, KS. July, 1987.
103. Invited speaker. "The use of coagglutination techniques in rapid detection of microorganisms". Medical Microbiology Towards 2000, South China-U.S.A. Perspectives. Guangzhou, P.R.C. June, 1987.
104. Invited speaker. "Rapid detection of microorganisms by coagglutination/immunodotting-ELISA techniques". Medical Microbiology Towards 2000, Southeast Asia-U.S.A. Perspectives. Hong Kong. June, 1987.
105. Invited speaker. "Human ingenuity: Turning a microbial defense mechanism (Staphylococcal Protein A) into multifaceted rapid identification techniques". The College of Science, University of Santo Tomas. Manila, Philippines. June, 1987.
106. Invited speaker. "Human ingenuity: Turning a microbial defense mechanism (Staphylococcal Protein A) into multifaceted rapid identification chemotherapeutic techniques". The Spring Scientific Meeting of the Philippine Society of Microbiology and Infectious Diseases. Quezon City, Philippines. June, 1987.
107. Invited speaker. "Transforming a bacterial defense system into an important immunological reagent". Natural Sciences Colloquium, The University of Houston Downtown Campus Department of Natural Sciences. Houston, TX. March, 1987.
108. Invited visiting professor. Pembroke University, Pembroke, North Carolina, a Minority Institution, on behalf of The American Society for Microbiology Minority Student Science Careers Support Program. Presented three formal talks and met with students and faculty. 1987.

109. Invited speaker. "Ascorbic acid, oral organisms and host defense mechanisms". Fall Seminar Series. Microbiology Department, Michigan State University. East Lansing, MI. October, 1986.
110. Invited Speaker. "New instrumentation for the rapid detection and identification of medically important microorganisms". Houston Association of Medical Microbiologists. Houston, TX. April, 1986.
111. Invited speaker. "The mighty microbe. The ultimate predator?" Spring Seminar Series. Department of Biology, Stephen F. Austin State University. Nacogdoches, TX. February, 1986.
112. Invited speaker. "The role of vitamin C in host defense mechanisms". Natural Sciences Colloquium, The University of Houston Downtown Campus, Department of Natural Sciences, Houston, TX. February, 1986.
113. Invited co-convenor. "Microbiology and the Media". A Round Table held at The Annual Meeting of The American Society for Microbiology. Las Vegas, NV. March, 1985.
114. Invited speaker. "Relationship between bacterial calcification and aging". Annual Meeting, International Association for Dental Research. Las Vegas, NV. March, 1985.
115. Invited speaker. "The Role of coagglutination in rapid detection of infections". Symposium on Rapid Methods of Laboratory Diagnosis. The Texas Branch, American Society for Microbiology Fall Meeting. Galveston, TX. September, 1984.
116. Invited speaker. "Protein A in coagglutination and affinity chromatography". Seminar on Antigen Detection, Fourth International Symposium on Rapid Methods and Automation in Microbiology and Immunology and co-convenor of the Workshop on Antigen Detection I, Berlin, West Germany. June, 1984.
117. Invited speaker and invited co-convenor. "The role of the American Society for Microbiology and The American Academy of Microbiology in the microbiological needs of developing countries". Annual Meeting, American Society for Microbiology. St. Louis, MO. March, 1984.
118. Invited lecturer. "The relationship of vitamin C to bacteria, white cell function, and iron metabolism". The Microbiology Seminar Speaker for the spring of 1984 at the Department of Microbiology and Immunology, Texas College of Osteopathic Medicine. Fort Worth, TX. March, 1984.
119. Continuing education presenter. "The use of protein A in the rapid detection of food pathogens", (invited participant) at the 10th Annual Spring Training Workshop of the Association of Official Analytical Chemists. 1984.

120. Invited lecturer. "The effect of ascorbic acid on Actinomyces species and other bacteria in vitro and in vivo". The Department of Microbiology, Medical School, University of Missouri-Columbia Columbia, MI. July, 1983.
121. "The role of ascorbic acid in oral health and disease" -and (see 122 below)
122. Invited participant. "Rapid methods of analysis using coagglutination techniques". In a Delegation of Microbiologists to The Peoples' Republic of China on an International Technical Exchange Program. One or both lectures presented in several cities during this visit. March 4, 1983.
123. Invited speaker. "The microbiology of Dental Caries". Hamot Medical Center. Erie, PA. August, 1982.
124. Invited visiting professor and lecturer. "The use of coagglutination techniques in the rapid detection of microorganisms". Hebrew University Medical School. Jerusalem, Israel. June, 1982.
125. Invited speaker. "Use of coagglutination procedures in the identification of orally important fungi". A Symposium: Immune Response in Fungal Diseases. Texas Southern University. Houston, TX. May, 1982.
126. Spring seminar speaker. "The mighty microbe: The ultimate predator". Pre-professional Club. University of Houston, Downtown Campus. Houston, TX. April, 1982.
127. Invited speaker. "Microbiology in your future". Student Day Program Annual Meeting, American Society for Microbiology. Atlanta, GA. March, 1982.
128. Invited convener. "Manpower needs in basic and applied microbiology until 2001". Seminar, Annual Meeting American Society for Microbiology. Atlanta, GA. March, 1982.
129. Invited participant. "Use of coagglutination techniques in the rapid identification of microorganisms". Third International Symposium on Rapid Methods and Automation in Microbiology. Washington, D.C. May, 1981.
130. Invited convener. Opening Remarks. Seminar. "Perspectives for automated and semi-automated instrumentation". Annual Meeting. American Society for Microbiology. Dallas, TX. March, 1981.
131. Invited speaker. "Microbiology in your future". Student Day Program, Annual Meeting, American Society for Microbiology; Dallas, TX. March, 1981.
132. Participated in teaching week-long, wet workshops. In rapid methods and automation in microbiology at Kansas State University (Manhattan, K). Responsible for immunology and instrumentation lectures and helped teach

laboratories. Helped write laboratory manuals and class syllabus. This course is accredited for American Society for Microbiology Continuing Education credits and 2 hours of graduate credit at Kansas State University. 1981-present.

133. Invited convener. "Opening Remarks. Seminar on Good laboratory practices". Annual Meeting, American Society for Microbiology. Los Angeles, CA. May, 1979.
134. Invited speaker. "New methods for automated microbiological analysis". Microbiology Division Program Symposium. Annual Meeting, Institute of Food Technology. Dallas, TX. June, 1978.
135. Invited speaker. "Defense mechanisms of microorganisms". Student Seminar Series. Texas Tech University. Lubbock, TX. November, 1977.
136. Invited speaker. "The role of heat stable *Escherichia coli* enterotoxin in stimulating motility in the rabbit intestine". Annual Meeting, American Society for Microbiology. Atlantic City, NJ. May, 1976.
137. Invited speaker. "Determination of bacterial cell concentrations in urine specimens by electrical measurements". Conference on Rapid Diagnostic Techniques in Clinical Microbiology. American Society for Microbiology. Tucson, AZ. December, 1974.
138. Invited speaker. "The effect of steriquat, a new quaternary ammonium compound, on various bacterial pathogens". Texas Medical Association Annual Forum of Original Research. San Antonio, TX. May, 1972.
139. Invited speaker. "Biochemical and biophysical parameters used in rapid detection and characterization of microorganisms". Symposium on Rapid Methods for Detection and Characterization of Microorganisms. Annual Meeting, American Society for Microbiology. Minneapolis, MN. May, 1971.
140. Invited paper. "Rapid biochemical methods to determine ornithine, arginine, and lysine decarboxylase activity". American Public Health Association Annual Meeting. Houston, TX. October, 1970.
141. Invited speaker. "Instrumentation for microbiology: Horizons unlimited". Symposium on Rapid Diagnostic Methods in Microbiology. Annual Meeting, American Society for Microbiology Boston, MA. May, 1970.
142. Invited convener and speaker. "Role of chelating agents in microbial lysis". Round Table on Agents Acting on the Bacterial Permeability Barrier Annual Meeting. American Society for Microbiology. Detroit, MI. May, 1968.
143. Invited speaker. "Inhibition of biosynthesis of prodigiosin". Round Table on Prodigiosin Annual Meeting, the American Society for Microbiology. New York, NY. May, 1967.

## Millicent Goldschmidt – Curriculum Vitae

Two Invited lectures on “Careers in Microbiology” and “Oral Microbiology” in 2015 at Midland College, Midland, TX , and at Sam Houston State University, Huntsville, Tone presentation on “The relationships between Microorganisms and Plants” Braeswood Garden Club, Houston, Texas March, 2016.